

**CHAPTER IV**  
**PLANT PATHOLOGY**

## PLANT PATHOLOGY

In the Kharif/summer season of 2024, a total of nine trials were carried out, focusing on different facets of pathology. The trials took place in Mandor, Jaipur, and Hisar within Zone A1, as well as in Mandor, Jaipur, Hisar, Gwalior, and Jamnagar in Zone A, and in Mysore, Aurangabad, Dhule, Coimbatore, and Patancheru in Zone B. A comprehensive screening was conducted on 200 entries for their resistance to downy mildew, smut, rust, blast, and ergot diseases. Furthermore, all the centres conducted farmer field surveys across various states to assess the overall disease situation throughout the crop season. The research was conducted by focusing on examining the diversity of downy mildew and blast pathogens, along with the epidemiological aspects related to the progression of blast disease. The outcome of the trial will be discussed in the following paragraphs.

**Pearl Millet Plant Pathology Trial (PMPT-I):** Downy mildew pressure at 30 DAS was higher in Zone B than in Zones A1 and A, according to test entries. In A1 and A Zones, the mean disease infestation at 30 DAS across locations and entries was 1.1%, 0.8%, and 1.4% in Zone B. The range of downy mildew in both A1 and A Zones was 0.0–4.6% and 0.0–3.1%, and in Zone B it was 0.0–11.0%. At 60 DAS, the downy mildew incidence was also higher in Zone B compared to Zone A1 and Zone A. At 60 DAS, the mean downy mildew incidence in Zone A1 was 4.6%, and in Zone A it was 3.5%, whereas in Zone B it was 5.1%. The range of downy mildew in Zones A1 and A was 0.0–8.0% and 0.0–18.6%, and in Zone B it was 0.3–17.4%. Across zones, the mean downy mildew at 30 DAS was 6.4 %, and at 60 DAS, it was 18.1%. The mean disease pressure at 60 DAS in the indicator rows IR I (7042S) and IR II (local susceptible) was 93.3% and 79.8%, respectively. The incidence of blast disease at 60 days after sowing (DAS) was higher in Zone B than in Zones A1 and A, according to the test entries. In Zones A1 and A, the mean disease incidence at 60 DAS across locations and entries was 3.6% and 4.0%, while Zone B recorded 4.9%. Overall, across all zones, the mean blast disease occurrence at 60 DAS was 4.4% (Table IV).

**Pearl Millet Plant Pathology Trial (PMPT-II):** Downy mildew pressure at 30 DAS was higher in Zone B than in Zones A1 and A, according to test entries. In Zones A1 and A, the mean disease at 30 DAS across locations and entries was 0.6%, 0.6%, and 1.0% in Zone B. The range of downy mildew in A1 and A Zones was 0.0–3.0% and 0.0–2.7%, and in Zone B it was 0.0–3.4%. At 60 DAS, the downy mildew incidence was higher in Zone B compared to Zones A1 and A. At 60 DAS, the mean downy mildew incidence in Zone A1 was 1.1%, and in A it was 1.0%, whereas in Zone B it was 1.5%. The range of downy mildew in Zones A1 and A was 0.0–4.7%, 0.0–4.3%, and 0.3–5.2% in Zone B. At 30 DAS, the mean downy mildew was 0.8% across zones, and at 60 DAS, it was 1.3%. The mean disease pressure at 60 DAS in the indicator rows IR I (7042S) and IR II (local susceptible) was 94.2% and 81.1%, respectively. The incidence of blast disease at 60 days after sowing (DAS) was higher in Zone B than in Zones A1 and A, according to the test entries. In Zones A1 and A, the mean disease incidence at 60 DAS across locations and entries was 2.1% and 2.2%, while Zone B recorded 2.4%. Overall, across all zones, the mean blast disease occurrence at 60 DAS was 2.3% (Table IV).

**Pearl Millet Plant Pathology Trial (PMPT-III):** Downy mildew pressure at 30 DAS was higher in Zone B than in Zones A1 and A, according to test entries. In Zones A1 and A, the mean

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disease at 30 DAS across locations and entries was 0.8%, 1.0 %, and 1.0% in Zone B. The range of downy mildew in A1 and A Zones was 0.0–4.9% and 0.0–3.8%, and in Zone B it was 0.0–2.6%. At 60 DAS, the downy mildew incidence was higher in Zone B compared to Zones A1 and A. At 60 DAS, the mean downy mildew incidence in Zone A1 was 1.5%, and in A it was 1.7%, whereas in Zone B it was 1.4%. The range of downy mildew in Zones A1 and A was 0.0–5.4%, 0.0–5.6%, and 0.3–3.3% in Zone B. At 30 DAS, the mean downy mildew was 1.0% across zones, and at 60 DAS, it was 1.6%. The mean disease pressure at 60 DAS in the indicator rows IR I (7042S) and IR II (local susceptible) was 93.2% and 81.4%, respectively (Table IV). The incidence of blast disease at 60 days after sowing (DAS) was higher in Zone B than in Zones A1 and A, according to the test entries. In Zones A1 and A, the mean disease incidence at 60 DAS across locations and entries was 2.4% and 2.6%, while Zone B recorded 2.0%. Overall, across all zones, the mean blast disease occurrence at 60 DAS was 2.3% (Table IV).

**Table IV: An Overview of different diseases in coordinated trials**

<b>Downy mildew (%)</b>	<b>Zone A<sub>1</sub></b>		<b>Zone A</b>		<b>Zone B</b>	
<b>30 DAS</b>	<b>Range</b>	<b>Mean</b>	<b>Range</b>	<b>Mean</b>	<b>Range</b>	<b>Mean</b>
PMPT I (IHT/IPT entries)	0.0-4.6	1.1	0.0-3.1	0.8	0.0-11.0	1.4
PMPT II (AHT/APT entries)	0.0-3.0	0.6	0.0-2.7	0.6	0.0-3.4	1.0
PMPT III (RHVT entries)	0.0-4.9	0.8	0.0-3.8	1.0	0.0-2.6	1.0
<b>Downy mildew (%) 60 DAS</b>						
PMPT I (IHT/IPT entries)	0.0-8.0	4.6	0.0-18.6	3.5	0.3-17.4	5.1
PMPT II (AHT/APT entries)	0.0-4.7	1.1	0.0-4.3	1.0	0.0-5.2	1.5
PMPT III (RHVT entries)	0.0-5.4	1.5	0.0-5.6	1.7	0.3-3.3	1.4
<b>Blast (Score) 30 DAS</b>						
PMPT I (IHT/IPT entries)	0.4-1.8	1.0	0.2-1.4	0.6	0.0-1.6	0.6
PMPT II (AHT/APT entries)	0.6-1.7	1.0	0.3-1.0	0.6	0.0-1.8	0.5
PMPT III (RHVT entries)	0.7-1.5	1.1	0.4-1.1	0.6	0.0-1.8	0.5
<b>Blast (Score) 45 DAS</b>						
PMPT I (IHT/IPT entries)	0.0-2.6	1.6	0.5-2.3	1.3	0.0-3.1	1.2
PMPT II (AHT/APT entries)	0.6-2.6	1.5	0.4-1.9	1.1	0.0-3.0	1.1
PMPT III (RHVT entries)	1.2-2.2	1.6	0.8-2.0	1.4	0.0-2.9	1.1
<b>Blast (Score) 60 DAS</b>						
PMPT I (IHT/IPT entries)	0.9-3.6	2.1	1.1- 4.0	2.3	0.0-4.9	2.0
PMPT II (AHT/APT entries)	0.9-3.3	2.1	0.8-3.9	2.2	1.0-4.9	2.4
PMPT III (RHVT entries)	1.7-3.2	2.4	1.5-3.9	2.6	1.4-4.2	2.3
<b>Rust (% leaf area) 60 DAS</b>						
PMPT I (IHT/IPT entries)	0.0-9.3	0.4	0.0-6.2	0.3	0.0-25.3	8.2
PMPT II (AHT/APT entries)	0.0-1.3	0.1	0.0-0.8	0.0	7.1-25.8	15.9
PMPT III (RHVT entries)	0.0-3.3	0.1	0.0-2.2	0.1	2.4-18.4	8.4
<b>Smut (severity %)</b>						
PMPT I (IHT/IPT entries)	0.0-18.3	2.4	0.0-23.5	6.1	0.0-3.8	0.2
PMPT II (AHT/APT entries)	0.0-8.3	0.6	0.0-18.3	4.2	0.0-2.5	0.3
PMPT III (RHVT entries)	0.0-17.8	2.2	0.0-21.5	6.3	0.0-1.3	0.1

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<b>Ergot (severity %)</b>						
PMPT I (IHT/IPT entries)	0.0-5.0	0.4	0.0-4.5	0.7	0.0-4.6	1.0
PMPT II (AHT/APT entries)	0.0-7.5	1.3	0.0-4.2	1.3	0.0-2.0	0.4
PMPT III (RHVT entries)	0.0-9.0	1.5	0.0-4.5	0.7	0.0-0.0	0.0

**Farmers Field Survey:** To determine the natural occurrence of diseases in pearl millet, a field survey was carried out in different states during the kharif season. The field survey revealed that blast and rust diseases were more severe than other pearl millet diseases. The incidence of downy mildew in the farmer's field ranged from 0% to 15%. Downy mildew infected most of the fields surveyed around Rajasthan (0-15%), Karnataka (0-9%), Tamil Nadu (0-8%), Gujarat (0-15%), and Haryana (0-4%). In Madhya Pradesh and Maharashtra, a field survey revealed that most fields were free from downy mildew. In general, on the farmer's field, the downy mildew disease incidence was on par with the previous year's field survey. The states, like Rajasthan, Maharashtra, and Gujarat, were observing an increase in blast and rust severity, with reports of up to 70% blast and 20% rust incidence. The blast was found to have a 0-12% incidence in the fields of Tamil Nadu, 5-21% in Karnataka, 1-20% in Rajasthan, and 0-5% in Gujarat. In Haryana it was 1-50%, and in Maharashtra, it was 5-70%; incidences were observed. Smut incidence was high in Rajasthan (up to 30%), and in Gujarat it was 0-4.5%; in all the other surveyed states, there were no smut disease incidences reported, and the highest incidence of ergot was observed in the fields of Tamil Nadu and Gujarat, ranging from 0 to 8%. The other states, Rajasthan, Maharashtra, Madhya Pradesh, and Karnataka, had very little ergot disease incidence. The findings suggest a significant variation in disease prevalence across different regions, highlighting the need for targeted management strategies. Further research is essential to understand the underlying factors contributing to these discrepancies and to develop effective interventions for affected areas.

**PLANT PROTECTION - 2024**

**Downy Mildew, blast and other diseases**

All the centres were assigned to conduct the trial in a sick plot using infector rows raised from a mixture of 7042S (universal susceptible check) and local susceptible lines before 21 days of sowing test entries. It was suggested to maintain 40 plants in a single row of 5 m in length with two replications and to ensure a minimum of 70% disease incidence on the susceptible check line (indicator line). The downy mildew incidence at different centres was recorded using the following scale: 0-5% (resistant), 5-10% (moderately resistant), 10-25% (susceptible), and >25% (highly susceptible). The incidences of rust, smut, and ergot were recorded on a scale as follows: 0-20% (resistant) and >20% (susceptible). The scale for blast incidence was as follows: score: (0) Highly resistant, (0.1-3) Resistant, (>3-5) Moderately resistant, (>5-7) Susceptible, and (>7-9) Highly susceptible.

<b>Downy Mildew</b>	<b>Blast</b>	<b>Rust</b>	<b>Smut</b>	<b>Ergot</b>
<b>0-5%</b> (Resistant)	Score (0) Highly resistant	<b>0-20%</b> (Resistant)	<b>0-20%</b> (Resistant)	<b>0-20%</b> (Resistant)
<b>5-10%</b> (Moderately resistant)	<b>0.1-3:</b> Resistant			
<b>10-25%</b> (Susceptible)	<b>&gt;3-5:</b> Moderately Resistant	<b>&gt;20%</b> (Susceptible)	<b>&gt;20%</b> (Susceptible)	<b>&gt;20%</b> (Susceptible)
<b>&gt;25%</b>	<b>&gt;5-7:</b> Susceptible			
(Highly susceptible)	<b>&gt;7-9:</b> Highly susceptible			

**PMPT I: Disease Screening Trial of Initial Pearl Millet Hybrids and Varieties**

One hundred and fourteen entries were screened in this trial at nine different centres. The overview of the results of the trial at different centres is tabulated in Table IV B. All the entries included in the trial were scored for downy mildew disease incidence at 30 DAS (tillering stage) and 60 DAS (soft-dough stage), and a comparison was made. The details of the downy mildew reaction on different initial pearl millet hybrids and varieties both at the tillering (30 DAS) and soft dough (60 DAS) stages were given on a zonal basis.

**ZONE A1:** At 30 DAS, the mean downy mildew incidence for the entries tested ranged from 0.0 to 4.6%. All the entries demonstrated a highly resistant reaction, exhibiting disease incidences between 0.0 and 4.6%, with the two entries (MH 2828 and RHB 223) displaying the highest disease reactions at 4.6% and 3.9%, respectively (Table IV.1). At 60 DAS, the mean disease incidence in Zone A1 for the entries tested ranged from 0.0 to 8.0%. One hundred and nine entries exhibited a highly resistant reaction, showing disease incidences between 0.0 and 4.9%, followed by five entries (MH2823, MH2825, MH2819, MH2828, and MH2849) that displayed a moderately resistant reaction, and none of the entries showing a susceptible reaction (Table IV.2).

**ZONE A:** At 30 DAS, the average incidence of downy mildew for the tested entries varied from 0.0% to 3.1%. All entries exhibited a markedly resistant response, demonstrating disease incidences ranging from 0.0 to 3.1%; specifically, entries MH 2872 and MH 2828 displayed the most significant disease reactions, with incidences of 3.1 and 2.8, respectively (Table IV.1). At 60 days after sowing, the average disease incidence in Zone A for the tested entries varied from 0.0% to 18.6%. One hundred and ten entries exhibited high resistance, demonstrating disease incidence ranging from 0.0 to 4.9%, while four entries—MH2828, MH2823, MH2825, and MPMH35—showed moderate resistance to downy mildew (Table IV.2).

**Zone B:** At 30 DAS, the mean disease incidence for the entries tested ranged from 0.0 to 11%. One hundred and twelve entries were classified as highly resistant (0.0–4.0%); one entry, MP 645, was moderately resistant, and one entry, MH 2828, is susceptible to downy mildew by exhibiting an 11.0% disease reaction (Table IV.1). At 60 DAS, the mean disease incidence for the entries tested in Zone B varied from 0.3 to 17.4%. One hundred and ten entries were highly resistant (0.3–4.6%), followed by one entry, MH 2857, which was moderately resistant, showing a 5.1% disease reaction. Additionally, three entries, MH 2828 (17.4%), MP 645 (12.7%), and MH 2858 (10.4%), were identified as susceptible to downy mildew (Table IV.2)

**All India:** At 30 DAS, the mean disease incidence for the entries tested ranged from 0.0 to 6.4%. One hundred and thirteen entries were highly resistant (0.3–4.9%), and one entry, MH 2828, was moderately resistant to the downy mildew reaction (Table IV.1). At 60 DAS, the mean disease incidence for the entries tested ranged from 0.5 to 18.1%. One hundred and eleven entries were highly resistant (0.8–4.7%), while two entries, MP 645 (6.7%) and MH 2858 (6.2%), were moderately resistant. One entry, MH 2828 (18.1%), is showing susceptibility to the downy mildew reaction (Table IV.2).

**PMPT I - Other Diseases:** An overview of the disease entries for Blast, Rust, Smut, and Ergot is summarised in Table IV.F.

**Blast:** At 30 DAS, the mean blast incidence in Zones A1, A, and B was 1.0, 0.6, and 0.6, scores, respectively (Table IV.3).

**Zone A1:** None of the entries are showing a resistant reaction. All the entries were resistant, showing a disease severity score of 0.8 to 1.8 (Table IV.3).

**Zone A:** None of the entries are showing a resistant reaction. All the entries were resistant, showing a disease severity score of 0.2 to 1.4 (Table IV.3).

**Zone B:** Seven entries—MH 2814, MH 2819, MH 2840, MH 2842, MH 2875, MH 2880, and MH 2881—showed a highly resistant reaction; one hundred and seven entries showed a resistant reaction with a disease severity score of 0.1 to 1.6 (Table IV.3).

**Blast:** At 45 DAS, the mean blast incidence in Zones A1, A, and B was 1.6, 1.3, and 1.2 scores, respectively (Table IV.3A).

**Zone A1:** All the entries were highly resistant, showing a disease severity scale of 0.6 to 2.6 (Table IV.3A).

**Zone A:** All the entries were highly resistant, showing a disease severity scale of 0.5 to 2.3 (Table IV.3A).

**Zone B:** Two entries, MH2840 and MH2875, showed the highly resistant reaction; one hundred and eleven entries were showing resistant reaction with a disease severity score of 0.0 to 2.9, and the one entry, Pratap, demonstrated the moderately resistant reaction by showing the disease score of 3.1 (Table IV.3A).

**Blast:** At 60 DAS, the mean blast incidence in Zones A1, A, and B was 2.3, 2.3, and 2.0, respectively (Table IV.3B).

**Zone A1:** 88 entries showed a resistant reaction with a disease score of 0.9–2.9, and 26 entries demonstrated a moderately resistant reaction to blast disease with a disease score ranging from 3.1 to 3.9 (Table IV.3B).

**Zone A:** 90 entries showed a resistant reaction with a disease score of 1.1–3.0, and 24 entries were moderately resistant to blast disease with a disease score ranging from 3.1 to 4.0 (Table IV.3B).

**Zone B:** Two entries, MH 2840 and MH 2875, are demonstrating a highly resistant disease reaction; 96 entries were showing a resistant reaction, with the disease score ranging from 0.5 to 3.0, and 16 entries were moderately resistant to blast (3.1–4.9 scale) (Table IV.3B).

**All India:** 98 entries demonstrated resistant disease reactions, with scores ranging from 0.6 - 2.9, while 16 entries were moderately resistant to blast disease, with scores between 3.1 - 3.4 (Table IV.3B).

**Rust:** At 60 DAS, Coimbatore, Mysore, and Dhule had the highest disease incidences of 30% (MH 2811), 32% (MH 2813), and 32.5 % (MH 2811), respectively. The mean rust incidence in Zones A1, A, and B was 0.2%, 0.3%, and 8.3%, respectively. All the entries tested were resistant to rust incidence in Zone A1, ranging from 0.0 to 9.3%; in Zone A, the incidence ranges from 0.0 to 0.0–6.2%; and in Zone B, all the entries showed a resistance reaction, except the one entry, MH 2811, which is demonstrating a susceptible reaction, and the incidence ranges from 0.0 to 25.3%. Overall in India, all the entries were found to be resistant, with the incidence ranging from 0.0 to 15.5% (Table IV.3C).

**Smut:** At 60 DAS, the Gwalior Centre recorded the highest disease incidence of 75% (MH 2840), with 35 entries classified as exhibiting susceptible disease reactions, ranging from 22.5% to 75%. The mean smut incidence in Zones A1, A, and B was recorded at 2.3%, 6.0%, and 0.2%, respectively; Zone B is not considered for promotion. In Zone A1, smut incidence ranges from 0.0% to 18.3%; in Zone A, it ranges from 0.0% to 23.5%; and in Zone B, it ranges from 0.0% to 3.8%. Overall, in India, all entries were found to be resistant, with the incidence ranging from 0.0% to 11.9% (Table IV.3D).

**Ergot:** At 60 DAS, the mean ergot incidence in Zones A1, A, and B was recorded at 0.4%, 0.6%, and 0.9%, respectively. All entries tested were found to be resistant to ergot disease across Zones A1, A, and B, respectively (Table IV.3E).

### **PMPT II: Disease Screening Trial of Advanced Pearl Millet Hybrids and Varieties**

**Downy Mildew:** A total of forty-nine entries were screened in this trial at ten different centres for pearl millet diseases. The overview of the results of this trial at different centres is summarised in Table IV.C.

**Zone A1:** At 30 days after sowing (DAS), the mean disease incidence for the entries tested ranged from 0.0% to 3.0%. All the entries exhibited highly resistant to downy mildew disease (Table IV.4).

**Zone A:** At 30 DAS, the mean disease incidence for the entries tested ranged from 0.0 to 2.7%. All the entries were highly resistant to downy mildew disease (Table IV.4).

**Zone B:** At 30 DAS, the mean disease incidence for the entries tested ranged between 0.0 and 3.4%. All the tested entries were highly resistant to downy mildew disease (Table IV.4).

**At 60 DAS,** the mean disease incidence for the entries tested ranged from 0.0 to 5.4%.

**Zone A1:** The average of mean disease incidence for the entries tested is 1.1%. All the entries were highly resistant, with disease incidence ranging from 0.0 to 4.7% (Table IV.5).

**Zone A:** The average of mean disease incidence for the entries tested is 1%. All the entries were highly resistant, with disease incidence ranging from 0.0 to 4.3% (Table IV.5).

**Zone B:** The average of mean disease incidence for the entries tested is 1.5%. All the tested entries were highly resistant to downy mildew disease (0.0–4.3%), and the one entry Pratap is showing a moderately resistant disease reaction with a 5.2% incidence (Table IV.4).

**At 60 DAS,** across all of India, the mean disease incidence ranged between 0.0 and 3.4%, with the mean average disease incidence at 1.8%. All the entries were highly resistant to downy mildew disease (Table IV.5)

**Other Diseases (PMPT II):** An overview of Blast, Rust, Smut, and Ergot of highly resistant entries is summarised in Table IV.6.

**Blast:** At 30 DAS, the mean blast severity recorded in Zones A1, A, and B was 0.7, 0.6, and 0.5, respectively (Table IV.6).

**Zone A1:** All 49 entries exhibited resistance to blast disease, demonstrating a severity scale ranging from 0.6 to 1.7 (Table IV.6).

**Zone A:** All 49 entries exhibited resistance to blast disease, demonstrating a severity scale ranging from 0.3 to 1.0 (Table IV.6).

**Zone B:** All 49 entries exhibited resistance to blast disease, demonstrating a severity scale ranging from 0.0 to 1.8 (Table IV.6).

**At All India,** all 49 entries demonstrated resistance to blast disease, with a severity scale ranging from 0.2 to 1.2.

**Blast: At 45 DAS,** the mean blast severity in Zones A1, A, and B was 1.3, 1.1, and 1.1 scores, respectively (Table IV.6A).

**Zone A1:** All 49 entries demonstrated resistance to blast disease, exhibiting a severity scale that ranged from 0.6 to 2.5 (Table IV.6). **Zone A:** All 49 entries demonstrated resistance to blast disease, exhibiting a severity scale that ranged from 0.4 to 1.9 (Table IV.6A).

**Zone B:** All 49 entries demonstrated resistance to blast disease, exhibiting a severity scale that ranged from 0.0 to 3.0 (Table IV.6A).

**At All India,** all 49 entries demonstrated resistance to blast disease, exhibiting a severity scale that ranged from 0.4 to 2.4 (Table IV.6A)..

**Blast: At 60 DAS,** the mean blast severity in Zones A1, A, and B was 2.1, 2.2, and 2.4, respectively (Table IV.6B).

**Zone A1:** 47 entries showed resistant reactions with the severity score ranging from 1.4 to 3.0, and two entries demonstrated moderately resistant reactions by scoring 3.3 on the severity scale of the blast (Table IV.6B).

**Zone A:** 42 entries showed resistant reactions, with the severity score ranging from 0.8 to 0.8–3.0, and seven entries were recorded as moderately resistant reactions with a 3.1–3.9 severity score to blast (Table IV.6B).

**Zone B:** 40 entries showed resistant reactions with the severity score ranging from 1.0 to 1.0–3.0, and nine entries were recorded as moderately resistant reactions with a 3.1–4.9 severity score to blast disease (Table IV.6B).

**At All India:** 41 entries showed resistant reactions with the severity score ranging from 1.2 to 3.0, and eight entries were recorded as moderately resistant to blast disease with a 3.1 to 4.4 scale of severity (Table IV.6B)..

**Rust:** At 60 DAS, Patencheru, Coimbatore, Mysore, and Dhule had the highest disease incidences of 65% (Raj 171), 28% (MH 2743), and 32.5 % (Raj 171), respectively. The mean rust incidence in Zones A1, A, and B was 0.0%, 0.0%, and 15.9%, respectively. All the entries tested were resistant to rust incidence in Zones A1 and A, ranging from 0.0 to 0.5%; and in Zone B, all the entries showed a resistance reaction, except for the one entry, Raj 171, which is demonstrating a susceptible reaction, and the incidence ranges from 7.1 to 25.8%. Overall in India, all entries were found to be resistant, with the incidence ranging from 4.4% to 16.1% (Table IV.6C).

**Smut:** At 60 DAS, the Gwalior Centre recorded the highest disease incidence of 72.5% (MH 2775), with 35 entries classified as exhibiting susceptible disease reactions, ranging from 22.5% to 75%. The mean smut incidence in Zones A1, A, and B was recorded at 0.6%, 4.2%, and 0.3%, respectively; Zone B is not considered for promotion. In Zone A1, smut incidence ranges from 0.0% to 8.3%; in Zone A, it ranges from 0.0% to 18.4%; and in Zone B, it ranges from 0.0% to 2.5%. Overall, in India, all entries were found to be resistant, with the incidence ranging from 0.0% to 8.2% (Table IV.6D).



**Ergot:** The mean incidence of ergot in Zones A1, A, and B was recorded at 1.3%, 1.3%, and 0.4%, respectively. The mean incidence of ergot for the test entries across the zones ranged from 0.0% to 2.5%. All tested entries were found to be resistant to ergot disease in Zones A1, A, and B (Table IV.6E).

### **PMPT III: Monitoring Disease Resistance Stability of Released Popular Hybrids/Varieties**

**Downy mildew:** A total of 37 entries were screened across nine different centres (Table IV D). All entries included in this trial were assessed for downy mildew disease incidence at 30 days after sowing (DAS) during the pre-tillering stage and at 60 DAS during the soft-dough stage. Blast: The incidence of blast disease was recorded at 30, 45, and 60 DAS.

**Zone A1:** At 30 DAS, the downy mildew incidence range was 0.0–4.9%. All 37 entries tested were highly resistant to downy mildew (Table IV.7).

At 60 DAS, the mean disease incidence for the evaluated entries ranged between 0.0 and 5.4 %. Thirty-six entries were highly resistant (0.0–4%), and one entry, RHB 223 (5.4), was recorded as moderately resistant to downy mildew disease (Table IV.8).

**Zone A:** At 30 DAS, the downy mildew incidence range was 0.0–3.8%. All the entries tested were highly resistant to downy mildew disease (Table IV.7).

**At 60 DAS,** the mean disease incidence for the entries evaluated ranged between 0.0% and 5.6%. Thirty-five entries were highly resistant (0.0–3.6%), and two entries, Pusa Composite 701 (5.6%) and RHB 223 (5.3), were moderately resistant to downy mildew disease (Table IV.8).

**Zone B: At 30 DAS, the mean** disease incidence for the entries evaluated ranged between 0.0 and 2.6%. All the entries tested were highly resistant to downy mildew disease (Table IV.7).

**At 60 DAS,** the mean disease incidence for the entries evaluated ranged between 0.3% and 3.3%. All entries were highly resistant to downy mildew disease (Table IV.8).

At all India levels, at 30 DAS, the downy mildew incidence range was 0.0–2.9%. All the entries tested were highly resistant to downy mildew disease (Table IV.7).

**At 60 DAS, the mean disease incidence for the evaluated entries ranged between 0.2% and 3.9%.** All entries were highly resistant to downy mildew (Table IV.8).

**Other diseases (PMPT III):** An overview of smut, rust, blast, and ergot of highly resistant entries is summarised in Table IV.

**Blast: At 30 DAS,** the mean blast scores in Zones A1, A, and B were 1.1, 0.6, and 0.5 scores, respectively (Table IV.9).

**Zone A1:** All the entries were resistant to blast (0.0 to 1.1 severity scale) (Table IV.9).

**Zone A:** All the entries were resistant to blast (0.4 to 1.1 severity scale) (Table IV.9).

**Zone B:** All the entries were resistant to blast (0.6 to 1.8 severity scale) (Table IV.9).

**Blast: At 45 DAS,** the mean blast scores in Zones A1, A, and B were 1.6, 1.4, and 1.1 scores, respectively (Table IV.9A).

**Zone A1:** All the entries were resistant to blast (0.1 to 1.5 severity scale) (Table IV.9A).

**Zone A:** All the entries were resistant to blast (0.8 to 2.0 severity scale) (Table IV.9A).

**Zone B:** All the entries were highly resistant to blast (0.0 to 2.9 scale) (Table IV.9A).

**Blast:** At 60 DAS, the mean blast scores in Zones A1, A, and B were 2.4, 2.6, and 2.0 severity scores, respectively (Table IV.9B).

**Zone A1:** 36 entries were resistant to blast (on a scale of 1.7 to 3.0), and one entry, Pratap (3.2), showed a moderate disease reaction (Table IV.9B).

**Zone A:** Nine entries recorded moderately diseased scores ranging from 3.1 to 3.9, and 28 entries were scored resistant to disease reactions ranging from 1.5 to 3.0 on the scale (Table IV.9B).

**Zone B:** Four entries were recorded with moderately resistant disease scores ranging from 3.1 to 4.3, and 33 entries were scored with resistant disease reactions ranging from 0.6 to 0.6 to 2.9 (Table IV.9B).

**All-India level:** Six entries were moderately resistant with a disease score of 3.2 to 4.1 on the severity scale, and 31 entries were moderately resistant on the 1.4–2.9 severity scale to blast (Table IV.9B).

**Rust:** At 60 DAS, the mean rust incidence in Zones A1 and A was 0.1% and 0.1%, respectively, and in Zone B it was 8.4%. In Zones A1, A, and B, all the entries tested resistant to rust (Table IV.9C).

**Smut:** The mean disease incidence across the zones was 3.1%. Gwalior had the highest mean incidence, at 18.5%. The mean smut incidence in Zones A1, A, and B was 2.2%, 6.1%, and 0.1%, respectively. In Zones A1, A, and B, all the entries were resistant to smut. Zone B is not considered for promotion (Table IV.9D).

**Ergot:** The mean ergot incidence in Zones A1, A, and B was 1.3%, 0.7%, and 0.4%, respectively. All the entries tested were resistant to ergot incidence in A1, A, and Zone B (Table IV.9E).

#### **PMPT IV: Characterization of Pathogen Diversity in Downy Mildew of Pearl Millet**

The virulence nursery analysed the pathogenic diversity. In this experiment, we recorded the incidence of downy mildew disease at both the pre-tillering and soft dough stages across the zones.

The Pearl Millet Downy Mildew Virulence Nursery (PMDMVN) is a research project that ICAR (AICRP on PM) and ICRISAT are working together on. It provides information on the different types of virulence in *S. graminicola* populations as well as the stability of resistance in pearl millet lines grown in different locations. We observed a reliable disease pressure (>80% DM) on 7042S at the soft-dough stage across all locations. In general, there was an increase in disease incidence from the pre-tillering stage (Table IV.10) to the soft-dough stage (Table IV.11).

Out of the 40 test entries evaluated in PMDMVN 2024, four entries (ICPMDML-6, ICPMDML-10, ICPMDML-32, and ICPMDML-33) showed a high level of downy mildew resistance at 60 DAS; these lines recorded an incidence of less than 5% downy mildew across all test locations. Whereas eleven lines (ICPMDML-7, ICPMDML-8, ICPMDML-11, ICPMDML-13, ICPMDML-15, ICPMDML-19, ICPMDML-24, ICPMDML-27, ICPMDML-29, ICPMDML-38) were resistant at 9 locations. Eight entries (ICPMDML-2, ICPMDML-9, ICPMDML-12, ICPMDML-14, ICPMDML-20, ICPMDML-23, ICPMDML-28, ICPMDML-35, and

ICPMDML-38) were resistant at 8 locations, and five lines (ICPMDML-1, ICPMDML-16, ICPMDML-17, ICPMDML-26, and ICPMDML-37) were resistant at 7 locations; eight lines at 6 locations; two lines at 5 locations; and one line at 4 locations.

The mean DM incidence at Mysore was highest among test locations, with 10.9% mean downy mildew across entries, followed by 10.7% mean DM across entries at Pateneru. Coimbatore had the lowest mean DM incidence (2.5%).

The variation in pathogen populations was evident from the variable DM incidence among test locations, indicating a variation in pathogen population distribution. At the soft-dough stage, the disease incidence indicated that the pathogen population at the Mysore location was more virulent, with 25 entries showing over 5% DM incidence, followed by Mandor with 24 entries above 5% DM and Patencheru with 15 entries showing >5% incidence. The pathogen population in Coimbatore had the lowest virulence, with no entries above 5% disease incidence; all the entries exhibited resistance at the Coimbatore location. This variation underscores the importance of geographical factors in disease dynamics, suggesting that environmental conditions may significantly influence pathogen virulence.

#### **PMPT V: Pearl Millet Blast Variability Nursery (PMBVN)**

The PMBVN-2024, which consists of 60 advanced breeding and germplasm lines alongside a susceptible check, was evaluated at the AICRP on PM centres located in Aurangabad, Dhule, Jaipur, Jamnagar, Gwalior, Hisar, Mysore, IARI-New Delhi, Mandor Vizianagaram, and Tirupati, as well as at ICRISAT in Patancheru, during the kharif season of 2024.

The blast severity was recorded at the soft dough stage using a progressive 0-9 scale, as follows: 0 = no infection; 1 = small brown specks of pinhead size; 2 = larger brown specks; 3 = small, roundish to slightly elongated, necrotic grey spots approximately 1-2 mm in diameter with a brown margin; 4 = typical blast lesions usually confined to the area between the main veins, covering less than 5% of the leaf area; 5 = typical blast lesions covering 6–10% of the leaf area; 6 = typical blast lesions covering 11-25% of the leaf area; 7 = typical blast lesions covering 26–50% of the leaf area; 8 = typical blast lesions covering 51–75% of the leaf area, with many leaves dead; 9 = all leaves are dead.

The virulence nursery analysed the pathogenic diversity. In this experiment, we recorded the incidence of blast disease at 30 DAS, 45 DAS and 60 DAS across the zones.

The Pearl Millet Blast Virulence Nursery (PMBMVN) is a research project that ICAR (AICRP on PM) and ICRISAT are collaborating on. It provides information on the various types of virulence found in *M. grisea* populations, as well as the stability of resistance in pearl millet lines cultivated in different locations. We observed consistent disease pressure (>5.6 severity) on ICMB 95444 at 60 DAS across all locations. Generally, there was an increase in disease incidence from the pre-tillering stage to the soft-dough stage (Table IV.12B).

#### **At 30 DAS**

Out of the 60 test entries evaluated in PMBVN 2024, **TWENTY ONE** entries (ICPMBL-14, ICPMBL-16, ICPMBL-17, ICPMBL-18, ICPMBL-22, ICPMBL-21, ICPMBL-23, ICPMBL-25, ICPMBL-26, ICPMBL-27, ICPMBL-30, ICPMBL-31, ICPMBL-32, ICPMBL-36, ICPMBL-37,

ICPMBL-39, ICPMBL-40, ICPMBL-41, ICPMBL-49, ICPMBL-50, and ICPMBL-55) showed a resistance disease reaction at 30 DAS; these lines recorded an incidence of less than <3% disease severity score across all test locations. Whereas **FOURTEEN** entries—**ICPMBL-3, ICPMBL-9, ICPMBL-10, ICPMBL-12, ICPMBL-13, ICPMBL-15, ICPMBL-19, ICPMBL-20, ICPMBL-28, ICPMBL-35, ICPMBL-48, ICPMBL-52, ICPMBL-57, and ICPMBL-58**—were resistant at 11 test locations. **SIXTEEN** entries ICPMBL-4, ICPMBL-5, ICPMBL-6, ICPMBL-7, ICPMBL-8, ICPMBL-11, ICPMBL-29, ICPMBL-33, ICPMBL-34, ICPMBL-38, ICPMBL-42, ICPMBL-43, ICPMBL-47, ICPMBL-53, ICPMBL-56, and ICPMBL-60 were resistant at 10 locations; **SEVEN** entries, ICPMBL-1, ICPMBL-2, ICPMBL-44, ICPMBL-45, ICPMBL-51, ICPMBL-54, and ICPMBL-59, at 9 locations; **TWO** entries, ICPMDML-24 and ICPMDML-46, were resistant in **EIGHT** locations.

#### **45 DAS**

Out of the 60 test entries evaluated in PMBVN 2024, **ONE** entry (ICPMBL-30) showed a resistance disease reaction at 45 DAS; these lines recorded an incidence of less than a <3% disease severity score across all test locations. Whereas **SEVEN** entries – ICPMBL-18, ICPMBL-21, ICPMBL-25, ICPMBL-36, ICPMBL-37, ICPMBL-39, and ICPMBL-50 – were resistant at 11 test locations. **THIRTEEN** entries, ICPMBL-9, ICPMBL-14, ICPMBL-15, ICPMBL-16, ICPMBL-17, ICPMBL-20, ICPMBL-22, ICPMBL-26, ICPMBL-27, ICPMBL-40, ICPMBL-41, ICPMBL-55, and ICPMBL-58, were resistant at 10 locations; **SEVENTEEN** entries, ICPMBL-35, ICPMBL-6, ICPMBL-8, ICPMBL-10, ICPMBL-13, ICPMBL-23, ICPMBL-31, ICPMBL-32, ICPMBL-34, ICPMBL-35, ICPMBL-38, ICPMBL-42, ICPMBL-48, ICPMBL-49, ICPMBL-52, and ICPMBL-53, were resistant in **EIGHT** locations; **NINE** entries, ICPMBL-1, ICPMBL-11, ICPMBL-12, ICPMBL-19, ICPMBL-54, ICPMBL-56, ICPMBL-57, ICPMBL-59, and ICPMBL-60, were resistant in **SEVEN** locations. **EIGHT** entries ICPMBL-2, ICPMBL-4, ICPMBL-28, ICPMBL-29, ICPMBL-43, ICPMBL-44, ICPMBL-45 and ICPMBL-47 were resistant in 7 locations; **FOUR** entries, ICPMBL-7, ICPMBL-33, ICPMBL-46, and ICPMBL-51, were resistant in 6 locations; and **ONE** entry, ICPMBL-24, showed resistance in 3 test locations.

#### **At 60 DAS:**

Out of the 60 test entries evaluated in PMBVN 2024, **FIVE** entries (ICPMBL-16, ICPMBL-18, ICPMBL-21, ICPMBL-22 and ICPMBL-49) showed a high level of resistance at 60 DAS; these lines recorded an incidence of less than <3 severity scale across **ELVEN** test locations. Whereas **Eight** entries (**FIVE** entries (ICPMBL-14, ICPMBL-17, ICPMBL-23, ICPMBL-26, ICPMBL-27, ICPMBL-32, ICPMBL-37 and ICPMBL-39) were resistant at 10 locations, and six entries (ICPMBL-8, ICPMBL-15, ICPMBL-30, ICPMBL-34, ICPMBL-40 and ICPMBL-50) were resistant at 9 locations; three entries (ICPMBL-35, ICPMBL-48 and 52) were resistant at 8 locations; seven entries (ICPMBL-3, ICPMBL-10, ICPMBL-13, ICPMBL-25, ICPMBL-36, ICPMBL-41, ICPMBL-58) were resistant at 7 locations; 10 entries (ICPMBL-4, ICPMBL-5, ICPMBL-12, ICPMBL-19, ICPMBL-20, ICPMBL-29, ICPMBL-31, ICPMBL-38, ICPMBL-42, and ICPMBL-53) were resistant at 6 locations; 10 entries (ICPMBL-9, ICPMBL-11, ICPMBL-33, ICPMBL-44, ICPMBL-47, ICPMBL-55, ICPMBL-56, ICPMBL-57, ICPMBL-59, and ICPMBL-60) were resistant at 5 locations; five entries (ICPMBL-2, ICPMBL-6, ICPMBL-7, ICPMBL-28, and ICPMBL-51) were resistant at 4 locations; four entries (ICPMBL-1, ICPMBL-

43, ICPMBL-45, and ICPMBL-54) were resistant at 3 locations; one entry ICPMBL-46 was resistant at two location. None of the entry showing resistant reaction at all the locations.

The variation in the pathogen population was evident from the mean severity levels and the differential reactions of the test entries at various locations. The mean blast severity across pearl millet lines was highest at Vizianagaram (5.4 mean score), followed by Patencheru (4.7 mean score), New Delhi (4.7 mean blast score), Dhule (3.4 mean score), and Mysore (3.1 mean score). Conversely, the lowest mean blast severity was observed for pathogen populations at Tirupati (2.1 mean score) and Jamnagar (2.2 mean score), with Aurangabad (2.4 mean score), Hisar (2.5 mean score), Gwalior (2.6 mean score), Jaipur (2.9 mean score), and Mandore (3.1 mean score) following. At Tirupati, 50 entries were resistant to blast disease, while at Jamnagar, 46 entries were resistant to blast disease.

## PMPT VI: BASIC RESEARCH

### 1. Genetic analysis through DNA markers: Variability in downy mildew pathogen and grouping of pathotypes based on the pathogenicity test

All the existing pathotypes of pearl millet downy mildew pathogens were collected from different regions of pearl millet-growing areas and maintained under greenhouse conditions, and oospore samples and host differentials are being maintained. These samples will facilitate further research into the genetic diversity and pathogenicity of the downy mildew pathogens. Additionally, the results will enable the development of resistant pearl millet varieties to combat the disease effectively.

### 2. *Magnaporthe grisea* pathogenic variability and host differential screening for blast disease resistance source identification

**Pathogenic variability:** Blast disease in pearl millet, caused by *Magnaporthe grisea*, poses a significant threat in India, impacting both forage and grain production. A study investigating pathogenic variation in 26 isolates of *M. grisea* collected from fields in Karnataka, Hisar, and Rajasthan in 2024 revealed diverse responses. The isolates were classified into virulent and avirulent groups according to their reaction types, with virulent isolates receiving a score of 4 or higher and avirulent isolates scoring 3 or lower. This classification highlights the complexity of the pathogen's behaviour and its potential to adapt to varying environmental conditions. Understanding these variations is crucial for developing effective management strategies to mitigate the impact of blast disease on pearl millet yields. **Host differentials:** Differential hosts refer to groups of plant cultivars used to identify virulent isolates by studying the qualitative differences in their responses between resistant and susceptible cultivars. To study the host differentials, a selection of ten pearl millet genotypes ICMB 02444, ICMB 02777, ICMB 06444, ICMB 93333, ICMB 96666, ICMB 97222, ICMB 99444, 863B, ICMR 06222, and ICMB 95444 exhibiting varied responses in the pearl millet blast variability nursery, evaluated across various locations in India, were collected from ICRISAT for the present study. These genotypes were subjected to controlled experiments to assess their resistance levels under controlled environmental conditions. This approach aimed to enhance our understanding of the genetic factors influencing resistance to pearl millet blasts and provide information for breeding programmes for developing more resilient cultivars against blast disease.

**Spathe Blight and Leaf Spot Disease of Pearl Millet in India:** In July 2021, fields of pearl millet in Karnataka, India, were inspected for spathe blight and leaf spot disease. The pathogen, *Curvularia* sp., was identified based on morphological characteristics and confirmed using molecular tools. The isolates UOMPM1 and UOMPM2 were identified molecularly, and a phylogenetic study validated the identification of *C. spicifera*. This study represents the first report of *C. spicifera* causing leaf spot and spathe blight in pearl millet in India, impacting grain yield and necessitating comprehensive disease control measures. The findings underscore the pressing need for effective management strategies to alleviate the effects of these diseases on pearl millet production. Future research should investigate potential resistant varieties and integrated pest management practices to protect the crop from these pathogens.

**PMPT VII: Management of downy mildew by using organic practices.**

During the year, the Integrated Disease Module, which included the moderately resistant host (Dhanshakti), Metalaxyl 35 SD @ 6 g/kg, was used for bio-control treatments [T1-(Seed Treatment @ 8.0 g/kg Microb Cons. (Combination of Trichod/Bacillus/Pseudom.), T2-(Seed Treatment @ 8.0 g/kg)+(Soil Amendment @ 8.0 g/lit) (Combination of Trichod/Bacillus/Pseudom.), T3-(Seed Treatment @ 8.0 g/kg Microb Cons. (Combination of Mycorrh/PSB/Pseudo/Tricho), T4-(Soil Amendment @ 8.0 g/kg Microb Cons. (Combination of Mycorrh/PSB/Pseudo/ Tricho), T4-Soil Amendment @ 8.0 g/kg Microb Cons. (Combination of Mycorrh/PSB/Pseudo/Tricho). T5-(Seed Treatment @ 8.0 g/kg) +(Soil Amendment @ 8.0 g/lit) (Combination of Mycorrh/PSB/Pseudo/Tricho); T6- Seed Treatment @ 8.0 g/kg of Pseudom. +Soil amendment @ 1.0% of Biochar); T7: (Seed Treatment @ 8.0 g/kg of Trichoderma + Soil Amendment @ 1.0% of Biochar) T8-Seed Treatment Metalaxyl 35 SD (6 g/kg) and T9-Control were conducted for the evaluation of the IDM package against pearl millet downy mildew disease. The trials also assessed the impact of this module on seed germination, fodder, and grain yield. The performance of the biological agent was positive in enhancing seed germination percentage, grain yield, fodder yield, and protection against downy mildew disease (Table IV.13).

**PMPT VIII: Management of blast disease by using chemical and bioagents.**

During the year, the Integrated Disease Module, which included the moderately resistant host (Dhanshakti), and Chemicals - Bio-control combinational treatments [ T1- Spray Propiconazole @ 1 ml/lit on 20 DAS + 1 Spray *Pseudomonas fluorescens* @ 10g/lit on 35 DAS., T2- Seed Treatment @ 8.0g/kg Microb Cons. (Combination of 4 microbes)] Mycorrhiza/PSB/*Pseudomonas*/Trichoderma + Spray with Tricyclazole 75% WP on 35 DAS., T3- Seed Treatment @ 10g/lit with *P. fluorescens* + and spray Trifloxystrobin + Tebuconazole @ 0.04% at 35 DAS., T4- Spray Trifloxystrobin + Tebuconazole @ 0.04% at 20 DAS and *Bacillus subtilis* @ 10g/lit on 35 DAS., T5- Spray Trifloxystrobin + Tebuconazole @ 0.04% on 35 DAS., T6- Spray Trifloxystrobin + Tebuconazole @ 0.04% on 20 and 35 DAS., T7- Seed treatment @ 8g/kg with *P. fluorescens* + Soil amendment with Biochar @ 1% at sowing + Spray *P. fluorescens* @ 10g/lit on 35 DAS., T8- Seed treatment @ 8g/kg with Trichoderma + Soil amendment with Biochar @ 1% at sowing + Spray Trichoderma @ 10g/lit on 35 DAS., and T9-Control] was conducted for the evaluation of the IDM package against pearl millet blast disease. The trial also evaluated the impact of this module on seed germination, fodder, and grain yield. The performances of chemical and biological agents were positive in enhancing seed

germination percentage, grain yield, fodder yield, and protection against blast disease (Table IV.14).

### **PMPT IX: Pearl Millet diseases monitoring on farmer's Field**

**Rajasthan:** The Kharif 2024 field survey revealed that blast, smut, and downy mildew were the most prevalent diseases, with smut and blast accounting for the highest incidence (1–30%) and blast (1–15%) recorded. (Table IV.16).

**Jaipur:** A survey conducted in Rajasthan during Kharif 2024 in eight districts found that the blast in the fields ranged from 1 to 15%, downy mildew 1 to 15%, and smut 0 to 30% were observed; there is no rust, and ergot disease was observed in the farmers' fields (Table IV.16A).

**Mandore:** A survey conducted during Kharif 2024 in three districts found that in the fields, blast ranged from 1 to 4%, downy mildew 1 to 6%, and smut 1 to 6% were observed; there is no rust, and ergot disease was observed in the farmers' field (Table IV.16B).

**Gujarat:** The pearl millet disease survey was conducted in Gujarat during Kharif 2024. They surveyed 71 fields and recorded a downy mildew incidence of 1-15%, blast 0-5%, and smut 0-4.5%; there was no incidence of ergot, and rust was observed (Table IV.16C).

**Madhya Pradesh:** Field surveys were conducted to monitor the pearl millet diseases. A total of 3.7 ha of area were surveyed for downy mildew, smut, and blast diseases. Overall, we did not observe any incidence of downy mildew. Smut incidence was recorded in traces, and the blast score was 7–10% in the surveyed fields (Table IV.16D).

**Hisar:** During Kharif 2024, the field survey included 6 districts. Downy mildew incidence in the fields ranged from 1 to 4% and blast from 1 to 5.6%; there was no smut, rust, and ergot observed (Table IV.16E).

**Maharashtra:** The Kharif 2024 field survey revealed that blast and rust, ergot, and smut were the most prevalent diseases, with rust and blast accounting for the highest incidences (1–70%) and rust (1–40%) recorded.

**Dhule:** a pearl millet field survey was conducted in 3 different districts; in the fields, blast ranged from 1 to 1–70%, rust was 1 to 1–20%, ergot was 0 to 1%, and smut 0 to 5% were observed. There was no downy mildew disease observed in the farmers' field (Table IV.16F).

**Aurangabad:** A pearl millet field survey was conducted in 4 different districts. Downy mildew incidence in the fields ranged from 1% to 6%; rust was 1–16%; and ergot was 1 to 6%. There was no blast, and smut disease incidence was observed in the farmers' fields (Table IV.16G).

**Karnataka:** A survey conducted in Karnataka during Kharif 2024 assessed the prevalence of downy mildew, blast, rust, and ergot in around 70 hectares of pearl millet crops across four districts, namely Bagalkote, Bijapur, Bellary, and Koppala, to assess the prevalence of downy mildew, blast, rust, and ergot. The results showed varying degrees of disease presence, with most fields having moderate to less rainfall and legume intercropping. Hybrids in Karnataka showed minimal downy mildew incidence, with an average of 1-9% and blast incidence of up to 21%. Ergot severity ranged from 0 to 1%, and rust incidence was 5 to 20% (Table IV.16H).

**Tamil Nadu:** During Kharif 2024, the field survey included 5 districts. Downy mildew incidence in the fields ranged from 1 to 8%; rust was 1 to 12%; and ergot was 1 to 8% (Table IV.16-I).

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Table IV.B: An Overview of Downy Mildew Disease Reaction of Initial Pearl Millet Hybrids and Varieties at Different Centres - PMPT I

Range of DM incidence (%)	No. of entries showing mean disease incidence at Zone A and B																	
	Zone A										Zone B							
	MDR		JPR		HSR		JMR		GJR		MYS		DHL		ABD1		CBE	
	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS
>0-5	113	102	111	100	109	107	111	98	114	112	110	94	99	99	110	108	114	114
>5-10	1	12	2	3	4	3	3	8	0	2	3	17	11	11	4	5	0	0
>10-25	0	0	1	1	1	4	0	7	0	0	1	2	2	2	0	1	0	0
>25	0	0	0	0	0	0	0	1	0	0	0	1	2	2	0	0	0	0

Table IV. C: An Overview of Downy Mildew Disease Reaction of Advanced Pearl Millet Hybrids and Varieties at Different Centres - PMPT II

Range of DM incidence (%)	No. of entries showing mean disease incidence at Zone A and B																			
	Zone A										Zone B									
	MDR		JPR		HSR		JMR		GLR		MYS		DHL		ABD1		CBE		PTR	
	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS
>0-5	49	48	46	46	48	48	49	46	48	47	49	44	44	44	49	49	49	49	40	34
>5-10	0	1	3	3	1	1	0	3	1	2	0	5	5	5	0	0	0	0	6	6
>10-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8
>25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Table IV.D: An Overview of Downy Mildew Disease Reaction of Initial Pearl Millet Hybrids and Varieties at Different Centres - PMPT III

Range of DM incidence (%)	No. of entries showing mean disease incidence at Zone A and B																	
	Zone A										Zone B							
	MDR		JPR		HSR		JMR		GLR		MYS		DHL		ABD1		CBE	
	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS	30 DAS	60 DAS
>0-5	37	36	34	34	36	36	37	32	30	28	37	37	37	36	29	29	36*	36*
>5-10	0	1	3	3	1	1	0	3	7	9	0	0	0	1	8	8	0	0
>10-25	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
>25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

\*one entry not germinated

Disease categorations

Downy Mildew

0-5%: Resistant  
5-10%: Moderately Resistant  
10-25%: Susceptible  
>25%: Highly Susceptible

Blast

Score (0) Highly resistant  
0.1-3: Resistant  
>3-5: Moderately Resistant  
>5-7: Susceptible  
>7-9: Highly Susceptible

Rust

0-20%: Resistant  
>20%: Susceptible

Smut

0-20%: Resistant  
>20%: Susceptible

Ergot

0-20%: Resistant  
>20%: Susceptible



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Table IV.1: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 30 DAS-Kharif 2024															
Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
<b>IR I</b>		<b>72.6</b>	<b>76.3</b>	<b>91.9</b>	<b>71.4</b>	<b>70.6</b>	<b>85.3</b>	<b>95.2</b>	<b>83.8</b>	<b>93.9</b>	<b>80.2</b>	<b>76.6</b>	<b>89.5</b>	<b>82.3</b>	<b>95.2</b>
<b>IRII</b>		<b>71.2</b>	<b>77.5</b>	<b>91.3</b>	<b>65.7</b>	<b>11.0</b>	<b>88.0</b>	<b>65.0</b>	<b>73.8</b>	<b>88.7</b>	<b>80.0</b>	<b>63.3</b>	<b>78.9</b>	<b>70.2</b>	<b>88.7</b>
PIT 101	MH 2811	2.4	0.0	0.0	0.0	1.6	2.0	0.0	0.0	1.7	0.8	0.8	0.9	0.9	2.0
PIT 102	MH 2812	2.4	0.0	0.0	0.0	0.0	5.2	6.5	2.6	0.0	0.8	0.5	3.6	1.9	6.5
PIT 103	MH 2813	1.6	0.0	0.0	0.0	1.5	2.0	0.0	0.0	0.0	0.5	0.6	0.5	0.6	2.0
PIT 104	MH 2814	0.0	0.0	0.0	0.0	0.0	4.0	5.3	0.0	0.0	0.0	0.0	2.3	1.0	5.3
PIT 105	MH 2815	3.6	4.3	0.0	0.0	1.3	3.0	0.0	1.3	0.0	2.6	1.8	1.1	1.5	3.0
<b>IR I</b>		<b>73.1</b>	<b>75.0</b>	<b>97.1</b>	<b>66.2</b>	<b>68.2</b>	<b>87.0</b>	<b>100.0</b>	<b>71.3</b>	<b>92.7</b>	<b>81.7</b>	<b>75.9</b>	<b>87.7</b>	<b>81.2</b>	<b>100.0</b>
<b>IRII</b>		<b>69.8</b>	<b>70.3</b>	<b>93.8</b>	<b>62.1</b>	<b>8.1</b>	<b>85.2</b>	<b>63.8</b>	<b>73.1</b>	<b>95.7</b>	<b>78.0</b>	<b>60.8</b>	<b>79.5</b>	<b>69.1</b>	<b>95.7</b>
PIT 106	MH 2816	2.9	0.0	0.0	1.5	0.0	3.0	3.0	5.3	0.0	1.0	0.9	2.8	1.7	5.3
PIT 107	MH 2817	0.0	1.3	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.4	0.3	0.5	0.4	2.0
PIT 108	MH 2818	1.2	2.5	0.0	5.7	0.0	3.0	2.2	0.0	1.6	1.2	1.9	1.7	1.8	3.0
PIT 109	MH 2819	1.3	0.0	3.3	0.0	3.0	4.0	5.3	0.0	0.0	1.5	1.5	2.3	1.9	5.3
PIT 110	MH 2820	2.6	0.0	0.0	0.0	0.0	2.0	0.0	1.3	0.0	0.9	0.5	0.8	0.7	2.0
<b>IR I</b>		<b>73.8</b>	<b>69.7</b>	<b>92.6</b>	<b>66.2</b>	<b>79.1</b>	<b>84.0</b>	<b>100.0</b>	<b>72.5</b>	<b>97.0</b>	<b>78.7</b>	<b>76.3</b>	<b>88.4</b>	<b>81.6</b>	<b>100.0</b>
<b>IRII</b>		<b>72.0</b>	<b>60.1</b>	<b>96.6</b>	<b>57.9</b>	<b>10.1</b>	<b>81.0</b>	<b>71.9</b>	<b>72.2</b>	<b>90.1</b>	<b>76.2</b>	<b>59.3</b>	<b>78.8</b>	<b>68.0</b>	<b>90.1</b>
PIT 111	MH 2821	3.2	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.6	1.1	0.6	0.6	0.6	1.6
PIT 112	MH 2822	3.1	0.0	0.0	2.1	0.0	4.0	4.7	0.0	0.0	1.0	1.1	2.2	1.5	4.7
PIT 113	MH 2823	1.6	0.0	7.7	2.7	0.0	3.0	0.0	0.0	0.0	3.1	2.4	0.8	1.7	3.1
PIT 114	MH 2824	0.0	1.3	3.4	8.2	0.0	5.0	0.0	1.3	0.0	1.6	2.6	1.6	2.1	5.0
PIT 115	MH 2825	2.5	1.3	4.0	2.1	2.8	4.0	0.2	0.0	0.0	2.6	2.5	1.1	1.9	4.0
<b>IR I</b>		<b>74.7</b>	<b>71.3</b>	<b>97.7</b>	<b>70.6</b>	<b>64.5</b>	<b>83.5</b>	<b>100.0</b>	<b>84.8</b>	<b>94.9</b>	<b>81.2</b>	<b>75.8</b>	<b>90.8</b>	<b>82.4</b>	<b>100.0</b>
<b>IRII</b>		<b>72.3</b>	<b>70.7</b>	<b>89.3</b>	<b>67.1</b>	<b>11.3</b>	<b>81.7</b>	<b>66.2</b>	<b>74.0</b>	<b>0.0</b>	<b>77.4</b>	<b>62.1</b>	<b>55.5</b>	<b>59.2</b>	<b>81.7</b>
PIT 116	MH 2826	1.5	1.3	0.0	0.0	0.0	2.0	0.0	2.8	0.0	0.9	0.5	1.2	0.8	2.8
PIT 117	MH 2827	2.9	0.0	4.3	0.0	0.0	3.0	15.0	6.3	0.0	2.4	1.5	6.1	3.5	15.0
PIT 118	MH 2828	2.2	11.7	0.0	0.0	0.0	15.0	20.3	8.8	0.0	4.6	2.8	11.0	6.4	20.3
PIT 119	MH 2829	0.0	1.3	0.0	0.0	0.0	2.0	1.0	2.6	0.0	0.4	0.3	1.4	0.8	2.6
PIT 120	MH 2830	3.5	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	1.2	0.7	0.8	0.7	3.0
<b>IR I</b>		<b>72.5</b>	<b>76.7</b>	<b>93.1</b>	<b>72.4</b>	<b>67.6</b>	<b>78.5</b>	<b>98.0</b>	<b>83.8</b>	<b>93.8</b>	<b>80.8</b>	<b>76.5</b>	<b>88.5</b>	<b>81.8</b>	<b>98.0</b>
<b>IR II</b>		<b>69.2</b>	<b>68.9</b>	<b>94.7</b>	<b>60.3</b>	<b>12.0</b>	<b>79.2</b>	<b>74.0</b>	<b>73.8</b>	<b>88.2</b>	<b>77.6</b>	<b>61.0</b>	<b>78.8</b>	<b>68.9</b>	<b>88.2</b>
PIT 121	MH 2831	5.5	0.0	0.0	0.0	1.4	3.0	0.0	0.0	0.0	1.8	1.4	0.8	1.1	3.0

CHAPTER IV: PLANT PATHOLOGY

Table IV.1: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 30 DAS-Kharif 2024															
Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 122	MH 2832	1.9	0.0	0.0	0.0	0.0	2.0	0.9	0.0	0.0	0.6	0.4	0.7	0.5	2.0
PIT 123	MH 2833	0.0	0.0	0.0	0.0	1.3	1.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	1.3
PIT 124	MH 2834	1.4	0.0	0.0	0.0	0.0	1.0	0.0	1.4	0.0	0.5	0.3	0.6	0.4	1.4
PIT 125	MH 2835	2.3	0.0	0.0	0.0	1.6	2.0	0.0	0.0	0.0	0.8	0.8	0.5	0.6	2.0
<b>IR I</b>		<b>72.0</b>	<b>76.3</b>	<b>93.2</b>	<b>62.5</b>	<b>74.2</b>	<b>80.1</b>	<b>97.9</b>	<b>83.5</b>	<b>94.2</b>	<b>80.5</b>	<b>75.6</b>	<b>88.9</b>	<b>81.5</b>	<b>97.9</b>
<b>IR II</b>		<b>69.4</b>	<b>77.5</b>	<b>84.8</b>	<b>49.1</b>	<b>9.7</b>	<b>82.5</b>	<b>65.5</b>	<b>87.3</b>	<b>88.3</b>	<b>77.3</b>	<b>58.1</b>	<b>80.9</b>	<b>68.2</b>	<b>88.3</b>
PIT 126	MH 2836	1.8	0.0	0.0	0.0	0.0	3.0	5.8	0.0	0.0	0.6	0.4	2.2	1.2	5.8
PIT 127	MH 2837	2.0	2.5	0.0	0.0	1.6	4.0	4.9	0.0	0.0	1.5	1.2	2.2	1.7	4.9
PIT 128	MH 2838	1.8	0.0	0.0	0.0	1.4	2.0	2.4	0.0	0.0	0.6	0.6	1.1	0.8	2.4
PIT 129	MH 2839	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.4	0.0	0.0	0.0	0.6	0.3	1.4
PIT 130	MH 2840	1.5	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	1.0
<b>IR I</b>		<b>74.4</b>	<b>70.3</b>	<b>91.9</b>	<b>61.7</b>	<b>60.9</b>	<b>83.5</b>	<b>63.0</b>	<b>78.8</b>	<b>92.6</b>	<b>78.8</b>	<b>71.8</b>	<b>79.4</b>	<b>75.2</b>	<b>92.6</b>
<b>IR II</b>		<b>70.5</b>	<b>68.5</b>	<b>97.1</b>	<b>55.7</b>	<b>11.5</b>	<b>80.0</b>	<b>84.9</b>	<b>75.0</b>	<b>95.0</b>	<b>78.7</b>	<b>60.7</b>	<b>83.7</b>	<b>70.9</b>	<b>95.0</b>
PIT 131	MH 2841	5.0	0.0	0.0	0.0	0.0	2.0	0.9	0.0	0.0	1.7	1.0	0.7	0.9	2.0
PIT 132	MH 2842	1.5	0.0	3.2	0.0	0.0	2.0	0.0	0.0	0.0	1.6	0.9	0.5	0.7	2.0
PIT 133	MH 2843	1.6	1.3	0.0	0.0	0.0	3.0	0.8	0.0	0.0	0.9	0.6	1.0	0.7	3.0
PIT 134	MH 2844	0.0	0.0	0.0	0.0	1.4	2.0	1.9	0.0	0.0	0.0	0.3	1.0	0.6	2.0
PIT 135	MH 2845	2.8	0.0	0.0	0.0	0.0	2.0	1.0	1.3	0.0	0.9	0.6	1.1	0.8	2.0
<b>IR I</b>		<b>74.7</b>	<b>71.3</b>	<b>91.7</b>	<b>73.3</b>	<b>78.0</b>	<b>77.2</b>	<b>98.3</b>	<b>77.6</b>	<b>93.5</b>	<b>79.2</b>	<b>77.8</b>	<b>86.7</b>	<b>81.7</b>	<b>98.3</b>
<b>IR II</b>		<b>72.0</b>	<b>66.5</b>	<b>91.2</b>	<b>61.5</b>	<b>14.1</b>	<b>79.5</b>	<b>57.4</b>	<b>92.8</b>	<b>89.3</b>	<b>76.5</b>	<b>61.0</b>	<b>79.7</b>	<b>69.4</b>	<b>92.8</b>
PIT 136	MH 2846	1.6	0.0	0.0	0.0	0.0	1.0	1.5	1.3	0.0	0.5	0.3	0.9	0.6	1.5
PIT 137	MH 2847	1.7	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.6	0.3	0.5	0.4	2.0
PIT 138	MH 2848	2.9	0.0	0.0	1.8	0.0	2.0	0.0	0.0	0.0	1.0	0.9	0.5	0.7	2.0
PIT 139	MH 2849	3.7	7.5	0.0	0.0	0.0	3.0	2.0	0.0	0.0	3.7	2.2	1.3	1.8	3.7
PIT 140	MH 2850	2.8	1.3	0.0	0.0	0.0	3.0	2.4	0.0	0.0	1.3	0.8	1.4	1.1	3.0
<b>IR I</b>		<b>74.4</b>	<b>66.5</b>	<b>100.0</b>	<b>61.0</b>	<b>69.0</b>	<b>81.5</b>	<b>100.0</b>	<b>72.5</b>	<b>94.3</b>	<b>80.3</b>	<b>74.2</b>	<b>87.1</b>	<b>79.9</b>	<b>100.0</b>
<b>IR II</b>		<b>71.8</b>	<b>70.5</b>	<b>96.3</b>	<b>54.7</b>	<b>9.2</b>	<b>83.5</b>	<b>60.5</b>	<b>89.3</b>	<b>91.0</b>	<b>79.5</b>	<b>60.5</b>	<b>81.1</b>	<b>69.7</b>	<b>91.0</b>
PIT 141	MH 2851	4.4	1.3	0.0	3.3	0.0	3.0	3.7	0.0	0.0	1.9	1.8	1.7	1.7	3.7
PIT 142	MH 2852	1.9	0.0	0.0	1.5	0.0	2.0	2.5	0.0	0.0	0.6	0.7	1.1	0.9	2.5
PIT 143	MH 2853	2.3	0.0	0.0	0.0	0.0	2.0	2.1	0.0	0.0	0.8	0.5	1.0	0.7	2.1
PIT 144	MH 2854	1.5	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	1.0

CHAPTER IV: PLANT PATHOLOGY

Table IV.1: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 30 DAS-Kharif 2024															
Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 145	MH 2855	2.5	0.0	0.0	0.0	0.0	1.0	0.0	1.3	0.0	0.8	0.5	0.6	0.5	1.3
<b>IR I</b>		<b>73.3</b>	<b>69.2</b>	<b>92.0</b>	<b>68.9</b>	<b>63.1</b>	<b>82.0</b>	<b>98.2</b>	<b>75.0</b>	<b>92.0</b>	<b>78.2</b>	<b>73.3</b>	<b>86.8</b>	<b>79.3</b>	<b>98.2</b>
<b>IR II</b>		<b>70.7</b>	<b>64.5</b>	<b>90.9</b>	<b>56.7</b>	<b>7.1</b>	<b>81.0</b>	<b>62.9</b>	<b>88.4</b>	<b>90.6</b>	<b>75.4</b>	<b>58.0</b>	<b>80.7</b>	<b>68.1</b>	<b>90.6</b>
PIT 146	MH 2856	2.0	1.4	0.0	0.0	0.0	2.0	1.9	0.0	0.0	1.1	0.7	1.0	0.8	2.0
PIT 147	MH 2857	1.6	0.0	0.0	0.0	0.0	4.0	9.1	2.8	0.0	0.5	0.3	4.0	1.9	9.1
PIT 148	MH 2858	1.6	0.0	2.7	0.0	1.4	6.0	25.6	0.0	0.0	1.4	1.1	7.9	4.1	25.6
PIT 149	MH 2859	1.5	2.5	0.0	5.2	0.0	4.0	3.3	0.0	0.0	1.3	1.8	1.8	1.8	4.0
PIT 150	MH 2860	3.3	3.2	0.0	0.0	0.0	3.0	3.1	0.0	0.0	2.2	1.3	1.5	1.4	3.1
<b>IR I</b>		<b>72.8</b>	<b>70.3</b>	<b>93.3</b>	<b>68.9</b>	<b>71.0</b>	<b>80.0</b>	<b>100.0</b>	<b>87.0</b>	<b>91.0</b>	<b>78.8</b>	<b>75.2</b>	<b>89.5</b>	<b>81.6</b>	<b>100.0</b>
<b>IR II</b>		<b>70.3</b>	<b>68.5</b>	<b>92.0</b>	<b>64.4</b>	<b>12.9</b>	<b>80.2</b>	<b>68.2</b>	<b>76.3</b>	<b>93.5</b>	<b>76.9</b>	<b>61.6</b>	<b>79.6</b>	<b>69.6</b>	<b>93.5</b>
PIT 151	MH 2861	4.1	0.0	0.0	0.0	0.0	3.0	3.8	0.0	1.6	1.4	0.8	2.1	1.4	3.8
PIT 152	MH 2862	1.9	0.0	0.0	0.0	0.0	2.0	5.8	0.0	0.0	0.6	0.4	2.0	1.1	5.8
PIT 153	MH 2863	1.6	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.5	0.3	0.5	0.4	2.0
PIT 154	MH 2864	1.3	0.0	0.0	0.0	0.0	3.0	3.7	0.0	0.0	0.4	0.3	1.7	0.9	3.7
PIT 155	MH 2865	1.2	0.0	0.0	0.0	0.0	3.0	3.1	0.0	0.0	0.4	0.2	1.5	0.8	3.1
<b>IR I</b>		<b>71.4</b>	<b>76.3</b>	<b>97.0</b>	<b>67.3</b>	<b>72.1</b>	<b>80.0</b>	<b>100.0</b>	<b>78.8</b>	<b>93.5</b>	<b>81.5</b>	<b>76.8</b>	<b>88.1</b>	<b>81.8</b>	<b>100.0</b>
<b>IR II</b>		<b>70.5</b>	<b>77.5</b>	<b>87.9</b>	<b>65.3</b>	<b>9.5</b>	<b>81.0</b>	<b>53.3</b>	<b>94.4</b>	<b>90.6</b>	<b>78.6</b>	<b>62.1</b>	<b>79.8</b>	<b>70.0</b>	<b>94.4</b>
PIT 156	MH 2866	1.9	2.5	0.0	0.0	0.0	1.0	1.1	1.4	0.0	1.5	0.9	0.9	0.9	1.5
PIT 157	MH 2867	2.2	0.0	0.0	1.9	0.0	1.0	0.0	0.0	0.0	0.7	0.8	0.3	0.6	1.0
PIT 158	MH 2868	2.0	0.0	0.0	0.0	0.0	1.0	1.4	1.3	0.0	0.7	0.4	0.9	0.6	1.4
PIT 159	MH 2869	1.9	2.5	0.0	0.0	1.4	2.0	2.7	0.0	0.0	1.5	1.2	1.2	1.2	2.7
PIT 160	MH 2870	3.1	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	1.0	0.6	0.5	0.6	2.0
<b>IR I</b>		<b>71.4</b>	<b>75.0</b>	<b>90.9</b>	<b>68.3</b>	<b>74.6</b>	<b>82.0</b>	<b>100.0</b>	<b>71.3</b>	<b>95.3</b>	<b>79.1</b>	<b>76.1</b>	<b>87.1</b>	<b>81.0</b>	<b>100.0</b>
<b>IR II</b>		<b>69.7</b>	<b>70.3</b>	<b>100.0</b>	<b>68.7</b>	<b>11.9</b>	<b>81.0</b>	<b>73.5</b>	<b>86.8</b>	<b>86.9</b>	<b>80.0</b>	<b>64.1</b>	<b>82.1</b>	<b>72.1</b>	<b>86.9</b>
PIT 161	MH 2871	3.9	0.0	0.0	0.0	0.0	3.0	0.9	1.3	0.0	1.3	0.8	1.3	1.0	3.0
PIT 162	MH 2872	1.9	2.5	5.4	4.3	1.5	3.0	2.1	0.0	0.0	3.2	3.1	1.3	2.3	3.2
PIT 163	MH 2873	2.1	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.7	0.4	0.3	0.3	1.0
PIT 164	MH 2874	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	1.0
PIT 165	MH 2875	1.4	0.0	0.0	0.0	0.0	1.0	0.8	0.0	0.0	0.5	0.3	0.5	0.4	1.0
<b>IR I</b>		<b>72.4</b>	<b>69.7</b>	<b>91.7</b>	<b>64.3</b>	<b>77.9</b>	<b>89.0</b>	<b>94.7</b>	<b>74.6</b>	<b>93.9</b>	<b>77.9</b>	<b>75.2</b>	<b>88.1</b>	<b>80.9</b>	<b>94.7</b>
<b>IR II</b>		<b>70.9</b>	<b>60.1</b>	<b>100.0</b>	<b>67.6</b>	<b>7.9</b>	<b>86.0</b>	<b>70.0</b>	<b>83.1</b>	<b>90.7</b>	<b>77.0</b>	<b>61.3</b>	<b>82.5</b>	<b>70.7</b>	<b>90.7</b>

CHAPTER IV: PLANT PATHOLOGY

Table IV.1: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 30 DAS-Kharif 2024															
Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 166	MH 2876	1.2	0.0	0.0	0.0	0.0	1.0	0.0	1.3	0.0	0.4	0.2	0.6	0.4	1.3
PIT 167	MH 2877	1.2	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.4	0.2	0.3	0.2	1.0
PIT 168	MH 2878	0.0	0.0	3.7	0.0	0.0	2.0	0.9	0.0	0.0	1.2	0.7	0.7	0.7	2.0
PIT 169	MH 2879	1.4	0.0	0.0	0.0	0.0	2.0	6.8	0.0	0.0	0.5	0.3	2.2	1.1	6.8
PIT 170	MH 2880	4.0	0.0	0.0	0.0	0.0	1.0	4.6	0.0	0.0	1.3	0.8	1.4	1.1	4.6
<b>IR I</b>		<b>71.3</b>	<b>71.3</b>	<b>87.9</b>	<b>60.7</b>	<b>75.8</b>	<b>87.0</b>	<b>96.4</b>	<b>71.3</b>	<b>91.1</b>	<b>76.8</b>	<b>73.4</b>	<b>86.4</b>	<b>79.2</b>	<b>96.4</b>
<b>IR II</b>		<b>70.5</b>	<b>70.7</b>	<b>90.9</b>	<b>53.7</b>	<b>7.4</b>	<b>89.0</b>	<b>80.0</b>	<b>71.3</b>	<b>94.1</b>	<b>77.4</b>	<b>58.6</b>	<b>83.6</b>	<b>69.7</b>	<b>94.1</b>
PIT 171	MH 2881	3.6	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.2	0.7	0.3	0.5	1.2
PIT 172	MH 2882	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	1.0
PIT 173	MH 2883	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 174	MH 2884	2.5	3.0	0.0	0.0	0.0	2.0	0.0	0.0	1.6	1.8	1.1	0.9	1.0	2.0
PIT 175	MH 2885	1.3	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.4	0.4	0.3	0.6	0.4	1.4
<b>IR I</b>		<b>70.8</b>	<b>76.3</b>	<b>94.4</b>	<b>58.9</b>	<b>78.3</b>	<b>86.0</b>	<b>82.2</b>	<b>71.3</b>	<b>92.3</b>	<b>80.5</b>	<b>75.8</b>	<b>82.9</b>	<b>79.0</b>	<b>92.3</b>
<b>IR II</b>		<b>70.0</b>	<b>77.5</b>	<b>96.8</b>	<b>53.7</b>	<b>8.9</b>	<b>86.0</b>	<b>67.3</b>	<b>76.0</b>	<b>91.5</b>	<b>81.4</b>	<b>61.4</b>	<b>80.2</b>	<b>69.7</b>	<b>91.5</b>
PIT 176	MH 2886	1.4	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	1.0
PIT 177	MP 640	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	1.0
PIT 178	MP 641	2.1	2.5	0.0	0.0	1.4	1.0	2.7	0.0	1.7	1.5	1.2	1.3	1.3	2.7
PIT 179	MP 642	0.0	0.0	0.0	0.0	4.9	2.0	0.0	0.0	0.0	0.0	1.0	0.5	0.8	4.9
PIT 180	MP 643	2.2	0.0	3.8	0.0	0.0	2.0	0.0	1.3	0.0	2.0	1.2	0.8	1.0	2.0
<b>IR I</b>		<b>71.8</b>	<b>75.0</b>	<b>86.7</b>	<b>62.3</b>	<b>76.7</b>	<b>88.0</b>	<b>99.0</b>	<b>71.3</b>	<b>95.5</b>	<b>77.8</b>	<b>74.5</b>	<b>88.4</b>	<b>80.7</b>	<b>99.0</b>
<b>IR II</b>		<b>67.1</b>	<b>70.3</b>	<b>89.7</b>	<b>52.9</b>	<b>13.0</b>	<b>90.0</b>	<b>71.3</b>	<b>75.3</b>	<b>95.6</b>	<b>75.7</b>	<b>58.6</b>	<b>83.1</b>	<b>69.5</b>	<b>95.6</b>
PIT 181	MP 644	4.4	0.0	2.9	0.0	1.5	3.0	0.0	6.3	0.0	2.5	1.8	2.3	2.0	6.3
PIT 182	MP 645	2.2	0.0	0.0	0.0	3.4	9.0	27.9	1.4	0.0	0.7	1.1	9.6	4.9	27.9
PIT 183	MP 646	0.0	0.0	5.3	0.0	1.7	4.0	6.9	1.3	0.0	1.8	1.4	3.0	2.1	6.9
PIT 184	MP 647	0.0	1.3	0.0	0.0	0.0	4.0	5.4	0.0	0.0	0.4	0.3	2.4	1.2	5.4
PIT 185	MP 648	2.9	1.4	0.0	1.6	0.0	5.0	7.0	1.3	0.0	1.4	1.2	3.3	2.1	7.0
<b>IR I</b>		<b>74.1</b>	<b>69.7</b>	<b>93.1</b>	<b>81.3</b>	<b>79.3</b>	<b>89.0</b>	<b>89.6</b>	<b>72.2</b>	<b>93.6</b>	<b>79.0</b>	<b>79.5</b>	<b>86.1</b>	<b>82.4</b>	<b>93.6</b>
<b>IR II</b>		<b>71.1</b>	<b>60.1</b>	<b>100.0</b>	<b>60.0</b>	<b>4.9</b>	<b>86.0</b>	<b>76.1</b>	<b>88.9</b>	<b>97.1</b>	<b>77.1</b>	<b>59.2</b>	<b>87.0</b>	<b>71.6</b>	<b>97.1</b>
PIT 186	MP 649	1.6	3.8	0.0	0.0	0.0	5.0	6.6	0.0	0.0	1.8	1.1	2.9	1.9	6.6
PIT 187	MP 650	1.4	1.3	2.6	1.8	0.0	3.0	4.7	0.0	0.0	1.8	1.4	1.9	1.6	4.7
PIT 188	MP 651	1.6	1.3	0.0	0.0	0.0	2.0	3.3	0.0	0.0	0.9	0.6	1.3	0.9	3.3

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Table IV.1: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 30 DAS-Kharif 2024															
Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 189	PB 1756	0.0	0.0	0.0	0.0	0.0	1.0	0.9	0.0	0.0	0.0	0.0	0.5	0.2	1.0
PIT 190	RHB 223	1.5	0.0	10.3	0.0	0.0	3.0	2.2	0.0	0.0	3.9	2.4	1.3	1.9	3.9
<b>IR I</b>		<b>74.4</b>	<b>71.3</b>	<b>94.4</b>	<b>75.7</b>	<b>78.3</b>	<b>87.0</b>	<b>96.7</b>	<b>71.3</b>	<b>93.9</b>	<b>80.0</b>	<b>78.8</b>	<b>87.2</b>	<b>82.6</b>	<b>96.7</b>
<b>IR II</b>		<b>70.5</b>	<b>70.7</b>	<b>96.8</b>	<b>67.7</b>	<b>10.8</b>	<b>84.0</b>	<b>80.4</b>	<b>72.5</b>	<b>95.2</b>	<b>79.3</b>	<b>63.3</b>	<b>83.0</b>	<b>72.1</b>	<b>95.2</b>
PIT 191	MPMH 35	0.0	7.5	0.0	3.6	0.0	3.0	0.0	0.0	0.0	2.5	2.2	0.8	1.6	3.0
PIT 192	HHB 67 Imp.	0.0	0.0	0.0	2.1	0.0	2.0	0.0	0.0	0.0	0.0	0.4	0.5	0.5	2.0
PIT 193	PB 1852	1.2	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.4	0.2	0.5	0.4	2.0
PIT 194	86M94	0.0	0.0	0.0	0.0	0.0	3.0	3.1	0.0	0.0	0.0	0.0	1.5	0.7	3.1
PIT 195	DHBH 1397	0.0	0.0	5.4	0.0	0.0	2.0	2.7	0.0	1.7	1.8	1.1	1.6	1.3	2.7
<b>IR I</b>		<b>73.4</b>	<b>75.0</b>	<b>100.0</b>	<b>59.2</b>	<b>76.8</b>	<b>88.0</b>	<b>99.0</b>	<b>74.0</b>	<b>94.0</b>	<b>82.8</b>	<b>76.9</b>	<b>88.8</b>	<b>82.2</b>	<b>99.0</b>
<b>IR II</b>		<b>71.8</b>	<b>70.3</b>	<b>94.3</b>	<b>63.8</b>	<b>6.8</b>	<b>90.0</b>	<b>72.5</b>	<b>92.5</b>	<b>95.4</b>	<b>78.8</b>	<b>61.4</b>	<b>87.6</b>	<b>73.0</b>	<b>95.4</b>
PIT 196	AHB 1269	1.5	0.0	0.0	0.0	0.0	2.0	1.8	0.0	0.0	0.5	0.3	1.0	0.6	2.0
PIT 197	Pratap	3.2	3.8	0.0	0.0	0.0	3.0	4.6	0.0	1.4	2.3	1.4	2.3	1.8	4.6
PIT 198	86M01	1.6	2.5	0.0	0.0	0.0	2.0	1.0	0.0	0.0	1.4	0.8	0.8	0.8	2.0
PIT 199	86M84	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	1.0
PIT 100	KBH 108	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.5	0.7	0.4	0.9	0.6	2.0
<b>IR I</b>		<b>71.8</b>	<b>70.3</b>	<b>94.1</b>	<b>67.7</b>	<b>79.7</b>	<b>89.0</b>	<b>94.6</b>	<b>79.7</b>	<b>94.1</b>	<b>78.7</b>	<b>76.7</b>	<b>89.4</b>	<b>82.3</b>	<b>94.6</b>
<b>IR II</b>		<b>69.4</b>	<b>68.5</b>	<b>88.9</b>	<b>62.1</b>	<b>9.2</b>	<b>88.5</b>	<b>68.1</b>	<b>80.3</b>	<b>95.4</b>	<b>75.6</b>	<b>59.6</b>	<b>83.1</b>	<b>70.1</b>	<b>95.4</b>
PIT 201	MP 7878	1.9	0.0	0.0	3.4	0.0	2.0	1.8	0.0	0.0	0.6	1.1	1.0	1.0	2.0
PIT 202	86M86	0.0	0.0	0.0	0.0	0.0	3.0	2.6	0.0	0.0	0.0	0.0	1.4	0.6	3.0
PIT 203	Kaveri S Boss	0.0	2.5	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.8	0.5	0.3	0.4	1.0
PIT 204	NBH 4903	1.5	1.3	0.0	1.6	0.0	2.0	0.0	3.9	0.0	0.9	0.9	1.5	1.1	3.9
PIT 205	AHB 1200	1.6	0.0	0.0	0.0	0.0	1.0	0.0	4.0	1.8	0.5	0.3	1.7	0.9	4.0
<b>IR I</b>		<b>72.6</b>	<b>76.3</b>	<b>90.9</b>	<b>73.8</b>	<b>73.8</b>	<b>88.0</b>	<b>99.0</b>	<b>81.0</b>	<b>95.6</b>	<b>79.9</b>	<b>77.5</b>	<b>90.9</b>	<b>83.4</b>	<b>99.0</b>
<b>IR II</b>		<b>71.2</b>	<b>77.5</b>	<b>96.7</b>	<b>64.6</b>	<b>8.8</b>	<b>90.0</b>	<b>59.3</b>	<b>87.0</b>	<b>92.7</b>	<b>81.8</b>	<b>63.8</b>	<b>82.3</b>	<b>72.0</b>	<b>92.7</b>
PIT 206	Raj 171	2.9	1.4	0.0	0.0	1.6	2.0	1.2	2.6	0.0	1.4	1.2	1.4	1.3	2.6
PIT 207	JBV 2	1.6	0.0	3.4	0.0	3.4	3.0	0.0	4.2	0.0	1.7	1.7	1.8	1.7	4.2
PIT 208	Dhanshakti	2.8	0.0	0.0	0.0	1.7	3.0	0.8	0.0	1.7	0.9	0.9	1.4	1.1	3.0
PIT 209	ICMV 221	1.4	0.0	3.8	0.0	0.0	2.0	0.9	0.0	0.0	1.8	1.1	0.7	0.9	2.0
PIT 210	Pusa Comp. 383	2.5	0.0	0.0	0.0	0.0	3.0	4.8	0.0	0.0	0.8	0.5	1.9	1.1	4.8
<b>IR I</b>		<b>74.4</b>	<b>78.3</b>	<b>85.7</b>	<b>71.4</b>	<b>81.4</b>	<b>87.0</b>	<b>100.0</b>	<b>71.3</b>	<b>93.7</b>	<b>79.4</b>	<b>78.2</b>	<b>88.0</b>	<b>82.6</b>	<b>100.0</b>

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Table IV.1: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 30 DAS-Kharif 2024															
Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
<b>IR II</b>		<b>70.4</b>	<b>75.5</b>	<b>85.7</b>	<b>69.7</b>	<b>10.5</b>	<b>85.0</b>	<b>72.3</b>	<b>81.6</b>	<b>90.5</b>	<b>77.2</b>	<b>62.4</b>	<b>82.4</b>	<b>71.3</b>	<b>90.5</b>
PIT 211	Pusa Comp. 701	1.4	3.8	0.0	3.6	1.4	2.0	2.5	3.8	0.0	1.7	2.0	2.1	2.1	3.8
PIT 212	ABV 04	1.4	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.5	0.3	0.8	0.5	2.0
PIT 213	Pusa Comp. 612	1.5	0.0	0.0	0.0	1.5	3.0	2.5	0.0	0.0	0.5	0.6	1.4	1.0	3.0
PIT 214	ICMV 155	3.1	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.7	1.0	0.6	1.2	0.9	3.0
<b>IR I</b>		<b>71.6</b>	<b>69.2</b>	<b>100.0</b>	<b>66.7</b>	<b>72.2</b>	<b>88.0</b>	<b>81.5</b>	<b>78.8</b>	<b>94.0</b>	<b>80.3</b>	<b>75.9</b>	<b>85.6</b>	<b>80.2</b>	<b>94.0</b>
<b>IR II</b>		<b>70.1</b>	<b>72.5</b>	<b>90.0</b>	<b>67.8</b>	<b>9.8</b>	<b>89.0</b>	<b>70.1</b>	<b>84.4</b>	<b>95.4</b>	<b>77.5</b>	<b>62.0</b>	<b>84.7</b>	<b>72.1</b>	<b>95.4</b>
	<b>Mean Entries</b>	<b>1.8</b>	<b>0.8</b>	<b>0.7</b>	<b>0.5</b>	<b>0.4</b>	<b>2.5</b>	<b>2.4</b>	<b>0.6</b>	<b>0.2</b>	<b>1.1</b>	<b>0.8</b>	<b>1.4</b>	<b>1.1</b>	<b>2.5</b>
	<b>Mean IR I</b>	<b>72.9</b>	72.8	93.4	67.5	73.5	84.6	95.1	76.5	93.8	<b>79.7</b>	<b>76.0</b>	<b>87.5</b>	<b>81.1</b>	<b>95.1</b>
	<b>Mean IR II</b>	<b>70.4</b>	70.3	93.2	67.5	73.5	84.6	95.1	76.5	93.8	<b>78.0</b>	<b>75.0</b>	<b>87.5</b>	<b>80.6</b>	<b>95.1</b>

IR - 7042S

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Table IV.2: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
<b>IR I</b>		<b>100.0</b>	<b>83.8</b>	<b>94.6</b>	<b>87.1</b>	<b>95.6</b>	<b>100.0</b>	<b>96.2</b>	<b>93.8</b>	<b>98.5</b>	<b>92.8</b>	<b>92.2</b>	<b>97.1</b>	<b>94.4</b>	<b>100.0</b>
<b>IRII</b>		<b>97.3</b>	<b>80.3</b>	<b>93.5</b>	<b>82.1</b>	<b>15.1</b>	<b>99.0</b>	<b>68.8</b>	<b>87.5</b>	<b>92.9</b>	<b>90.3</b>	<b>73.6</b>	<b>87.0</b>	<b>79.6</b>	<b>99.0</b>
PIT 101	MH 2811	3.7	0.0	0.0	0.0	4.9	5.0	1.0	0.0	4.9	1.2	1.7	2.7	2.2	5.0
PIT 102	MH 2812	3.7	0.0	0.0	0.0	0.0	8.0	6.5	3.8	0.0	1.2	0.7	4.6	2.4	8.0
PIT 103	MH 2813	1.6	0.0	0.0	0.0	1.5	4.0	0.0	0.0	0.0	0.5	0.6	1.0	0.8	4.0
PIT 104	MH 2814	2.6	0.0	0.0	0.0	0.0	6.0	5.3	0.0	0.0	0.9	0.5	2.8	1.5	6.0
PIT 105	MH 2815	5.4	5.7	0.0	0.0	3.8	6.0	0.0	1.3	0.0	3.7	3.0	1.8	2.5	6.0
<b>IR I</b>		<b>100.0</b>	<b>76.3</b>	<b>100.0</b>	<b>87.8</b>	<b>95.5</b>	<b>100.0</b>	<b>100.0</b>	<b>95.0</b>	<b>92.7</b>	<b>92.1</b>	<b>91.9</b>	<b>96.9</b>	<b>94.1</b>	<b>100.0</b>
<b>IRII</b>		<b>96.8</b>	<b>77.5</b>	<b>93.8</b>	<b>77.3</b>	<b>16.2</b>	<b>100.0</b>	<b>67.6</b>	<b>89.7</b>	<b>95.7</b>	<b>89.4</b>	<b>72.3</b>	<b>88.3</b>	<b>79.4</b>	<b>100.0</b>
PIT 106	MH 2816	2.9	0.0	0.0	4.6	0.0	4.0	3.0	6.6	0.0	1.0	1.5	3.4	2.3	6.6
PIT 107	MH 2817	1.3	1.3	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.8	0.5	1.0	0.7	4.0
PIT 108	MH 2818	3.7	3.8	0.0	14.3	0.0	5.0	4.4	1.4	3.0	2.5	4.4	3.5	4.0	5.0
PIT 109	MH 2819	3.9	0.0	13.3	0.0	3.0	6.0	5.3	0.0	0.0	5.7	4.1	2.8	3.5	6.0
PIT 110	MH 2820	3.9	0.0	0.0	0.0	0.0	6.0	0.0	1.3	0.0	1.3	0.8	1.8	1.2	6.0
<b>IR I</b>		<b>100.0</b>	<b>71.3</b>	<b>96.3</b>	<b>86.2</b>	<b>95.5</b>	<b>98.0</b>	<b>100.0</b>	<b>95.0</b>	<b>97.0</b>	<b>89.2</b>	<b>89.9</b>	<b>97.5</b>	<b>93.3</b>	<b>100.0</b>
<b>IRII</b>		<b>98.8</b>	<b>62.4</b>	<b>96.6</b>	<b>92.1</b>	<b>18.8</b>	<b>98.0</b>	<b>78.1</b>	<b>96.2</b>	<b>90.1</b>	<b>85.9</b>	<b>73.7</b>	<b>90.6</b>	<b>81.2</b>	<b>98.0</b>
PIT 111	MH 2821	4.8	0.0	0.0	0.0	0.0	4.0	0.0	0.0	3.1	1.6	1.0	1.8	1.3	4.0
PIT 112	MH 2822	4.7	0.0	0.0	10.6	0.0	5.0	4.7	1.4	0.0	1.6	3.1	2.8	2.9	5.0
PIT 113	MH 2823	4.8	0.0	19.2	12.0	0.0	6.0	0.0	0.0	0.0	8.0	7.2	1.5	4.7	8.0
PIT 114	MH 2824	0.0	1.3	3.4	16.3	0.0	5.0	0.0	2.6	0.0	1.6	4.2	1.9	3.2	5.0
PIT 115	MH 2825	3.7	1.3	16.0	4.2	2.8	4.0	0.2	0.0	0.0	7.0	5.6	1.1	3.6	7.0
<b>IR I</b>		<b>100.0</b>	<b>76.3</b>	<b>97.7</b>	<b>86.3</b>	<b>100.0</b>	<b>98.0</b>	<b>100.0</b>	<b>92.4</b>	<b>94.9</b>	<b>91.3</b>	<b>92.0</b>	<b>96.3</b>	<b>94.0</b>	<b>100.0</b>
<b>IRII</b>		<b>96.4</b>	<b>77.5</b>	<b>92.9</b>	<b>71.1</b>	<b>16.9</b>	<b>97.0</b>	<b>80.9</b>	<b>90.9</b>	<b>94.9</b>	<b>88.9</b>	<b>70.9</b>	<b>90.9</b>	<b>79.8</b>	<b>97.0</b>
PIT 116	MH 2826	1.5	1.3	0.0	0.0	0.0	4.0	1.1	4.2	0.0	0.9	0.5	2.3	1.3	4.2
PIT 117	MH 2827	4.4	0.0	4.3	0.0	0.0	8.0	15.0	7.5	0.0	2.9	1.8	7.6	4.4	15.0
PIT 118	MH 2828	6.5	13.3	0.0	72.9	0.0	31.0	27.5	11.3	0.0	6.6	18.6	17.4	18.1	31.0
PIT 119	MH 2829	1.4	2.5	0.0	0.0	1.4	4.0	1.0	2.6	0.0	1.3	1.1	1.9	1.4	4.0
PIT 120	MH 2830	3.5	0.0	0.0	0.0	0.0	4.0	1.1	0.0	0.0	1.2	0.7	1.3	0.9	4.0
<b>IR I</b>		<b>100.0</b>	<b>71.7</b>	<b>96.6</b>	<b>96.6</b>	<b>94.4</b>	<b>98.0</b>	<b>100.0</b>	<b>93.8</b>	<b>93.8</b>	<b>89.4</b>	<b>91.8</b>	<b>96.4</b>	<b>93.9</b>	<b>100.0</b>
<b>IR II</b>		<b>97.4</b>	<b>70.4</b>	<b>94.7</b>	<b>91.2</b>	<b>17.3</b>	<b>97.0</b>	<b>82.0</b>	<b>87.5</b>	<b>88.2</b>	<b>87.5</b>	<b>74.2</b>	<b>88.7</b>	<b>80.6</b>	<b>97.0</b>
PIT 121	MH 2831	7.3	0.0	0.0	0.0	1.4	6.0	0.0	0.0	0.0	2.4	1.7	1.5	1.6	6.0

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Table IV.2: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 122	MH 2832	3.7	0.0	0.0	0.0	0.0	4.0	0.9	0.0	0.0	1.2	0.7	1.2	1.0	4.0
PIT 123	MH 2833	0.0	0.0	0.0	0.0	1.3	2.0	0.0	0.0	0.0	0.0	0.3	0.5	0.4	2.0
PIT 124	MH 2834	2.9	0.0	0.0	0.0	0.0	3.0	0.0	1.4	0.0	1.0	0.6	1.1	0.8	3.0
PIT 125	MH 2835	4.6	0.0	0.0	0.0	3.1	4.0	0.0	0.0	0.0	1.5	1.5	1.0	1.3	4.0
<b>IR I</b>		<b>100.0</b>	<b>76.3</b>	<b>97.7</b>	<b>93.8</b>	<b>96.8</b>	<b>97.0</b>	<b>100.0</b>	<b>89.9</b>	<b>94.2</b>	<b>91.3</b>	<b>92.9</b>	<b>95.3</b>	<b>94.0</b>	<b>100.0</b>
<b>IR II</b>		<b>98.6</b>	<b>77.5</b>	<b>84.8</b>	<b>78.2</b>	<b>14.5</b>	<b>95.0</b>	<b>69.0</b>	<b>98.6</b>	<b>88.3</b>	<b>87.0</b>	<b>70.7</b>	<b>87.7</b>	<b>78.3</b>	<b>98.6</b>
PIT 126	MH 2836	3.6	0.0	0.0	0.0	0.0	5.0	5.8	0.0	0.0	1.2	0.7	2.7	1.6	5.8
PIT 127	MH 2837	2.0	2.5	0.0	0.0	3.1	6.0	4.9	0.0	0.0	1.5	1.5	2.7	2.1	6.0
PIT 128	MH 2838	1.8	0.0	0.0	0.0	4.2	4.0	2.4	0.0	0.0	0.6	1.2	1.6	1.4	4.2
PIT 129	MH 2839	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.4	0.0	0.0	0.0	0.8	0.4	2.0
PIT 130	MH 2840	1.5	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.5	0.3	0.5	0.4	2.0
<b>IR I</b>		<b>100.0</b>	<b>75.1</b>	<b>94.6</b>	<b>86.7</b>	<b>95.3</b>	<b>96.0</b>	<b>94.4</b>	<b>87.5</b>	<b>92.6</b>	<b>89.9</b>	<b>90.3</b>	<b>92.6</b>	<b>91.4</b>	<b>96.0</b>
<b>IR II</b>		<b>98.7</b>	<b>68.5</b>	<b>97.1</b>	<b>86.9</b>	<b>11.5</b>	<b>99.0</b>	<b>84.9</b>	<b>86.8</b>	<b>95.0</b>	<b>88.1</b>	<b>72.5</b>	<b>91.4</b>	<b>80.9</b>	<b>99.0</b>
PIT 131	MH 2841	6.3	0.0	0.0	0.0	0.0	4.0	0.9	0.0	0.0	2.1	1.3	1.2	1.2	4.0
PIT 132	MH 2842	3.0	0.0	3.2	0.0	0.0	4.0	0.0	0.0	0.0	2.1	1.3	1.0	1.1	4.0
PIT 133	MH 2843	3.2	1.3	0.0	0.0	0.0	5.0	0.8	0.0	1.6	1.5	0.9	1.9	1.3	5.0
PIT 134	MH 2844	1.9	0.0	0.0	0.0	2.7	3.0	1.9	0.0	1.4	0.6	0.9	1.6	1.2	3.0
PIT 135	MH 2845	4.2	0.0	0.0	0.0	0.0	5.0	1.0	1.3	0.0	1.4	0.8	1.8	1.3	5.0
<b>IR I</b>		<b>100.0</b>	<b>71.3</b>	<b>100.0</b>	<b>91.1</b>	<b>96.6</b>	<b>98.0</b>	<b>98.3</b>	<b>84.2</b>	<b>93.5</b>	<b>90.4</b>	<b>91.8</b>	<b>93.5</b>	<b>92.6</b>	<b>98.3</b>
<b>IR II</b>		<b>98.8</b>	<b>68.6</b>	<b>91.2</b>	<b>71.2</b>	<b>17.2</b>	<b>99.0</b>	<b>68.9</b>	<b>95.7</b>	<b>89.3</b>	<b>86.2</b>	<b>69.4</b>	<b>88.2</b>	<b>77.8</b>	<b>99.0</b>
PIT 136	MH 2846	3.2	0.0	0.0	0.0	0.0	3.0	1.5	1.3	0.0	1.1	0.6	1.4	1.0	3.0
PIT 137	MH 2847	3.5	0.0	0.0	0.0	0.0	4.0	2.4	0.0	0.0	1.2	0.7	1.6	1.1	4.0
PIT 138	MH 2848	4.3	0.0	0.0	10.7	0.0	4.0	0.0	1.3	1.8	1.4	3.0	1.8	2.5	4.0
PIT 139	MH 2849	5.6	10.0	0.0	0.0	0.0	6.0	2.0	0.0	0.0	5.2	3.1	2.0	2.6	6.0
PIT 140	MH 2850	4.2	1.3	0.0	0.0	0.0	5.0	4.9	0.0	0.0	1.8	1.1	2.5	1.7	5.0
<b>IR I</b>		<b>100.0</b>	<b>68.4</b>	<b>100.0</b>	<b>96.6</b>	<b>96.6</b>	<b>98.0</b>	<b>100.0</b>	<b>90.0</b>	<b>94.3</b>	<b>89.5</b>	<b>92.3</b>	<b>95.6</b>	<b>93.8</b>	<b>100.0</b>
<b>IR II</b>		<b>97.7</b>	<b>70.5</b>	<b>96.3</b>	<b>92.5</b>	<b>12.3</b>	<b>97.0</b>	<b>69.7</b>	<b>97.3</b>	<b>91.0</b>	<b>88.1</b>	<b>73.9</b>	<b>88.8</b>	<b>80.5</b>	<b>97.3</b>
PIT 141	MH 2851	6.5	1.3	0.0	8.2	0.0	5.0	3.7	0.0	0.0	2.6	3.2	2.2	2.7	5.0
PIT 142	MH 2852	1.9	0.0	3.6	2.9	0.0	3.0	2.5	2.9	0.0	1.8	1.7	2.1	1.9	3.0
PIT 143	MH 2853	2.3	0.0	0.0	0.0	0.0	3.0	3.1	0.0	0.0	0.8	0.5	1.5	0.9	3.1
PIT 144	MH 2854	1.5	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.5	0.3	1.0	0.6	4.0



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Table IV.2: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 145	MH 2855	2.5	0.0	0.0	0.0	0.0	3.0	0.0	1.3	0.0	0.8	0.5	1.1	0.8	3.0
<b>IR I</b>		<b>100.0</b>	<b>70.3</b>	<b>96.0</b>	<b>100.0</b>	<b>95.4</b>	<b>98.0</b>	<b>98.2</b>	<b>87.5</b>	<b>92.0</b>	<b>88.8</b>	<b>92.3</b>	<b>93.9</b>	<b>93.0</b>	<b>98.2</b>
<b>IR II</b>		<b>98.7</b>	<b>68.8</b>	<b>90.9</b>	<b>76.1</b>	<b>10.7</b>	<b>99.0</b>	<b>71.0</b>	<b>94.2</b>	<b>90.6</b>	<b>86.1</b>	<b>69.0</b>	<b>88.7</b>	<b>77.8</b>	<b>99.0</b>
PIT 146	MH 2856	2.0	1.4	0.0	0.0	0.0	6.0	4.8	0.0	0.0	1.1	0.7	2.7	1.6	6.0
PIT 147	MH 2857	3.1	0.0	0.0	0.0	0.0	7.0	9.1	4.3	0.0	1.0	0.6	5.1	2.6	9.1
PIT 148	MH 2858	4.7	0.0	2.7	5.1	1.4	16.0	25.6	0.0	0.0	2.5	2.8	10.4	6.2	25.6
PIT 149	MH 2859	3.0	2.5	0.0	12.1	0.0	5.0	3.3	0.0	0.0	1.8	3.5	2.1	2.9	5.0
PIT 150	MH 2860	5.0	3.2	0.0	0.0	0.0	5.0	3.1	0.0	0.0	2.7	1.6	2.0	1.8	5.0
<b>IR I</b>		<b>100.0</b>	<b>75.6</b>	<b>100.0</b>	<b>88.5</b>	<b>96.8</b>	<b>96.0</b>	<b>100.0</b>	<b>98.7</b>	<b>91.0</b>	<b>91.9</b>	<b>92.2</b>	<b>96.4</b>	<b>94.1</b>	<b>100.0</b>
<b>IR II</b>		<b>97.3</b>	<b>73.8</b>	<b>92.0</b>	<b>82.2</b>	<b>14.5</b>	<b>95.0</b>	<b>75.8</b>	<b>88.2</b>	<b>93.5</b>	<b>87.7</b>	<b>72.0</b>	<b>88.1</b>	<b>79.1</b>	<b>95.0</b>
PIT 151	MH 2861	6.1	0.0	0.0	0.0	0.0	4.0	3.8	0.0	1.6	2.0	1.2	2.3	1.7	4.0
PIT 152	MH 2862	3.9	0.0	0.0	4.4	0.0	5.0	5.8	0.0	0.0	1.3	1.7	2.7	2.1	5.8
PIT 153	MH 2863	3.1	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	1.0	0.6	0.8	0.7	3.0
PIT 154	MH 2864	1.3	0.0	0.0	0.0	0.0	4.0	3.7	0.0	0.0	0.4	0.3	1.9	1.0	4.0
PIT 155	MH 2865	1.2	0.0	0.0	0.0	0.0	4.0	3.1	0.0	0.0	0.4	0.2	1.8	0.9	4.0
<b>IR I</b>		<b>100.0</b>	<b>83.8</b>	<b>100.0</b>	<b>94.5</b>	<b>100.0</b>	<b>99.0</b>	<b>100.0</b>	<b>95.0</b>	<b>93.5</b>	<b>94.6</b>	<b>95.7</b>	<b>96.9</b>	<b>96.2</b>	<b>100.0</b>
<b>IR II</b>		<b>98.7</b>	<b>80.3</b>	<b>87.9</b>	<b>78.7</b>	<b>13.5</b>	<b>97.0</b>	<b>58.9</b>	<b>98.6</b>	<b>90.6</b>	<b>89.0</b>	<b>71.8</b>	<b>86.3</b>	<b>78.2</b>	<b>98.6</b>
PIT 156	MH 2866	3.7	2.5	0.0	0.0	0.0	3.0	1.1	1.4	0.0	2.1	1.2	1.4	1.3	3.0
PIT 157	MH 2867	4.4	0.0	0.0	1.9	0.0	3.0	0.0	0.0	0.0	1.5	1.3	0.8	1.0	3.0
PIT 158	MH 2868	2.0	0.0	0.0	0.0	0.0	2.0	1.4	1.3	0.0	0.7	0.4	1.2	0.7	2.0
PIT 159	MH 2869	3.9	2.5	0.0	0.0	2.9	3.0	2.7	0.0	0.0	2.1	1.8	1.4	1.7	3.0
PIT 160	MH 2870	4.7	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	1.6	0.9	1.0	1.0	4.0
<b>IR I</b>		<b>100.0</b>	<b>76.3</b>	<b>95.5</b>	<b>95.0</b>	<b>96.8</b>	<b>97.0</b>	<b>100.0</b>	<b>95.0</b>	<b>95.3</b>	<b>90.6</b>	<b>92.7</b>	<b>96.8</b>	<b>94.5</b>	<b>100.0</b>
<b>IR II</b>		<b>98.5</b>	<b>77.5</b>	<b>100.0</b>	<b>91.0</b>	<b>15.3</b>	<b>100.0</b>	<b>79.4</b>	<b>92.1</b>	<b>86.9</b>	<b>92.0</b>	<b>76.4</b>	<b>89.6</b>	<b>82.3</b>	<b>100.0</b>
PIT 161	MH 2871	5.9	0.0	0.0	0.0	0.0	4.0	0.9	1.3	1.4	2.0	1.2	1.9	1.5	4.0
PIT 162	MH 2872	3.7	3.8	5.4	8.7	2.9	4.0	2.1	0.0	0.0	4.3	4.9	1.5	3.4	4.9
PIT 163	MH 2873	4.2	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	1.4	0.8	0.5	0.7	2.0
PIT 164	MH 2874	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	1.0
PIT 165	MH 2875	1.4	0.0	0.0	0.0	0.0	2.0	0.8	0.0	0.0	0.5	0.3	0.7	0.5	2.0
<b>IR I</b>		<b>100.0</b>	<b>71.3</b>	<b>91.7</b>	<b>94.6</b>	<b>100.0</b>	<b>98.0</b>	<b>94.7</b>	<b>96.2</b>	<b>93.9</b>	<b>87.7</b>	<b>91.5</b>	<b>95.7</b>	<b>93.4</b>	<b>100.0</b>
<b>IR II</b>		<b>98.7</b>	<b>62.4</b>	<b>100.0</b>	<b>82.4</b>	<b>12.7</b>	<b>98.0</b>	<b>74.2</b>	<b>98.7</b>	<b>90.7</b>	<b>87.0</b>	<b>71.2</b>	<b>90.4</b>	<b>79.8</b>	<b>98.7</b>

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Table IV.2: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 166	MH 2876	1.2	0.0	0.0	0.0	0.0	2.0	0.0	1.3	0.0	0.4	0.2	0.8	0.5	2.0
PIT 167	MH 2877	2.4	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.8	0.5	0.5	0.5	2.0
PIT 168	MH 2878	0.0	0.0	3.7	0.0	0.0	3.0	0.9	0.0	0.0	1.2	0.7	1.0	0.8	3.0
PIT 169	MH 2879	4.1	0.0	0.0	3.0	0.0	5.0	6.8	0.0	0.0	1.4	1.4	3.0	2.1	6.8
PIT 170	MH 2880	5.3	0.0	0.0	0.0	0.0	3.0	4.6	0.0	0.0	1.8	1.1	1.9	1.4	4.6
<b>IR I</b>		<b>100.0</b>	<b>76.3</b>	<b>87.9</b>	<b>93.4</b>	<b>96.8</b>	<b>99.0</b>	<b>96.4</b>	<b>95.0</b>	<b>91.1</b>	<b>88.0</b>	<b>90.9</b>	<b>95.4</b>	<b>92.9</b>	<b>99.0</b>
<b>IR II</b>		<b>96.2</b>	<b>77.5</b>	<b>90.9</b>	<b>79.1</b>	<b>11.8</b>	<b>100.0</b>	<b>84.8</b>	<b>92.5</b>	<b>94.1</b>	<b>88.2</b>	<b>71.1</b>	<b>92.8</b>	<b>80.8</b>	<b>100.0</b>
PIT 171	MH 2881	4.8	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	1.6	1.0	0.8	0.9	3.0
PIT 172	MH 2882	1.8	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.6	0.4	0.8	0.5	3.0
PIT 173	MH 2883	1.9	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.6	0.4	0.5	0.4	2.0
PIT 174	MH 2884	5.0	3.0	0.0	0.0	0.0	3.0	0.0	0.0	1.6	2.7	1.6	1.1	1.4	3.0
PIT 175	MH 2885	1.3	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.9	0.4	0.3	1.7	0.9	4.0
<b>IR I</b>		<b>100.0</b>	<b>83.8</b>	<b>97.2</b>	<b>75.0</b>	<b>100.0</b>	<b>97.0</b>	<b>91.8</b>	<b>95.0</b>	<b>92.3</b>	<b>93.7</b>	<b>91.2</b>	<b>94.0</b>	<b>92.5</b>	<b>100.0</b>
<b>IR II</b>		<b>97.1</b>	<b>80.3</b>	<b>96.8</b>	<b>64.2</b>	<b>17.9</b>	<b>98.0</b>	<b>72.1</b>	<b>93.3</b>	<b>91.5</b>	<b>91.4</b>	<b>71.3</b>	<b>88.7</b>	<b>79.0</b>	<b>98.0</b>
PIT 176	MH 2886	1.4	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.5	0.3	0.5	0.4	2.0
PIT 177	MP 640	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	2.0
PIT 178	MP 641	4.2	3.8	0.0	0.0	2.8	4.0	2.7	0.0	1.7	2.6	2.1	2.1	2.1	4.0
PIT 179	MP 642	0.0	0.0	0.0	0.0	6.6	4.0	0.0	0.0	0.0	0.0	1.3	1.0	1.2	6.6
PIT 180	MP 643	6.7	0.0	3.8	0.0	0.0	3.0	1.8	2.5	0.0	3.5	2.1	1.8	2.0	3.5
<b>IR I</b>		<b>100.0</b>	<b>76.3</b>	<b>93.3</b>	<b>85.2</b>	<b>96.7</b>	<b>98.0</b>	<b>99.0</b>	<b>76.3</b>	<b>95.5</b>	<b>89.9</b>	<b>90.3</b>	<b>92.2</b>	<b>91.1</b>	<b>99.0</b>
<b>IR II</b>		<b>98.6</b>	<b>77.5</b>	<b>93.1</b>	<b>89.7</b>	<b>18.5</b>	<b>99.0</b>	<b>71.3</b>	<b>78.1</b>	<b>95.6</b>	<b>89.7</b>	<b>75.5</b>	<b>86.0</b>	<b>80.2</b>	<b>99.0</b>
PIT 181	MP 644	6.7	0.0	2.9	0.0	1.5	7.0	0.0	7.5	0.0	3.2	2.2	3.6	2.8	7.5
PIT 182	MP 645	4.4	0.0	0.0	0.0	5.1	19.0	28.9	2.8	0.0	1.5	1.9	12.7	6.7	28.9
PIT 183	MP 646	3.3	0.0	5.3	0.0	1.7	7.0	7.9	1.3	0.0	2.8	2.0	4.0	2.9	7.9
PIT 184	MP 647	2.1	1.3	0.0	3.4	0.0	6.0	5.4	0.0	0.0	1.1	1.3	2.9	2.0	6.0
PIT 185	MP 648	2.9	1.4	0.0	3.2	0.0	8.0	7.0	1.3	0.0	1.4	1.5	4.1	2.6	8.0
<b>IR I</b>		<b>100.0</b>	<b>71.3</b>	<b>96.6</b>	<b>73.4</b>	<b>94.8</b>	<b>99.0</b>	<b>92.5</b>	<b>96.2</b>	<b>93.6</b>	<b>89.3</b>	<b>87.2</b>	<b>95.3</b>	<b>90.8</b>	<b>99.0</b>
<b>IR II</b>		<b>97.6</b>	<b>62.4</b>	<b>100.0</b>	<b>71.7</b>	<b>11.5</b>	<b>96.0</b>	<b>85.2</b>	<b>93.1</b>	<b>97.1</b>	<b>86.7</b>	<b>68.6</b>	<b>92.8</b>	<b>79.4</b>	<b>97.1</b>
PIT 186	MP 649	4.7	5.0	0.0	0.0	3.6	6.0	6.6	1.3	0.0	3.2	2.7	3.5	3.0	6.6
PIT 187	MP 650	2.7	1.3	2.6	7.1	0.0	5.0	4.7	0.0	0.0	2.2	2.7	2.4	2.6	5.0
PIT 188	MP 651	3.1	1.3	0.0	0.0	0.0	3.0	3.3	0.0	0.0	1.5	0.9	1.6	1.2	3.3

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Table IV.2: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 189	PB 1756	0.0	0.0	0.0	0.0	0.0	2.0	0.9	0.0	0.0	0.0	0.0	0.7	0.3	2.0
PIT 190	RHB 223	1.5	0.0	10.3	0.0	0.0	5.0	3.3	0.0	0.0	3.9	2.4	2.1	2.2	5.0
<b>IR I</b>		<b>100.0</b>	<b>75.3</b>	<b>97.2</b>	<b>85.1</b>	<b>95.0</b>	<b>97.0</b>	<b>98.4</b>	<b>95.0</b>	<b>93.9</b>	<b>90.8</b>	<b>90.5</b>	<b>96.1</b>	<b>93.0</b>	<b>98.4</b>
<b>IR II</b>		<b>97.4</b>	<b>79.5</b>	<b>96.8</b>	<b>73.8</b>	<b>13.8</b>	<b>98.0</b>	<b>87.0</b>	<b>85.0</b>	<b>95.2</b>	<b>91.2</b>	<b>72.3</b>	<b>91.3</b>	<b>80.7</b>	<b>98.0</b>
PIT 191	MPMH 35	0.0	10.0	0.0	16.4	1.7	4.0	0.0	0.0	0.0	3.3	5.6	1.0	3.6	5.6
PIT 192	HNB 67 Imp.	0.0	0.0	0.0	6.4	0.0	3.0	0.0	1.3	0.0	0.0	1.3	1.1	1.2	3.0
PIT 193	PB 1852	1.2	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.4	0.2	0.8	0.5	3.0
PIT 194	86M94	0.0	0.0	0.0	0.0	0.0	4.0	3.1	0.0	0.0	0.0	0.0	1.8	0.8	4.0
PIT 195	DHBH 1397	1.5	0.0	5.4	0.0	0.0	3.0	2.7	0.0	3.3	2.3	1.4	2.3	1.8	3.3
<b>IR I</b>		<b>100.0</b>	<b>76.3</b>	<b>100.0</b>	<b>83.1</b>	<b>95.7</b>	<b>98.0</b>	<b>99.0</b>	<b>84.4</b>	<b>94.0</b>	<b>92.1</b>	<b>91.0</b>	<b>93.9</b>	<b>92.3</b>	<b>99.0</b>
<b>IR II</b>		<b>98.7</b>	<b>77.5</b>	<b>97.1</b>	<b>81.0</b>	<b>13.6</b>	<b>97.0</b>	<b>74.2</b>	<b>93.8</b>	<b>95.4</b>	<b>91.1</b>	<b>73.6</b>	<b>90.1</b>	<b>80.9</b>	<b>97.0</b>
PIT 196	AHB 1269	1.5	0.0	0.0	0.0	0.0	3.0	1.8	0.0	0.0	0.5	0.3	1.2	0.7	3.0
PIT 197	Pratap	4.8	5.0	0.0	0.0	0.0	5.0	4.6	0.0	3.0	3.3	2.0	3.2	2.5	5.0
PIT 198	86M01	3.2	2.5	0.0	2.3	0.0	3.0	1.0	1.3	0.0	1.9	1.6	1.3	1.5	3.0
PIT 199	86M84	1.8	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.6	0.4	0.5	0.4	2.0
PIT 100	KBH 108	3.9	0.0	0.0	0.0	1.9	3.0	0.0	0.0	1.5	1.3	1.2	1.1	1.1	3.0
<b>IR I</b>		<b>100.0</b>	<b>78.3</b>	<b>94.1</b>	<b>100.0</b>	<b>96.6</b>	<b>98.0</b>	<b>96.7</b>	<b>84.8</b>	<b>94.1</b>	<b>90.8</b>	<b>93.8</b>	<b>93.4</b>	<b>93.6</b>	<b>98.0</b>
<b>IR II</b>		<b>97.2</b>	<b>72.8</b>	<b>91.7</b>	<b>92.4</b>	<b>13.8</b>	<b>98.5</b>	<b>76.9</b>	<b>84.2</b>	<b>95.4</b>	<b>87.2</b>	<b>73.6</b>	<b>88.8</b>	<b>80.3</b>	<b>98.5</b>
PIT 201	MP 7878	3.7	0.0	0.0	5.2	0.0	3.0	1.8	0.0	0.0	1.2	1.8	1.2	1.5	3.0
PIT 202	86M86	2.0	0.0	0.0	0.0	0.0	4.0	2.6	2.6	0.0	0.7	0.4	2.3	1.2	4.0
PIT 203	Kaveri S Boss	1.8	2.5	0.0	4.5	0.0	3.0	0.0	0.0	0.0	1.4	1.8	0.8	1.3	3.0
PIT 204	NBH 4903	4.5	2.5	0.0	1.6	0.0	5.0	0.0	5.1	0.0	2.3	1.7	2.5	2.1	5.1
PIT 205	AHB 1200	1.6	0.0	0.0	0.0	0.0	2.0	0.0	4.0	3.3	0.5	0.3	2.3	1.2	4.0
<b>IR I</b>		<b>100.0</b>	<b>83.8</b>	<b>93.9</b>	<b>96.9</b>	<b>96.7</b>	<b>98.0</b>	<b>99.0</b>	<b>91.1</b>	<b>95.6</b>	<b>92.6</b>	<b>94.3</b>	<b>95.9</b>	<b>95.0</b>	<b>99.0</b>
<b>IR II</b>		<b>97.3</b>	<b>80.3</b>	<b>96.7</b>	<b>87.7</b>	<b>12.3</b>	<b>99.0</b>	<b>62.7</b>	<b>94.8</b>	<b>92.7</b>	<b>91.4</b>	<b>74.8</b>	<b>87.3</b>	<b>80.4</b>	<b>99.0</b>
PIT 206	Raj 171	4.3	1.4	0.0	0.0	1.6	5.0	1.2	2.6	0.0	1.9	1.4	2.2	1.8	5.0
PIT 207	JBV 2	4.7	0.0	3.4	0.0	3.4	5.0	0.0	5.6	0.0	2.7	2.3	2.6	2.5	5.6
PIT 208	Dhanshakti	5.6	0.0	0.0	7.0	1.7	4.0	2.5	0.0	1.7	1.9	2.9	2.0	2.5	4.0
PIT 209	ICMV 221	4.2	0.0	3.8	0.0	0.0	3.0	0.9	0.0	0.0	2.7	1.6	1.0	1.3	3.0
PIT 210	Pusa Comp. 383	3.8	0.0	0.0	0.0	0.0	4.0	4.8	0.0	0.0	1.3	0.8	2.2	1.4	4.8
<b>IR I</b>		<b>100.0</b>	<b>81.3</b>	<b>89.3</b>	<b>89.6</b>	<b>98.3</b>	<b>98.0</b>	<b>100.0</b>	<b>87.5</b>	<b>93.7</b>	<b>90.2</b>	<b>91.7</b>	<b>94.8</b>	<b>93.1</b>	<b>100.0</b>

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Table IV.2: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Downy mildew (%) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
IR II		96.3	77.8	96.4	76.3	14.0	100.0	76.6	85.5	90.5	90.2	72.2	88.2	79.3	100.0
PIT 211	Pusa Comp. 701	1.4	3.8	0.0	5.4	2.9	4.0	4.2	5.0	0.0	1.7	2.7	3.3	3.0	5.0
PIT 212	ABV 04	2.9	0.0	0.0	4.0	0.0	3.0	1.0	0.0	0.0	1.0	1.4	1.0	1.2	3.0
PIT 213	Pusa Comp. 612	3.1	0.0	0.0	0.0	3.0	4.0	2.5	0.0	0.0	1.0	1.2	1.6	1.4	4.0
PIT 214	ICMV 155	4.6	0.0	0.0	4.5	0.0	5.0	0.9	0.0	3.1	1.5	1.8	2.2	2.0	5.0
IR I		100.0	78.3	100.0	79.6	98.1	99.0	90.1	85.0	94.0	92.8	91.2	92.0	91.6	99.0
IR II		98.7	77.5	93.3	72.9	15.7	99.0	79.2	93.5	95.4	89.8	71.6	91.8	80.6	99.0
	<b>Mean Entries</b>	<b>6.3</b>	<b>3.4</b>	<b>4.2</b>	<b>2.3</b>	<b>1.2</b>	<b>7.7</b>	<b>5.1</b>	<b>4.0</b>	<b>3.5</b>	<b>4.6</b>	<b>3.5</b>	<b>5.1</b>	<b>4.2</b>	<b>7.7</b>
	<b>Mean IR I</b>	<b>100.0</b>	<b>76.2</b>	<b>96.3</b>	<b>89.4</b>	<b>96.8</b>	<b>98.0</b>	<b>97.7</b>	<b>91.0</b>	<b>94.0</b>	<b>90.8</b>	<b>91.7</b>	<b>95.2</b>	<b>93.3</b>	<b>98.0</b>
	<b>Mean IR II</b>	<b>97.9</b>	<b>74.0</b>	<b>94.4</b>	<b>80.9</b>	<b>14.1</b>	<b>98.0</b>	<b>75.2</b>	<b>91.5</b>	<b>92.4</b>	<b>88.8</b>	<b>72.3</b>	<b>89.3</b>	<b>79.8</b>	<b>98.0</b>

IR - 7042S

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Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 101	MH 2811	0.0	1.0	1.3	0.1	0.0	0.0	1.5	1.0	0.0	0.8	0.5	0.6	0.5	1.5
PIT 102	MH 2812	0.0	1.0	1.8	0.0	0.0	0.0	2.0	0.5	0.0	0.9	0.6	0.6	0.6	2.0
PIT 103	MH 2813	0.0	1.0	1.2	0.2	0.0	0.5	1.5	0.5	0.0	0.7	0.5	0.6	0.5	1.5
PIT 104	MH 2814	0.0	1.0	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.2	1.1
PIT 105	MH 2815	0.5	1.0	1.9	0.0	0.5	0.5	2.5	0.0	0.0	1.1	0.8	0.8	0.8	2.5
PIT 106	MH 2816	0.5	1.0	2.1	0.1	0.0	0.5	2.5	1.5	0.5	1.2	0.7	1.3	1.0	2.5
PIT 107	MH 2817	0.0	1.0	1.6	0.3	0.0	0.5	3.0	1.0	0.0	0.9	0.6	1.1	0.8	3.0
PIT 108	MH 2818	1.0	1.5	1.5	0.4	1.0	0.5	4.0	1.0	1.0	1.3	1.1	1.6	1.3	4.0
PIT 109	MH 2819	0.0	1.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	0.0	0.3	1.5
PIT 110	MH 2820	1.0	1.0	1.9	0.0	0.0	0.5	1.0	0.0	0.0	1.3	0.8	0.4	0.6	1.9
PIT 111	MH 2821	1.0	1.0	1.4	0.0	0.0	1.0	2.0	1.0	0.5	1.1	0.7	1.1	0.9	2.0
PIT 112	MH 2822	1.0	1.5	1.8	0.1	0.0	0.5	2.0	1.5	0.0	1.4	0.9	1.0	0.9	2.0
PIT 113	MH 2823	0.0	1.0	1.6	0.1	0.0	0.5	3.0	1.0	0.0	0.9	0.5	1.1	0.8	3.0
PIT 114	MH 2824	0.0	1.0	1.3	0.1	0.0	0.5	2.0	0.5	0.0	0.8	0.5	0.8	0.6	2.0
PIT 115	MH 2825	0.0	1.0	1.5	0.0	0.0	0.5	1.0	0.0	0.0	0.8	0.5	0.4	0.4	1.5
PIT 116	MH 2826	1.0	0.5	2.1	0.1	0.0	1.0	2.0	1.0	0.0	1.2	0.7	1.0	0.9	2.1
PIT 117	MH 2827	0.0	0.5	1.5	0.1	0.0	1.0	1.5	0.0	0.0	0.7	0.4	0.6	0.5	1.5
PIT 118	MH 2828	0.5	0.5	1.3	0.5	0.0	0.0	0.5	0.0	0.0	0.8	0.6	0.1	0.4	1.3
PIT 119	MH 2829	0.5	1.5	2.8	0.2	0.0	1.0	2.0	0.0	0.0	1.6	1.0	0.8	0.9	2.8
PIT 120	MH 2830	1.0	0.5	2.6	0.1	0.0	1.0	1.5	0.0	0.0	1.4	0.8	0.6	0.7	2.6
PIT 121	MH 2831	0.5	0.5	2.2	0.3	0.0	1.0	1.5	0.0	0.0	1.1	0.7	0.6	0.7	2.2
PIT 122	MH 2832	0.0	1.0	1.3	0.1	0.0	1.0	2.5	0.0	0.0	0.8	0.5	0.9	0.7	2.5
PIT 123	MH 2833	0.5	1.0	1.5	0.0	0.0	1.0	2.0	0.0	0.0	1.0	0.6	0.8	0.7	2.0
PIT 124	MH 2834	0.0	1.0	1.2	0.1	0.0	0.5	0.0	0.0	0.0	0.7	0.5	0.1	0.3	1.2
PIT 125	MH 2835	0.0	0.5	1.3	0.1	0.0	0.0	1.0	0.0	0.0	0.6	0.4	0.3	0.3	1.3
PIT 126	MH 2836	0.5	1.0	1.4	0.1	0.0	0.0	1.5	0.0	0.0	1.0	0.6	0.4	0.5	1.5
PIT 127	MH 2837	0.0	1.0	1.5	0.4	0.0	0.5	1.0	0.0	0.0	0.8	0.6	0.4	0.5	1.5
PIT 128	MH 2838	0.0	1.0	1.4	0.0	0.0	0.0	1.0	0.0	0.0	0.8	0.5	0.3	0.4	1.4
PIT 129	MH 2839	0.0	1.0	1.3	0.0	0.0	1.0	1.5	0.0	1.0	0.8	0.5	0.9	0.6	1.5

CHAPTER IV: PLANT PATHOLOGY

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 130	MH 2840	0.0	1.0	1.2	0.0	0.5	0.0	0.0	0.0	0.0	0.7	0.5	0.0	0.3	1.2
PIT 131	MH 2841	0.5	1.0	1.9	0.0	0.5	0.0	1.5	0.0	0.0	1.1	0.8	0.4	0.6	1.9
PIT 132	MH 2842	0.0	0.5	1.5	0.0	1.0	0.0	0.0	0.0	0.0	0.7	0.6	0.0	0.3	1.5
PIT 133	MH 2843	1.0	1.0	3.4	0.1	1.5	0.5	3.5	0.0	0.0	1.8	1.4	1.0	1.2	3.5
PIT 134	MH 2844	0.0	0.5	1.2	0.1	0.0	0.0	0.5	0.0	0.0	0.6	0.4	0.1	0.3	1.2
PIT 135	MH 2845	0.5	1.0	2.2	0.3	0.5	0.0	3.0	0.0	0.0	1.2	0.9	0.8	0.8	3.0
PIT 136	MH 2846	0.0	0.0	1.1	0.0	0.0	0.0	0.5	0.0	0.0	0.4	0.2	0.1	0.2	1.1
PIT 137	MH 2847	0.5	0.0	1.7	0.4	0.0	0.5	2.0	0.0	0.0	0.7	0.5	0.6	0.6	2.0
PIT 138	MH 2848	0.0	0.0	1.4	0.2	0.0	0.5	1.5	0.0	0.5	0.5	0.3	0.6	0.5	1.5
PIT 139	MH 2849	0.0	1.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.6	0.5	0.6	2.0
PIT 140	MH 2850	0.0	1.0	1.5	0.1	0.0	0.5	1.5	0.0	0.0	0.8	0.5	0.5	0.5	1.5
PIT 141	MH 2851	0.0	1.0	2.2	0.0	0.0	0.5	2.0	0.0	0.0	1.1	0.6	0.6	0.6	2.2
PIT 142	MH 2852	0.0	1.0	1.7	0.0	0.0	0.5	0.5	0.0	0.0	0.9	0.5	0.3	0.4	1.7
PIT 143	MH 2853	0.0	1.0	1.3	0.0	0.0	0.5	0.5	0.0	0.0	0.8	0.5	0.3	0.4	1.3
PIT 144	MH 2854	0.0	1.0	1.7	0.0	0.0	0.5	0.0	0.0	0.0	0.9	0.5	0.1	0.4	1.7
PIT 145	MH 2855	0.0	0.0	1.8	0.1	0.0	1.0	1.0	0.0	0.0	0.6	0.4	0.5	0.4	1.8
PIT 146	MH 2856	0.5	0.5	1.8	0.2	0.0	1.0	2.5	0.0	0.0	0.9	0.6	0.9	0.7	2.5
PIT 147	MH 2857	0.0	0.5	2.5	0.4	0.0	1.0	2.5	0.0	0.0	1.0	0.7	0.9	0.8	2.5
PIT 148	MH 2858	0.5	0.5	2.6	0.6	0.0	1.0	3.0	0.0	0.5	1.2	0.8	1.1	1.0	3.0
PIT 149	MH 2859	0.0	0.0	1.1	0.0	0.0	1.0	0.0	0.0	0.0	0.4	0.2	0.3	0.2	1.1
PIT 150	MH 2860	0.0	0.0	1.3	0.0	0.5	0.5	3.0	0.0	0.0	0.4	0.4	0.9	0.6	3.0
PIT 151	MH 2861	1.0	1.0	2.7	0.5	1.0	1.0	3.5	1.0	0.5	1.6	1.2	1.5	1.4	3.5
PIT 152	MH 2862	0.0	1.0	2.0	0.1	0.0	0.5	2.0	0.0	0.0	1.0	0.6	0.6	0.6	2.0
PIT 153	MH 2863	0.0	0.5	1.3	0.0	0.0	0.5	0.0	0.0	0.0	0.6	0.4	0.1	0.3	1.3
PIT 154	MH 2864	0.0	1.0	1.2	0.0	0.0	0.5	1.0	0.0	0.0	0.7	0.4	0.4	0.4	1.2
PIT 155	MH 2865	0.0	1.0	1.4	0.1	0.0	0.5	2.5	0.0	0.0	0.8	0.5	0.8	0.6	2.5
PIT 156	MH 2866	0.0	0.5	1.2	0.3	0.0	0.0	0.5	0.0	0.0	0.6	0.4	0.1	0.3	1.2
PIT 157	MH 2867	0.5	0.5	1.2	0.0	0.0	0.0	1.5	0.0	0.0	0.7	0.4	0.4	0.4	1.5
PIT 158	MH 2868	0.0	1.0	2.3	0.1	0.0	0.5	2.0	0.0	0.0	1.1	0.7	0.6	0.7	2.3

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Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 159	MH 2869	0.0	1.0	2.3	0.1	0.0	0.5	1.5	0.0	0.0	1.1	0.7	0.5	0.6	2.3
PIT 160	MH 2870	0.0	1.0	1.6	0.0	0.0	0.0	2.0	0.0	0.0	0.9	0.5	0.5	0.5	2.0
PIT 161	MH 2871	0.0	1.0	1.2	0.1	0.0	0.0	0.5	0.0	0.0	0.7	0.5	0.1	0.3	1.2
PIT 162	MH 2872	0.0	1.0	1.6	0.1	0.0	0.0	1.0	0.0	0.0	0.9	0.5	0.3	0.4	1.6
PIT 163	MH 2873	0.0	0.5	1.2	0.0	0.0	0.5	0.0	0.0	0.0	0.6	0.3	0.1	0.2	1.2
PIT 164	MH 2874	0.0	0.5	1.0	0.1	0.0	0.5	0.0	0.0	0.0	0.5	0.3	0.1	0.2	1.0
PIT 165	MH 2875	0.0	0.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.2	1.1
PIT 166	MH 2876	0.0	0.5	1.2	0.0	1.0	0.5	1.5	0.0	0.0	0.6	0.5	0.5	0.5	1.5
PIT 167	MH 2877	0.0	0.5	1.8	0.1	0.0	1.0	2.0	0.0	0.0	0.8	0.5	0.8	0.6	2.0
PIT 168	MH 2878	0.0	0.5	1.6	0.1	0.0	1.0	0.0	0.0	0.0	0.7	0.4	0.3	0.4	1.6
PIT 169	MH 2879	0.5	0.5	2.2	0.0	0.0	0.5	1.5	0.0	0.0	1.1	0.6	0.5	0.6	2.2
PIT 170	MH 2880	0.0	0.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.2	1.1
PIT 171	MH 2881	0.0	1.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.0	0.2	1.0
PIT 172	MH 2882	1.0	1.0	2.1	0.0	0.0	0.5	1.5	0.0	0.0	1.4	0.8	0.5	0.7	2.1
PIT 173	MH 2883	0.0	1.0	1.1	0.0	0.0	0.5	2.0	0.0	0.0	0.7	0.4	0.6	0.5	2.0
PIT 174	MH 2884	0.0	1.0	2.2	0.3	0.5	0.5	3.0	0.0	0.5	1.1	0.8	1.0	0.9	3.0
PIT 175	MH 2885	0.0	1.0	2.2	0.0	0.0	0.0	1.0	0.0	0.0	1.1	0.6	0.3	0.5	2.2
PIT 176	MH 2886	0.5	1.0	1.9	0.0	1.5	0.0	2.0	0.0	0.0	1.1	1.0	0.5	0.8	2.0
PIT 177	MP 640	0.5	1.0	2.0	0.0	0.0	0.0	2.5	0.0	0.0	1.2	0.7	0.6	0.7	2.5
PIT 178	MP 641	0.0	1.0	2.6	0.0	0.0	0.0	2.0	0.0	0.0	1.2	0.7	0.5	0.6	2.6
PIT 179	MP 642	0.0	1.0	2.3	0.0	0.0	1.0	2.0	0.0	0.0	1.1	0.7	0.8	0.7	2.3
PIT 180	MP 643	0.0	1.0	2.2	0.2	0.0	0.5	2.0	0.0	0.0	1.1	0.7	0.6	0.7	2.2
PIT 181	MP 644	0.0	1.0	1.6	0.1	0.0	0.5	1.5	0.0	0.0	0.9	0.5	0.5	0.5	1.6
PIT 182	MP 645	0.0	1.0	1.6	0.0	0.0	0.5	1.5	0.0	0.0	0.9	0.5	0.5	0.5	1.6
PIT 183	MP 646	0.5	1.0	2.4	0.1	0.0	1.0	2.5	0.0	0.0	1.3	0.8	0.9	0.8	2.5
PIT 184	MP 647	0.5	1.0	2.0	0.1	0.0	1.0	2.5	0.0	0.0	1.2	0.7	0.9	0.8	2.5
PIT 185	MP 648	0.5	1.0	2.2	0.2	0.0	2.0	2.0	0.0	0.0	1.2	0.8	1.0	0.9	2.2
PIT 186	MP 649	0.5	1.0	1.8	0.3	0.0	1.0	2.0	0.0	0.0	1.1	0.7	0.8	0.7	2.0
PIT 187	MP 650	0.0	1.0	1.6	0.0	0.0	1.0	2.0	0.0	0.0	0.9	0.5	0.8	0.6	2.0

CHAPTER IV: PLANT PATHOLOGY

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 188	MP 651	0.0	1.0	1.3	0.0	0.0	1.0	2.5	0.0	0.0	0.8	0.5	0.9	0.6	2.5
PIT 189	PB 1756	0.0	1.0	1.1	0.2	0.0	0.5	1.0	0.0	0.0	0.7	0.5	0.4	0.4	1.1
PIT 190	RHB 223	0.0	1.0	1.5	0.2	0.0	1.0	1.5	0.0	0.0	0.8	0.5	0.6	0.6	1.5
PIT 191	MPMH 35	0.0	1.0	1.3	0.2	0.0	0.5	1.5	0.0	0.0	0.8	0.5	0.5	0.5	1.5
PIT 192	HHB 67 Imp.	0.5	1.0	2.2	0.1	1.0	0.5	2.5	0.0	0.0	1.2	1.0	0.8	0.9	2.5
PIT 193	PB 1852	0.0	1.0	1.4	0.0	0.5	0.5	1.0	0.0	0.0	0.8	0.6	0.4	0.5	1.4
PIT 194	86M94	0.5	1.0	1.6	0.0	0.0	1.0	2.5	0.0	0.0	1.0	0.6	0.9	0.7	2.5
PIT 195	DHBH 1397	0.5	1.0	1.6	0.3	1.0	0.5	1.0	0.0	0.0	1.0	0.9	0.4	0.7	1.6
PIT 196	AHB 1269	0.5	1.0	2.9	0.5	0.5	1.0	4.0	0.0	1.0	1.5	1.1	1.5	1.3	4.0
PIT 197	Pratap	1.5	1.0	2.8	0.5	0.0	0.5	3.5	0.0	2.0	1.8	1.2	1.5	1.3	3.5
PIT 198	86M01	1.0	1.0	2.8	0.0	0.0	1.0	4.0	0.0	0.5	1.6	1.0	1.4	1.1	4.0
PIT 199	86M84	0.5	1.0	2.6	0.0	0.0	1.0	1.5	0.0	0.0	1.4	0.8	0.6	0.7	2.6
PIT 200	KBH 108	0.5	1.0	2.2	0.0	0.0	0.5	3.5	0.0	0.0	1.2	0.7	1.0	0.9	3.5
PIT 201	MP 7878	0.0	1.0	2.2	0.2	1.0	0.5	1.5	0.0	0.0	1.1	0.9	0.5	0.7	2.2
PIT 202	86M86	0.0	1.0	1.4	0.0	0.0	1.0	1.0	0.0	0.0	0.8	0.5	0.5	0.5	1.4
PIT 203	Kaveri S Boss	0.0	1.0	1.3	0.0	0.0	1.0	2.0	0.0	0.0	0.8	0.5	0.8	0.6	2.0
PIT 204	NBH 4903	1.0	1.0	1.8	0.3	1.0	0.5	3.5	0.0	0.0	1.3	1.0	1.0	1.0	3.5
PIT 205	AHB 1200	0.0	1.0	1.7	0.4	1.0	1.0	4.0	0.0	0.5	0.9	0.8	1.4	1.1	4.0
PIT 206	Raj 171	0.0	1.0	1.6	0.2	0.0	1.0	2.5	0.0	0.0	0.9	0.6	0.9	0.7	2.5
PIT 207	JBV 2	0.0	1.0	1.3	0.0	0.0	0.5	1.0	0.0	0.0	0.8	0.5	0.4	0.4	1.3
PIT 208	Dhanshakti	1.0	1.0	1.8	0.2	0.0	0.5	3.5	0.0	0.0	1.3	0.8	1.0	0.9	3.5
PIT 209	ICMV 221	1.0	1.0	2.1	0.0	1.0	0.5	3.0	0.0	0.0	1.4	1.0	0.9	1.0	3.0
PIT 210	Pusa Comp. 383	0.5	1.0	2.0	0.1	0.0	0.5	2.0	0.0	0.0	1.2	0.7	0.6	0.7	2.0
PIT 211	Pusa Comp. 701	0.0	1.0	1.6	0.0	0.0	1.0	2.0	0.0	0.0	0.9	0.5	0.8	0.6	2.0
PIT 212	ABV 04	1.0	1.0	2.2	0.0	0.0	0.5	2.5	0.0	0.0	1.4	0.8	0.8	0.8	2.5
PIT 213	Pusa Comp. 612	1.0	1.0	1.7	0.0	1.0	1.0	2.0	0.0	0.0	1.2	0.9	0.8	0.9	2.0
PIT 214	ICMV 155	0.0	1.0	2.0	0.2	0.0	0.5	3.0	1.0	0.0	1.0	0.6	1.1	0.9	3.0
<b>Entry Mean</b>		<b>0.3</b>	<b>0.9</b>	<b>1.7</b>	<b>0.1</b>	<b>0.2</b>	<b>0.6</b>	<b>1.7</b>	<b>0.1</b>	<b>0.1</b>	<b>1.0</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>1.7</b>



CHAPTER IV: PLANT PATHOLOGY

Table IV.3A: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Blast (0-9 scale) 45 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 101	MH 2811	0.5	2.0	1.8	0.3	0.0	1.0	3.5	1.0	0.0	1.4	0.9	1.4	1.1	3.5
PIT 102	MH 2812	1.0	2.0	2.1	0.2	0.5	0.0	3.5	0.5	0.0	1.7	1.2	1.0	1.1	3.5
PIT 103	MH 2813	0.5	2.0	1.4	0.5	1.0	1.0	2.5	0.5	0.0	1.3	1.1	1.0	1.0	2.5
PIT 104	MH 2814	0.5	2.0	1.4	0.3	0.5	0.0	1.0	0.0	0.0	1.3	0.9	0.3	0.6	2.0
PIT 105	MH 2815	1.5	2.0	2.0	0.3	2.0	1.0	3.5	0.0	0.0	1.8	1.6	1.1	1.4	3.5
PIT 106	MH 2816	1.5	2.0	2.1	0.2	1.0	1.0	3.0	2.0	1.0	1.9	1.4	1.8	1.5	3.0
PIT 107	MH 2817	2.5	2.0	2.1	0.9	1.0	1.0	4.0	1.0	0.0	2.2	1.7	1.5	1.6	4.0
PIT 108	MH 2818	2.5	2.0	1.5	1.3	2.0	1.0	4.5	1.0	2.5	2.0	1.9	2.3	2.0	4.5
PIT 109	MH 2819	1.0	2.5	1.2	0.2	1.0	0.0	2.0	0.0	0.0	1.6	1.2	0.5	0.9	2.5
PIT 110	MH 2820	1.0	2.0	2.1	0.0	1.0	1.0	2.5	0.0	0.0	1.7	1.2	0.9	1.1	2.5
PIT 111	MH 2821	1.5	2.0	1.6	0.2	1.0	1.0	4.0	2.0	1.5	1.7	1.3	2.1	1.6	4.0
PIT 112	MH 2822	1.5	2.0	2.2	0.3	1.0	1.0	4.5	2.0	0.0	1.9	1.4	1.9	1.6	4.5
PIT 113	MH 2823	1.0	2.0	1.8	0.5	1.0	1.0	4.5	1.5	0.5	1.6	1.3	1.9	1.5	4.5
PIT 114	MH 2824	1.0	2.0	1.6	0.3	1.0	1.0	4.0	0.5	0.5	1.5	1.2	1.5	1.3	4.0
PIT 115	MH 2825	1.5	2.0	1.5	0.0	1.0	1.0	3.5	0.0	0.0	1.7	1.2	1.1	1.2	3.5
PIT 116	MH 2826	1.0	1.5	2.2	0.3	1.0	2.0	5.0	2.0	0.0	1.6	1.2	2.3	1.7	5.0
PIT 117	MH 2827	0.0	1.0	1.5	0.8	0.0	1.0	2.5	0.0	0.0	0.8	0.7	0.9	0.8	2.5
PIT 118	MH 2828	0.5	1.5	1.4	1.4	0.5	0.0	1.5	0.0	0.0	1.1	1.1	0.4	0.8	1.5
PIT 119	MH 2829	1.0	2.0	3.3	0.5	1.0	2.0	4.5	0.0	0.5	2.1	1.6	1.8	1.6	4.5
PIT 120	MH 2830	2.0	1.5	2.8	0.2	1.0	1.0	3.0	0.0	0.0	2.1	1.5	1.0	1.3	3.0
PIT 121	MH 2831	1.0	1.5	2.4	0.7	0.0	2.0	3.5	0.0	0.0	1.6	1.1	1.4	1.2	3.5
PIT 122	MH 2832	1.0	2.0	1.9	0.2	0.5	2.0	4.0	0.0	0.0	1.6	1.1	1.5	1.3	4.0
PIT 123	MH 2833	1.0	2.0	1.6	0.0	1.0	1.0	3.5	0.0	0.0	1.5	1.1	1.1	1.1	3.5
PIT 124	MH 2834	0.0	2.0	1.5	0.3	1.0	1.0	1.0	0.5	0.0	1.2	1.0	0.6	0.8	2.0
PIT 125	MH 2835	0.0	1.0	1.5	0.5	0.5	0.0	1.5	0.5	0.0	0.8	0.7	0.5	0.6	1.5
PIT 126	MH 2836	0.5	2.0	1.6	0.5	0.0	0.0	2.5	0.0	0.0	1.4	0.9	0.6	0.8	2.5
PIT 127	MH 2837	0.0	2.0	1.6	1.1	0.0	1.0	2.5	0.0	0.0	1.2	0.9	0.9	0.9	2.5
PIT 128	MH 2838	0.0	2.0	1.4	0.3	0.0	0.0	2.5	0.0	0.5	1.1	0.7	0.8	0.7	2.5
PIT 129	MH 2839	0.0	2.0	1.5	0.1	1.0	2.0	2.5	0.0	2.0	1.2	0.9	1.6	1.2	2.5

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**Table IV.3A: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Blast (0-9 scale) 45 DAS-Kharif 2024**

PIT 130	MH 2840	0.5	1.5	1.4	0.0	1.5	0.0	0.0	0.0	0.0	1.1	1.0	0.0	0.5	1.5
PIT 131	MH 2841	0.5	2.0	2.0	0.0	2.0	0.0	2.5	0.0	0.0	1.5	1.3	0.6	1.0	2.5
PIT 132	MH 2842	0.5	1.0	1.7	0.1	2.0	0.0	1.0	0.0	0.0	1.1	1.1	0.3	0.7	2.0
PIT 133	MH 2843	2.0	2.0	3.8	0.4	3.5	0.5	4.5	0.0	0.5	2.6	2.3	1.4	1.9	4.5
PIT 134	MH 2844	0.5	1.5	1.3	0.4	1.5	0.0	1.0	0.0	0.5	1.1	1.0	0.4	0.7	1.5
PIT 135	MH 2845	1.5	2.0	2.3	0.8	2.0	0.0	3.5	0.0	0.5	1.9	1.7	1.0	1.4	3.5
PIT 136	MH 2846	0.0	1.0	1.2	0.7	1.0	0.0	1.5	0.0	0.0	0.7	0.8	0.4	0.6	1.5
PIT 137	MH 2847	0.5	1.0	1.7	1.1	0.5	1.0	3.0	0.5	0.0	1.1	1.0	1.1	1.0	3.0
PIT 138	MH 2848	1.0	1.0	2.0	0.4	0.0	1.0	3.0	0.0	0.5	1.3	0.9	1.1	1.0	3.0
PIT 139	MH 2849	0.5	2.0	2.4	0.2	1.5	0.0	4.0	0.0	0.0	1.6	1.3	1.0	1.2	4.0
PIT 140	MH 2850	1.5	1.5	2.2	0.5	2.5	1.0	1.5	0.5	0.0	1.7	1.6	0.8	1.2	2.5
PIT 141	MH 2851	0.0	1.5	2.2	0.0	1.0	3.0	3.0	0.0	0.0	1.2	0.9	1.5	1.2	3.0
PIT 142	MH 2852	0.0	1.5	1.8	0.0	0.0	1.0	1.0	0.0	0.0	1.1	0.7	0.5	0.6	1.8
PIT 143	MH 2853	0.0	1.5	1.9	0.0	1.0	1.0	1.5	0.0	0.0	1.1	0.9	0.6	0.8	1.9
PIT 144	MH 2854	0.5	1.5	1.6	0.1	0.5	1.0	1.5	0.0	0.0	1.2	0.8	0.6	0.7	1.6
PIT 145	MH 2855	0.0	0.5	1.9	0.3	0.0	2.0	2.0	0.0	0.0	0.8	0.5	1.0	0.7	2.0
PIT 146	MH 2856	1.0	1.5	2.2	0.8	1.0	2.0	4.5	0.0	0.0	1.6	1.3	1.6	1.4	4.5
PIT 147	MH 2857	2.5	1.5	2.6	0.9	1.0	3.0	4.0	0.0	0.0	2.2	1.7	1.8	1.7	4.0
PIT 148	MH 2858	2.0	1.5	2.7	1.1	1.5	3.0	4.0	0.0	1.0	2.1	1.8	2.0	1.9	4.0
PIT 149	MH 2859	0.0	0.5	1.2	0.4	1.0	1.0	1.5	1.0	0.0	0.6	0.6	0.9	0.7	1.5
PIT 150	MH 2860	2.5	1.0	1.3	0.0	2.0	1.0	4.0	1.0	0.0	1.6	1.4	1.5	1.4	4.0
PIT 151	MH 2861	3.0	2.0	2.7	1.4	2.0	3.0	5.0	2.0	1.5	2.6	2.2	2.9	2.5	5.0
PIT 152	MH 2862	0.0	2.0	2.3	0.3	1.0	2.0	4.0	1.0	0.0	1.4	1.1	1.8	1.4	4.0
PIT 153	MH 2863	0.0	1.0	1.5	0.4	0.0	1.0	2.0	0.0	0.0	0.8	0.6	0.8	0.7	2.0
PIT 154	MH 2864	0.0	2.0	1.5	0.3	0.0	1.0	2.0	0.0	0.0	1.2	0.8	0.8	0.8	2.0
PIT 155	MH 2865	2.5	2.0	1.5	0.3	1.5	1.0	4.0	0.0	0.0	2.0	1.6	1.3	1.4	4.0
PIT 156	MH 2866	0.0	1.5	1.3	0.6	0.0	1.0	2.0	0.0	0.0	0.9	0.7	0.8	0.7	2.0
PIT 157	MH 2867	0.5	1.5	1.3	0.0	0.5	1.0	3.0	0.5	0.0	1.1	0.8	1.1	0.9	3.0
PIT 158	MH 2868	0.5	2.0	2.4	0.3	1.0	1.0	2.5	0.0	0.0	1.6	1.2	0.9	1.1	2.5
PIT 159	MH 2869	2.5	2.0	2.4	0.5	2.0	1.0	2.5	0.0	0.5	2.3	1.9	1.0	1.5	2.5
PIT 160	MH 2870	0.0	2.0	1.8	1.0	1.0	1.0	2.5	1.0	0.5	1.3	1.2	1.3	1.2	2.5

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**Table IV.3A: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Blast (0-9 scale) 45 DAS-Kharif 2024**

PIT 161	MH 2871	0.0	2.0	1.3	0.3	1.5	0.0	1.0	0.0	0.0	1.1	1.0	0.3	0.7	2.0
PIT 162	MH 2872	0.0	2.0	1.8	0.8	0.5	0.0	1.5	0.0	0.0	1.3	1.0	0.4	0.7	2.0
PIT 163	MH 2873	0.0	1.0	1.7	0.3	0.0	1.0	1.0	0.0	0.0	0.9	0.6	0.5	0.6	1.7
PIT 164	MH 2874	0.0	1.0	1.2	0.2	1.0	1.0	1.0	0.0	0.0	0.7	0.7	0.5	0.6	1.2
PIT 165	MH 2875	0.5	1.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.6	0.0	0.3	1.3
PIT 166	MH 2876	0.0	1.0	1.6	0.0	2.0	1.0	2.5	0.0	0.0	0.9	0.9	0.9	0.9	2.5
PIT 167	MH 2877	0.0	1.5	2.2	0.4	1.0	2.0	4.0	0.5	0.0	1.2	1.0	1.6	1.3	4.0
PIT 168	MH 2878	0.5	1.0	2.1	0.5	1.5	1.0	1.5	0.5	0.0	1.2	1.1	0.8	1.0	2.1
PIT 169	MH 2879	0.5	1.0	2.3	0.0	1.0	1.0	3.0	0.0	0.0	1.3	1.0	1.0	1.0	3.0
PIT 170	MH 2880	0.0	1.0	1.2	0.1	0.0	0.0	0.0	0.5	0.0	0.7	0.5	0.1	0.3	1.2
PIT 171	MH 2881	0.0	1.0	1.2	0.2	0.0	0.0	1.0	0.0	0.0	0.7	0.5	0.3	0.4	1.2
PIT 172	MH 2882	1.0	1.0	2.3	0.0	0.0	1.0	2.5	2.0	0.0	1.4	0.9	1.4	1.1	2.5
PIT 173	MH 2883	0.5	1.5	1.3	0.3	1.0	1.0	3.0	0.5	0.0	1.1	0.9	1.1	1.0	3.0
PIT 174	MH 2884	1.5	1.5	2.3	0.7	2.0	1.0	4.5	1.0	1.5	1.8	1.6	2.0	1.8	4.5
PIT 175	MH 2885	0.5	2.0	2.5	0.6	1.0	1.0	2.0	0.5	0.5	1.7	1.3	1.0	1.2	2.5
PIT 176	MH 2886	2.5	2.0	2.0	0.5	3.5	1.0	2.5	1.0	0.5	2.2	2.1	1.3	1.7	3.5
PIT 177	MP 640	0.5	2.0	2.2	0.4	1.0	1.0	3.5	0.5	0.5	1.6	1.2	1.4	1.3	3.5
PIT 178	MP 641	2.5	1.5	3.0	0.7	1.5	1.0	3.5	1.0	0.0	2.3	1.8	1.4	1.6	3.5
PIT 179	MP 642	2.0	1.5	2.5	0.6	1.0	1.0	2.5	0.5	0.0	2.0	1.5	1.0	1.3	2.5
PIT 180	MP 643	3.0	2.0	2.5	0.4	1.5	2.0	4.0	1.0	0.0	2.5	1.9	1.8	1.8	4.0
PIT 181	MP 644	0.5	2.0	1.7	0.3	1.0	1.0	2.0	2.0	0.0	1.4	1.1	1.3	1.2	2.0
PIT 182	MP 645	0.0	1.5	1.8	0.5	1.0	1.0	2.0	1.0	0.0	1.1	1.0	1.0	1.0	2.0
PIT 183	MP 646	0.5	1.5	2.4	0.8	1.5	2.0	3.5	0.5	1.0	1.5	1.3	1.8	1.5	3.5
PIT 184	MP 647	0.5	1.5	2.1	0.2	2.0	2.0	3.5	0.0	0.0	1.4	1.3	1.4	1.3	3.5
PIT 185	MP 648	0.5	1.5	2.4	0.4	1.0	2.0	3.5	1.0	0.0	1.5	1.2	1.6	1.4	3.5
PIT 186	MP 649	3.0	2.0	2.1	0.6	1.5	2.0	3.5	0.0	0.0	2.4	1.8	1.4	1.6	3.5
PIT 187	MP 650	0.5	2.0	2.0	0.0	2.0	2.0	3.5	1.0	0.0	1.5	1.3	1.6	1.4	3.5
PIT 188	MP 651	0.0	1.5	1.5	0.1	0.0	2.0	3.5	0.0	0.0	1.0	0.6	1.4	1.0	3.5
PIT 189	PB 1756	0.0	1.5	1.3	0.3	1.0	1.0	3.0	1.0	0.0	0.9	0.8	1.3	1.0	3.0
PIT 190	RHB 223	0.0	1.0	1.7	0.5	0.0	1.0	3.5	0.0	0.0	0.9	0.6	1.1	0.9	3.5
PIT 191	MPMH 35	0.0	2.0	1.4	0.3	1.0	1.0	3.0	0.0	0.0	1.1	0.9	1.0	1.0	3.0

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**Table IV.3A: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Blast (0-9 scale) 45 DAS-Kharif 2024**

PIT 192	HHB 67 Imp.	1.0	2.0	2.6	1.0	2.5	2.0	4.0	0.0	0.0	1.9	1.8	1.5	1.7	4.0
PIT 193	PB 1852	0.0	1.5	1.6	0.4	2.0	1.0	2.5	1.0	0.0	1.0	1.1	1.1	1.1	2.5
PIT 194	86M94	1.0	1.5	1.7	0.0	1.5	1.0	2.5	1.0	0.0	1.4	1.1	1.1	1.1	2.5
PIT 195	DHBH 1397	1.0	1.5	1.8	1.5	2.0	1.0	2.5	0.0	0.5	1.4	1.6	1.0	1.3	2.5
PIT 196	AHB 1269	2.5	2.0	3.3	1.0	2.0	3.0	5.0	0.0	2.0	2.6	2.2	2.5	2.3	5.0
PIT 197	Pratap	2.0	2.0	3.4	1.4	1.5	3.0	5.0	1.5	3.0	2.5	2.1	3.1	2.5	5.0
PIT 198	86M01	2.5	2.0	3.0	0.2	1.0	2.0	5.0	1.0	1.0	2.5	1.7	2.3	2.0	5.0
PIT 199	86M84	2.5	2.0	2.8	0.0	1.5	1.0	2.5	1.0	0.5	2.4	1.8	1.3	1.5	2.8
PIT 200	KBH 108	1.0	2.0	2.4	0.6	1.0	2.0	4.0	0.0	0.0	1.8	1.4	1.5	1.4	4.0
PIT 201	MP 7878	3.0	2.0	2.4	0.8	2.5	1.0	2.5	0.0	0.5	2.5	2.1	1.0	1.6	3.0
PIT 202	86M86	0.0	2.0	1.6	0.2	1.0	1.0	2.5	0.0	0.0	1.2	1.0	0.9	0.9	2.5
PIT 203	Kaveri S Boss	2.5	1.5	1.7	0.3	1.5	1.0	3.0	0.0	0.0	1.9	1.5	1.0	1.3	3.0
PIT 204	NBH 4903	2.0	2.0	2.0	0.7	3.0	2.0	4.5	1.0	0.0	2.0	1.9	1.9	1.9	4.5
PIT 205	AHB 1200	2.0	2.0	1.8	1.5	2.0	4.0	4.0	1.5	0.5	1.9	1.9	2.5	2.1	4.0
PIT 206	Raj 171	2.5	2.0	1.8	0.6	1.5	1.0	3.5	2.0	0.0	2.1	1.7	1.6	1.7	3.5
PIT 207	JBV 2	2.5	2.0	1.5	0.1	1.5	1.0	2.0	1.0	0.0	2.0	<b>1.5</b>	<b>1.0</b>	<b>1.3</b>	<b>2.5</b>
PIT 208	Dhanshakti	2.5	2.0	1.8	0.9	1.5	2.0	4.0	2.0	0.5	2.1	<b>1.7</b>	<b>2.1</b>	<b>1.9</b>	<b>4.0</b>
PIT 209	ICMV 221	3.0	2.0	2.2	0.5	2.0	2.0	4.0	3.0	0.5	2.4	<b>1.9</b>	<b>2.4</b>	<b>2.1</b>	<b>4.0</b>
PIT 210	Pusa Comp. 383	2.5	1.5	1.9	0.2	1.0	1.0	3.0	0.5	0.0	2.0	<b>1.4</b>	<b>1.1</b>	<b>1.3</b>	<b>3.0</b>
PIT 211	Pusa Comp. 701	3.0	2.0	1.7	0.0	1.5	1.0	3.5	1.0	0.0	2.2	<b>1.6</b>	<b>1.4</b>	<b>1.5</b>	<b>3.5</b>
PIT 212	ABV 04	2.5	2.0	2.4	0.0	1.0	1.0	3.0	0.0	0.0	2.3	<b>1.6</b>	<b>1.0</b>	<b>1.3</b>	<b>3.0</b>
PIT 213	Pusa Comp. 612	3.0	2.0	1.9	0.3	2.0	2.0	4.0	0.0	0.0	2.3	<b>1.8</b>	<b>1.5</b>	<b>1.7</b>	<b>4.0</b>
PIT 214	ICMV 155	2.5	2.0	2.2	0.5	1.0	2.0	4.0	2.0	0.5	2.2	<b>1.6</b>	<b>2.1</b>	<b>1.9</b>	<b>4.0</b>
	<b>Entry Mean</b>	<b>1.0</b>	<b>1.7</b>	<b>2.0</b>	<b>0.4</b>	<b>1.1</b>	<b>1.2</b>	<b>2.9</b>	<b>0.5</b>	<b>0.2</b>	1.6	<b>1.3</b>	<b>1.2</b>	<b>1.2</b>	<b>2.9</b>

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Table IV.3B: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Blast (0-9 scale) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 101	MH 2811	1.5	3.0	2.2	1.4	1.0	2.0	4.5	2.5	1.0	2.2	1.8	2.5	2.1	4.5
PIT 102	MH 2812	2.0	2.5	2.8	0.6	1.5	1.0	4.5	1.5	0.5	2.4	1.9	1.9	1.9	4.5
PIT 103	MH 2813	2.0	3.0	1.7	2.6	2.0	2.0	3.0	1.0	0.5	2.2	2.3	1.6	2.0	3.0
PIT 104	MH 2814	2.0	3.0	1.8	1.8	2.0	1.0	2.0	0.0	0.5	2.3	2.1	0.9	1.6	3.0
PIT 105	MH 2815	3.5	3.0	2.2	1.6	3.5	2.0	5.0	1.0	1.0	2.9	2.8	2.3	2.5	5.0
PIT 106	MH 2816	4.0	3.0	2.6	0.6	2.5	2.0	5.0	3.5	2.5	3.2	2.5	3.3	2.9	5.0
PIT 107	MH 2817	4.5	3.0	2.0	5.0	3.0	2.0	5.5	2.5	1.0	3.2	3.5	2.8	3.2	5.5
PIT 108	MH 2818	4.5	3.0	2.5	5.6	3.5	1.0	6.5	1.5	5.5	3.3	3.8	3.6	3.7	6.5
PIT 109	MH 2819	2.5	3.0	2.3	1.1	2.5	1.0	2.5	1.0	0.0	2.6	2.3	1.1	1.8	3.0
PIT 110	MH 2820	2.5	3.0	2.4	0.4	2.5	2.0	4.0	0.0	0.5	2.6	2.2	1.6	1.9	4.0
PIT 111	MH 2821	3.5	3.0	2.1	1.7	2.5	3.0	5.5	4.5	3.5	2.9	2.6	4.1	3.3	5.5
PIT 112	MH 2822	3.5	3.0	2.6	0.5	2.0	3.0	5.5	4.0	0.5	3.0	2.3	3.3	2.7	5.5
PIT 113	MH 2823	3.5	3.0	2.1	3.3	2.5	3.0	5.5	3.0	1.0	2.9	2.9	3.1	3.0	5.5
PIT 114	MH 2824	3.5	3.0	2.0	2.5	3.0	3.0	5.0	1.0	1.0	2.8	2.8	2.5	2.7	5.0
PIT 115	MH 2825	2.0	3.0	1.9	0.4	3.0	2.0	4.0	0.0	0.0	2.3	2.1	1.5	1.8	4.0
PIT 116	MH 2826	1.5	2.0	2.5	0.8	3.0	4.0	6.0	4.5	0.5	2.0	2.0	3.8	2.8	6.0
PIT 117	MH 2827	0.5	1.5	1.8	2.3	1.5	2.0	3.0	0.0	1.0	1.3	1.5	1.5	1.5	3.0
PIT 118	MH 2828	1.0	2.5	1.9	3.3	<b>1.5</b>	1.0	2.0	0.0	0.5	1.8	2.0	0.9	1.5	3.3
PIT 119	MH 2829	3.5	3.0	3.9	1.7	<b>3.0</b>	1.0	6.0	0.0	1.0	3.5	3.0	2.0	2.6	6.0
PIT 120	MH 2830	3.5	2.0	3.2	1.4	<b>2.0</b>	2.0	4.0	1.0	0.5	2.9	2.4	1.9	2.2	4.0
PIT 121	MH 2831	2.0	2.0	2.3	2.3	<b>1.0</b>	3.0	4.0	0.0	0.0	2.1	1.9	1.8	1.8	4.0
PIT 122	MH 2832	2.0	3.0	2.4	1.9	<b>2.0</b>	3.0	5.5	0.0	0.0	2.5	2.3	2.1	2.2	5.5
PIT 123	MH 2833	2.0	3.0	2.0	1.4	<b>2.0</b>	2.0	4.5	0.0	0.0	2.3	2.1	1.6	1.9	4.5
PIT 124	MH 2834	0.5	3.0	2.0	2.2	<b>2.5</b>	2.0	0.0	1.5	0.0	1.8	2.0	0.9	1.5	3.0
PIT 125	MH 2835	0.5	2.0	1.8	1.4	<b>2.0</b>	1.0	2.0	1.0	0.0	1.4	1.5	1.0	1.3	2.0
PIT 126	MH 2836	0.5	3.0	1.8	3.2	<b>1.0</b>	1.0	3.5	0.0	1.5	1.8	1.9	1.5	1.7	3.5
PIT 127	MH 2837	0.5	3.0	2.0	3.1	<b>1.0</b>	1.0	3.5	0.0	1.0	1.8	1.9	1.4	1.7	3.5
PIT 128	MH 2838	0.0	3.0	2.3	2.2	<b>1.0</b>	2.0	3.5	0.0	1.5	1.8	1.7	1.8	1.7	3.5
PIT 129	MH 2839	0.0	3.0	1.7	2.6	<b>2.5</b>	1.0	3.5	0.0	3.0	1.6	2.0	1.9	1.9	3.5
PIT 130	MH 2840	1.0	2.5	1.7	0.3	<b>3.0</b>	0.0	0.0	0.0	0.0	1.7	1.7	0.0	0.9	3.0
PIT 131	MH 2841	0.5	3.0	2.5	2.1	<b>3.0</b>	1.0	3.5	0.0	0.5	2.0	2.2	1.3	1.8	3.5

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Table IV.3B: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Blast (0-9 scale) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 132	MH 2842	2.5	2.0	2.4	0.6	<b>3.5</b>	1.0	1.5	0.0	0.0	2.3	2.2	0.6	1.5	3.5
PIT 133	MH 2843	3.5	2.5	4.2	2.7	<b>5.5</b>	3.0	5.5	0.0	1.5	3.4	3.7	2.5	3.2	5.5
PIT 134	MH 2844	0.5	2.0	1.6	1.6	<b>3.0</b>	0.5	1.5	0.0	1.0	1.4	1.7	0.8	1.3	3.0
PIT 135	MH 2845	3.5	3.0	2.3	5.0	<b>4.0</b>	3.0	5.5	0.0	1.5	2.9	3.6	2.5	3.1	5.5
PIT 136	MH 2846	0.0	1.0	1.7	2.3	<b>3.0</b>	1.0	2.5	0.0	0.0	0.9	1.6	0.9	1.3	3.0
PIT 137	MH 2847	1.0	1.5	2.3	3.1	<b>2.0</b>	3.0	4.5	2.0	0.5	1.6	2.0	2.5	2.2	4.5
PIT 138	MH 2848	1.5	1.5	2.5	1.8	<b>1.0</b>	2.0	4.0	0.5	1.0	1.8	1.7	1.9	1.8	4.0
PIT 139	MH 2849	1.5	3.0	2.7	2.2	<b>3.0</b>	3.0	4.5	0.0	0.5	2.4	2.5	2.0	2.3	4.5
PIT 140	MH 2850	3.5	2.5	2.3	2.6	<b>5.0</b>	2.0	2.5	1.5	0.0	2.8	3.2	1.5	2.4	5.0
PIT 141	MH 2851	1.0	2.5	2.1	1.8	<b>3.0</b>	4.0	4.0	0.5	0.5	1.9	2.1	2.3	2.2	4.0
PIT 142	MH 2852	0.0	2.5	2.9	0.6	<b>2.0</b>	2.0	1.5	0.0	0.0	1.8	1.6	0.9	1.3	2.9
PIT 143	MH 2853	0.0	2.5	1.8	0.9	<b>3.0</b>	1.0	2.5	0.0	1.0	1.4	1.6	1.1	1.4	3.0
PIT 144	MH 2854	1.0	2.5	1.5	0.8	<b>2.0</b>	1.0	2.5	0.0	0.0	1.7	1.6	0.9	1.3	2.5
PIT 145	MH 2855	0.5	1.0	1.9	1.4	<b>1.0</b>	2.0	2.5	0.0	0.0	1.1	1.2	1.1	1.1	2.5
PIT 146	MH 2856	1.5	2.5	2.5	4.1	<b>2.5</b>	2.0	6.0	0.0	0.0	2.2	2.6	2.0	2.3	6.0
PIT 147	MH 2857	3.5	2.5	3.1	3.8	<b>2.5</b>	4.0	5.0	0.0	0.5	3.0	3.1	2.4	2.8	5.0
PIT 148	MH 2858	4.0	2.5	3.1	5.9	<b>3.0</b>	3.0	5.0	0.0	2.0	3.2	3.7	2.5	3.2	5.9
PIT 149	MH 2859	0.5	1.5	2.3	1.1	<b>2.0</b>	2.0	2.0	2.0	1.0	1.4	1.5	1.8	1.6	2.3
PIT 150	MH 2860	4.5	2.0	1.5	1.8	<b>4.0</b>	2.0	5.5	2.5	1.0	2.7	2.8	2.8	2.8	5.5
PIT 151	MH 2861	3.5	2.5	3.2	6.5	<b>3.5</b>	4.0	6.5	4.5	2.5	3.1	3.8	4.4	4.1	6.5
PIT 152	MH 2862	0.0	2.5	2.6	2.5	<b>3.0</b>	3.0	5.5	2.5	1.0	1.7	2.1	3.0	2.5	5.5
PIT 153	MH 2863	0.0	1.0	1.9	1.9	<b>1.0</b>	1.0	3.0	0.0	1.0	1.0	1.2	1.3	1.2	3.0
PIT 154	MH 2864	0.0	2.5	1.9	1.8	<b>1.0</b>	2.0	3.0	0.0	0.0	1.5	1.4	1.3	1.4	3.0
PIT 155	MH 2865	3.5	2.5	3.1	3.4	<b>3.0</b>	1.0	5.5	0.0	0.5	3.0	3.1	1.8	2.5	5.5
PIT 156	MH 2866	0.5	2.0	2.3	4.3	<b>2.0</b>	2.0	2.0	0.0	0.5	1.6	2.2	1.1	1.7	4.3
PIT 157	MH 2867	0.5	2.0	1.8	0.9	<b>1.5</b>	2.0	4.0	1.0	0.5	1.4	1.3	1.9	1.6	4.0
PIT 158	MH 2868	1.0	3.0	2.6	3.2	<b>3.0</b>	1.0	4.0	0.0	1.0	2.2	2.6	1.5	2.1	4.0
PIT 159	MH 2869	3.5	2.5	2.7	4.0	<b>3.5</b>	2.0	4.0	0.0	1.5	2.9	3.2	1.9	2.6	4.0
PIT 160	MH 2870	0.5	2.5	2.6	3.9	<b>3.0</b>	2.0	3.5	1.5	1.5	1.9	2.5	2.1	2.3	3.9
PIT 161	MH 2871	0.0	2.0	1.7	2.2	<b>3.0</b>	0.0	1.0	0.0	1.0	1.2	1.8	0.5	1.2	3.0
PIT 162	MH 2872	0.0	2.5	2.1	0.6	<b>1.5</b>	1.0	2.0	0.0	0.5	1.5	1.3	0.9	1.1	2.5

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Table IV.3B: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Blast (0-9 scale) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 163	MH 2873	0.0	1.5	2.0	1.1	<b>1.0</b>	2.0	1.5	0.0	0.0	1.2	1.1	0.9	1.0	2.0
PIT 164	MH 2874	0.0	1.5	1.8	1.3	<b>3.0</b>	2.0	1.5	0.0	0.0	1.1	1.5	0.9	1.2	3.0
PIT 165	MH 2875	0.5	1.5	2.2	0.3	<b>1.0</b>	0.0	0.0	0.0	0.0	1.4	1.1	0.0	0.6	2.2
PIT 166	MH 2876	0.5	1.5	2.0	0.3	<b>3.5</b>	1.0	3.0	0.0	0.0	1.3	1.6	1.0	1.3	3.5
PIT 167	MH 2877	0.5	2.0	2.3	2.7	<b>3.0</b>	3.0	5.0	1.0	1.0	1.6	2.1	2.5	2.3	5.0
PIT 168	MH 2878	1.0	1.5	2.3	2.8	<b>3.0</b>	1.0	2.0	1.0	0.0	1.6	2.1	1.0	1.6	3.0
PIT 169	MH 2879	0.5	1.5	2.7	1.1	<b>2.5</b>	2.0	3.5	0.0	1.0	1.6	1.7	1.6	1.6	3.5
PIT 170	MH 2880	0.0	1.5	2.5	1.2	<b>1.0</b>	0.0	0.0	1.0	1.0	1.3	1.2	0.5	0.9	2.5
PIT 171	MH 2881	0.0	2.0	1.7	0.5	<b>2.0</b>	1.0	1.0	0.0	1.0	1.2	1.2	0.8	1.0	2.0
PIT 172	MH 2882	1.5	2.0	2.7	0.8	<b>1.0</b>	2.0	3.5	3.0	0.0	2.1	1.6	2.1	1.8	3.5
PIT 173	MH 2883	0.5	2.5	1.5	1.3	<b>2.5</b>	2.0	3.5	2.5	0.0	1.5	1.7	2.0	1.8	3.5
PIT 174	MH 2884	3.5	2.5	2.7	2.3	<b>3.5</b>	3.0	5.5	3.5	3.5	2.9	2.9	3.9	3.3	5.5
PIT 175	MH 2885	1.0	3.0	3.0	2.4	<b>3.0</b>	2.0	3.0	1.0	1.0	2.3	2.5	1.8	2.2	3.0
PIT 176	MH 2886	3.5	3.0	2.3	1.5	<b>5.0</b>	2.0	4.0	2.0	1.5	2.9	3.1	2.4	2.8	5.0
PIT 177	MP 640	0.5	3.0	2.6	2.7	<b>3.0</b>	2.0	4.0	1.5	0.5	2.0	2.4	2.0	2.2	4.0
PIT 178	MP 641	3.5	2.5	3.5	2.5	<b>3.0</b>	3.0	4.5	2.0	1.0	3.2	3.0	2.6	2.8	4.5
PIT 179	MP 642	3.0	2.5	3.1	2.9	<b>3.0</b>	2.0	3.0	1.5	0.5	2.9	2.9	1.8	2.4	3.1
PIT 180	MP 643	4.0	3.0	2.7	2.5	<b>3.5</b>	2.0	5.5	3.0	0.0	3.2	3.1	2.6	2.9	5.5
PIT 181	MP 644	1.0	3.0	2.6	1.1	<b>2.5</b>	2.0	2.0	3.0	0.0	2.2	2.0	1.8	1.9	3.0
PIT 182	MP 645	0.5	2.5	2.1	1.4	<b>2.5</b>	2.0	2.5	4.0	0.0	1.7	1.8	2.1	1.9	4.0
PIT 183	MP 646	1.0	2.5	2.6	3.9	<b>2.0</b>	3.0	4.0	2.0	1.5	2.0	2.4	2.6	2.5	4.0
PIT 184	MP 647	0.5	2.5	2.4	4.0	<b>3.0</b>	3.0	5.0	1.5	0.0	1.8	2.5	2.4	2.4	5.0
PIT 185	MP 648	0.5	2.5	3.0	1.7	<b>3.0</b>	3.0	5.0	1.5	0.5	2.0	2.1	2.5	2.3	5.0
PIT 186	MP 649	3.5	3.0	2.5	3.8	<b>3.5</b>	2.0	4.5	1.0	0.0	3.0	3.3	1.9	2.6	4.5
PIT 187	MP 650	0.5	3.0	2.1	1.2	<b>3.0</b>	3.0	5.0	2.0	0.0	1.9	2.0	2.5	2.2	5.0
PIT 188	MP 651	0.5	2.5	2.0	0.9	<b>1.0</b>	3.0	5.5	0.0	0.0	1.7	1.4	2.1	1.7	5.5
PIT 189	PB 1756	0.5	2.5	1.6	0.9	<b>2.0</b>	2.0	3.5	2.0	0.0	1.5	1.5	1.9	1.7	3.5
PIT 190	RHB 223	0.5	2.0	2.1	1.0	<b>1.5</b>	3.0	5.5	0.5	0.5	1.5	1.4	2.4	1.8	5.5
PIT 191	MPMH 35	0.5	3.0	2.1	2.0	<b>3.0</b>	1.0	4.5	0.0	0.0	1.9	2.1	1.4	1.8	4.5
PIT 192	HHB 67 Imp.	1.5	3.0	3.1	4.7	<b>4.5</b>	3.0	5.5	0.0	0.0	2.5	3.4	2.1	2.8	5.5
PIT 193	PB 1852	0.5	2.5	2.3	1.6	<b>3.5</b>	1.0	3.0	2.0	0.0	1.8	2.1	1.5	1.8	3.5

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Table IV.3B: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Blast (0-9 scale) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 194	86M94	2.5	2.5	2.0	0.4	<b>3.5</b>	2.0	3.5	2.0	0.5	2.3	2.2	2.0	2.1	3.5
PIT 195	DHBH 1397	1.5	2.5	2.1	3.3	<b>3.5</b>	1.0	4.0	0.0	1.5	2.0	2.6	1.6	2.2	4.0
PIT 196	AHB 1269	3.5	3.0	3.6	2.6	<b>3.5</b>	4.0	6.5	2.0	3.0	3.4	3.2	3.9	3.5	6.5
PIT 197	Pratap	3.5	3.0	3.8	6.0	<b>3.5</b>	4.0	7.5	3.0	5.0	3.4	4.0	4.9	4.4	7.5
PIT 198	86M01	4.0	3.0	3.7	4.1	<b>3.0</b>	3.0	5.5	3.0	2.0	3.6	3.6	3.4	3.5	5.5
PIT 199	86M84	3.0	3.0	3.1	1.1	<b>3.0</b>	2.0	3.5	3.0	2.0	3.0	2.6	2.6	2.6	3.5
PIT 200	KBH 108	2.5	3.0	2.7	2.5	<b>3.0</b>	3.0	5.5	0.0	1.0	2.7	2.7	2.4	2.6	5.5
PIT 201	MP 7878	4.0	3.0	2.9	2.7	<b>4.0</b>	2.0	3.5	0.0	0.5	3.3	3.3	1.5	2.5	4.0
PIT 202	86M86	2.0	3.0	2.0	0.7	<b>3.0</b>	1.0	3.0	0.0	0.0	2.3	2.1	1.0	1.6	3.0
PIT 203	Kaveri S Boss	3.5	2.5	2.0	1.8	<b>3.5</b>	2.0	3.5	0.0	0.5	2.7	2.7	1.5	2.1	3.5
PIT 204	NBH 4903	3.5	3.0	1.9	5.4	<b>4.5</b>	3.0	5.5	4.0	0.5	2.8	3.7	3.3	3.5	5.5
PIT 205	AHB 1200	3.5	3.0	2.0	5.5	<b>4.0</b>	4.0	6.0	4.0	2.0	2.8	3.6	4.0	3.8	6.0
PIT 206	Raj 171	3.5	3.0	2.0	3.4	<b>3.5</b>	2.0	4.0	1.5	0.5	2.8	3.1	2.0	2.6	4.0
PIT 207	JBV 2	4.0	3.0	2.1	2.3	<b>3.5</b>	1.0	2.5	3.0	0.0	3.0	<b>3.0</b>	<b>1.6</b>	<b>2.4</b>	<b>4.0</b>
PIT 208	Dhanshakti	4.5	3.0	2.9	4.6	<b>3.5</b>	3.0	6.0	4.0	1.0	3.5	<b>3.7</b>	<b>3.5</b>	<b>3.6</b>	<b>6.0</b>
PIT 209	ICMV 221	4.5	3.0	2.6	3.2	<b>4.0</b>	3.0	6.0	5.0	1.0	3.4	<b>3.5</b>	<b>3.8</b>	<b>3.6</b>	<b>6.0</b>
PIT 210	Pusa Comp. 383	4.5	2.5	2.4	2.3	<b>3.0</b>	1.0	3.5	1.0	0.5	3.1	<b>2.9</b>	<b>1.5</b>	<b>2.3</b>	<b>4.5</b>
PIT 211	Pusa Comp. 701	3.5	3.0	2.8	0.4	<b>3.5</b>	1.0	4.0	1.5	1.0	3.1	<b>2.6</b>	<b>1.9</b>	<b>2.3</b>	<b>4.0</b>
PIT 212	ABV 04	3.5	3.0	2.9	0.2	<b>3.5</b>	2.0	4.0	1.0	0.5	3.1	<b>2.6</b>	<b>1.9</b>	<b>2.3</b>	<b>4.0</b>
PIT 213	Pusa Comp. 612	3.5	3.0	2.5	2.3	<b>3.5</b>	3.0	5.0	1.0	0.5	3.0	<b>3.0</b>	<b>2.4</b>	<b>2.7</b>	<b>5.0</b>
PIT 214	ICMV 155	3.5	3.0	3.1	3.9	<b>3.5</b>	2.0	5.0	4.0	1.5	3.2	<b>3.4</b>	<b>3.1</b>	<b>3.3</b>	<b>5.0</b>
	<b>Entry Mean</b>	<b>1.8</b>	<b>2.5</b>	<b>2.4</b>	<b>2.2</b>	<b>2.7</b>	<b>2.1</b>	<b>3.8</b>	<b>1.2</b>	<b>0.8</b>	<b>2.3</b>	<b>2.3</b>	<b>2.0</b>	<b>2.2</b>	<b>3.8</b>



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Table IV.3C: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Rust (% leaf area) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 101	MH 2811		0.0	7.5	0.0		30.0	30.0	8.5	32.5	3.8	2.5	25.3	15.5	32.5
PIT 102	MH 2812		0.0	7.0	0.0		21.0	5.0	3.0	31.0	3.5	2.3	15.0	9.6	31.0
PIT 103	MH 2813		0.0	0.0	0.0		32.0	3.5	0.5	25.0	0.0	0.0	15.3	8.7	32.0
PIT 104	MH 2814		0.0	0.0	0.0		21.0	0.0	1.0	17.5	0.0	0.0	9.9	5.6	21.0
PIT 105	MH 2815		0.0	0.0	0.0		11.0	0.0	0.0	6.5	0.0	0.0	4.4	2.5	11.0
PIT 106	MH 2816		0.0	0.0	0.0		13.0	0.0	1.5	6.5	0.0	0.0	5.3	3.0	13.0
PIT 107	MH 2817		0.0	0.0	0.0		15.0	0.0	3.0	11.0	0.0	0.0	7.3	4.1	15.0
PIT 108	MH 2818		0.0	0.0	0.0		14.0	0.0	6.0	7.5	0.0	0.0	6.9	3.9	14.0
PIT 109	MH 2819		0.0	0.0	0.0		15.0	15.0	10.0	6.5	0.0	0.0	11.6	6.6	15.0
PIT 110	MH 2820		0.0	0.0	0.0		17.0	7.5	12.5	27.5	0.0	0.0	16.1	9.2	27.5
PIT 111	MH 2821		0.0	0.0	0.0		19.0	0.0	0.0	10.0	0.0	0.0	7.3	4.1	19.0
PIT 112	MH 2822		0.0	0.0	0.0		21.0	0.0	3.0	18.5	0.0	0.0	10.6	6.1	21.0
PIT 113	MH 2823		0.0	0.0	0.0		24.0	7.5	3.0	15.0	0.0	0.0	12.4	7.1	24.0
PIT 114	MH 2824		0.0	0.0	0.0		27.0	5.0	5.0	21.0	0.0	0.0	14.5	8.3	27.0
PIT 115	MH 2825		0.0	0.0	0.0		18.0	7.5	0.0	11.0	0.0	0.0	9.1	5.2	18.0
PIT 116	MH 2826		0.0	0.0	0.0		19.0	10.0	3.0	22.5	0.0	0.0	13.6	7.8	22.5
PIT 117	MH 2827		0.0	0.0	0.0		18.0	0.0	0.0	23.5	0.0	0.0	10.4	5.9	23.5
PIT 118	MH 2828		0.0	0.0	0.0		18.0	0.0	0.5	7.5	0.0	0.0	6.5	3.7	18.0
PIT 119	MH 2829		0.0	0.0	0.0		21.0	7.5	0.0	13.5	0.0	0.0	10.5	6.0	21.0
PIT 120	MH 2830	DNP	0.0	0.0	0.0	DNP	11.0	5.0	4.0	7.5	0.0	0.0	6.9	3.9	11.0
PIT 121	MH 2831		0.0	18.5	0.0		13.0	5.0	0.0	8.5	9.3	6.2	6.6	6.4	18.5
PIT 122	MH 2832		0.0	13.5	0.0		18.0	10.0	3.0	23.5	6.8	4.5	13.6	9.7	23.5
PIT 123	MH 2833		0.0	16.5	0.0		16.0	0.0	0.0	12.5	8.3	5.5	7.1	6.4	16.5
PIT 124	MH 2834		0.0	0.0	0.0		15.0	7.5	3.0	12.5	0.0	0.0	9.5	5.4	15.0
PIT 125	MH 2835		0.0	7.5	0.0		12.0	0.0	0.0	11.0	3.8	2.5	5.8	4.4	12.0
PIT 126	MH 2836		0.0	0.0	0.0		18.0	0.0	0.0	15.0	0.0	0.0	8.3	4.7	18.0
PIT 127	MH 2837		0.0	0.0	0.0		19.0	0.0	1.0	16.5	0.0	0.0	9.1	5.2	19.0
PIT 128	MH 2838		0.0	0.0	0.0		17.0	0.0	0.5	10.0	0.0	0.0	6.9	3.9	17.0
PIT 129	MH 2839		0.0	0.0	0.0		21.0	0.0	0.0	13.5	0.0	0.0	8.6	4.9	21.0
PIT 130	MH 2840		0.0	0.0	0.0		4.0	0.0	2.5	0.0	0.0	0.0	1.6	0.9	4.0
PIT 131	MH 2841		0.0	0.0	0.0		11.0	0.0	1.0	6.5	0.0	0.0	4.6	2.6	11.0
PIT 132	MH 2842		0.0	0.0	0.0		16.0	5.0	0.5	7.5	0.0	0.0	7.3	4.1	16.0

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**Table IV.3C: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Rust (% leaf area) at 60 DAS-Kharif 2024**

PIT 133	MH 2843		0.0	0.0	0.0		17.0	0.0	2.0	10.0	0.0	0.0	7.3	4.1	17.0
PIT 134	MH 2844		0.0	0.0	0.0		13.0	5.0	0.5	7.5	0.0	0.0	6.5	3.7	13.0
PIT 135	MH 2845		0.0	0.0	0.0		19.0	0.0	0.0	11.0	0.0	0.0	7.5	4.3	19.0
PIT 136	MH 2846		0.0	0.0	0.0		11.0	7.5	0.0	5.0	0.0	0.0	5.9	3.4	11.0
PIT 137	MH 2847		0.0	0.0	0.0		13.0	0.0	0.0	6.5	0.0	0.0	4.9	2.8	13.0
PIT 138	MH 2848		0.0	0.0	0.0		14.0	0.0	0.0	12.5	0.0	0.0	6.6	3.8	14.0
PIT 139	MH 2849		0.0	0.0	0.0		14.0	0.0	2.5	6.5	0.0	0.0	5.8	3.3	14.0
PIT 140	MH 2850		0.0	0.0	0.0		17.0	15.0	0.0	7.5	0.0	0.0	9.9	5.6	17.0
PIT 141	MH 2851		0.0	0.0	0.0		21.0	7.5	2.5	16.5	0.0	0.0	11.9	6.8	21.0
PIT 142	MH 2852		0.0	0.0	0.0		15.0	0.0	0.0	7.5	0.0	0.0	5.6	3.2	15.0
PIT 143	MH 2853		0.0	0.0	0.0		21.0	0.0	3.0	12.5	0.0	0.0	9.1	5.2	21.0
PIT 144	MH 2854		0.0	0.0	0.0		19.0	0.0	0.0	7.5	0.0	0.0	6.6	3.8	19.0
PIT 145	MH 2855		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 146	MH 2856		0.0	0.0	0.0		21.0	0.0	3.0	12.5	0.0	0.0	9.1	5.2	21.0
PIT 147	MH 2857		0.0	0.0	0.0		16.0	0.0	5.0	12.5	0.0	0.0	8.4	4.8	16.0
PIT 148	MH 2858		0.0	0.0	0.0		17.0	10.0	3.0	11.0	0.0	0.0	10.3	5.9	17.0
PIT 149	MH 2859		0.0	0.0	0.0		15.0	0.0	0.0	7.5	0.0	0.0	5.6	3.2	15.0
PIT 150	MH 2860		0.0	0.0	0.0		16.0	10.0	0.0	11.5	0.0	0.0	9.4	5.4	16.0
PIT 151	MH 2861		0.0	0.0	0.0		17.0	0.0	0.5	7.5	0.0	0.0	6.3	3.6	17.0
PIT 152	MH 2862		0.0	0.0	0.0		13.0	0.0	1.0	5.0	0.0	0.0	4.8	2.7	13.0
PIT 153	MH 2863		0.0	0.0	0.0		19.0	0.0	3.5	10.0	0.0	0.0	8.1	4.6	19.0
PIT 154	MH 2864		0.0	0.0	0.0		21.0	0.0	6.0	11.0	0.0	0.0	9.5	5.4	21.0
PIT 155	MH 2865		0.0	0.0	0.0		15.0	0.0	4.5	6.5	0.0	0.0	6.5	3.7	15.0
PIT 156	MH 2866		0.0	0.0	0.0		17.0	0.0	0.0	5.0	0.0	0.0	5.5	3.1	17.0
PIT 157	MH 2867		0.0	0.0	0.0		15.0	0.0	0.0	7.5	0.0	0.0	5.6	3.2	15.0
PIT 158	MH 2868		0.0	0.0	0.0		16.0	0.0	5.0	6.5	0.0	0.0	6.9	3.9	16.0
PIT 159	MH 2869		0.0	0.0	0.0		19.0	0.0	6.0	12.5	0.0	0.0	9.4	5.4	19.0
PIT 160	MH 2870		0.0	0.0	0.0		15.0	0.0	11.0	13.5	0.0	0.0	9.9	5.6	15.0
PIT 161	MH 2871		0.0	0.0	0.0		15.0	7.5	0.5	6.5	0.0	0.0	7.4	4.2	15.0
PIT 162	MH 2872		0.0	0.0	0.0		9.0	0.0	1.0	5.0	0.0	0.0	3.8	2.1	9.0
PIT 163	MH 2873		0.0	0.0	0.0		14.0	3.5	0.5	7.5	0.0	0.0	6.4	3.6	14.0
PIT 164	MH 2874		0.0	0.0	0.0		0.0	3.5	0.0	0.0	0.0	0.0	0.9	0.5	3.5
PIT 165	MH 2875		0.0	0.0	0.0		9.0	10.0	0.5	5.0	0.0	0.0	6.1	3.5	10.0
PIT 166	MH 2876		0.0	0.0	0.0		0.0	0.0	1.0	0.0	0.0	0.0	0.3	0.1	1.0

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**Table IV.3C: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Rust (% leaf area) at 60 DAS-Kharif 2024**

PIT 167	MH 2877		0.0	0.0	0.0		19.0	0.0	4.5	10.0	0.0	0.0	8.4	4.8	19.0
PIT 168	MH 2878		0.0	0.0	0.0		15.0	0.0	0.5	6.5	0.0	0.0	5.5	3.1	15.0
PIT 169	MH 2879		0.0	0.0	0.0		17.0	10.0	1.0	7.5	0.0	0.0	8.9	5.1	17.0
PIT 170	MH 2880		0.0	0.0	0.0		18.0	0.0	0.0	5.0	0.0	0.0	5.8	3.3	18.0
PIT 171	MH 2881		0.0	0.0	0.0		15.0	5.0	3.0	6.5	0.0	0.0	7.4	4.2	15.0
PIT 172	MH 2882		0.0	0.0	0.0		16.0	3.5	0.0	6.5	0.0	0.0	6.5	3.7	16.0
PIT 173	MH 2883		0.0	0.0	0.0		15.0	0.0	1.5	7.5	0.0	0.0	6.0	3.4	15.0
PIT 174	MH 2884		0.0	0.0	0.0		15.0	0.0	1.0	7.5	0.0	0.0	5.9	3.4	15.0
PIT 175	MH 2885		0.0	0.0	0.0		11.0	0.0	0.5	5.0	0.0	0.0	4.1	2.4	11.0
PIT 176	MH 2886		0.0	0.0	0.0		15.0	0.0	1.0	7.5	0.0	0.0	5.9	3.4	15.0
PIT 177	MP 640		0.0	0.0	0.0		17.0	3.5	0.5	17.5	0.0	0.0	9.6	5.5	17.5
PIT 178	MP 641		0.0	0.0	0.0		18.0	0.0	0.0	12.5	0.0	0.0	7.6	4.4	18.0
PIT 179	MP 642		0.0	0.0	0.0		13.0	0.0	2.0	6.5	0.0	0.0	5.4	3.1	13.0
PIT 180	MP 643		0.0	0.0	0.0		17.0	0.0	1.0	12.5	0.0	0.0	7.6	4.4	17.0
PIT 181	MP 644		0.0	0.0	0.0		20.0	0.0	1.0	11.0	0.0	0.0	8.0	4.6	20.0
PIT 182	MP 645		0.0	0.0	0.0		3.0	20.0	2.0	17.5	0.0	0.0	10.6	6.1	20.0
PIT 183	MP 646		0.0	0.0	0.0		11.0	0.0	0.5	15.0	0.0	0.0	6.6	3.8	15.0
PIT 184	MP 647		0.0	0.0	0.0		5.0	15.0	1.0	7.5	0.0	0.0	7.1	4.1	15.0
PIT 185	MP 648		0.0	0.0	0.0		9.0	7.5	2.0	7.5	0.0	0.0	6.5	3.7	9.0
PIT 186	MP 649		0.0	0.0	0.0		14.0	15.0	6.0	16.5	0.0	0.0	12.9	7.4	16.5
PIT 187	MP 650		0.0	0.0	0.0		17.0	0.0	12.5	12.5	0.0	0.0	10.5	6.0	17.0
PIT 188	MP 651		0.0	0.0	0.0		18.0	10.0	1.0	7.5	0.0	0.0	9.1	5.2	18.0
PIT 189	PB 1756		0.0	0.0	0.0		16.0	0.0	6.0	8.5	0.0	0.0	7.6	4.4	16.0
PIT 190	RHB 223		0.0	0.0	0.0		15.0	7.5	4.5	7.5	0.0	0.0	8.6	4.9	15.0
PIT 191	MPMH 35		0.0	4.0	0.0		17.0	15.0	2.0	12.5	2.0	1.3	11.6	7.2	17.0
PIT 192	HHB 67 Imp.		0.0	0.0	0.0		19.0	7.5	4.5	17.5	0.0	0.0	12.1	6.9	19.0
PIT 193	PB 1852		0.0	0.0	0.0		11.0	0.0	2.5	5.0	0.0	0.0	4.6	2.6	11.0
PIT 194	86M94		0.0	0.0	0.0		14.0	0.0	3.0	5.0	0.0	0.0	5.5	3.1	14.0
PIT 195	DHBH 1397		0.0	0.0	0.0		17.0	7.5	0.5	17.5	0.0	0.0	10.6	6.1	17.5
PIT 196	AHB 1269		0.0	0.0	0.0		15.0	15.0	4.5	22.5	0.0	0.0	14.3	8.1	22.5
PIT 197	Pratap		0.0	0.0	0.0		16.0	7.5	11.0	6.5	0.0	0.0	10.3	5.9	16.0
PIT 198	86M01		0.0	0.0	0.0		8.0	0.0	0.0	5.0	0.0	0.0	3.3	1.9	8.0
PIT 199	86M84		0.0	0.0	0.0		16.0	0.0	4.5	7.5	0.0	0.0	7.0	4.0	16.0
PIT 200	KBH 108		0.0	0.0	0.0		14.0	7.5	0.0	12.5	0.0	0.0	8.5	4.9	14.0

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**Table IV.3C: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Rust (% leaf area) at 60 DAS-Kharif 2024**

PIT 201	MP 7878		0.0	0.0	0.0		6.0	2.5	1.0	0.0	0.0	0.0	2.4	1.4	6.0
PIT 202	86M86		0.0	0.0	0.0		10.0	15.0	0.5	7.5	0.0	0.0	8.3	4.7	15.0
PIT 203	Kaveri S Boss		0.0	0.0	0.0		12.0	0.0	8.5	5.0	0.0	0.0	6.4	3.6	12.0
PIT 204	NBH 4903		0.0	0.0	0.0		14.0	7.5	10.0	7.5	0.0	0.0	9.8	5.6	14.0
PIT 205	AHB 1200		0.0	0.0	0.0		16.0	15.0	6.0	12.5	0.0	0.0	12.4	7.1	16.0
PIT 206	Raj 171		0.0	0.0	0.0		14.0	10.0	5.5	8.5	0.0	0.0	9.5	5.4	14.0
PIT 207	JBV 2		0.0	0.0	0.0		17.0	10.0	7.5	7.5	0.0	<b>0.0</b>	<b>10.5</b>	<b>6.0</b>	<b>17.0</b>
PIT 208	Dhanshakti		0.0	0.0	0.0		16.0	0.0	4.5	12.5	0.0	<b>0.0</b>	<b>8.3</b>	<b>4.7</b>	<b>16.0</b>
PIT 209	ICMV 221		0.0	0.0	0.0		19.0	20.0	11.0	17.5	0.0	<b>0.0</b>	<b>16.9</b>	<b>9.6</b>	<b>20.0</b>
PIT 210	Pusa Comp. 383		0.0	0.0	0.0		5.0	15.0	9.5	11.0	0.0	<b>0.0</b>	<b>10.1</b>	<b>5.8</b>	<b>15.0</b>
PIT 211	Pusa Comp. 701		0.0	0.0	0.0		4.0	12.5	1.0	16.5	0.0	<b>0.0</b>	<b>8.5</b>	<b>4.9</b>	<b>16.5</b>
PIT 212	ABV 04		0.0	0.0	0.0		6.0	2.5	0.5	9.0	0.0	<b>0.0</b>	<b>4.5</b>	<b>2.6</b>	<b>9.0</b>
PIT 213	Pusa Comp. 612		0.0	0.0	0.0		7.0	12.5	4.0	17.5	0.0	<b>0.0</b>	<b>10.3</b>	<b>5.9</b>	<b>17.5</b>
PIT 214	ICMV 155		0.0	0.0	0.0		3.0	0.0	2.0	5.0	0.0	<b>0.0</b>	<b>2.5</b>	<b>1.4</b>	<b>5.0</b>
	<b>Entry Mean</b>		<b>0.0</b>	<b>0.6</b>	<b>0.0</b>		<b>14.6</b>		<b>2.6</b>	<b>10.1</b>	0.3	<b>0.2</b>	<b>8.1</b>	<b>4.7</b>	

\* Data Not Provided - (DNP)

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Table IV.3D: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Smut (severity %) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 101	MH 2811		0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	2.5	20.0
PIT 102	MH 2812		7.0	1.7	6.5	20.0	0.0	0.0	0.0	0.0	4.4	8.8	0.0	4.4	20.0
PIT 103	MH 2813		1.0	19.0	0.0	25.0	1.0	0.0	0.0	0.0	10.0	11.3	0.3	5.8	25.0
PIT 104	MH 2814		1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.4	0.0	0.2	1.0
PIT 105	MH 2815		0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	1.3	10.0
PIT 106	MH 2816		0.0	2.5	0.0	7.5	0.0	0.0	0.0	0.0	1.3	2.5	0.0	1.3	7.5
PIT 107	MH 2817		0.0	0.6	0.0	7.5	0.0	0.0	0.0	0.0	0.3	2.0	0.0	1.0	7.5
PIT 108	MH 2818		1.5	3.0	12.5	20.0	0.0	0.0	0.0	0.0	2.3	9.3	0.0	4.6	20.0
PIT 109	MH 2819		0.0	1.5	3.0	7.5	0.0	7.5	0.0	0.0	0.8	3.0	1.9	2.4	7.5
PIT 110	MH 2820		0.0	1.0	2.5	20.0	0.0	0.0	0.0	0.0	0.5	5.9	0.0	2.9	20.0
PIT 111	MH 2821		0.0	12.0	10.0	35.0	0.0	0.0	0.0	0.0	6.0	14.3	0.0	7.1	35.0
PIT 112	MH 2822		0.0	24.5	3.0	32.5	0.0	0.0	0.0	0.0	12.3	15.0	0.0	7.5	32.5
PIT 113	MH 2823		1.5	4.1	0.0	5.0	0.0	0.0	0.0	0.0	2.8	2.7	0.0	1.3	5.0
PIT 114	MH 2824		5.5	2.0	3.0	10.0	0.0	3.0	0.0	0.0	3.8	5.1	0.8	2.9	10.0
PIT 115	MH 2825		1.0	1.5	0.0	7.5	0.0	4.0	0.0	0.0	1.3	2.5	1.0	1.8	7.5
PIT 116	MH 2826		0.0	6.6	0.0	42.5	0.0	15.0	0.0	0.0	3.3	12.3	3.8	8.0	42.5
PIT 117	MH 2827		0.0	11.0	4.5	60.0	0.0	0.0	0.0	0.0	5.5	18.9	0.0	9.4	60.0
PIT 118	MH 2828		1.0	8.0	0.0	27.5	0.0	0.0	0.0	0.0	4.5	9.1	0.0	4.6	27.5
PIT 119	MH 2829		0.0	16.0	8.5	60.0	0.0	4.0	0.0	0.0	8.0	21.1	1.0	11.1	60.0
PIT 120	MH 2830		0.0	0.1	6.5	2.5	0.0	0.0	0.0	0.0	0.1	2.3	0.0	1.1	6.5
PIT 121	MH 2831		0.0	1.0	0.0	5.0	0.0	0.0	0.0	0.0	0.5	1.5	0.0	0.8	5.0
PIT 122	MH 2832		1.0	1.1	0.0	25.0	0.0	4.0	0.0	0.0	1.1	6.8	1.0	3.9	25.0
PIT 123	MH 2833		0.0	1.0	3.0	10.0	0.0	0.0	0.0	0.0	0.5	3.5	0.0	1.8	10.0
PIT 124	MH 2834	DNP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 125	MH 2835		0.0	0.5	0.0	6.5	0.0	0.0	0.0	0.0	0.3	1.8	0.0	0.9	6.5
PIT 126	MH 2836		2.5	34.0	0.0		1.0	0.0	0.0	0.0	18.3	12.2	0.3	5.4	34.0
PIT 127	MH 2837		2.0	31.5	10.5	50.0	1.0	0.0	0.0	0.0	16.8	23.5	0.3	11.9	50.0
PIT 128	MH 2838		2.5	15.0	0.0	72.5	0.0	0.0	0.0	0.0	8.8	22.5	0.0	11.3	72.5
PIT 129	MH 2839		2.0	15.5	7.0	22.5	0.0	0.0	0.0	0.0	8.8	11.8	0.0	5.9	22.5
PIT 130	MH 2840		0.0	0.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	9.4	75.0
PIT 131	MH 2841		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 132	MH 2842		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CHAPTER IV: PLANT PATHOLOGY

Table IV.3D: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Smut (severity %) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 133	MH 2843		1.5	8.1	0.0	7.5	0.0	0.0	0.0	0.0	4.8	4.3	0.0	2.1	8.1
PIT 134	MH 2844		0.0	2.0	0.0	4.0	0.0	0.0	0.0	0.0	1.0	1.5	0.0	0.8	4.0
PIT 135	MH 2845		0.0	0.5	0.0	15.0	0.0	0.0	0.0	0.0	0.3	3.9	0.0	1.9	15.0
PIT 136	MH 2846		0.0	0.5	0.0	22.5	0.0	0.0	0.0	0.0	0.3	5.8	0.0	2.9	22.5
PIT 137	MH 2847		0.0	1.0	0.0	7.5	0.0	0.0	0.0	0.0	0.5	2.1	0.0	1.1	7.5
PIT 138	MH 2848		0.0	4.0	0.0	35.0	0.0	0.0	0.0	0.0	2.0	9.8	0.0	4.9	35.0
PIT 139	MH 2849		0.0	1.5	0.0	27.5	0.0	0.0	0.0	0.0	0.8	7.3	0.0	3.6	27.5
PIT 140	MH 2850		1.0	20.0	0.0	32.5	0.0	0.0	0.0	0.0	10.5	13.4	0.0	6.7	32.5
PIT 141	MH 2851		0.0	10.0	7.0	10.5	0.0	7.5	0.0	0.0	5.0	6.9	1.9	4.4	10.5
PIT 142	MH 2852		0.0	0.7	12.5	22.5	0.0	0.0	0.0	0.0	0.4	8.9	0.0	4.5	22.5
PIT 143	MH 2853		0.0	2.5	0.0	22.5	0.0	0.0	0.0	0.0	1.3	6.3	0.0	3.1	22.5
PIT 144	MH 2854		1.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.5	15.3	0.0	7.6	60.0
PIT 145	MH 2855		0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.9	7.5
PIT 146	MH 2856		0.0	2.5	7.0	15.0	0.0	0.0	0.0	0.0	1.3	6.1	0.0	3.1	15.0
PIT 147	MH 2857		0.0	8.5	0.0	20.0	0.0	0.0	0.0	0.0	4.3	7.1	0.0	3.6	20.0
PIT 148	MH 2858		2.0	2.0	0.0	22.5	0.0	0.0	0.0	0.0	2.0	6.6	0.0	3.3	22.5
PIT 149	MH 2859		0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	2.5	20.0
PIT 150	MH 2860		0.0	9.5	0.0	6.5	0.0	0.0	0.0	0.0	4.8	4.0	0.0	2.0	9.5
PIT 151	MH 2861		1.0	12.0	0.0	47.5	0.0	0.0	0.0	0.0	6.5	15.1	0.0	7.6	47.5
PIT 152	MH 2862		0.0	0.5	0.0	15.0	0.0	0.0	0.0	0.0	0.3	3.9	0.0	1.9	15.0
PIT 153	MH 2863		0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	0.0	5.6	0.0	2.8	22.5
PIT 154	MH 2864		0.0	10.5	0.0	27.5	0.0	0.0	0.0	0.0	5.3	9.5	0.0	4.8	27.5
PIT 155	MH 2865		0.0	6.6	0.0	67.5	0.0	3.5	0.0	0.0	3.3	18.5	0.9	9.7	67.5
PIT 156	MH 2866		0.0	11.0	9.0	15.0	0.0	0.0	0.0	0.0	5.5	8.8	0.0	4.4	15.0
PIT 157	MH 2867		0.0	8.5	6.5	47.5	1.0	0.0	0.0	0.0	4.3	15.6	0.3	7.9	47.5
PIT 158	MH 2868		2.5	9.5	0.0	62.5	1.0	5.0	0.0	0.0	6.0	18.6	1.5	10.1	62.5
PIT 159	MH 2869		3.0	16.5	0.0	22.5	0.0	0.0	0.0	0.0	9.8	10.5	0.0	5.3	22.5
PIT 160	MH 2870		7.5	3.0	0.0	15.0	0.0	0.0	0.0	0.0	5.3	6.4	0.0	3.2	15.0
PIT 161	MH 2871		1.0	4.6	0.0	40.0	0.0	0.0	0.0	0.0	2.8	11.4	0.0	5.7	40.0
PIT 162	MH 2872		0.0	1.0	0.0	20.0	0.0	0.0	0.0	0.0	0.5	5.3	0.0	2.6	20.0
PIT 163	MH 2873		3.0	0.5	6.5	15.0	0.0	3.5	0.0	0.0	1.8	6.3	0.9	3.6	15.0
PIT 164	MH 2874		0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	1.9	15.0
PIT 165	MH 2875		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CHAPTER IV: PLANT PATHOLOGY

Table IV.3D: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Smut (severity %) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 166	MH 2876		0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	1.3	0.0	0.6	5.0
PIT 167	MH 2877		0.0	0.0	10.5	10.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	2.6	10.5
PIT 168	MH 2878		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 169	MH 2879		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 170	MH 2880		0.0	0.0	1.0	2.5	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.4	2.5
PIT 171	MH 2881		0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.5
PIT 172	MH 2882		0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.3	2.5
PIT 173	MH 2883		2.0	0.0	2.5	5.0	0.0	0.0	0.0	0.0	1.0	2.4	0.0	1.2	5.0
PIT 174	MH 2884		1.5	1.5	0.0	5.0	0.0	0.0	0.0	0.0	1.5	2.0	0.0	1.0	5.0
PIT 175	MH 2885		0.0	3.7	3.0	7.5	0.0	0.0	0.0	0.0	1.9	3.6	0.0	1.8	7.5
PIT 176	MH 2886		1.5	2.5	0.0	15.0	0.0	0.0	0.0	0.0	2.0	4.8	0.0	2.4	15.0
PIT 177	MP 640		0.0	2.5	0.0	7.5	0.0	0.0	0.0	0.0	1.3	2.5	0.0	1.3	7.5
PIT 178	MP 641		0.0	1.5	0.0	5.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0	0.8	5.0
PIT 179	MP 642		0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.9	7.5
PIT 180	MP 643		0.0	1.5	3.0	5.0	0.0	5.0	0.0	0.0	0.8	2.4	1.3	1.8	5.0
PIT 181	MP 644		0.0	0.6	0.0	7.5	0.0	2.5	0.0	0.0	0.3	2.0	0.6	1.3	7.5
PIT 182	MP 645		1.0	0.5	2.5	10.0	0.0	0.0	0.0	0.0	0.8	3.5	0.0	1.8	10.0
PIT 183	MP 646		0.0	1.0	0.0	27.5	0.0	0.0	0.0	0.0	0.5	7.1	0.0	3.6	27.5
PIT 184	MP 647		0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	1.9	15.0
PIT 185	MP 648		0.0	0.5	0.0	7.5	0.0	0.0	0.0	0.0	0.3	2.0	0.0	1.0	7.5
PIT 186	MP 649		0.0	1.0	0.0	17.5	0.0	0.0	0.0	0.0	0.5	4.6	0.0	2.3	17.5
PIT 187	MP 650		0.0	5.0	0.0	15.0	0.0	0.0	0.0	0.0	2.5	5.0	0.0	2.5	15.0
PIT 188	MP 651		1.0	2.0	4.0	27.5	1.0	0.0	0.0	0.0	1.5	8.6	0.3	4.4	27.5
PIT 189	PB 1756		1.0	2.0	0.0	7.5	0.0	0.0	0.0	0.0	1.5	2.6	0.0	1.3	7.5
PIT 190	RHB 223		1.5	0.5	3.0	5.0	0.0	0.0	0.0	0.0	1.0	2.5	0.0	1.3	5.0
PIT 191	MPMH 35		1.0	2.0	0.0	60.0	0.0	2.0	0.0	0.0	1.5	15.8	0.5	8.1	60.0
PIT 192	HHB 67 Imp.		4.5	1.0	6.5	7.5	0.0	3.5	0.0	0.0	2.8	4.9	0.9	2.9	7.5
PIT 193	PB 1852		0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	1.9	15.0
PIT 194	86M94		0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.6	5.0
PIT 195	DHBH 1397		1.0	3.0	0.0	20.0	0.0	0.0	0.0	0.0	2.0	6.0	0.0	3.0	20.0
PIT 196	AHB 1269		2.0	23.0	0.0	35.0	0.0	0.0	0.0	0.0	12.5	15.0	0.0	7.5	35.0
PIT 197	Pratap		0.0	0.0	6.0	5.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	1.4	6.0
PIT 198	86M01		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CHAPTER IV: PLANT PATHOLOGY

Table IV.3D: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Smut (severity %) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 199	86M84		0.0	0.0	0.0	17.5	0.0	0.0	0.0	0.0	0.0	4.4	0.0	2.2	17.5
PIT 200	KBH 108		0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.3	2.5
PIT 201	MP 7878		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 202	86M86		1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.1	1.0
PIT 203	Kaveri S Boss		0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.9	7.5
PIT 204	NBH 4903		0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.5	4.0
PIT 205	AHB 1200		1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.6	0.0	0.3	1.5
PIT 206	Raj 171		2.0	1.0	0.0	12.5	0.0	0.0	0.0	0.0	1.5	3.9	0.0	1.9	12.5
PIT 207	JBV 2		1.5	0.6	1.7	7.5	0.0	0.0	0.0	0.0	1.1	<b>2.8</b>	<b>0.0</b>	<b>1.4</b>	<b>7.5</b>
PIT 208	Dhanshakti		1.0	2.1	0.0	10.0	0.0	0.0	0.0	0.0	1.6	<b>3.3</b>	<b>0.0</b>	<b>1.6</b>	<b>10.0</b>
PIT 209	ICMV 221		2.0	2.6	0.0	2.5	0.0	0.0	0.0	0.0	2.3	<b>1.8</b>	<b>0.0</b>	<b>0.9</b>	<b>2.6</b>
PIT 210	Pusa Comp. 383		0.0	0.0	6.5	5.0	0.0	0.0	0.0	0.0	0.0	<b>2.9</b>	<b>0.0</b>	<b>1.4</b>	<b>6.5</b>
PIT 211	Pusa Comp. 701		2.0	0.0	1.7	42.5	0.0	2.5	0.0	0.0	1.0	<b>11.5</b>	<b>0.6</b>	<b>6.1</b>	<b>42.5</b>
PIT 212	ABV 04		0.0	1.0	0.0	32.5	0.0	0.0	0.0	0.0	0.5	<b>8.4</b>	<b>0.0</b>	<b>4.2</b>	<b>32.5</b>
PIT 213	Pusa Comp. 612		1.5	0.5	0.0	7.5	0.0	0.0	0.0	0.0	1.0	<b>2.4</b>	<b>0.0</b>	<b>1.2</b>	<b>7.5</b>
PIT 214	ICMV 155		1.0	0.5	1.7	27.5	1.0	2.5	0.0	0.0	0.8	<b>7.7</b>	<b>0.9</b>	<b>4.3</b>	<b>27.5</b>
	<b>Entry Mean</b>		<b>0.7</b>	<b>3.9</b>	<b>1.6</b>	<b>5.0</b>	<b>0.1</b>	<b>0.7</b>	<b>0.0</b>	<b>0.0</b>	2.3	<b>6.0</b>	<b>0.2</b>	<b>3.1</b>	<b>5.0</b>

\* Data Not Provided - (DNP)



CHAPTER IV: PLANT PATHOLOGY

Table IV.3E: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Ergot severity at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 101	MH 2811		0.0		0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.9	0.5	3.5
PIT 102	MH 2812		0.0		0.0	0.0	2.0	0.0	3.0	4.0	0.0	0.0	2.3	1.3	4.0
PIT 103	MH 2813		0.0		0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0	2.5	1.4	5.0
PIT 104	MH 2814		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 105	MH 2815		0.0		0.0	0.0	2.0	0.0	4.5	9.0	0.0	0.0	3.9	2.2	9.0
PIT 106	MH 2816		0.0		0.0	0.0	2.0	0.0	4.0	4.0	0.0	0.0	2.5	1.4	4.0
PIT 107	MH 2817		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 108	MH 2818		0.0		0.0	0.0	1.0	0.0	3.0	6.0	0.0	0.0	2.5	1.4	6.0
PIT 109	MH 2819		0.0		0.0	0.0	3.0	0.0	6.5	9.0	0.0	0.0	4.6	2.6	9.0
PIT 110	MH 2820		5.0		0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.7	0.0	0.7	5.0
PIT 111	MH 2821		0.0		0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0	2.5	1.4	5.0
PIT 112	MH 2822		1.0		0.0	0.0	2.0	0.0	2.5	7.5	1.0	0.3	3.0	1.9	7.5
PIT 113	MH 2823		0.0		0.0	2.5	1.0	0.0	1.5	2.5	0.0	0.8	1.3	1.1	2.5
PIT 114	MH 2824		0.0		0.0	0.0	1.0	0.0	2.0	1.0	0.0	0.0	1.0	0.6	2.0
PIT 115	MH 2825		1.0		0.0	0.0	0.0	0.0	0.0	1.5	1.0	0.3	0.4	0.4	1.5
PIT 116	MH 2826		1.0		0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.1	1.0
PIT 117	MH 2827		0.0		0.0	0.0	1.0	0.0	1.0	2.5	0.0	0.0	1.1	0.6	2.5
PIT 118	MH 2828	DNP	0.0	DNP	0.0	0.0	1.0	0.0	3.5	2.5	0.0	0.0	1.8	1.0	3.5
PIT 119	MH 2829		0.0		0.0	0.0	1.0	0.0	5.0	6.0	0.0	0.0	3.0	1.7	6.0
PIT 120	MH 2830		0.0		0.0	2.5	0.0	0.0	2.0	0.0	0.0	0.8	0.5	0.6	2.5
PIT 121	MH 2831		0.0		0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.8	0.4	3.0
PIT 122	MH 2832		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0		0.0	0.4	2.5
PIT 123	MH 2833		1.0		0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.1	1.0
PIT 124	MH 2834		0.0		0.0	7.5	0.0	0.0	1.0	0.0	0.0	2.5	0.3	1.2	7.5
PIT 125	MH 2835		0.0		0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.5	0.3	2.0
PIT 126	MH 2836		1.5		0.0	5.0	1.0	0.0	3.5	6.5	1.5	2.2	2.8	2.5	6.5
PIT 127	MH 2837		1.0		0.0	12.5	0.0	0.0	1.0	0.0	1.0	4.5	0.3	2.1	12.5
PIT 128	MH 2838		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 129	MH 2839		0.0		0.0	10.0	1.0	0.0	2.5	1.5	0.0	3.3	1.3	2.1	10.0
PIT 130	MH 2840		0.0		0.0	12.5	0.0	0.0	2.0	0.0	0.0	4.2	0.5	2.1	12.5
PIT 131	MH 2841		0.0		0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.8	0.4	3.0
PIT 132	MH 2842		0.0		0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.8	0.4	3.0

CHAPTER IV: PLANT PATHOLOGY

Table IV.3E: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Ergot severity at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 133	MH 2843		0.0		0.0	0.0	2.0	0.0	0.0	6.5	0.0	0.0	2.1	1.2	6.5
PIT 134	MH 2844		0.0		0.0	0.0	1.0	0.0	1.0	1.5	0.0	0.0	0.9	0.5	1.5
PIT 135	MH 2845		0.0		0.0	12.5	1.0	0.0	2.0	4.0	0.0	4.2	1.8	2.8	12.5
PIT 136	MH 2846		0.0		0.0	2.5	0.0	0.0	4.0	0.0	0.0	0.8	1.0	0.9	4.0
PIT 137	MH 2847		0.0		0.0	5.0	0.0	0.0	5.0	0.0	0.0	1.7	1.3	1.4	5.0
PIT 138	MH 2848		0.0		0.0	7.5	1.0	0.0	3.0	3.5	0.0	2.5	1.9	2.1	7.5
PIT 139	MH 2849		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.4	2.5
PIT 140	MH 2850		1.0		0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.1	1.0
PIT 141	MH 2851		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 142	MH 2852		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 143	MH 2853		1.0		0.0	0.0	0.0	0.0	2.0	1.5	1.0	0.3	0.9	0.6	2.0
PIT 144	MH 2854		1.0		0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.1	1.0
PIT 145	MH 2855		0.5		0.0	6.5	0.0	0.0	3.0	0.0	0.5	2.3	0.8	1.4	6.5
PIT 146	MH 2856		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 147	MH 2857		2.0		0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.3	2.0
PIT 148	MH 2858		0.0		0.0	0.0	1.0	0.0	4.0	3.0	0.0	0.0	2.0	1.1	4.0
PIT 149	MH 2859		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 150	MH 2860		1.0		0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.1	1.0
PIT 151	MH 2861		1.0		0.0	0.0	1.0	0.0	3.5	7.5	1.0	0.3	3.0	1.9	7.5
PIT 152	MH 2862		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 153	MH 2863		0.0		0.0	0.0	1.0	0.0	5.5	1.5	0.0	0.0	2.0	1.1	5.5
PIT 154	MH 2864		1.0		0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.1	1.0
PIT 155	MH 2865		0.0		0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.4	0.2	1.5
PIT 156	MH 2866		1.0		0.0	7.5	0.0	0.0	0.0	0.0	1.0	2.8	0.0	1.2	7.5
PIT 157	MH 2867		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.4	2.5
PIT 158	MH 2868		1.5		0.0	0.0	1.0	0.0	2.0	1.0	1.5	0.5	1.0	0.8	2.0
PIT 159	MH 2869		1.0		0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.3	0.8	0.6	3.0
PIT 160	MH 2870		5.0		0.0	0.0	1.0	0.0	0.0	5.0	5.0	1.7	1.5	1.6	5.0
PIT 161	MH 2871		2.0		0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.3	2.0
PIT 162	MH 2872		0.0		0.0	12.5	0.0	0.0	0.0	0.0	0.0	4.2	0.0	1.8	12.5
PIT 163	MH 2873		0.0		0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.8	0.4	3.0
PIT 164	MH 2874		1.0		0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.1	1.0
PIT 165	MH 2875		0.0		0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.6	0.4	2.5

CHAPTER IV: PLANT PATHOLOGY

Table IV.3E: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Ergot severity at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 166	MH 2876		0.0		0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.4	0.2	1.5
PIT 167	MH 2877		0.0		0.0	0.0	0.0	0.0	4.5	1.0	0.0	0.0	1.4	0.8	4.5
PIT 168	MH 2878		0.0		0.0	2.5	0.0	0.0	5.0	0.0	0.0	0.8	1.3	1.1	5.0
PIT 169	MH 2879		0.0		0.0	2.5	0.0	0.0	3.0	0.0	0.0	0.8	0.8	0.8	3.0
PIT 170	MH 2880		1.0		0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.3	0.5	0.4	2.0
PIT 171	MH 2881		1.0		0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.1	1.0
PIT 172	MH 2882		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.4	2.5
PIT 173	MH 2883		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 174	MH 2884		0.0		0.0	2.5	0.0	0.0	0.0	4.0	0.0	0.8	1.0	0.9	4.0
PIT 175	MH 2885		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.4	2.5
PIT 176	MH 2886		0.0		0.0	2.5	0.0	0.0	1.0	0.0	0.0	0.8	0.3	0.5	2.5
PIT 177	MP 640		0.0		0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.4	0.2	1.5
PIT 178	MP 641		0.0		0.0	<b>0.0</b>	1.0	0.0	0.0	2.5	0.0	0.0	0.9	0.5	2.5
PIT 179	MP 642		0.0		0.0	<b>2.5</b>	0.0	0.0	3.5	0.0	0.0	0.8	0.9	0.9	3.5
PIT 180	MP 643		0.0		0.0	<b>0.0</b>	0.0	0.0	3.0	0.0	0.0	0.0	0.8	0.4	3.0
PIT 181	MP 644		0.0		0.0	<b>2.5</b>	0.0	0.0	4.0	0.0	0.0	0.8	1.0	0.9	4.0
PIT 182	MP 645		0.0		0.0	<b>2.5</b>	1.0	0.0	3.5	0.0	0.0	0.8	1.1	1.0	3.5
PIT 183	MP 646		1.0		0.0	<b>2.5</b>	1.0	0.0	5.0	5.0	1.0	1.2	2.8	2.1	5.0
PIT 184	MP 647		1.0		0.0	<b>0.0</b>	0.0	0.0	4.5	0.0	1.0	0.3	1.1	0.8	4.5
PIT 185	MP 648		0.0		0.0	<b>5.0</b>	0.0	0.0	3.5	0.0	0.0	1.7	0.9	1.2	5.0
PIT 186	MP 649		1.0		0.0	<b>2.5</b>	0.0	0.0	4.0	0.0	1.0	1.2	1.0	1.1	4.0
PIT 187	MP 650		0.0		0.0	<b>5.0</b>	1.0	0.0	3.5	0.0	0.0	1.7	1.1	1.4	5.0
PIT 188	MP 651		2.0		0.0	<b>2.5</b>	0.0	0.0	4.0	0.0	2.0	1.5	1.0	1.2	4.0
PIT 189	PB 1756		1.0		0.0	<b>0.0</b>	1.0	0.0	2.5	2.5	1.0	0.3	1.5	1.0	2.5
PIT 190	RHB 223		0.0		0.0	<b>0.0</b>	0.0	0.0	3.0	0.0	0.0	0.0	0.8	0.4	3.0
PIT 191	MPMH 35		2.0		0.0	<b>2.5</b>	0.0	0.0	2.0	0.0	2.0	1.5	0.5	0.9	2.5
PIT 192	HHB 67 Imp.		1.0		0.0	<b>0.0</b>	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.1	1.0
PIT 193	PB 1852		0.0		0.0	<b>2.5</b>	0.0	0.0	1.5	0.0	0.0	0.8	0.4	0.6	2.5
PIT 194	86M94		0.0		0.0	<b>2.5</b>	1.0	0.0	2.5	0.0	0.0	0.8	0.9	0.9	2.5
PIT 195	DHBH 1397		1.0		0.0	<b>0.0</b>	1.5	0.0	3.0	1.5	1.0	0.3	1.5	1.0	3.0
PIT 196	AHB 1269		1.0		0.0	<b>0.0</b>	1.0	0.0	4.0	2.5	1.0	0.3	1.9	1.2	4.0
PIT 197	Pratap		0.0		0.0	<b>0.0</b>	1.0	0.0	3.0	0.0	0.0	0.0	1.0	0.6	3.0
PIT 198	86M01		0.0		0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0	2.0	1.1	4.0

CHAPTER IV: PLANT PATHOLOGY

Table IV.3E: Disease screening of Initial Pearl Millet Hybrids and Varieties (PMPT I): Ergot severity at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	Mean				MAX
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PIT 199	86M84		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.4	2.5
PIT 200	KBH 108		0.0		0.0	2.5	1.0	0.0	3.0	0.0	0.0	0.8	1.0	0.9	3.0
PIT 201	MP 7878		0.0		0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.5	0.3	2.0
PIT 202	86M86		0.0		0.0	0.0	6.0	0.0	1.0	6.0	0.0	0.0	3.3	1.9	6.0
PIT 203	Kaveri S Boss		0.0		0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	0.1	0.5
PIT 204	NBH 4903		0.0		0.0	0.0	1.0	0.0	1.5	0.0	0.0	0.0	0.6	0.4	1.5
PIT 205	AHB 1200		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PIT 206	Raj 171		0.0		0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0	2.5	1.4	5.0
PIT 207	JBV 2		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
PIT 208	Dhanshakti		0.0		0.0	0.0	1.0	0.0	0.0	4.0	0.0	<b>0.0</b>	<b>1.3</b>	<b>0.7</b>	<b>4.0</b>
PIT 209	ICMV 221		0.0		0.0	0.0	1.0	0.0	0.0	7.5	0.0	<b>0.0</b>	<b>2.1</b>	<b>1.2</b>	<b>7.5</b>
PIT 210	Pusa Comp. 383		0.0		0.0	2.5	0.0	0.0	3.0	0.0	0.0	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>3.0</b>
PIT 211	Pusa Comp. 701		0.0		0.0	0.0	5.0	0.0	2.0	5.0	0.0	<b>0.0</b>	<b>3.0</b>	<b>1.7</b>	<b>5.0</b>
PIT 212	ABV 04		0.0		0.0	0.0	0.0	0.0	4.0	0.0	0.0	<b>0.0</b>	<b>1.0</b>	<b>0.6</b>	<b>4.0</b>
PIT 213	Pusa Comp. 612		2.0		0.0	0.0	1.0	0.0	2.5	7.5	2.0	<b>0.7</b>	<b>2.8</b>	<b>1.9</b>	<b>7.5</b>
PIT 214	ICMV 155		0.0		0.0	0.0	0.0	0.0	0.5	0.0	0.0	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.5</b>
<b>Entry Mean</b>			<b>0.4</b>		<b>0.0</b>	<b>1.6</b>	<b>0.6</b>	<b>0.0</b>	<b>1.8</b>	<b>1.3</b>	0.4	<b>0.6</b>	<b>0.9</b>	<b>0.8</b>	<b>1.8</b>

\* Data Not Provided - (DNP)

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Table IV.4: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Downy mildew (%) at 30 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	PTR	Mean				MAX	MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India		
IR I		72.8	76.3	100.0	66.1	70.0	88.0	89.9	71.8	92.5	87.2	83.0	77.0	85.5	80.8	100.0	100.0
IR II		70.1	77.5	90.0	61.0	3.2	90.0	70.1	81.6	88.2	80.0	79.2	60.4	82.5	70.2	90.0	90.0
PAT 201	MH 2672	2.3	0.0	0.0	0.0	3.1	4.0	6.7	0.0	0.0	1.3	0.8	1.1	2.7	1.8	6.7	6.7
PAT 202	MH 2673	0.0	0.0	0.0	0.0	0.0	3.0	3.5	0.0	0.0	0.6	0.0	0.0	1.6	0.7	3.5	3.5
PAT 203	MH 2675	1.4	0.0	0.0	1.4	0.0	2.0	0.0	0.0	0.0	0.0	0.5	0.6	0.5	0.5	2.0	2.0
PAT 204	MH 2678	0.0	0.0	0.0	0.0	0.0	3.0	6.8	1.5	1.5	6.7	0.0	0.0	3.2	1.4	6.8	6.8
PAT 205	MH 2743	1.2	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	11.4	0.4	0.2	0.3	0.2	1.2	11.4
IR I		74.4	75.0	93.3	74.2	73.0	90.0	100.0	89.9	87.5	90.9	80.9	78.0	91.8	84.1	100.0	100.0
IR II		71.1	70.3	90.9	69.8	7.5	87.0	64.5	85.5	88.9	76.6	77.4	61.9	81.5	70.6	90.9	90.9
PAT 206	MH 2744	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.8	0.0	0.0	0.3	0.1	1.0	1.0
PAT 207	MH 2746	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.6	0.0	0.0	0.3	0.1	1.0	1.0
PAT 208	MH 2747	1.3	2.5	0.0	0.0	0.0	1.0	0.9	0.0	0.0	22.7	1.3	0.8	0.5	0.6	2.5	22.7
PAT 209	MH 2748	1.3	0.0	0.0	0.0	2.9	1.0	3.0	1.4	0.0	3.5	0.4	0.8	1.4	1.1	3.0	3.5
PAT 210	MH 2749	0.0	0.0	0.0	4.1	5.1	2.0	1.0	0.0	0.0	1.5	0.0	1.8	0.7	1.3	5.1	5.1
IR I		73.9	71.3	91.3	66.7	72.9	88.0	95.4	82.1	89.0	90.5	78.8	75.2	88.6	81.2	95.4	95.4
IR II		71.3	70.7	73.3	65.1	9.7	88.0	78.5	72.2	87.0	92.4	71.8	58.0	81.4	68.4	88.0	92.4
PAT 211	MH 2754	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	1.0	1.0
PAT 212	MH 2758	0.0	0.0	0.0	1.9	0.0	3.0	5.7	0.0	1.6	6.0	0.0	0.4	2.6	1.4	5.7	6.0
PAT 213	MH 2682	0.0	0.0	0.0	0.0	0.0	2.0	1.4	0.0	0.0	0.0	0.0	0.0	0.9	0.4	2.0	2.0
PAT 214	MH 2767	1.6	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	1.6	1.6
PAT 215	MH 2773	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.6	0.0	0.0	0.3	0.1	1.0	1.0
IR I		71.8	76.7	93.3	65.0	72.1	90.0	100.0	77.9	87.9	89.1	80.6	75.8	89.0	81.6	100.0	100.0
IR II		69.7	68.9	96.6	62.5	12.1	92.0	86.3	92.1	86.6	75.3	78.4	62.0	89.3	74.1	96.6	96.6
PAT 216	MH 2775	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.7	0.0	0.0	0.3	0.1	1.0	1.0
PAT 217	MH 2777	0.0	0.0	0.0	0.0	0.0	1.0	2.2	0.0	0.0	0.0	0.0	0.0	0.8	0.4	2.2	2.2
PAT 218	MH 2784	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	1.0	1.0
PAT 219	MH 2709	0.0	0.0	0.0	1.5	0.0	1.0	1.1	0.0	0.0	0.0	0.0	0.3	0.5	0.4	1.5	1.5

CHAPTER IV: PLANT PATHOLOGY

Table IV.4: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Downy mildew (%) at 30 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	PTR	Mean				MAX	MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India		
PAT 220	MH 2712	0.0	0.0	0.0	0.0	0.0	1.0	1.3	0.0	0.0	0.7	0.0	0.0	0.6	0.3	1.3	1.3
IR I		71.4	76.3	92.9	68.3	74.6	82.0	100.0	88.3	97.1	9.4	80.2	76.7	91.9	83.4	100.0	100.0
IR II		69.9	77.5	88.9	69.2	4.9	80.0	69.5	75.0	90.5	81.3	78.7	62.1	78.7	69.5	90.5	90.5
PAT 221	MH 2717	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 222	MH 2795	0.0	0.0	0.0	0.0	0.0	1.0	1.1	0.0	0.0	0.0	0.0	0.0	0.5	0.2	1.1	1.1
PAT 223	MH 2796	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 224	MH 2797	1.4	1.3	0.0	3.2	0.0	3.0	0.0	0.0	1.7	3.7	0.9	1.2	1.2	1.2	3.2	3.7
PAT 225	MH 2798	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IR I		73.2	70.3	93.1	64.4	79.7	86.0	95.9	83.8	98.6	91.5	78.9	76.1	91.1	82.8	98.6	98.6
IR II		70.9	68.5	90.0	58.5	9.8	83.0	77.2	81.0	84.2	81.3	76.5	59.5	81.3	69.2	90.0	90.0
PAT 226	MH 2801	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.4	7.7	0.0	0.0	0.6	0.3	1.4	7.7
PAT 227	MH 2806	0.0	1.3	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.4	0.3	0.5	0.4	2.0	2.0
PAT 228	MH 2808	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.3	0.0	0.0	0.0	0.0	0.6	0.3	1.3	1.3
PAT 229	MP 637	0.0	0.0	0.0	1.7	0.0	2.0	1.6	0.0	1.7	0.0	0.0	0.3	1.3	0.8	2.0	2.0
PAT 230	HHB 67 Imp.	0.0	1.6	0.0	0.0	1.4	2.0	0.0	0.0	0.0	0.6	0.5	0.6	0.5	0.6	2.0	2.0
IR I		71.4	76.3	93.8	68.9	70.8	86.0	98.3	90.5	92.8	71.7	80.5	76.2	91.9	83.2	98.3	98.3
IR II		70.5	77.5	93.3	61.3	4.4	85.0	80.5	86.7	92.5	76.6	80.4	61.4	86.2	72.4	93.3	93.3
PAT 231	PB 1756	0.0	0.0	0.0	0.0	0.0	2.0	3.3	0.0	0.0	0.0	0.0	0.0	1.3	0.6	3.3	3.3
PAT 232	MPMH 35	0.0	5.0	0.0	0.0	1.6	3.0	1.7	0.0	0.0	1.3	1.7	1.3	1.2	1.2	5.0	5.0
PAT 233	RHB 223	1.9	0.0	4.8	1.6	0.0	3.0	4.9	0.0	1.6	0.0	2.2	1.6	2.4	2.0	4.9	4.9
PAT 234	AHB 1269	0.0	0.0	0.0	0.0	0.0	2.0	2.2	0.0	0.0	0.0	0.0	0.0	1.0	0.5	2.2	2.2
PAT 235	86M01	2.4	5.1	0.0	4.9	0.0	3.0	0.0	0.0	0.0	3.2	2.5	2.5	0.8	1.7	5.1	5.1
IR I		71.2	75.0	92.9	70.0	72.5	85.0	90.5	78.2	90.5	83.8	79.7	76.3	86.1	80.6	92.9	92.9
IR II		69.7	70.3	91.9	61.5	6.2	81.0	72.1	90.7	89.4	75.2	77.3	59.9	83.3	70.3	91.9	91.9
PAT 236	Pratap	0.0	2.6	0.0	0.0	0.0	4.0	7.1	2.5	0.0	0.0	0.9	0.5	3.4	1.8	7.1	7.1
PAT 237	KBH 108	0.0	0.0	0.0	1.6	0.0	2.0	0.0	1.3	0.0	0.0	0.0	0.3	0.8	0.6	2.0	2.0
PAT 238	86M86	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	1.0	1.0

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Table IV.4: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Downy mildew (%) at 30 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	PTR	Mean				MAX	MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India		
PAT 239	86M84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6
PAT 240	MP 7878	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IR I		71.1	71.3	78.0	73.5	83.8	80.0	94.9	80.3	90.2	77.6	73.5	75.5	86.3	80.3	94.9	94.9
IR II		70.5	70.7	85.3	65.8	9.7	81.0	80.0	86.3	90.5	77.7	75.5	60.4	84.4	71.1	90.5	90.5
PAT 241	Kaveri S Boss	2.2	3.4	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	1.9	1.1	0.5	0.8	3.4	3.4
PAT 242	NBH 4903	1.3	7.7	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0	3.0	1.8	0.8	1.3	7.7	7.7
PAT 243	AHB 1200	0.0	1.3	0.0	1.6	0.0	4.0	6.0	0.0	1.5	1.6	0.4	0.6	2.9	1.6	6.0	6.0
PAT 244	Raj 171	1.7	4.5	0.0	2.6	4.5	3.0	2.8	2.5	0.0	9.1	2.0	2.7	2.1	2.4	4.5	9.1
PAT 245	JBV 2	2.2	2.7	0.0	0.0	3.1	2.0	3.5	0.0	0.0	5.9	1.6	1.6	1.4	1.5	3.5	5.9
IR I		72.7	76.3	91.4	65.3	75.7	83.0	92.7	77.2	93.1	88.0	80.1	76.3	86.5	80.8	93.1	93.1
IR II		70.0	77.5	93.9	62.7	6.0	82.0	82.9	87.5	87.1	66.1	80.5	62.0	84.9	72.2	93.9	93.9
PAT 246	Dhanshakti	1.9	6.8	0.0	1.5	0.0	2.0	2.3	0.0	0.0	9.6	2.9	2.1	1.1	1.6	6.8	9.6
PAT 247	ICMV 221	2.1	1.4	0.0	1.9	0.0	3.0	1.1	0.0	0.0	2.7	1.2	1.1	1.0	1.1	3.0	3.0
PAT 248	Pusa Comp. 383	0.0	0.0	2.5	0.0	0.0	3.0	1.0	2.6	0.0	2.2	0.8	0.5	1.7	1.0	3.0	3.0
PAT 249	Pusa Comp. 701	0.0	0.0	5.7	3.1	0.0	2.0	0.0	0.0	1.6	11.9	1.9	1.8	0.9	1.4	5.7	11.9
IR I		72.0	75.0	90.0	68.2	64.7	83.0	89.0	83.5	93.9	88.0	79.0	74.0	87.4	79.9	93.9	93.9
IR II		70.1	70.3	93.1	58.7	6.6	85.0	77.3	81.1	95.6	66.1	77.8	59.8	84.7	70.9	95.6	95.6
<b>Mean Entries</b>		<b>0.5</b>	<b>1.0</b>	<b>0.3</b>	<b>0.7</b>	<b>0.4</b>	<b>1.8</b>	<b>1.5</b>	<b>0.3</b>	<b>0.3</b>	<b>2.4</b>	<b>0.6</b>	<b>0.6</b>	<b>1.0</b>	<b>0.8</b>	<b>1.8</b>	<b>2.4</b>
<b>Mean IR I</b>		<b>72.4</b>	<b>74.5</b>	<b>91.8</b>	<b>68.2</b>	<b>73.6</b>	<b>85.5</b>	<b>95.1</b>	<b>83.1</b>	<b>92.1</b>	<b>78.8</b>	<b>79.6</b>	<b>76.1</b>	<b>89.0</b>	<b>81.8</b>	<b>95.1</b>	<b>95.1</b>
<b>Mean IR II</b>		<b>70.3</b>	<b>72.7</b>	<b>89.8</b>	<b>63.3</b>	<b>7.3</b>	<b>84.9</b>	<b>76.3</b>	<b>83.6</b>	<b>89.1</b>	<b>77.1</b>	<b>77.6</b>	<b>60.7</b>	<b>83.5</b>	<b>70.8</b>	<b>89.8</b>	<b>89.8</b>

IR - 7042S

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Table IV.5: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Downy mildew (%) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	PTR	Mean				MAX	MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India		
IR I		<b>100.0</b>	79.8	100.0	85.7	<b>96.7</b>	100.0	94.2	92.3	98.5	97.9	93.3	92.4	96.3	94.1	100.0	100.0
IR II		<b>97.4</b>	82.3	93.3	82.9	<b>11.1</b>	98.0	74.7	92.1	97.1	90.0	91.0	73.4	90.5	81.0	98.0	98.0
PAT 201	MH 2672	<b>4.7</b>	0.0	0.0	0.0	<b>3.1</b>	8.0	6.7	0.0	0.0	2.0	1.6	1.6	3.7	2.5	8.0	8.0
PAT 202	MH 2673	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	5.0	4.3	1.3	0.0	0.6	0.0	0.0	2.7	1.2	5.0	5.0
PAT 203	MH 2675	<b>1.4</b>	0.0	0.0	2.9	<b>0.0</b>	4.0	0.9	1.4	0.0	0.0	0.5	0.9	1.6	1.2	4.0	4.0
PAT 204	MH 2678	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	5.0	6.8	0.0	1.5	7.4	0.0	0.0	3.3	1.5	6.8	7.4
PAT 205	MH 2743	<b>1.2</b>	0.0	3.2	1.7	<b>0.0</b>	3.0	0.0	0.0	0.0	12.4	1.5	1.2	0.8	1.0	3.2	12.4
IR I		<b>100.0</b>	79.8	96.7	95.5	<b>93.7</b>	100.0	100.0	92.4	95.8	98.8	92.2	93.1	97.1	94.9	100.0	100.0
IR II		<b>97.6</b>	77.5	93.9	77.4	<b>13.2</b>	100.0	77.6	92.1	95.9	98.1	89.7	71.9	91.4	80.6	100.0	100.0
PAT 206	MH 2744	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	1.0	0.0	0.0	0.0	0.8	0.0	0.0	0.3	0.1	1.0	1.0
PAT 207	MH 2746	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	1.0	0.0	1.4	0.0	0.6	0.0	0.0	0.6	0.3	1.4	1.4
PAT 208	MH 2747	<b>3.8</b>	2.5	0.0	0.0	<b>1.4</b>	3.0	0.9	0.0	0.0	58.4	2.1	1.5	1.0	1.3	3.8	58.4
PAT 209	MH 2748	<b>3.8</b>	0.0	0.0	0.0	<b>2.9</b>	2.0	3.0	1.4	0.0	4.3	1.3	1.3	1.6	1.4	3.8	4.3
PAT 210	MH 2749	<b>3.3</b>	0.0	0.0	6.1	<b>6.8</b>	5.0	1.9	0.0	0.0	6.2	1.1	3.2	1.7	2.6	6.8	6.8
IR I		<b>100.0</b>	80.3	95.7	90.9	<b>96.6</b>	98.0	95.4	94.9	93.0	100.0	92.0	92.7	95.3	93.9	100.0	100.0
IR II		<b>96.3</b>	76.4	83.3	76.7	<b>9.7</b>	99.0	84.6	92.4	97.1	98.9	85.3	68.5	93.3	79.5	99.0	99.0
PAT 211	MH 2754	<b>2.4</b>	0.0	0.0	0.0	<b>0.0</b>	4.0	2.9	0.0	0.0	0.7	0.8	0.5	1.7	1.0	4.0	4.0
PAT 212	MH 2758	<b>2.2</b>	0.0	0.0	3.8	<b>0.0</b>	6.0	5.7	1.3	3.2	8.1	0.7	1.2	4.1	2.5	6.0	8.1
PAT 213	MH 2682	<b>1.9</b>	0.0	0.0	0.0	<b>0.0</b>	4.0	1.4	0.0	0.0	0.0	0.6	0.4	1.4	0.8	4.0	4.0
PAT 214	MH 2767	<b>3.2</b>	0.0	0.0	0.0	<b>0.0</b>	4.0	0.0	0.0	0.0	0.0	1.1	0.6	1.0	0.8	4.0	4.0
PAT 215	MH 2773	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	2.0	0.0	0.0	0.0	1.2	0.0	0.0	0.5	0.2	2.0	2.0
IR I		<b>100.0</b>	83.8	96.7	88.3	<b>100.0</b>	100.0	100.0	90.9	94.7	99.0	93.5	93.8	96.4	94.9	100.0	100.0
IR II		<b>98.7</b>	71.8	100.0	75.0	<b>13.6</b>	100.0	86.3	93.4	92.6	96.3	90.2	71.8	93.1	81.3	100.0	100.0
PAT 216	MH 2775	<b>0.0</b>	0.0	0.0	1.6	<b>0.0</b>	2.0	0.0	0.0	0.0	2.0	0.0	0.3	0.5	0.4	2.0	2.0
PAT 217	MH 2777	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	3.0	2.2	0.0	0.0	0.0	0.0	0.0	1.3	0.6	3.0	3.0
PAT 218	MH 2784	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	2.0	0.0	0.0	1.5	0.0	0.0	0.0	0.9	0.4	2.0	2.0
PAT 219	MH 2709	<b>0.0</b>	0.0	0.0	3.1	<b>0.0</b>	3.0	1.1	2.7	0.0	0.0	0.0	0.6	1.7	1.1	3.1	3.1



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Table IV.5: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Downy mildew (%) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	PTR	Mean				MAX	MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India		
PAT 220	MH 2712	1.3	0.0	0.0	0.0	0.0	2.0	1.3	0.0	0.0	1.4	0.4	0.3	0.8	0.5	2.0	2.0
IR I		100.0	84.2	96.4	100.0	95.8	98.0	100.0	92.2	100.0	99.0	93.5	95.3	97.6	96.3	100.0	100.0
IR II		97.3	85.0	92.6	78.5	11.5	100.0	82.9	97.4	98.5	95.0	91.6	73.0	94.7	82.6	100.0	100.0
PAT 221	MH 2717	1.4	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	1.4	1.4
PAT 222	MH 2795	0.0	0.0	0.0	0.0	0.0	2.0	1.1	0.0	0.0	0.0	0.0	0.0	0.8	0.3	2.0	2.0
PAT 223	MH 2796	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 224	MH 2797	2.7	1.3	0.0	9.7	0.0	4.0	0.9	1.4	5.0	12.3	1.3	2.7	2.8	2.8	9.7	12.3
PAT 225	MH 2798	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	1.6	0.0	0.0	0.0	0.9	0.4	1.6	1.6
IR I		100.0	77.5	96.6	96.6	98.4	100.0	95.9	87.5	98.6	100.0	91.4	93.8	95.5	94.6	100.0	100.0
IR II		97.5	72.8	93.3	81.1	11.5	100.0	80.7	96.2	94.4	100.0	87.9	71.2	92.8	80.8	100.0	100.0
PAT 226	MH 2801	0.0	0.0	0.0	2.3	0.0	3.0	0.0	0.0	1.4	10.3	0.0	0.5	1.1	0.8	3.0	10.3
PAT 227	MH 2806	1.8	1.3	0.0	0.0	0.0	3.0	1.0	0.0	0.0	0.0	1.0	0.6	1.0	0.8	3.0	3.0
PAT 228	MH 2808	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.3	0.0	0.0	0.0	0.0	0.8	0.4	2.0	2.0
PAT 229	MP 637	3.8	0.0	0.0	1.7	0.0	3.0	1.6	0.0	1.7	0.0	1.3	1.1	1.6	1.3	3.8	3.8
PAT 230	HHB 67 Imp.	0.0	1.6	0.0	0.0	1.4	3.0	0.0	0.0	0.0	0.6	0.5	0.6	0.8	0.7	3.0	3.0
IR I		100.0	83.3	93.8	89.2	95.4	99.0	98.3	94.6	98.6	100.0	92.4	92.3	97.6	94.7	100.0	100.0
IR II		98.7	86.3	93.3	88.7	11.8	100.0	84.4	93.3	97.0	94.5	92.8	75.8	93.7	83.7	100.0	100.0
PAT 231	PB 1756	1.3	0.0	0.0	1.9	0.0	4.0	3.3	2.6	0.0	0.0	0.4	0.6	2.5	1.5	4.0	4.0
PAT 232	MPMH 35	0.0	5.0	0.0	0.0	1.6	5.0	1.7	1.4	0.0	9.5	1.7	1.3	2.0	1.6	5.0	9.5
PAT 233	RHB 223	1.9	0.0	4.8	4.8	0.0	5.0	4.9	0.0	1.6	11.3	2.2	2.3	2.9	2.5	5.0	11.3
PAT 234	AHB 1269	2.4	0.0	0.0	0.0	0.0	4.0	2.2	0.0	0.0	1.2	0.8	0.5	1.5	1.0	4.0	4.0
PAT 235	86M01	4.8	5.1	0.0	4.9	0.0	5.0	0.0	0.0	0.0	3.2	3.3	2.9	1.3	2.2	5.1	5.1
IR I		100.0	76.4	92.9	94.0	94.2	100.0	94.6	91.0	96.1	100.0	89.8	91.5	95.4	93.2	100.0	100.0
IR II		97.4	72.8	86.5	75.4	10.8	97.0	76.7	93.3	97.0	90.1	85.5	68.6	91.0	78.5	97.4	97.4
PAT 236	Pratap	4.8	2.6	0.0	0.0	0.0	8.0	9.2	3.8	0.0	0.0	2.5	1.5	5.2	3.2	9.2	9.2
PAT 237	KBH 108	1.7	0.0	0.0	3.3	0.0	4.0	0.0	1.3	0.0	0.0	0.6	1.0	1.3	1.1	4.0	4.0
PAT 238	86M86	1.7	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.6	0.3	0.8	0.5	3.0	3.0

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Table IV.5: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Downy mildew (%) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	DHL	ABD1	CBE	PTR	Mean				MAX	MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India		
PAT 239	86M84	1.5	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.6	0.5	0.3	0.3	0.3	1.5	1.5
PAT 240	MP 7878	2.7	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.9	0.5	0.5	0.5	2.7	2.7
IR I		100.0	77.0	78.0	98.0	100.0	98.0	94.9	88.2	95.8	98.1	85.0	90.6	94.2	92.2	100.0	100.0
IR II		97.4	76.9	88.2	78.9	12.9	97.0	81.4	91.8	96.8	96.4	87.5	70.9	91.8	80.2	97.4	97.4
PAT 241	Kaveri Super Boss	2.2	3.4	0.0	0.0	0.0	4.0	1.1	0.0	0.0	0.0	1.9	1.1	1.3	1.2	4.0	4.0
PAT 242	NBH 4903	3.9	7.7	0.0	0.0	0.0	4.0	1.0	0.0	0.0	0.0	3.8	2.3	1.3	1.8	7.7	7.7
PAT 243	AHB 1200	1.5	1.3	0.0	1.6	0.0	7.0	6.0	0.0	4.4	5.4	0.9	0.9	4.3	2.4	7.0	7.0
PAT 244	Raj 171	5.0	4.5	0.0	3.8	6.1	6.0	2.8	2.5	0.0	14.2	3.2	3.9	2.8	3.4	6.1	14.2
PAT 245	JBV 2	4.4	2.7	0.0	1.4	3.1	5.0	3.5	0.0	0.0	10.6	2.4	2.3	2.1	2.2	5.0	10.6
IR I		100.0	81.2	94.3	90.3	95.7	100.0	94.1	87.3	97.2	98.1	91.8	92.3	94.7	93.3	100.0	100.0
IR II		98.8	80.2	97.0	79.1	11.9	97.0	88.6	93.1	92.9	96.4	92.0	73.4	92.9	82.0	98.8	98.8
PAT 246	Dhanshakti	5.8	8.2	0.0	7.5	0.0	4.0	4.5	0.0	0.0	14.3	4.7	4.3	2.1	3.3	8.2	14.3
PAT 247	ICMV 221	4.2	2.8	0.0	1.9	0.0	4.0	1.1	0.0	0.0	9.6	2.3	1.8	1.3	1.6	4.2	9.6
PAT 248	Pusa Comp. 383	3.8	0.0	2.5	0.0	0.0	4.0	1.0	3.9	0.0	6.7	2.1	1.3	2.2	1.7	4.0	6.7
PAT 249	Pusa Comp. 701	2.9	0.0	5.7	4.7	0.0	3.0	0.0	0.0	4.8	17.9	2.9	2.7	1.9	2.3	5.7	17.9
IR I		100.0	76.5	93.3	86.4	95.6	99.0	95.9	91.0	98.5	99.0	89.9	90.4	96.1	92.9	100.0	100.0
IR II		98.9	78.8	96.6	82.7	10.5	98.0	78.7	90.5	100.0	87.7	91.4	73.5	91.8	81.6	100.0	100.0
<b>Entry Mean</b>		<b>31.2</b>	<b>1.0</b>	<b>28.2</b>	<b>1.4</b>	<b>16.1</b>	<b>32.2</b>	<b>27.9</b>	<b>28.2</b>	<b>29.5</b>	<b>4.7</b>	<b>1.1</b>	<b>1.0</b>	<b>1.5</b>	<b>1.8</b>	<b>32.2</b>	<b>32.2</b>
<b>Mean IR I</b>		<b>100.0</b>	<b>80.0</b>	<b>94.0</b>	<b>92.3</b>	<b>96.5</b>	<b>99.3</b>	<b>96.5</b>	<b>91.9</b>	<b>97.0</b>	<b>99.1</b>	<b>91.3</b>	<b>92.6</b>	<b>96.2</b>	<b>94.2</b>	<b>100.0</b>	<b>100.0</b>
<b>Mean IR II</b>		<b>97.7</b>	<b>78.2</b>	<b>92.6</b>	<b>79.7</b>	<b>11.7</b>	<b>98.7</b>	<b>81.5</b>	<b>93.2</b>	<b>96.3</b>	<b>94.8</b>	<b>89.5</b>	<b>72.0</b>	<b>92.4</b>	<b>81.1</b>	<b>98.7</b>	<b>98.7</b>

IR - 7042S

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Table IV.6: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Blast (0-9 scale) at 30 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 201	MH 2672	0.0	1.0	1.5	0.1	0.0	1.0	1.0	2.0	0.5		0.8	0.5	1.1	0.8	2.0
PAT 202	MH 2673	0.0	1.0	1.9	0.1	0.0	1.0	0.5	2.0	0.0		1.0	0.6	0.9	0.7	2.0
PAT 203	MH 2675	0.0	1.0	0.9	0.1	0.0	0.0	0.0	1.5	0.5		0.6	0.4	0.5	0.4	1.5
PAT 204	MH 2678	0.0	1.0	1.0	0.1	0.0	0.0	0.5	1.0	0.0		0.7	0.4	0.4	0.4	1.0
PAT 205	MH 2743	0.0	1.0	1.2	0.2	0.0	0.0	0.0	1.0	0.0		0.7	0.5	0.3	0.4	1.2
PAT 206	MH 2744	0.0	1.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0		0.8	0.5	0.0	0.3	1.5
PAT 207	MH 2746	1.0	1.0	2.0	0.4	0.0	0.0	0.0	2.5	0.5		1.3	0.9	0.8	0.8	2.5
PAT 208	MH 2747	1.0	1.0	1.8	0.2	0.0	1.0	0.0	2.0	0.0		1.3	0.8	0.8	0.8	2.0
PAT 209	MH 2748	0.5	1.0	1.4	0.0	0.0	1.0	0.5	1.5	0.0		1.0	0.6	0.8	0.7	1.5
PAT 210	MH 2749	0.0	1.0	1.4	0.0	0.0	0.0	0.0	0.5	0.0		0.8	0.5	0.1	0.3	1.4
PAT 211	MH 2754	1.0	1.5	1.6	0.2	0.0	0.5	0.5	2.0	0.0		1.4	0.9	0.8	0.8	2.0
PAT 212	MH 2758	0.0	1.0	1.3	0.0	0.0	0.5	0.0	1.5	0.0		0.8	0.5	0.5	0.5	1.5
PAT 213	MH 2682	0.0	1.0	1.2	0.1	0.0	0.0	0.0	0.0	0.0		0.7	0.5	0.0	0.3	1.2
PAT 214	MH 2767	0.0	1.0	1.4	0.2	0.0	0.0	0.0	0.0	0.0		0.8	0.5	0.0	0.3	1.4
PAT 215	MH 2773	0.0	1.0	1.1	0.1	0.0	0.0	0.0	0.0	0.0		0.7	0.4	0.0	0.2	1.1
PAT 216	MH 2775	0.0	1.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0		1.0	0.6	0.0	0.3	1.9
PAT 217	MH 2777	0.5	1.0	1.2	0.0	0.0	0.5	0.0	1.5	0.0		0.9	0.5	0.5	0.5	1.5
PAT 218	MH 2784	0.5	1.0	1.3	0.0	1.0	0.0	0.0	1.0	0.0	DNP	0.9	0.8	0.3	0.5	1.3
PAT 219	MH 2709	1.0	1.0	1.2	0.0	0.0	0.0	0.0	1.5	0.0		1.1	0.6	0.4	0.5	1.5
PAT 220	MH 2712	0.0	1.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0		0.7	0.4	0.0	0.2	1.2
PAT 221	MH 2717	0.5	1.0	1.4	0.0	0.0	0.0	0.0	1.5	0.0		1.0	0.6	0.4	0.5	1.5
PAT 222	MH 2795	0.0	1.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0		0.8	0.5	0.0	0.3	1.3
PAT 223	MH 2796	0.0	1.0	1.2	0.0	0.0	0.0	0.5	0.5	0.0		<b>0.7</b>	<b>0.4</b>	<b>0.3</b>	<b>0.4</b>	<b>1.2</b>
PAT 224	MH 2797	0.0	0.5	1.7	0.1	0.0	0.5	0.5	1.0	0.0		<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>1.7</b>
PAT 225	MH 2798	0.0	0.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0		<b>0.6</b>	<b>0.3</b>	<b>0.0</b>	<b>0.2</b>	<b>1.2</b>
PAT 226	MH 2801	0.0	0.5	1.2	0.0	0.0	0.0	0.0	0.5	0.0		<b>0.6</b>	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	<b>1.2</b>
PAT 227	MH 2806	1.0	1.0	2.0	0.1	0.0	0.5	0.0	1.0	0.0		<b>1.3</b>	<b>0.8</b>	<b>0.4</b>	<b>0.6</b>	<b>2.0</b>
PAT 228	MH 2808	0.0	1.0	1.2	0.0	0.5	0.0	0.5	0.0	0.0		<b>0.7</b>	<b>0.5</b>	<b>0.1</b>	<b>0.4</b>	<b>1.2</b>
PAT 229	MP 637	1.0	1.0	1.8	0.3	0.0	0.0	0.5	1.5	0.0		<b>1.3</b>	<b>0.8</b>	<b>0.5</b>	<b>0.7</b>	<b>1.8</b>

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Table IV.6: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Blast (0-9 scale) at 30 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 230	HHB 67 Imp.	0.5	1.0	2.5	0.1	1.0	1.0	0.0	3.0	0.5		1.3	1.0	1.1	1.1	3.0
PAT 231	PB 1756	0.0	1.0	1.3	0.0	0.0	0.0	0.0	1.0	0.0		0.8	0.5	0.3	0.4	1.3
PAT 232	MPMH 35	0.5	1.0	1.7	0.0	0.0	0.0	0.0	0.5	0.0		1.1	0.6	0.1	0.4	1.7
PAT 233	RHB 223	0.0	1.0	1.6	0.2	0.0	0.0	0.0	1.5	0.0		0.9	0.6	0.4	0.5	1.6
PAT 234	AHB 1269	0.5	1.0	1.8	0.1	0.0	0.0	0.0	2.0	0.0		1.1	0.7	0.5	0.6	2.0
PAT 235	86M01	0.0	1.0	1.9	0.3	0.0	1.0	0.0	3.0	1.0		1.0	0.6	1.3	0.9	3.0
PAT 236	Pratap	0.0	1.0	2.8	0.2	0.0	1.0	0.5	4.0	1.5		1.3	0.8	1.8	1.2	4.0
PAT 237	KBH 108	0.5	1.0	2.3	0.0	1.0	1.0	0.0	2.5	0.0		1.3	1.0	0.9	0.9	2.5
PAT 238	86M86	0.0	1.0	1.2	0.0	0.0	0.0	0.0	1.5	0.0		0.7	0.4	0.4	0.4	1.5
PAT 239	86M84	0.5	1.0	2.4	0.1	0.0	1.0	0.0	2.0	0.0		1.3	0.8	0.8	0.8	2.4
PAT 240	MP 7878	1.0	0.5	1.6	0.0	0.0	1.0	0.5	2.5	0.0		1.0	0.6	1.0	0.8	2.5
PAT 241	Kaveri S Boss	0.0	1.0	1.8	0.0	0.0	0.0	0.0	1.0	0.0		0.9	0.6	0.3	0.4	1.8
PAT 242	NBH 4903	1.0	1.5	2.5	0.2	0.0	0.0	0.0	2.0	0.0		1.7	1.0	0.5	0.8	2.5
PAT 243	AHB 1200	0.5	1.0	2.3	0.0	1.0	0.5	0.0	3.0	0.5		1.3	1.0	1.0	1.0	3.0
PAT 244	Raj 171	1.0	1.0	1.9	0.0	0.5	0.0	0.0	2.0	0.0		1.3	0.9	0.5	0.7	2.0
PAT 245	JBV 2	0.0	1.0	1.9	0.0	0.0	0.0	0.0	1.5	0.0		1.0	0.6	0.4	0.5	1.9
PAT 246	Dhanshakti	0.0	1.0	1.7	0.1	1.0	0.0	0.0	3.5	1.5		0.9	0.8	1.3	1.0	3.5
PAT 247	ICMV 221	1.0	1.0	1.5	0.3	0.5	1.0	0.0	3.5	0.0		1.2	0.9	1.1	1.0	3.5
PAT 248	Pusa Comp. 383	0.0	1.0	1.9	0.0	0.0	0.5	0.0	1.5	0.0		1.0	0.6	0.5	0.5	1.9
PAT 249	Pusa Comp. 701	1.0	1.0	1.5	0.0	0.0	0.0	0.0	1.5	0.0		1.0	0.7	0.4	0.6	1.5
	<b>Entry Mean</b>	<b>0.3</b>	<b>1.0</b>	<b>1.6</b>	<b>0.1</b>	<b>0.1</b>	<b>0.3</b>	<b>0.1</b>	<b>1.4</b>	<b>0.1</b>		<b>0.7</b>	<b>0.6</b>	<b>0.5</b>	<b>0.6</b>	<b>1.6</b>

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Table IV.6A: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Blast (0-9 scale) at 45 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 201	MH 2672	0.0	2.0	1.9	0.5	0.0	2.0	1.5	3.5	1.5		1.3	0.9	2.1	1.4	3.5
PAT 202	MH 2673	0.5	2.0	2.0	0.4	1.0	2.0	1.0	3.0	0.0		1.5	1.2	1.5	1.3	3.0
PAT 203	MH 2675	0.5	1.5	1.0	0.4	0.0	1.0	1.0	3.5	1.0		1.0	0.7	1.6	1.1	3.5
PAT 204	MH 2678	0.5	2.0	1.2	0.4	1.0	1.0	0.5	3.0	0.5		1.2	1.0	1.3	1.1	3.0
PAT 205	MH 2743	0.0	2.0	1.7	0.6	0.0	0.0	1.0	2.5	0.5		1.2	0.9	1.0	0.9	2.5
PAT 206	MH 2744	0.5	1.5	1.6	0.1	0.0	0.0	0.0	1.5	0.0		1.2	0.7	0.4	0.6	1.6
PAT 207	MH 2746	1.5	2.0	2.3	0.8	1.5	1.0	0.5	4.0	1.0		1.9	1.6	1.6	1.6	4.0
PAT 208	MH 2747	1.5	2.0	2.1	0.4	0.0	1.0	0.0	3.5	0.0		1.9	1.2	1.1	1.2	3.5
PAT 209	MH 2748	1.0	2.0	1.6	1.3	0.5	1.0	1.5	2.5	0.0		1.5	1.3	1.3	1.3	2.5
PAT 210	MH 2749	1.0	1.5	1.6	0.3	0.0	1.0	0.5	2.0	0.5		1.4	0.9	1.0	0.9	2.0
PAT 211	MH 2754	1.0	2.5	1.9	0.3	1.0	2.0	0.5	4.0	0.0		1.8	1.3	1.6	1.5	4.0
PAT 212	MH 2758	1.5	1.5	1.5	0.1	0.0	1.0	1.0	2.0	0.5		1.5	0.9	1.1	1.0	2.0
PAT 213	MH 2682	0.0	1.5	1.3	0.3	1.0	0.0	0.0	0.0	0.0	DNP	0.9	0.8	0.0	0.5	1.5
PAT 214	MH 2767	0.0	2.0	1.5	0.4	0.0	0.0	0.0	0.5	0.0		1.2	0.8	0.1	0.5	2.0
PAT 215	MH 2773	0.0	2.0	1.2	0.3	1.0	0.0	1.5	0.0	0.0		1.1	0.9	0.4	0.7	2.0
PAT 216	MH 2775	0.0	2.0	2.3	0.3	1.0	1.0	1.0	1.0	0.5		1.4	1.1	0.9	1.0	2.3
PAT 217	MH 2777	0.5	1.5	1.5	0.0	1.5	1.0	0.0	1.5	1.0		1.2	1.0	0.9	0.9	1.5
PAT 218	MH 2784	1.5	1.5	1.7	0.0	2.0	1.0	0.0	1.5	0.0		1.6	1.3	0.6	1.0	2.0
PAT 219	MH 2709	1.0	1.5	1.4	0.1	1.0	1.0	0.0	1.5	0.0		1.3	1.0	0.6	0.8	1.5
PAT 220	MH 2712	0.0	1.5	1.5	0.0	0.0	0.0	0.5	0.5	0.0		1.0	0.6	0.3	0.4	1.5
PAT 221	MH 2717	1.5	2.0	1.5	0.2	1.0	0.0	1.0	2.5	0.5		1.7	1.2	1.0	1.1	2.5
PAT 222	MH 2795	0.0	2.0	1.3	0.0	0.0	0.0	0.0	1.0	0.0		1.1	0.7	0.3	0.5	2.0
PAT 223	MH 2796	0.0	2.0	1.4	0.2	0.0	0.0	1.0	1.5	0.0		1.1	0.7	0.6	0.7	2.0
PAT 224	MH 2797	1.0	0.5	1.9	0.3	1.5	1.0	1.0	2.0	0.5		1.1	1.0	1.1	1.1	2.0
PAT 225	MH 2798	0.0	0.5	1.5	0.0	0.0	0.0	0.0	1.0	0.5		0.7	0.4	0.4	0.4	1.5
PAT 226	MH 2801	0.0	0.5	1.4	0.0	0.0	1.0	0.0	1.5	0.0		0.6	0.4	0.6	0.5	1.5
PAT 227	MH 2806	1.5	1.5	2.2	0.3	1.0	1.0	0.0	2.0	0.0		1.7	1.3	0.8	1.1	2.2
PAT 228	MH 2808	0.0	1.5	1.1	0.0	1.5	0.0	1.0	1.5	0.0		0.9	0.8	0.6	0.7	1.5

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Table IV.6A: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Blast (0-9 scale) at 45 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 229	MP 637	1.0	1.5	2.0	0.9	1.0	1.0	1.0	2.5	0.5		1.5	1.3	1.3	1.3	2.5
PAT 230	HHB 67 Imp.	1.5	2.0	2.9	0.7	2.0	2.0	0.0	4.0	1.0		2.1	1.8	1.8	1.8	4.0
PAT 231	PB 1756	1.0	2.0	1.7	0.1	1.0	1.0	1.0	2.0	0.0		1.6	1.2	1.0	1.1	2.0
PAT 232	MPMH 35	1.0	1.5	1.8	0.0	1.5	0.0	0.0	2.0	0.5		1.4	1.2	0.6	0.9	2.0
PAT 233	RHB 223	1.0	1.5	1.7	0.4	1.0	1.0	0.0	2.5	0.0		1.4	1.1	0.9	1.0	2.5
PAT 234	AHB 1269	1.0	2.0	2.0	0.4	1.5	1.0	1.0	3.5	1.0		1.7	1.4	1.6	1.5	3.5
PAT 235	86M01	0.5	2.0	2.2	0.8	0.5	2.0	1.0	4.5	2.0		1.6	1.2	2.4	1.7	4.5
PAT 236	Pratap	2.5	2.0	3.1	0.4	1.5	2.0	2.0	5.5	2.5		2.5	1.9	3.0	2.4	5.5
PAT 237	KBH 108	1.5	2.0	2.5	0.4	2.0	2.0	0.0	3.5	0.0		2.0	1.7	1.4	1.5	3.5
PAT 238	86M86	1.0	2.0	1.2	0.1	2.0	1.0	0.0	3.0	0.0		1.4	1.3	1.0	1.1	3.0
PAT 239	86M84	1.5	2.0	2.6	0.4	1.0	1.5	0.0	3.0	0.0		2.0	1.5	1.1	1.3	3.0
PAT 240	MP 7878	1.0	1.0	1.8	0.1	1.0	2.0	1.5	4.0	0.0		1.3	1.0	1.9	1.4	4.0
PAT 241	Kaveri S Boss	0.0	2.0	1.9	0.3	1.0	0.0	0.5	2.0	0.0		1.3	1.0	0.6	0.9	2.0
PAT 242	NBH 4903	1.0	2.5	2.7	0.4	1.0	1.0	0.5	3.5	0.0		2.1	1.5	1.3	1.4	3.5
PAT 243	AHB 1200	0.5	2.0	2.5	0.4	2.5	1.0	1.0	4.0	1.5		1.7	1.6	1.9	1.7	4.0
PAT 244	Raj 171	1.5	2.0	2.0	0.3	2.0	1.0	0.0	3.5	0.0		1.8	1.6	1.1	1.4	3.5
PAT 245	JBV 2	0.5	2.0	2.1	0.0	0.5	1.0	1.0	2.5	0.0		1.5	1.0	1.1	1.1	2.5
PAT 246	Dhanshakti	1.0	2.0	2.0	0.4	2.0	1.0	1.5	5.0	2.5		1.7	1.5	2.5	1.9	5.0
PAT 247	ICMV 221	2.5	2.0	1.6	1.2	1.5	2.0	1.0	5.0	0.5		2.0	1.8	2.1	1.9	5.0
PAT 248	Pusa Comp. 383	1.0	2.0	2.2	0.2	0.0	1.0	2.0	2.5	0.0		1.7	1.1	1.4	1.2	2.5
PAT 249	Pusa Comp. 701	2.5	2.0	1.7	0.0	1.5	0.0	1.0	2.5	0.0		2.3	1.5	0.9	1.2	2.5
	<b>Entry Mean</b>	<b>0.8</b>	<b>1.8</b>	<b>1.8</b>	<b>0.3</b>	<b>0.9</b>	<b>0.9</b>	<b>0.7</b>	<b>2.5</b>	<b>0.4</b>		<b>1.3</b>	<b>1.1</b>	<b>1.1</b>	<b>1.1</b>	<b>2.5</b>

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Table IV.6B: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Blast (0-9 scale) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 201	MH 2672	2.0	3.0	2.2	2.8	1.5	3.0	2.5	4.5	2.5	4.0	2.4	2.3	3.3	2.8	4.5
PAT 202	MH 2673	1.0	3.0	2.2	2.0	3.0	2.0	1.5	4.0	1.0	4.5	2.1	2.2	2.6	2.4	4.5
PAT 203	MH 2675	1.0	2.5	1.5	2.3	0.5	3.0	2.0	4.0	2.0	5.0	1.7	1.6	3.2	2.4	5.0
PAT 204	MH 2678	1.0	3.0	1.6	2.4	2.5	3.0	2.0	4.5	1.0	4.5	1.9	2.1	3.0	2.6	4.5
PAT 205	MH 2743	0.5	3.0	2.0	2.9	0.5	0.0	3.0	3.5	1.0	6.0	1.8	1.8	2.7	2.2	6.0
PAT 206	MH 2744	1.5	3.0	2.0	2.9	0.5	1.0	1.0	2.5	0.5	4.5	2.2	2.0	1.9	1.9	4.5
PAT 207	MH 2746	2.5	2.5	2.6	5.0	3.0	4.0	1.0	5.5	2.0	3.0	2.5	3.1	3.1	3.1	5.5
PAT 208	MH 2747	2.5	3.0	2.1	3.5	1.5	3.0	2.0	5.0	0.5	4.0	2.5	2.5	2.9	2.7	5.0
PAT 209	MH 2748	2.5	3.0	2.0	2.7	1.5	2.0	3.5	3.5	1.0	3.5	2.5	2.3	2.7	2.5	3.5
PAT 210	MH 2749	2.5	2.5	1.9	1.7	0.5	2.0	1.0	3.5	0.5	4.0	2.3	1.8	2.2	2.0	4.0
PAT 211	MH 2754	3.5	3.5	3.0	4.5	2.5	3.0	2.5	5.0	0.5	4.0	3.3	3.4	3.0	3.2	5.0
PAT 212	MH 2758	2.5	2.5	2.0	3.2	1.5	2.0	3.0	3.5	1.5	4.5	2.3	2.3	2.9	2.6	4.5
PAT 213	MH 2682	0.0	2.0	1.9	1.7	2.5	0.0	0.0	0.0	1.0	4.5	1.3	1.6	1.1	1.4	4.5
PAT 214	MH 2767	0.0	2.5	2.0	1.8	1.5	1.0	0.0	1.0	0.5	4.0	1.5	1.6	1.3	1.4	4.0
PAT 215	MH 2773	0.0	2.5	1.7	2.4	2.0	0.0	1.5	0.0	0.0	4.0	1.4	1.7	1.1	1.4	4.0
PAT 216	MH 2775	0.0	2.5	2.6	0.9	2.0	1.0	1.5	2.0	1.5	4.0	1.7	1.6	2.0	1.8	4.0
PAT 217	MH 2777	0.5	2.5	1.8	1.3	3.0	2.0	0.0	2.5	2.0	4.5	1.6	1.8	2.2	2.0	4.5
PAT 218	MH 2784	2.5	2.0	1.9	0.4	3.5	1.0	0.0	2.5	0.5	3.5	2.1	2.1	1.5	1.8	3.5
PAT 219	MH 2709	2.0	2.0	2.0	0.7	3.0	1.0	0.0	2.5	0.5	3.0	2.0	1.9	1.4	1.7	3.0
PAT 220	MH 2712	0.0	2.0	2.0	0.7	1.0	0.0	1.5	1.0	0.5	4.5	1.3	1.1	1.5	1.3	4.5
PAT 221	MH 2717	2.5	2.5	1.7	1.7	3.0	1.0	2.0	3.5	1.5	4.5	2.2	2.3	2.5	2.4	4.5
PAT 222	MH 2795	0.5	2.5	1.8	1.9	1.0	0.5	0.0	1.5	0.0	3.0	1.6	1.5	1.0	1.3	3.0
PAT 223	MH 2796	0.0	2.5	1.9	1.5	1.0	1.0	1.5	2.0	0.0	3.5	1.5	1.4	1.6	1.5	3.5
PAT 224	MH 2797	2.0	0.5	2.1	1.3	3.0	2.0	2.0	3.0	1.0	2.5	1.5	1.8	2.1	1.9	3.0
PAT 225	MH 2798	0.0	1.0	1.7	0.3	1.0	0.5	0.5	1.0	1.5	5.0	0.9	0.8	1.7	1.3	5.0
PAT 226	MH 2801	0.0	1.0	1.7	0.3	1.0	1.0	0.5	2.5	0.5	3.5	0.9	0.8	1.6	1.2	3.5
PAT 227	MH 2806	2.0	2.5	2.7	2.4	3.0	2.0	0.0	3.0	0.5	4.5	2.4	2.5	2.0	2.3	4.5
PAT 228	MH 2808	0.0	2.5	1.5	0.7	3.0	1.0	2.0	2.5	0.5	3.0	1.3	1.5	1.8	1.7	3.0
PAT 229	MP 637	2.0	2.5	2.4	2.7	3.0	2.0	2.0	4.0	1.0	3.5	2.3	2.5	2.5	2.5	4.0

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Table IV.6B: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Blast (0-9 scale) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 230	HHB 67 Imp.	2.5	3.0	3.0	4.5	4.0	4.0	0.5	6.5	1.0	3.0	2.8	3.4	3.0	3.2	6.5
PAT 231	PB 1756	2.5	3.0	2.2	1.1	3.0	2.0	1.5	3.0	0.5	4.0	2.6	2.4	2.2	2.3	4.0
PAT 232	MPMH 35	1.5	2.5	2.7	0.2	3.5	2.0	0.0	3.0	1.5	4.5	2.2	2.1	2.2	2.1	4.5
PAT 233	RHB 223	2.0	2.5	2.1	2.7	3.0	2.0	1.5	3.5	0.0	4.5	2.2	2.5	2.3	2.4	4.5
PAT 234	AHB 1269	2.0	3.0	2.3	3.0	3.0	3.0	2.5	5.0	2.0	4.0	2.4	2.7	3.3	3.0	5.0
PAT 235	86M01	2.0	3.0	2.5	4.8	2.5	3.0	3.5	5.5	3.0	3.5	2.5	3.0	3.7	3.3	5.5
PAT 236	Pratap	3.5	3.0	3.5	5.8	3.5	4.5	4.0	8.0	4.0	4.0	3.3	3.9	4.9	4.4	8.0
PAT 237	KBH 108	2.5	3.0	2.6	3.3	4.0	3.0	1.0	4.5	0.0	3.5	2.7	3.1	2.4	2.7	4.5
PAT 238	86M86	2.0	3.0	1.8	2.0	3.5	2.0	0.5	4.0	1.0	3.0	2.3	2.5	2.1	2.3	4.0
PAT 239	86M84	2.5	3.0	2.6	1.8	3.0	3.0	0.5	4.0	0.0	3.0	2.7	2.6	2.1	2.3	4.0
PAT 240	MP 7878	1.0	1.5	2.0	1.8	3.0	2.0	2.5	5.0	0.5	3.5	1.5	1.9	2.7	2.3	5.0
PAT 241	Kaveri S Boss	0.0	3.0	2.2	1.3	2.5	1.0	2.5	3.0	1.0	3.5	1.7	1.8	2.2	2.0	3.5
PAT 242	NBH 4903	1.0	3.5	2.6	3.5	3.0	2.0	1.0	4.5	0.5	3.5	2.4	2.7	2.3	2.5	4.5
PAT 243	AHB 1200	2.0	3.0	3.3	4.0	4.0	2.0	3.0	5.5	3.0	3.0	2.8	3.3	3.3	3.3	5.5
PAT 244	Raj 171	2.5	3.0	2.8	2.3	4.0	2.0	0.5	4.5	0.5	3.0	2.8	2.9	2.1	2.5	4.5
PAT 245	JBV 2	2.0	3.0	2.3	1.2	2.5	1.0	2.5	3.5	0.0	5.0	2.4	2.2	2.4	2.3	5.0
PAT 246	Dhanshakti	2.5	3.0	2.3	3.4	4.0	3.0	3.0	7.0	3.5	5.0	2.6	3.0	4.3	3.7	7.0
PAT 247	ICMV 221	3.5	3.0	2.2	5.1	3.5	3.0	2.5	7.0	1.5	4.5	2.9	3.5	3.7	3.6	7.0
PAT 248	Pusa Comp. 383	2.0	3.0	2.6	2.5	1.0	2.0	3.5	3.5	1.0	4.0	2.5	2.2	2.8	2.5	4.0
PAT 249	Pusa Comp. 701	3.0	3.0	2.1	0.2	2.5	1.0	3.0	3.5	0.0	4.5	3.0	2.2	2.4	2.3	4.5
	<b>Entry Mean</b>	<b>1.6</b>	<b>2.6</b>	<b>2.2</b>	<b>2.3</b>	<b>2.4</b>	<b>1.9</b>	<b>1.6</b>	<b>3.6</b>	<b>1.1</b>	<b>3.9</b>	<b>2.1</b>	<b>2.2</b>	<b>2.4</b>	<b>2.3</b>	<b>3.9</b>



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Table IV.6C: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Rust (% leaf area) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 201	MH 2672		0.0	0.0	0.0		21.0	0.0	15.0	27.5	40.0	0.0	0.0	20.7	12.9	40.0
PAT 202	MH 2673		0.0	0.0	0.0		23.0	0.5	10.0	22.5	45.0	0.0	0.0	20.2	12.6	45.0
PAT 203	MH 2675		0.0	0.0	0.0		21.0	0.0	12.5	25.0	50.0	0.0	0.0	21.7	13.6	50.0
PAT 204	MH 2678		0.0	0.0	0.0		17.0	0.0	10.0	26.5	50.0	0.0	0.0	20.7	12.9	50.0
PAT 205	MH 2743		0.0	0.0	0.0		19.0	1.0	15.0	28.5	25.0	0.0	0.0	17.7	11.1	28.5
PAT 206	MH 2744		0.0	0.0	0.0		23.0	0.0	15.0	22.5	35.0	0.0	0.0	19.1	11.9	35.0
PAT 207	MH 2746		0.0	0.0	0.0		21.0	0.0	12.5	26.5	30.0	0.0	0.0	18.0	11.3	30.0
PAT 208	MH 2747		0.0	0.0	0.0		24.0	0.0	2.5	16.5	35.0	0.0	0.0	15.6	9.8	35.0
PAT 209	MH 2748		0.0	0.0	0.0		19.0	1.0	7.5	17.5	45.0	0.0	0.0	18.0	11.3	45.0
PAT 210	MH 2749		0.0	1.5	0.0		11.0	2.5	5.0	7.5	40.0	0.8	0.5	13.2	8.4	40.0
PAT 211	MH 2754		0.0	0.0	0.0		15.0	0.0	5.0	13.5	55.0	0.0	0.0	17.7	11.1	55.0
PAT 212	MH 2758		0.0	0.0	0.0		18.0	0.0	5.0	25.0	55.0	0.0	0.0	20.6	12.9	55.0
PAT 213	MH 2682		0.0	0.0	0.0		8.0	0.0	5.0	5.0	40.0	0.0	0.0	11.6	7.3	40.0
PAT 214	MH 2767		0.0	0.0	0.0		13.0	0.0	7.5	15.0	45.0	0.0	0.0	16.1	10.1	45.0
PAT 215	MH 2773		0.0	0.0	0.0		13.0	0.0	7.5	6.5	45.0	0.0	0.0	14.4	9.0	45.0
PAT 216	MH 2775	DNP	0.0	0.0	0.0	DNP	16.0	0.0	7.5	10.0	45.0	0.0	0.0	15.7	9.8	45.0
PAT 217	MH 2777		0.0	2.5	0.0		14.0	0.0	5.0	12.5	55.0	1.3	0.8	17.3	11.1	55.0
PAT 218	MH 2784		0.0	0.0	0.0		12.0	0.0	7.5	6.5	45.0	0.0	0.0	14.2	8.9	45.0
PAT 219	MH 2709		0.0	0.0	0.0		11.0	0.0	2.5	7.5	60.0	0.0	0.0	16.2	10.1	60.0
PAT 220	MH 2712		0.0	0.0	0.0		13.0	0.5	5.0	4.0	25.0	0.0	0.0	9.5	5.9	25.0
PAT 221	MH 2717		0.0	0.0	0.0		17.0	1.0	12.5	12.5	50.0	0.0	0.0	18.6	11.6	50.0
PAT 222	MH 2795		0.0	0.0	0.0		20.0	0.0	5.0	10.0	55.0	0.0	0.0	18.0	11.3	55.0
PAT 223	MH 2796		0.0	0.0	0.0		21.0	3.5	7.5	16.5	50.0	0.0	0.0	19.7	12.3	50.0
PAT 224	MH 2797		0.0	0.0	0.0		21.0	5.0	7.5	7.5	45.0	0.0	0.0	17.2	10.8	45.0
PAT 225	MH 2798		0.0	0.0	0.0		16.0	0.0	20.0	12.5	40.0	0.0	0.0	17.7	11.1	40.0
PAT 226	MH 2801		0.0	0.0	0.0		18.0	0.0	0.0	7.5	10.0	0.0	0.0	7.1	4.4	18.0
PAT 227	MH 2806		0.0	0.0	0.0		19.0	0.0	17.5	12.5	35.0	0.0	0.0	16.8	10.5	35.0
PAT 228	MH 2808		0.0	0.0	0.0		15.0	0.0	7.5	6.5	10.0	0.0	0.0	7.8	4.9	15.0
PAT 229	MP 637		0.0	0.0	0.0		14.0	1.0	10.0	11.5	60.0	0.0	0.0	19.3	12.1	60.0

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Table IV.6C: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Rust (% leaf area) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 230	HHB 67 Imp.		0.0	0.0	0.0		13.0	0.0	15.0	17.5	30.0	0.0	0.0	15.1	9.4	30.0
PAT 231	PB 1756		0.0	0.0	0.0		13.0	1.0	0.0	7.5	40.0	0.0	0.0	12.3	7.7	40.0
PAT 232	MPMH 35		0.0	0.0	0.0		12.0	0.0	5.0	5.0	35.0	0.0	0.0	11.4	7.1	35.0
PAT 233	RHB 223		0.0	0.0	0.0		15.0	0.0	5.0	6.5	55.0	0.0	0.0	16.3	10.2	55.0
PAT 234	AHB 1269		0.0	0.0	0.0		17.0	0.0	7.5	7.5	45.0	0.0	0.0	15.4	9.6	45.0
PAT 235	86M01		0.0	0.0	0.0		12.0	0.0	0.0	5.0	45.0	0.0	0.0	12.4	7.8	45.0
PAT 236	Pratap		0.0	0.0	0.0		10.0	0.0	0.0	5.0	45.0	0.0	0.0	12.0	7.5	45.0
PAT 237	KBH 108		0.0	0.0	0.0		11.0	0.0	2.5	14.0	55.0	0.0	0.0	16.5	10.3	55.0
PAT 238	86M86		0.0	0.0	0.0		17.0	0.0	2.5	9.0	35.0	0.0	0.0	12.7	7.9	35.0
PAT 239	86M84		0.0	0.0	0.0		14.0	1.0	2.5	5.0	45.0	0.0	0.0	13.5	8.4	45.0
PAT 240	MP 7878		0.0	0.0	0.0		17.0	0.0	2.5	5.0	35.0	0.0	0.0	11.9	7.4	35.0
PAT 241	Kaveri Super Boss		0.0	0.0	0.0		15.0	0.0	5.0	7.5	45.0	0.0	0.0	14.5	9.1	45.0
PAT 242	NBH 4903		0.0	0.0	0.0		18.0	0.0	2.5	10.0	35.0	0.0	0.0	13.1	8.2	35.0
PAT 243	AHB 1200		0.0	0.0	0.0		19.0	0.0	7.5	12.5	55.0	0.0	0.0	18.8	11.8	55.0
PAT 244	Raj 171		0.0	0.0	0.0		20.0	1.5	25.0	17.5	65.0	0.0	0.0	25.8	16.1	65.0
PAT 245	JBV 2		0.0	0.0	0.0		12.0	0.0	5.0	6.5	35.0	0.0	0.0	11.7	7.3	35.0
PAT 246	Dhanshakti		0.0	0.0	0.0		9.0	0.0	25.0	12.5	15.0	0.0	0.0	12.3	7.7	25.0
PAT 247	ICMV 221		0.0	0.0	0.0		13.0	2.5	12.5	12.5	40.0	0.0	0.0	16.1	10.1	40.0
PAT 248	Pusa Comp. 383		0.0	0.0	0.0		18.0	0.0	5.0	15.0	45.0	0.0	0.0	16.6	10.4	45.0
PAT 249	Pusa Comp. 701		0.0	0.0	0.0		21.0	0.0	20.0	17.5	45.0	0.0	0.0	20.7	12.9	45.0
<b>Entry mean</b>			<b>0.0</b>	<b>0.1</b>	<b>0.0</b>		<b>16.1</b>	<b>0.4</b>	<b>8.2</b>	<b>12.7</b>	<b>42.1</b>	<b>0.0</b>	<b>0.0</b>	<b>15.9</b>	<b>9.9</b>	<b>42.1</b>

\* Data Not Provided - (DNP)

CHAPTER IV: PLANT PATHOLOGY

Table IV.6D: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Smut (severity %) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 201	MH 2672		0.0	0.0	0.0	17.5	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	1.9	17.5
PAT 202	MH 2673		0.0	0.0	0.0	20.0	0.0	0.5	0.0	0.0	0.0	0.0	5.0	0.1	2.3	20.0
PAT 203	MH 2675		5.0	0.0	11.0	22.5	0.0	0.0	2.5	0.0	2.5	2.5	9.6	1.0	4.8	22.5
PAT 204	MH 2678		4.0	0.0	5.0	15.0	0.0	0.0	2.5	0.0	0.0	2.0	6.0	0.5	2.9	15.0
PAT 205	MH 2743		0.0	0.0	12.0	0.0	0.0	1.0	2.5	0.0	0.0	0.0	3.0	0.7	1.7	12.0
PAT 206	MH 2744		2.5	0.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0	1.3	3.6	0.0	1.6	6.0
PAT 207	MH 2746		8.5	0.0	8.5	25.0	0.0	0.0	7.5	0.0	0.0	4.3	10.5	1.5	5.5	25.0
PAT 208	MH 2747		16.5	0.0	0.0	12.5	0.0	0.0	12.5	0.0	0.0	8.3	7.3	2.5	4.6	16.5
PAT 209	MH 2748		0.0	0.0	0.0	27.5	0.0	1.0	0.0	0.0	0.0	0.0	6.9	0.2	3.2	27.5
PAT 210	MH 2749		0.0	1.5	3.5	15.0	0.0	2.5	5.0	0.0	0.0	0.8	5.0	1.5	3.1	15.0
PAT 211	MH 2754		2.5	0.0	0.0	22.5	0.0	0.0	6.0	0.0	0.0	1.3	6.3	1.2	3.4	22.5
PAT 212	MH 2758		0.0	0.0	0.5	15.0	0.0	0.0	5.0	0.0	0.0	0.0	3.9	1.0	2.3	15.0
PAT 213	MH 2682		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 214	MH 2767		0.0	0.0	1.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.4	2.5
PAT 215	MH 2773		0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	2.5	0.0	5.0	0.5	2.5	20.0
PAT 216	MH 2775		1.0	0.0	0.0	72.5	0.0	0.0	0.0	0.0	0.0	0.5	18.4	0.0	8.2	72.5
PAT 217	MH 2777		0.0	2.5	1.0	15.0	0.0	0.0	0.0	0.0	0.0	1.3	4.6	0.0	2.1	15.0
PAT 218	MH 2784	DNP	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.8	7.5
PAT 219	MH 2709		0.0	0.0	1.5	15.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	1.8	15.0
PAT 220	MH 2712		0.0	0.0	0.0	27.5	0.0	0.5	0.0	0.0	0.0	0.0	6.9	0.1	3.1	27.5
PAT 221	MH 2717		0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	1.0
PAT 222	MH 2795		0.0	0.0	2.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.5	2.5
PAT 223	MH 2796		2.5	0.0	3.0	15.0	0.0	3.5	0.0	0.0	0.0	1.3	5.1	0.7	2.7	15.0
PAT 224	MH 2797		0.0	0.0	0.0	35.0	0.0	5.0	1.0	0.0	0.0	0.0	8.8	1.2	4.6	35.0
PAT 225	MH 2798		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 226	MH 2801		0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.6	5.0
PAT 227	MH 2806		0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.8	7.5
PAT 228	MH 2808		0.0	0.0	0.0	27.5	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	3.1	27.5
PAT 229	MP 637		2.5	0.0	0.0	15.0	0.0	1.0	0.0	0.0	0.0	1.3	4.4	0.2	2.1	15.0

CHAPTER IV: PLANT PATHOLOGY

Table IV.6D: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): Smut (severity %) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 230	HHB 67 Imp.		3.0	0.0	4.5	10.0	0.0	0.0	0.0	0.0	0.0	1.5	4.4	0.0	1.9	10.0
PAT 231	PB 1756		0.0	0.0	0.0	10.0	0.0	1.0	0.0	0.0	0.0	0.0	2.5	0.2	1.2	10.0
PAT 232	MPMH 35		0.0	0.0	0.0	27.5	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	3.1	27.5
PAT 233	RHB 223		0.0	0.0	0.0	47.5	0.0	0.0	0.0	0.0	0.0	0.0	11.9	0.0	5.3	47.5
PAT 234	AHB 1269		0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	3.9	35.0
PAT 235	86M01		0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.8	7.0
PAT 236	Pratap		0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	1.0
PAT 237	KBH 108		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 238	86M86		0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	3.0
PAT 239	86M84		0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	1.0
PAT 240	MP 7878		0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.5
PAT 241	Kaveri Super Boss		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 242	NBH 4903		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 243	AHB 1200		2.5	0.0	7.5	20.0	0.0	0.0	1.0	0.0	0.0	1.3	7.5	0.2	3.4	20.0
PAT 244	Raj 171		1.5	0.0	1.0	15.0	0.0	1.5	0.0	0.0	0.0	0.8	4.4	0.3	2.1	15.0
PAT 245	JBV 2		0.0	0.0	4.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	1.7	11.5
PAT 246	Dhanshakti		0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.8	7.5
PAT 247	ICMV 221		0.0	0.0	0.0	15.0	0.0	2.5	0.0	0.0	0.0	0.0	3.8	0.5	1.9	15.0
PAT 248	Pusa Comp. 383		0.0	0.0	0.0	15.0	0.0	0.0	5.0	0.0	0.0	0.0	3.8	1.0	2.2	15.0
PAT 249	Pusa Comp. 701		0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.6	5.0
	<b>Entry mean</b>		<b>1.1</b>	<b>0.1</b>	<b>1.5</b>	<b>14.2</b>	<b>0.0</b>	<b>0.4</b>	<b>1.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.6</b>	<b>4.2</b>	<b>0.3</b>	<b>2.0</b>	<b>14.2</b>

\* Data Not Provided - (DNP)

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Table IV.6E: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): ERGOT severity at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 201	MH 2672		3.0		0.0	0.0	1.0	0.0	0.0	6.5	0.0	3.0	1.0	1.5	1.3	6.5
PAT 202	MH 2673		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	2.5
PAT 203	MH 2675		2.5		0.0	7.5	0.0	0.5	0.0	1.5	0.0	2.5	3.3	0.4	1.5	7.5
PAT 204	MH 2678		1.5		0.0	2.5	0.0	0.0	0.0	0.0	0.0	1.5	1.3	0.0	0.5	2.5
PAT 205	MH 2743		4.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	4.0	2.2	0.0	0.8	4.0
PAT 206	MH 2744		2.5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.8	0.0	0.3	2.5
PAT 207	MH 2746		6.5		0.0	5.0	0.0	0.0	0.0	5.0	0.0	6.5	3.8	1.0	2.1	6.5
PAT 208	MH 2747		7.5		0.0	2.5	0.0	0.0	0.0	0.0	0.0	7.5	3.3	0.0	1.3	7.5
PAT 209	MH 2748		6.5		0.0	2.5	0.0	0.0	0.0	1.0	0.0	6.5	3.0	0.2	1.3	6.5
PAT 210	MH 2749		0.0		0.0	2.5	0.0	0.5	0.0	0.0	0.0	0.0	0.8	0.1	0.4	2.5
PAT 211	MH 2754		2.5		0.0	10.0	0.0	0.0	0.0	0.0	7.5	2.5	4.2	1.5	2.5	10.0
PAT 212	MH 2758		0.0		0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.8	0.5	4.0
PAT 213	MH 2682		2.5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.8	0.0	0.3	2.5
PAT 214	MH 2767		0.0		0.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0	1.7	0.2	0.8	5.0
PAT 215	MH 2773		0.0		0.0	5.0	0.0	1.0	0.0	0.0	0.0	0.0	1.7	0.2	0.8	5.0
PAT 216	MH 2775		0.0		0.0	2.5	0.0	0.0	0.0	2.5	7.5	0.0	0.8	2.0	1.6	7.5
PAT 217	MH 2777	DNP	0.0	DNP	0.0	2.5	0.0	0.0	0.0	4.0	0.0	0.0	0.8	0.8	0.8	4.0
PAT 218	MH 2784		2.5		0.0	2.5	0.0	0.0	0.0	0.0	2.5	2.5	1.7	0.5	0.9	2.5
PAT 219	MH 2709		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	2.5
PAT 220	MH 2712		3.0		0.0	7.5	0.0	0.0	0.0	0.0	0.0	3.0	3.5	0.0	1.3	7.5
PAT 221	MH 2717		0.0		0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.8	0.5	4.0
PAT 222	MH 2795		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 223	MH 2796		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 224	MH 2797		0.0		0.0	12.5	1.0	0.0	0.0	0.0	0.0	0.0	4.2	0.2	1.7	12.5
PAT 225	MH 2798		0.0		0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.5	0.3	2.5
PAT 226	MH 2801		0.0		0.0	10.0	1.0	0.0	0.0	5.0	0.0	0.0	3.3	1.2	2.0	10.0
PAT 227	MH 2806		0.0		0.0	2.5	0.0	0.5	0.0	2.5	0.0	0.0	0.8	0.6	0.7	2.5
PAT 228	MH 2808		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	2.5
PAT 229	MP 637		0.0		0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.6	5.0

CHAPTER IV: PLANT PATHOLOGY

Table IV.6E: Disease screening of Advance Pearl Millet Hybrids and Varieties (PMPT II): ERGOT severity at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	PTR	Mean				MAX
												Zone A <sub>1</sub>	Zone A	Zone B	India	
PAT 230	HHB 67 Imp.		4.0		0.0	2.5	0.0	0.0	0.0	3.0	0.0	4.0	2.2	0.6	1.2	4.0
PAT 231	PB 1756		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	2.5
PAT 232	MPMH 35		0.0		0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	1.5	0.9	7.5
PAT 233	RHB 223		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	2.5
PAT 234	AHB 1269		2.5		0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	0.8	0.5	0.6	2.5
PAT 235	86M01		0.0		0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	1.0	0.6	5.0
PAT 236	Pratap		0.0		0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	1.5	0.9	7.5
PAT 237	KBH 108		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 238	86M86		0.0		0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.2	0.1	1.0
PAT 239	86M84		2.5		0.0	2.5	1.0	0.0	0.0	0.0	0.0	2.5	1.7	0.2	0.8	2.5
PAT 240	MP 7878		0.0		0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	2.5
PAT 241	Kaveri S Boss		1.5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.5	0.0	0.2	1.5
PAT 242	NBH 4903		0.0		0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.6	5.0
PAT 243	AHB 1200		0.0		0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.5	0.3	2.5
PAT 244	Raj 171		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PAT 245	JBV 2		4.0		0.0	5.0	0.0	0.0	0.0	0.0	10.0	4.0	3.0	2.0	2.4	10.0
PAT 246	Dhanshakti		2.0		0.0	2.5	0.0	0.0	0.0	3.0	0.0	2.0	1.5	0.6	0.9	3.0
PAT 247	ICMV 221		2.5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.8	0.0	0.3	2.5
PAT 248	Pusa Comp. 383		0.0		0.0	5.0	0.0	0.0	0.0	2.5	0.0	0.0	1.7	0.5	0.9	5.0
PAT 249	Pusa Comp. 701		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>Entry mean</b>		<b>1.3</b>		<b>0.0</b>	<b>2.6</b>	<b>0.1</b>	<b>0.05</b>	<b>0.0</b>	<b>1.4</b>	<b>0.7</b>	<b>1.3</b>	<b>1.3</b>	<b>0.45</b>	<b>0.77</b>	<b>2.6</b>

\* Data Not Provided - (DNP)

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Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
IR I		73.4	76.7	90.0	64.9	71.2	80.0	85.3	96.4	97.1	80.0	75.3	89.7	81.7	97.1
IR II		70.7	82.4	93.1	52.6	7.7	83.0	86.3	69.6	89.6	82.1	61.3	82.1	70.5	93.1
PRT 301	MPMH 42	0.0	1.3	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.4	0.3	0.3	0.3	1.3
PRT 302	MPMH 35	0.0	2.9	0.0	1.7	0.0	2.0	0.0	3.5	0.0	1.0	0.9	1.4	1.1	3.5
PRT 303	RHB 223	0.0	6.4	8.3	4.1	0.0	2.0	1.3	2.4	0.0	4.9	3.8	1.4	2.7	8.3
PRT 304	PB 1756	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	1.0
PRT 305	HHB 272	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IR I		74.4	76.3	91.3	69.7	82.6	79.0	91.1	96.7	93.4	80.6	78.9	90.1	83.8	96.7
IR II		70.1	77.5	100.0	60.3	5.6	82.0	89.7	75.9	90.8	82.5	62.7	84.6	72.4	100.0
PRT 306	GHB 719	0.0	3.4	2.2	4.3	0.0	3.0	0.0	4.3	0.0	1.9	2.0	1.8	1.9	4.3
PRT 307	GHB 538	0.0	0.0	0.0	0.0	4.0	2.0	0.0	0.0	0.0	0.0	0.8	0.5	0.7	4.0
PRT 308	HHB 67 Imp.	0.0	3.4	0.0	1.9	4.9	2.0	0.0	1.1	0.0	1.1	2.0	0.8	1.5	4.9
PRT 309	86M94	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	1.0
PRT 310	DHBH 1397	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.1	1.5	0.0	0.0	1.1	0.5	2.1
IR I		74.0	80.3	91.9	61.5	77.6	81.0	85.7	98.3	93.1	82.0	77.1	89.5	82.6	98.3
IR II		70.1	78.5	94.6	56.5	6.3	78.0	80.0	83.3	92.6	81.1	61.2	83.5	71.1	94.6
PRT 311	PB 1852	0.0	0.0	0.0	0.0	2.7	1.0	0.0	0.0	0.0	0.0	0.5	0.3	0.4	2.7
PRT 312	86M01	0.0	4.3	0.0	2.4	0.0	2.0	0.0	2.5	0.0	1.4	1.3	1.1	1.2	4.3
PRT 313	GHB 905	0.0	1.3	1.9	0.0	1.6	1.0	0.0	0.0	0.0	1.0	0.9	0.3	0.6	1.9
PRT 314	RHB 173	0.0	0.0	3.3	0.0	0.0	1.0	0.0	NG	-	1.1	0.7	0.5	0.6	3.3
PRT 315	GHB 732	0.0	0.0	0.0	0.0	1.3	1.0	0.0	2.2	0.0	0.0	0.3	0.8	0.5	2.2
IR I		72.4	76.3	75.7	72.7	73.9	80.0	84.6	94.5	93.3	74.8	74.2	88.1	80.4	94.5
IR II		70.4	77.5	71.4	67.7	8.0	80.0	94.7	75.3	93.7	73.1	59.0	86.0	71.0	94.7
PRT 316	GHB 744	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	1.0
PRT 317	86M80	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	1.0
PRT 318	MP 7878	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.5	0.0	0.0	0.0	0.9	0.4	2.5
PRT 319	86M84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.3	0.1	1.2
PRT 320	KBH 108	1.2	1.3	0.0	0.0	0.0	1.0	0.0	1.2	0.0	0.8	0.5	0.6	0.5	1.3
IR I		73.0	75.0	80.0	63.2	69.1	78.0	71.8	100.0	93.9	76.0	72.1	85.9	78.2	100.0
IR II		69.9	70.3	70.4	80.4	7.6	81.0	79.5	74.1	95.6	70.2	59.7	82.5	69.8	95.6

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Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 321	Kaveri S Boss	0.0	4.0	0.0	1.9	0.0	1.0	0.0	0.0	0.0	1.3	1.2	0.3	0.8	4.0
PRT 322	86M86	1.3	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.4	0.9	0.3	0.6	3.0
PRT 323	RHB 233	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	0.0	0.0	0.8	0.3	2.0
PRT 324	RHB 234	0.0	0.0	0.0	0.0	3.0	2.0	0.0	4.6	0.0	0.0	0.6	1.6	1.1	4.6
PRT 325	AHB 1269	0.0	1.4	0.0	1.9	5.3	3.0	0.0	6.5	0.0	0.5	1.7	2.4	2.0	6.5
IR I		72.2	81.3	87.9	75.4	76.3	81.0	87.3	97.2	92.8	80.4	78.6	89.6	83.5	97.2
IR II		71.1	76.7	100.0	59.3	5.9	80.0	94.9	79.8	90.0	82.6	62.6	86.2	73.1	100.0
PRT 326	AHB 1200	1.2	1.4	0.0	0.0	2.7	3.0	0.0	7.1	0.0	0.8	1.0	2.5	1.7	7.1
PRT 327	HHB 299	0.0	1.4	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	1.4
PRT 328	Dhanshakti	3.1	0.0	0.0	0.0	0.0	2.0	0.0	6.9	0.0	1.0	0.6	2.2	1.3	6.9
PRT 329	ICMV 221	1.6	1.6	0.0	0.0	6.0	2.0	0.0	6.4	0.0	1.0	1.8	2.1	1.9	6.4
PRT330	Pusa Comp. 701	1.5	4.5	0.0	3.9	6.9	1.0	0.0	1.1	0.0	2.0	3.4	0.5	2.1	6.9
IR I		71.6	86.3	77.3	68.9	72.1	81.0	91.1	100.0	94.1	78.4	75.2	91.6	82.5	100.0
IR II		70.1	77.5	93.9	61.3	8.5	80.0	86.1	68.7	92.7	80.5	62.3	81.9	71.0	93.9
PRT 331	Pusa Comp. 383	0.0	0.0	0.0	0.0	5.4	2.0	0.0	1.1	0.0	0.0	1.1	0.8	0.9	5.4
PRT 332	JBV 2	0.0	3.0	0.0	0.0	5.5	2.0	0.0	3.3	0.0	1.0	1.7	1.3	1.5	5.5
PRT 333	Raj 171	1.5	4.8	0.0	1.4	8.6	3.0	0.0	5.5	1.7	2.1	3.3	2.5	2.9	8.6
PRT 334	Mahabeej 1005	0.0	1.6	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	1.6
PRT335	Pratap (MH 1642)	1.4	5.2	0.0	2.6	5.0	3.0	0.0	7.2	0.0	2.2	2.8	2.6	2.7	7.2
IR I		72.3	75.0	85.2	63.2	91.4	79.0	82.5	98.5	93.2	77.5	77.4	88.3	82.3	98.5
IR II		70.5	70.3	85.7	56.9	9.7	82.0	81.1	77.6	96.9	75.5	58.6	84.4	70.1	96.9
PRT336	NBH 4903	0.0	1.4	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	1.4
PRT337	Pusa Comp. 612	1.3	6.0	0.0	0.0	5.7	1.0	0.0	8.1	0.0	2.4	2.6	2.3	2.4	8.1
IR I		73.1	81.3	91.4	65.5	71.2	80.0	76.3	89.6	93.8	81.9	76.5	84.9	80.2	93.8
IR II		70.7	80.7	93.9	61.1	11.6	81.0	76.9	80.5	88.2	81.8	63.6	81.7	71.6	93.9
	<b>Mean Entries</b>	<b>0.4</b>	<b>1.7</b>	<b>0.4</b>	<b>0.7</b>	<b>1.9</b>	<b>1.5</b>	<b>0.0</b>	<b>2.3</b>	<b>0.1</b>	<b>0.8</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>2.3</b>
	<b>Mean IR I</b>	<b>72.9</b>	<b>78.9</b>	<b>82.0</b>	<b>67.2</b>	<b>76.2</b>	<b>79.9</b>	<b>84.0</b>	<b>96.8</b>	<b>93.9</b>	<b>78.0</b>	<b>75.5</b>	<b>88.6</b>	<b>81.3</b>	<b>96.8</b>
	<b>Mean IR II</b>	<b>70.4</b>	<b>76.8</b>	<b>89.2</b>	<b>61.8</b>	<b>7.9</b>	<b>80.8</b>	<b>85.4</b>	<b>76.0</b>	<b>92.2</b>	<b>78.8</b>	<b>61.2</b>	<b>83.6</b>	<b>71.2</b>	<b>92.2</b>



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Table IV.8: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): DOWNY MILDEW (%) at 60 DAS-Kharif 2024															
Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
IR I		100.0	79.8	93.3	84.2	94.5	98.0	96.0	97.6	98.6	91.0	90.4	97.5	93.6	100.0
IR II		97.6	85.3	96.6	80.7	10.3	97.0	87.5	80.4	98.5	93.1	74.1	90.9	81.5	98.5
PRT 301	MPMH 42	0.0	1.3	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.4	0.7	0.8	0.7	3.0
PRT 302	MPMH 35	0.0	2.9	0.0	3.3	0.0	4.0	1.6	3.5	0.0	1.0	1.2	2.3	1.7	4.0
PRT 303	RHB 223	1.6	6.4	8.3	10.2	0.0	4.0	2.6	2.4	0.0	5.4	5.3	2.2	3.9	10.2
PRT 304	PB 1756	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.8	0.3	3.0
PRT 305	HHB 272	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	2.0
IR I		100.0	79.8	95.7	89.4	97.1	99.0	96.2	96.7	96.1	91.8	92.4	97.0	94.4	100.0
IR II		97.4	86.5	100.0	71.4	12.7	96.0	92.3	79.3	96.9	94.6	73.6	91.1	81.4	100.0
PRT 306	GHB 719	2.5	3.4	2.2	6.4	0.0	4.0	0.0	4.3	0.0	2.7	2.9	2.1	2.5	6.4
PRT 307	GHB 538	3.9	0.0	3.4	0.0	4.0	4.0	0.0	0.0	3.1	2.4	2.3	1.8	2.0	4.0
PRT 308	HHB 67 Imp.	1.6	3.4	0.0	1.9	4.9	3.0	0.0	1.1	0.0	1.7	2.3	1.0	1.8	4.9
PRT 309	86M94	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.8	0.3	3.0
PRT 310	DHBH 1397	1.5	0.0	0.0	0.0	0.0	2.0	0.0	2.1	2.9	0.5	0.3	1.7	0.9	2.9
IR I		100.0	84.3	97.3	92.3	97.0	100.0	88.3	98.3	97.2	93.8	94.2	96.0	95.0	100.0
IR II		98.7	80.4	97.3	76.8	11.1	98.0	87.5	86.4	97.0	92.1	72.9	92.2	81.5	98.7
PRT 311	PB 1852	2.6	0.0	0.0	0.0	2.7	2.0	0.0	0.0	0.0	0.9	1.0	0.5	0.8	2.7
PRT 312	86M01	4.8	4.3	0.0	2.4	0.0	4.0	0.0	2.5	0.0	3.1	2.3	1.6	2.0	4.8
PRT 313	GHB 905	1.2	1.3	1.9	0.0	1.6	2.0	0.0	0.0	0.0	1.4	1.2	0.5	0.9	2.0
PRT 314	RHB 173	4.8	0.0	3.3	0.0	4.8	3.0	0.0	NG	-	2.7	2.6	1.5	2.3	4.8
PRT 315	GHB 732	2.3	0.0	0.0	8.6	2.7	2.0	0.0	2.2	0.0	0.8	2.7	1.0	2.0	8.6
IR I		100.0	83.8	94.6	90.9	94.2	98.0	87.2	97.3	97.4	92.8	92.7	95.0	93.7	100.0
IR II		98.8	81.8	88.6	90.3	9.3	98.0	84.2	79.5	96.9	89.7	73.8	89.6	80.8	98.8
PRT 316	GHB 744	1.5	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.5	0.3	0.5	0.4	2.0
PRT 317	86M80	1.3	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.4	0.3	0.5	0.4	2.0
PRT 318	MP 7878	2.6	0.0	0.0	1.4	0.0	3.0	0.0	2.5	0.0	0.9	0.8	1.4	1.1	3.0
PRT 319	86M84	1.3	0.0	0.0	0.0	0.0	1.0	0.0	1.2	0.0	0.4	0.3	0.5	0.4	1.3
PRT 320	KBH 108	2.4	1.3	0.0	0.0	0.0	2.0	0.0	1.2	0.0	1.2	0.7	0.8	0.8	2.4
IR I		100.0	84.2	90.0	87.7	97.1	99.0	84.6	100.0	98.5	91.4	91.8	95.5	93.5	100.0
IR II		97.6	85.0	74.1	91.1	15.2	98.0	87.2	76.5	100.0	85.6	72.6	90.4	80.5	100.0

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Table IV.8: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): DOWNY MILDEW (%) at 60 DAS-Kharif 2024															
Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 321	Kaveri S Boss	2.5	4.0	0.0	3.8	0.0	3.0	0.0	2.0	0.0	2.2	2.1	1.2	1.7	4.0
PRT 322	86M86	2.5	3.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	1.8	1.1	0.8	0.9	3.0
PRT 323	RHB 233	1.2	0.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0	0.4	0.2	1.3	0.7	3.0
PRT 324	RHB 234	1.2	0.0	0.0	1.4	6.0	2.0	0.0	4.6	0.0	0.4	1.7	1.6	1.7	6.0
PRT 325	AHB 1269	2.6	1.4	0.0	5.7	8.8	4.0	0.0	6.5	0.0	1.3	3.7	2.6	3.2	8.8
IR I		100.0	87.5	93.9	100.0	100.0	97.0	88.6	98.6	95.6	93.8	96.3	95.0	95.7	100.0
IR II		98.8	82.8	100.0	86.4	10.3	98.0	82.1	83.2	95.7	93.9	75.7	89.7	81.9	100.0
PRT 326	AHB 1200	1.2	1.4	0.0	0.0	2.7	4.0	0.0	7.1	0.0	0.8	1.0	2.8	1.8	7.1
PRT 327	HHB 299	0.0	1.4	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.5	0.3	0.3	0.3	1.4
PRT 328	Dhanshakti	6.3	0.0	0.0	0.0	0.0	3.0	0.0	6.9	3.3	2.1	1.3	3.3	2.2	6.9
PRT 329	ICMV 221	4.7	1.6	0.0	0.0	6.0	4.0	0.0	6.4	0.0	2.1	2.4	2.6	2.5	6.4
PRT330	Pusa Comp. 701	3.1	4.5	0.0	13.7	6.9	1.0	0.0	1.1	1.6	2.5	5.6	0.9	3.5	13.7
IR I		100.0	83.3	77.3	89.2	95.1	98.0	96.2	100.0	98.5	86.9	89.0	98.2	93.1	100.0
IR II		98.7	84.3	93.9	88.7	13.6	99.0	88.6	78.3	97.1	92.3	75.8	90.7	82.5	99.0
PRT 331	Pusa Comp. 383	4.0	0.0	0.0	0.0	5.4	3.0	0.0	1.1	0.0	1.3	1.9	1.0	1.5	5.4
PRT 332	JBV 2	4.3	3.0	0.0	0.0	5.5	4.0	0.0	4.4	0.0	2.4	2.6	2.1	2.3	5.5
PRT 333	Raj 171	4.5	4.8	0.0	1.4	8.6	4.0	0.0	5.5	1.7	3.1	3.9	2.8	3.4	8.6
PRT 334	Mahabeej 1005	0.0	1.6	0.0	0.0	0.0	2.0	1.5	0.0	0.0	0.5	0.3	0.9	0.6	2.0
PRT335	Pratap (MH 1642)	4.3	5.2	0.0	2.6	6.7	3.0	0.0	7.2	0.0	3.2	3.8	2.6	3.2	7.2
IR I		100.0	76.4	85.2	85.2	96.6	99.0	92.5	98.5	97.3	87.2	88.7	96.8	92.3	100.0
IR II		98.7	72.8	85.7	86.0	14.5	99.0	86.5	88.1	100.0	85.7	71.5	93.4	81.3	100.0
PRT336	NBH 4903	3.3	1.4	0.0	0.0	0.0	3.0	5.3	0.0	0.0	1.6	0.9	2.1	1.5	5.3
PRT337	Pusa Comp. 612	5.0	6.0	0.0	0.0	7.5	2.0	0.0	8.1	0.0	3.7	3.7	2.5	3.2	8.1
IR I		100.0	84.4	92.4	80.0	94.5	98.0	89.5	93.5	93.8	92.3	90.3	93.7	91.8	100.0
IR II		98.7	85.8	95.6	86.1	14.5	98.0	87.2	83.1	89.7	93.4	76.1	89.5	82.1	98.7
	<b>Mean Entries</b>	<b>2.3</b>	<b>1.7</b>	<b>0.5</b>	<b>1.7</b>	<b>2.3</b>	<b>2.8</b>	<b>0.3</b>	<b>2.4</b>	<b>0.3</b>	<b>1.5</b>	<b>1.7</b>	<b>1.4</b>	<b>1.6</b>	<b>2.8</b>
	<b>Mean IR I</b>	<b>100.0</b>	<b>82.6</b>	<b>87.5</b>	<b>88.7</b>	<b>96.2</b>	<b>98.4</b>	<b>91.0</b>	<b>97.8</b>	<b>97.0</b>	<b>90.0</b>	<b>91.0</b>	<b>96.1</b>	<b>93.2</b>	<b>100.0</b>
	<b>Mean IR II</b>	<b>98.3</b>	<b>82.7</b>	<b>92.4</b>	<b>83.7</b>	<b>12.4</b>	<b>97.9</b>	<b>87.0</b>	<b>81.6</b>	<b>96.9</b>	<b>91.2</b>	<b>73.9</b>	<b>90.9</b>	<b>81.4</b>	<b>98.3</b>

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Table IV9: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): BLAST (0-9 scale) 30 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 301	MPMH 42	0.0	1.0	1.6	0.0	0.0	0.5	0.0	2.0	0.0	0.9	0.5	0.6	0.6	2.0
PRT 302	MPMH 35	0.0	1.0	1.4	0.1	0.0	0.0	0.5	2.0	0.0	0.8	0.5	0.6	0.6	2.0
PRT 303	RHB 223	0.0	1.0	1.6	0.1	0.0	0.0	0.0	1.0	0.0	0.9	0.5	0.3	0.4	1.6
PRT 304	PB 1756	0.5	1.0	1.3	0.0	0.0	0.0	0.5	1.0	0.0	0.9	0.6	0.4	0.5	1.3
PRT 305	HHB 272	0.0	1.0	1.9	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.6	0.3	0.4	1.9
PRT 306	GHB 719	0.0	1.0	1.9	0.0	0.0	1.0	0.0	3.0	0.0	1.0	0.6	1.0	0.8	3.0
PRT 307	GHB 538	2.0	1.0	1.5	0.3	0.5	0.0	0.0	1.0	0.0	1.5	1.1	0.3	0.7	2.0
PRT 308	HHB 67 Imp.	0.5	1.0	2.2	0.4	0.5	0.0	0.5	1.0	0.0	1.2	0.9	0.4	0.7	2.2
PRT 309	86M94	0.5	1.0	2.4	0.0	0.0	0.0	0.5	0.0	0.0	1.3	0.8	0.1	0.5	2.4
PRT 310	DHBH 1397	0.5	1.0	1.3	0.0	0.0	0.0	0.0	1.0	0.0	0.9	0.6	0.3	0.4	1.3
PRT 311	PB 1852	0.0	1.0	1.2	0.0	1.0	0.0	0.0	1.0	0.0	0.7	0.6	0.3	0.5	1.2
PRT 312	86M01	1.0	1.0	1.8	0.1	1.0	0.5	0.0	2.0	1.0	1.3	1.0	0.9	0.9	2.0
PRT 313	GHB 905	0.5	1.0	2.2	0.0	0.0	0.0	0.5	1.0	0.0	1.2	0.7	0.4	0.6	2.2
PRT 314	RHB 173	0.0	1.0	2.2	0.0	0.0	0.0	0.0	NG	-	1.1	0.6	0.0	0.5	2.2
PRT 315	GHB 732	0.0	1.0	1.3	0.0	0.5	0.0	0.0	1.0	0.0	0.8	0.6	0.3	0.4	1.3
PRT 316	GHB 744	0.0	1.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	0.0	0.3	1.7
PRT 317	86M80	0.0	1.0	1.3	0.0	0.0	0.0	0.0	1.0	0.0	0.8	0.5	0.3	0.4	1.3
PRT 318	MP 7878	1.0	1.0	2.2	0.0	0.0	0.0	0.0	2.0	0.0	1.4	0.8	0.5	0.7	2.2
PRT 319	86M84	1.0	1.0	2.1	0.0	0.0	0.0	0.0	2.0	0.0	1.4	0.8	0.5	0.7	2.1
PRT 320	KBH 108	1.0	1.0	1.6	0.0	0.5	0.0	0.0	3.0	0.0	1.2	0.8	0.8	0.8	3.0
PRT 321	Kaveri S Boss	0.5	1.0	1.3	0.3	1.0	0.0	0.0	1.0	0.0	0.9	0.8	0.3	0.6	1.3
PRT 322	86M86	0.0	1.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	0.0	0.3	1.4
PRT 323	RHB 233	0.0	1.0	1.5	0.0	0.0	0.0	0.0	2.0	0.0	0.8	0.5	0.5	0.5	2.0

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Table IV9: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): BLAST (0-9 scale) 30 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 324	RHB 234	1.0	1.0	1.6	0.0	0.0	0.0	0.0	2.0	0.0	1.2	0.7	0.5	0.6	2.0
PRT 325	AHB 1269	1.0	1.0	2.2	0.1	1.0	0.5	0.0	3.0	0.5	1.4	1.1	1.0	1.0	3.0
PRT 326	AHB 1200	1.0	1.0	1.6	0.0	0.0	0.5	0.5	3.0	0.0	1.2	0.7	1.0	0.8	3.0
PRT 327	HHB 299	0.0	1.0	1.2	0.0	0.0	0.0	0.5	1.0	0.0	0.7	0.4	0.4	0.4	1.2
PRT 328	Dhanshakti	0.5	1.0	1.7	0.5	0.0	0.5	0.0	3.0	1.0	1.1	0.7	1.1	0.9	3.0
PRT 329	ICMV 221	0.5	1.0	2.3	0.2	0.0	0.0	0.0	2.0	0.0	1.3	0.8	0.5	0.7	2.3
PRT330	Pusa Comp. 701	0.5	1.0	2.1	0.0	0.0	0.0	0.0	2.0	0.0	1.2	0.7	0.5	0.6	2.1
PRT 331	Pusa Comp. 383	0.5	1.0	1.3	0.0	1.0	0.0	1.0	2.0	0.5	0.9	0.8	0.9	0.8	2.0
PRT 332	JBV 2	0.5	1.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.6	0.0	0.3	1.4
PRT 333	Raj 171	0.0	1.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.5	0.0	0.3	1.6
PRT 334	Mahabeej 1005	1.0	1.0	2.3	0.3	1.0	0.5	0.0	3.0	1.0	1.4	1.1	1.1	1.1	3.0
PRT335	Pratap (MH 1642)	1.0	1.0	2.4	0.2	1.0	1.0	0.0	5.0	1.0	1.5	1.1	1.8	1.4	5.0
PRT336	NBH 4903	1.0	1.0	2.1	0.2	1.0	1.0	0.0	3.0	0.0	1.4	1.1	1.0	1.0	3.0
PRT337	Pusa Comp. 612	1.0	1.0	1.6	0.0	1.0	1.0	0.5	3.0	0.0	1.2	0.9	1.1	1.0	3.0
	<b>Mean Entries</b>	<b>0.5</b>	<b>1.0</b>	<b>1.7</b>	<b>0.1</b>	<b>0.3</b>	<b>0.2</b>	<b>0.1</b>	<b>1.7</b>	<b>0.1</b>	<b>1.1</b>	<b>0.6</b>	<b>0.5</b>	<b>0.6</b>	<b>1.7</b>

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Table IV.9A: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): BLAST (0-9 scale) 45 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 301	MPMH 42	0.0	2.0	1.8	0.2	0.0	1.0	1.5	3.0	0.0	1.3	0.8	1.4	1.1	3.0
PRT 302	MPMH 35	0.0	2.0	1.6	0.3	0.0	1.0	1.0	3.0	0.0	1.2	0.8	1.3	1.0	3.0
PRT 303	RHB 223	1.0	2.0	1.8	0.4	0.0	1.0	0.5	1.5	0.0	1.6	1.0	0.8	0.9	2.0
PRT 304	PB 1756	1.0	1.5	1.5	0.0	0.5	1.0	0.5	1.5	0.0	1.3	0.9	0.8	0.8	1.5
PRT 305	HHB 272	1.0	2.0	2.0	0.1	1.0	1.0	0.0	3.5	0.0	1.7	1.2	1.1	1.2	3.5
PRT 306	GHB 719	0.0	2.0	2.4	0.1	1.0	2.0	1.0	4.0	0.0	1.5	1.1	1.8	1.4	4.0
PRT 307	GHB 538	2.0	2.0	2.2	0.5	2.0	1.0	0.5	1.5	0.0	2.1	1.7	0.8	1.3	2.2
PRT 308	HHB 67 Improved	2.0	2.0	2.7	1.1	2.0	1.0	1.5	3.0	0.0	2.2	2.0	1.4	1.7	3.0
PRT 309	86M94	0.5	2.0	2.3	0.8	1.0	0.5	0.5	1.5	0.0	1.6	1.3	0.6	1.0	2.3
PRT 310	DHBH 1397	0.5	2.0	1.2	0.0	1.0	0.5	0.0	2.0	0.0	1.2	0.9	0.6	0.8	2.0
PRT 311	PB 1852	1.0	2.0	1.5	0.6	2.5	1.0	0.0	1.5	0.0	1.5	1.5	0.6	1.1	2.5
PRT 312	86M01	1.0	2.0	2.3	0.6	2.0	0.5	0.5	4.0	2.0	1.8	1.6	1.8	1.7	4.0
PRT 313	GHB 905	1.0	2.0	2.1	0.1	2.0	1.0	1.0	2.5	0.0	1.7	1.4	1.1	1.3	2.5
PRT 314	RHB 173	1.0	2.0	2.5	0.0	1.5	1.0	0.0	NG	-	1.8	1.4	0.5	1.1	2.5
PRT 315	GHB 732	1.0	1.5	1.6	0.0	2.5	0.0	1.0	1.0	0.0	1.4	1.3	0.5	1.0	2.5
PRT 316	GHB 744	1.0	1.5	1.8	0.0	0.5	0.5	0.0	0.5	0.0	1.4	1.0	0.3	0.6	1.8
PRT 317	86M80	1.0	1.5	1.5	0.0	1.0	1.0	0.0	1.0	0.0	1.3	1.0	0.5	0.8	1.5
PRT 318	MP 7878	1.5	2.0	2.4	0.0	1.5	1.0	1.0	4.0	0.0	2.0	1.5	1.5	1.5	4.0
PRT 319	86M84	1.5	1.0	2.4	0.0	1.0	1.0	0.5	2.0	0.0	1.6	1.2	0.9	1.0	2.4
PRT 320	KBH 108	1.5	1.5	1.8	0.7	2.5	1.0	0.0	4.5	0.0	1.6	1.6	1.4	1.5	4.5
PRT 321	Kaveri Super Boss	1.0	1.5	1.5	0.6	2.0	0.0	0.0	2.0	0.0	1.3	1.3	0.5	1.0	2.0
PRT 322	86M86	1.0	2.0	1.6	0.3	2.0	0.0	0.0	0.5	0.0	1.5	1.4	0.1	0.8	2.0
PRT 323	RHB 233	1.5	2.0	1.5	0.0	0.0	0.0	0.0	2.0	0.0	1.7	1.0	0.5	0.8	2.0

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Table IV.9A: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): BLAST (0-9 scale) 45 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 324	RHB 234	2.0	2.0	1.9	0.0	1.5	0.0	1.0	3.5	0.5	2.0	1.5	1.3	1.4	3.5
PRT 325	AHB 1269	2.0	1.5	2.6	0.5	3.5	0.5	0.0	4.5	1.0	2.0	2.0	1.5	1.8	4.5
PRT 326	AHB 1200	1.0	2.0	1.6	0.0	2.0	0.5	0.5	4.0	0.5	1.5	1.3	1.4	1.3	4.0
PRT 327	HHB 299	0.5	2.0	1.9	0.3	0.0	0.0	0.0	1.0	0.0	1.5	0.9	0.3	0.6	2.0
PRT 328	Dhanshakti	1.5	2.0	2.0	1.0	1.5	0.5	1.5	4.0	2.0	1.8	1.6	2.0	1.8	4.0
PRT 329	ICMV 221	1.5	2.0	2.4	0.7	1.0	1.0	0.5	3.5	0.5	2.0	1.5	1.4	1.5	3.5
PRT330	Pusa Composite 701	1.0	2.0	2.3	0.6	2.0	1.0	0.0	3.0	0.0	1.8	1.6	1.0	1.3	3.0
PRT 331	Pusa Composite 383	0.5	1.5	1.7	0.1	2.0	1.0	1.0	3.0	1.0	1.2	1.2	1.5	1.3	3.0
PRT 332	JBV 2	0.5	2.0	1.7	0.2	1.0	0.0	0.0	0.0	0.0	1.4	1.1	0.0	0.6	2.0
PRT 333	Raj 171	1.5	2.0	1.7	0.4	1.0	1.0	1.0	1.0	0.0	1.7	1.3	0.8	1.1	2.0
PRT 334	Mahabeej 1005	2.0	1.5	2.5	1.2	3.0	2.0	1.0	5.0	2.0	2.0	2.0	2.5	2.2	5.0
PRT335	Pratap (MH 1642)	2.0	1.5	1.9	0.7	3.0	<b>2.0</b>	0.5	6.5	2.5	1.8	1.8	2.9	2.3	6.5
<b>PRT336</b>	NBH 4903	1.5	2.0	2.4	0.8	2.0	2.0	0.5	3.5	0.0	2.0	1.7	1.5	1.6	3.5
PRT337	Pusa Comp. 612	1.5	2.0	1.8	0.1	2.5	2.0	0.5	4.0	0.5	1.8	1.6	1.8	1.7	4.0
	<b>Mean Entries</b>	<b>1.1</b>	<b>1.8</b>	<b>2.0</b>	<b>0.4</b>	<b>1.5</b>	<b>0.9</b>	<b>0.5</b>	<b>2.7</b>	<b>0.3</b>	<b>1.6</b>	<b>1.4</b>	<b>1.1</b>	<b>1.2</b>	<b>2.7</b>

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Table IV.9B: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): BLAST (0-9 Scale) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 301	MPMH 42	0.5	3.0	2.5	1.8	1.0	3.0	2.0	4.5	0.0	2.0	1.8	2.4	2.0	4.5
PRT 302	MPMH 35	0.0	3.0	2.0	1.4	1.0	3.0	1.5	4.5	0.0	1.7	1.5	2.3	1.8	4.5
PRT 303	RHB 223	2.0	3.0	2.3	2.4	1.5	2.0	1.5	2.5	0.0	2.4	2.2	1.5	1.9	3.0
PRT 304	PB 1756	2.0	2.5	2.1	0.1	2.0	2.0	1.5	3.0	0.0	2.2	1.7	1.6	1.7	3.0
PRT 305	HHB 272	2.0	3.0	2.5	1.1	3.0	3.0	0.5	5.0	0.0	2.5	2.3	2.1	2.2	5.0
PRT 306	GHB 719	0.0	3.0	2.7	1.2	3.0	3.0	2.0	5.5	0.0	1.9	2.0	2.6	2.3	5.5
PRT 307	GHB 538	2.0	3.0	2.3	4.2	4.0	2.0	2.0	3.0	0.5	2.4	3.1	1.9	2.6	4.2
PRT 308	HHB 67 Improved	3.0	3.0	2.8	5.6	4.0	2.0	3.5	5.0	0.5	2.9	3.7	2.8	3.3	5.6
PRT 309	86M94	1.0	3.0	2.9	3.0	2.5	1.0	3.5	2.5	0.0	2.3	2.5	1.8	2.2	3.5
PRT 310	DHBH 1397	1.0	3.0	1.7	0.3	2.5	1.0	1.0	3.0	1.0	1.9	1.7	1.5	1.6	3.0
PRT 311	PB 1852	2.0	3.0	1.5	2.4	4.5	2.0	0.5	3.0	0.0	2.2	2.7	1.4	2.1	4.5
PRT 312	86M01	2.5	3.0	2.7	4.5	4.5	2.0	1.0	5.0	3.5	2.7	3.4	2.9	3.2	5.0
PRT 313	GHB 905	2.5	3.0	2.2	1.3	4.0	2.0	1.5	4.0	0.0	2.6	2.6	1.9	2.3	4.0
PRT 314	RHB 173	2.5	3.0	2.3	0.0	3.5	2.0	0.0	NG	-	2.6	2.3	1.0	1.9	3.5
PRT 315	GHB 732	1.5	2.5	2.6	0.3	4.0	1.0	2.5	2.0	0.0	2.2	2.2	1.4	1.8	4.0
PRT 316	GHB 744	2.0	2.5	2.3	1.0	2.0	1.0	1.5	0.5	0.0	2.3	2.0	0.8	1.4	2.5
PRT 317	86M80	1.5	2.5	2.2	1.1	2.5	2.0	1.0	2.0	0.0	2.1	2.0	1.3	1.6	2.5
PRT 318	MP 7878	2.5	3.0	2.7	0.8	3.5	2.0	3.5	5.0	1.0	2.7	2.5	2.9	2.7	5.0
PRT 319	86M84	2.0	1.0	2.7	1.1	3.0	2.0	1.0	3.0	0.0	1.9	2.0	1.5	1.8	3.0
PRT 320	KBH 108	2.0	2.5	1.9	2.5	3.5	2.0	1.5	5.5	0.0	2.1	2.5	2.3	2.4	5.5
PRT 321	Kaveri Super Boss	1.5	2.5	2.0	2.8	4.0	2.0	0.0	3.0	0.0	2.0	2.6	1.3	2.0	4.0
PRT 322	86M86	2.0	3.0	2.2	1.9	3.5	2.0	0.5	1.0	0.5	2.4	2.5	1.0	1.8	3.5
PRT 323	RHB 233	2.5	3.0	2.2	0.2	2.0	1.0	0.0	3.0	0.0	2.6	2.0	1.0	1.5	3.0

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Table IV.9B: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): BLAST (0-9 Scale) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 324	RHB 234	3.0	3.0	2.7	0.0	3.0	2.0	1.5	4.5	1.0	2.9	2.3	2.3	2.3	4.5
PRT 325	AHB 1269	3.5	2.5	2.9	2.9	5.0	2.0	2.5	6.5	2.0	3.0	3.4	3.3	3.3	6.5
PRT 326	AHB 1200	2.5	3.0	1.9	3.7	4.0	2.0	1.5	6.0	1.0	2.5	3.0	2.6	2.8	6.0
PRT 327	HHB 299	1.0	3.0	1.9	2.8	1.0	1.0	0.0	2.5	1.0	2.0	1.9	1.1	1.6	3.0
PRT 328	Dhanshakti	3.5	3.0	2.6	6.5	3.5	2.0	2.0	5.0	3.5	3.0	3.8	3.1	3.5	6.5
PRT 329	ICMV 221	3.5	3.0	2.6	4.4	2.5	2.0	1.5	5.5	1.5	3.0	3.2	2.6	2.9	5.5
PRT330	Pusa Composite 701	2.5	3.0	2.5	3.5	3.5	2.0	0.0	4.0	1.0	2.7	3.0	1.8	2.4	4.0
PRT 331	Pusa Composite 383	1.5	2.5	1.9	1.4	3.5	2.0	1.5	4.0	1.5	2.0	2.2	2.3	2.2	4.0
PRT 332	JBV 2	3.5	3.0	2.0	0.9	2.5	1.0	0.5	0.0	1.0	2.8	2.4	0.6	1.6	3.5
PRT 333	Raj 171	3.5	3.0	2.3	2.0	3.0	2.0	1.0	1.5	0.5	2.9	2.8	1.3	2.1	3.5
PRT 334	Mahabeej 1005	2.5	2.5	3.5	4.6	4.5	3.0	2.0	6.0	3.0	2.8	3.5	3.5	3.5	6.0
PRT335	Pratap (MH 1642)	3.5	2.5	3.5	5.2	5.0	3.0	1.5	8.0	4.5	3.2	3.9	4.3	4.1	8.0
PRT336	NBH 4903	2.0	3.0	2.6	4.0	4.5	3.0	0.0	4.5	0.5	2.5	3.2	2.0	2.7	4.5
PRT337	Pusa Comp. 612	2.0	3.0	2.1	1.1	4.5	3.0	1.0	5.0	1.0	2.4	2.5	2.5	2.5	5.0
	<b>Mean Entries</b>	<b>2.1</b>	<b>2.8</b>	<b>2.4</b>	<b>2.3</b>	<b>3.2</b>	<b>2.0</b>	<b>1.4</b>	<b>3.8</b>	<b>0.8</b>	<b>2.4</b>	<b>2.6</b>	<b>2.0</b>	<b>2.3</b>	<b>3.8</b>



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Table IV.9C: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): RUST (% leaf area) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 301	MPMH 42		0.0	0.0	0.0		21.0	0.0	35.0	17.5	0.0	0.0	18.4	10.5	35.0
PRT 302	MPMH 35		0.0	0.0	0.0		20.0	0.0	30.0	17.5	0.0	0.0	16.9	9.6	30.0
PRT 303	RHB 223		0.0	0.0	0.0		14.0	0.5	7.5	12.5	0.0	0.0	8.6	4.9	14.0
PRT 304	PB 1756		0.0	0.0	0.0		10.0	0.0	10.0	13.5	0.0	0.0	8.4	4.8	13.5
PRT 305	HHB 272		0.0	0.0	0.0		21.0	0.0	15.0	27.5	0.0	0.0	15.9	9.1	27.5
PRT 306	GHB 719		0.0	0.0	0.0		23.0	1.0	15.0	24.0	0.0	0.0	15.8	9.0	24.0
PRT 307	GHB 538		0.0	0.0	0.0		17.0	2.0	12.5	6.5	0.0	0.0	9.5	5.4	17.0
PRT 308	HHB 67 Improved		0.0	0.0	0.0		13.0	0.0	5.0	20.0	0.0	0.0	9.5	5.4	20.0
PRT 309	86M94		0.0	0.5	0.0		12.0	0.0	0.0	7.5	0.3	0.2	4.9	2.9	12.0
PRT 310	DHBH 1397	DNP	0.0	0.0	0.0	DNP	20.0	0.0	5.0	22.5	0.0	0.0	11.9	6.8	22.5
PRT 311	PB 1852		0.0	0.0	0.0		7.0	0.0	2.5	0.0	0.0	0.0	2.4	1.4	7.0
PRT 312	86M01		0.0	0.0	0.0		6.0	0.0	2.5	8.5	0.0	0.0	4.3	2.4	8.5
PRT 313	GHB 905		0.0	0.0	0.0		21.0	0.0	15.0	22.5	0.0	0.0	14.6	8.4	22.5
PRT 314	RHB 173		0.0	0.0	0.0		11.0	0.0	NG	-	0.0	0.0	5.5	2.2	11.0
PRT 315	GHB 732		0.0	0.0	0.0		12.0	2.5	0.0	7.5	0.0	0.0	5.5	3.1	12.0
PRT 316	GHB 744		0.0	0.0	0.0		17.0	2.0	5.0	6.5	0.0	0.0	7.6	4.4	17.0
PRT 317	86M80		0.0	0.0	0.0		9.0	0.0	5.0	0.0	0.0	0.0	3.5	2.0	9.0
PRT 318	MP 7878		0.0	0.0	0.0		8.0	1.0	5.0	5.0	0.0	0.0	4.8	2.7	8.0
PRT 319	86M84		0.0	6.5	0.0		6.0	1.0	0.0	7.5	3.3	2.2	3.6	3.0	7.5
PRT 320	KBH 108		0.0	0.0	0.0		7.0	1.0	0.0	11.0	0.0	0.0	4.8	2.7	11.0
PRT 321	Kaveri Super Boss		0.0	0.0	0.0		8.0	0.0	5.0	6.5	0.0	0.0	4.9	2.8	8.0
PRT 322	86M86		0.0	0.0	0.0		5.0	0.5	15.0	7.5	0.0	0.0	7.0	4.0	15.0
PRT 323	RHB 233		0.0	0.0	0.0		11.0	0.0	15.0	12.5	0.0	0.0	9.6	5.5	15.0

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Table IV.9C: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): RUST (% leaf area) at 60 DAS-Kharif 2024

Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 324	RHB 234		0.0	0.0	0.0		9.0	0.0	2.5	6.5	0.0	0.0	4.5	2.6	9.0
PRT 325	AHB 1269		0.0	0.0	0.0		7.0	0.0	7.5	5.0	0.0	0.0	4.9	2.8	7.5
PRT 326	AHB 1200		0.0	0.0	0.0		13.0	3.5	2.5	17.5	0.0	0.0	9.1	5.2	17.5
PRT 327	HHB 299		0.0	0.0	0.0		16.0	0.0	5.0	18.5	0.0	0.0	9.9	5.6	18.5
PRT 328	Dhanshakti		0.0	0.0	0.0		11.0	1.0	5.0	12.5	0.0	0.0	7.4	4.2	12.5
PRT 329	ICMV 221		0.0	0.0	0.0		16.0	1.0	7.5	18.5	0.0	0.0	10.8	6.1	18.5
PRT 330	Pusa Composite 701		0.0	2.5	0.0		11.0	0.0	5.0	17.5	1.3	0.8	8.4	5.1	17.5
PRT 331	Pusa Composite 383		0.0	0.0	0.0		16.0	0.0	7.5	9.0	0.0	0.0	8.1	4.6	16.0
PRT 332	JBV 2		0.0	0.0	0.0		8.0	0.0	7.5	6.5	0.0	0.0	5.5	3.1	8.0
PRT 333	Raj 171		0.0	0.0	0.0		14.0	1.0	17.5	25.0	0.0	0.0	14.4	8.2	25.0
PRT 334	Mahabeej 1005		0.0	0.0	0.0		3.0	1.0	2.5	12.5	0.0	0.0	4.8	2.7	12.5
PRT 335	Pratap (MH 1642)		0.0	0.0	0.0		2.0	1.0	0.0	17.5	0.0	0.0	5.1	2.9	17.5
PRT 336	NBH 4903		0.0	0.0	0.0		1.0	0.0	0.0	12.5	0.0	0.0	3.4	1.9	12.5
PRT 337	Pusa Comp. 612		0.0	0.0	0.0		18.0	0.0	10.0	26.0	0.0	0.0	13.5	7.7	26.0
	<b>Mean Entries</b>		0.0	0.3	0.0		<b>12.0</b>	<b>0.5</b>	<b>7.9</b>	<b>13.0</b>	<b>0.1</b>	<b>0.1</b>	<b>8.4</b>	<b>4.8</b>	<b>13.0</b>

\* Data Not Provided - (DNP)

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Table IV.9D: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): SMUT (severity %) at 60 DAS-Kharif 2024															
Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 301	MPMH 42		0.0	0.0	3.0	5.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	5.0
PRT 302	MPMH 35		7.5	2.1	5.5	35.0	0.0	0.0	0.0	0.0	4.8	12.5	0.0	6.3	35.0
PRT 303	RHB 223		1.0	0.0	0.0	52.5	0.0	0.0	0.0	0.0	0.5	13.4	0.0	6.7	52.5
PRT 304	PB 1756		2.5	0.0	0.0	7.5	0.0	0.0	0.0	0.0	1.3	2.5	0.0	1.3	7.5
PRT 305	HHB 272		10.0	2.6	0.0	27.5	0.0	0.0	0.0	0.0	6.3	10.0	0.0	5.0	27.5
PRT 306	GHB 719		5.5	14.0	3.5	5.0	0.0	0.0	0.0	0.0	9.8	7.0	0.0	3.5	14.0
PRT 307	GHB 538		0.0	0.5	0.0	20.0	0.0	0.0	0.0	0.0	0.3	5.1	0.0	2.6	20.0
PRT 308	HHB 67 Improved		4.0	7.6	0.0	5.0	0.0	0.0	0.0	0.0	5.8	4.2	0.0	2.1	7.6
PRT 309	86M94		0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.3	2.5
PRT 310	DHBH 1397		2.5	6.0	8.0	12.5	0.0	0.0	4.0	0.0	4.3	7.3	1.0	4.1	12.5
PRT 311	PB 1852		0.0	0.0	13.5	7.5	0.0	0.0	0.0	0.0	0.0	5.3	0.0	2.6	13.5
PRT 312	86M01		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 313	GHB 905	DNP	0.0	0.6	0.0	27.5	0.0	0.0	0.0	0.0	0.3	7.0	0.0	3.5	27.5
PRT 314	RHB 173		0.0	0.0	0.5	20.0	0.0	0.0	NG	0.0	0.0	5.1	0.0	2.9	20.0
PRT 315	GHB 732		3.0	32.5	0.5	17.5	0.0	0.0	0.0	0.0	17.8	13.4	0.0	6.7	32.5
PRT 316	GHB 744		5.0	7.4	2.0	7.5	0.0	0.0	0.0	0.0	6.2	5.5	0.0	2.7	7.5
PRT 317	86M80		0.0	0.5	3.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.0	0.4	3.0
PRT 318	MP 7878		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 319	86M84		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 320	KBH 108		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 321	Kaveri Super Boss		0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.5	4.0
PRT 322	86M86		0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.3	2.5
PRT 323	RHB 233		2.5	3.0	3.0	7.5	0.0	0.0	0.0	0.0	2.8	4.0	0.0	2.0	7.5

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Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 324	RHB 234		1.0	1.0	2.0	50.0	0.0	0.0	0.0	0.0	1.0	13.5	0.0	6.8	50.0
PRT 325	AHB 1269		2.5	6.5	0.0	22.5	0.0	0.0	0.0	0.0	4.5	7.9	0.0	3.9	22.5
PRT 326	AHB 1200		2.5	10.0	0.0	27.5	0.0	0.0	0.0	0.0	6.3	10.0	0.0	5.0	27.5
PRT 327	HHB 299		4.5	0.0	2.0	25.0	0.0	0.0	5.0	0.0	2.3	7.9	1.3	4.6	25.0
PRT 328	Dhanshakti		2.5	0.0	1.5	7.5	0.0	0.0	0.0	0.0	1.3	2.9	0.0	1.4	7.5
PRT 329	ICMV 221		1.0	0.0	0.0	27.5	0.0	0.0	0.0	0.0	0.5	7.1	0.0	3.6	27.5
PRT 330	Pusa Composite 701		1.0	0.5	0.0	12.5	0.0	0.0	0.0	0.0	0.8	3.5	0.0	1.8	12.5
PRT 331	Pusa Composite 383		0.0	0.5	0.5	40.0	0.0	0.0	0.0	0.0	0.3	10.3	0.0	5.1	40.0
PRT 332	JBV 2		1.0	0.2	0.0	25.0	0.0	0.0	0.0	0.0	0.6	6.6	0.0	3.3	25.0
PRT 333	Raj 171		1.0	0.0	0.0	85.0	0.0	0.0	0.0	0.0	0.5	21.5	0.0	10.8	85.0
PRT 334	Mahabeej 1005		2.5	4.0	0.0	52.5	0.0	0.0	0.0	0.0	3.3	14.8	0.0	7.4	52.5
PRT 335	Pratap (MH 1642)		0.0	0.5	2.5	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.0	0.4	2.5
PRT 336	NBH 4903		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 337	Pusa Comp. 612		1.0	2.0	0.0	42.5	0.0	0.0	0.0	0.0	1.5	11.4	0.0	5.7	42.5
	<b>Mean Entries</b>		<b>1.7</b>	<b>2.8</b>	<b>1.4</b>	<b>18.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>2.2</b>	<b>6.1</b>	<b>0.1</b>	<b>3.1</b>	<b>18.5</b>

\* Data Not Provided - (DNP)

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Table IV.9E: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): ERGOT severity at 60 DAS-Kharif 2024															
Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 301	MPMH 42		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PRT 302	MPMH 35		3.0		0.0		0.0	0.0	0.0	0.0	3.0	1.5	0.0	0.5	3.0
PRT 303	RHB 223		0.0		0.0		0.0	0.5	0.0	0.0	0.0	0.0	0.1	0.1	0.5
PRT 304	PB 1756		2.5		0.0		0.0	0.0	0.0	4.0	2.5	1.3	1.0	1.1	4.0
PRT 305	HHB 272		2.5		0.0		0.0	0.0	0.0	0.0	2.5	1.3	0.0	0.4	2.5
PRT 306	GHB 719		2.5		0.0		0.0	0.0	0.0	0.0	2.5	1.3	0.0	0.4	2.5
PRT 307	GHB 538		9.0		0.0		0.0	0.5	0.0	1.5	9.0	4.5	0.5	1.8	9.0
PRT 308	HHB 67 Improved		2.5		0.0		0.0	0.0	0.0	0.0	2.5	1.3	0.0	0.4	2.5
PRT 309	86M94		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 310	DHBH 1397		0.0		0.0		0.0	0.0	0.0	5.0	0.0	0.0	1.3	0.8	5.0
PRT 311	PB 1852		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 312	86M01		2.0		0.0		0.0	0.0	0.0	6.5	2.0	1.0	1.6	1.4	6.5
PRT 313	GHB 905	DNP	1.0	DNP	0.0	DNP	0.0	0.0	0.0	0.0	1.0	0.5	0.0	0.2	1.0
PRT 314	RHB 173		0.0		0.0		0.0	0.0	NG	-	0.0	0.0	0.0	0.0	0.0
PRT 315	GHB 732		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 316	GHB 744		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 317	86M80		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 318	MP 7878		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 319	86M84		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 320	KBH 108		0.0		0.0		0.0	0.0	0.0	3.5	0.0	0.0	0.9	0.6	3.5
PRT 321	Kaveri Super Boss		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 322	86M86		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 323	RHB 233		3.5		0.0		0.0	0.0	0.0	0.0	3.5	1.8	0.0	0.6	3.5

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Table IV.9E: Disease screening of Released Pearl Millet Hybrids and Varieties (PMPT III): ERGOT severity at 60 DAS-Kharif 2024															
Project Code	Entry Name	MDR	JPR	HSR	JMR	GLR	MYS	ABD1	DHL	CBE	Mean				MAX.
											Zone A <sub>1</sub>	Zone A	Zone B	India	
PRT 324	RHB 234		2.0		0.0		0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.3	2.0
PRT 325	AHB 1269		6.0		0.0		0.0	0.0	0.0	5.0	6.0	3.0	1.3	1.8	6.0
PRT 326	AHB 1200		2.0		0.0		0.0	0.5	0.0	0.0	2.0	1.0	0.1	0.4	2.0
PRT 327	HHB 299		1.0		0.0		0.0	0.0	0.0	0.0	1.0	0.5	0.0	0.2	1.0
PRT 328	Dhanshakti		1.0		0.0		0.0	0.0	0.0	4.0	1.0	0.5	1.0	0.8	4.0
PRT 329	ICMV 221		0.0		0.0		0.0	0.5	2.5	0.0	0.0	0.0	0.8	0.5	2.5
PRT 330	Pusa Composite 701		0.0		0.0		0.0	0.0	0.0	3.5	0.0	0.0	0.9	0.6	3.5
PRT 331	Pusa Composite 383		1.0		0.0		0.0	0.0	0.0	0.0	1.0	0.5	0.0	0.2	1.0
PRT 332	JBV 2		1.0		0.0		0.0	0.0	0.0	0.0	1.0	0.5	0.0	0.2	1.0
PRT 333	Raj 171		2.5		0.0		0.0	0.0	0.0	0.0	2.5	1.3	0.0	0.4	2.5
PRT 334	Mahabeej 1005		4.0		0.0		0.0	0.0	0.0	5.0	4.0	2.0	1.3	1.5	5.0
PRT 335	Pratap (MH 1642)		0.0		0.0		0.0	0.0	0.0	7.5	0.0	0.0	1.9	1.3	7.5
PRT 336	NBH 4903		0.0		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRT 337	Pusa Comp. 612		0.0		0.0		0.0	0.0	0.0	2.5	0.0	0.0	0.6	0.4	2.5
	<b>Mean Entries</b>		<b>1.3</b>		<b>0.0</b>		<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>1.3</b>	<b>1.3</b>	<b>0.7</b>	<b>0.4</b>	<b>0.5</b>	<b>1.3</b>

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**Table IV 10 - Downy Mildew Incidence of PMDMVN-2024 (PMPT IV) entries at -30 DAS-Kharif 2024**

Identity	PMDMVN Code-2024	Downy Mildew Incidence (%) 30 DAS										Entry Mean
		ABD	CBE	DHL	GLR	HSR	JPR	MDR	JMR	MYS	PTR	
PMDMVN-1	ICPMDML-1	1.4	0.0	0.0	0.0	0.0	2.2	3.1	0.0	8.0	5.5	2.0
PMDMVN-2	ICPMDML-2	0.0	0.0	1.1	3.6	0.0	0.0	4.8	1.6	6.0	9.5	2.7
PMDMVN-3	ICPMDML-3	0.0	0.0	1.9	2.0	0.0	12.5	6.1	0.0	12.0	19.0	5.3
PMDMVN-4	ICPMDML-4	0.0	2.3	25.0	0.0	0.0	0.0	8.2	11.6	9.0	5.8	6.2
PMDMVN-5	ICPMDML-5	0.0	0.0	10.6	0.0	0.0	0.0	3.9	4.8	7.0	11.0	3.7
PMDMVN-6	ICPMDML-6	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	4.0	1.7	1.0
PMDMVN-7	ICPMDML-7	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	5.0	1.0	0.9
PMDMVN-8	ICPMDML-8	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	2.0	0.6	0.5
PMDMVN-9	ICPMDML-9	1.4	0.0	4.9	0.0	0.0	0.0	2.4	1.7	4.0	0.0	1.4
PMDMVN-10	ICPMDML-10	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.0	0.0	0.6
PMDMVN-11	ICPMDML-11	0.0	0.0	0.0	3.9	0.0	1.8	2.2	0.0	3.0	0.6	1.2
PMDMVN-12	ICPMDML-12	0.0	0.0	0.5	0.0	0.0	3.0	2.6	1.9	3.0	3.2	1.4
PMDMVN-13	ICPMDML-13	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.0	0.0	0.6
IP 11930	ICPMDML-14	0.0	0.8	2.2	0.0	0.0	0.0	4.8	6.6	2.0	2.7	1.9
IP 6193-2	ICPMDML-15	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	4.0	2.4	1.0
IP 8418-3	ICPMDML-16	0.0	0.0	2.2	0.0	6.7	5.0	5.1	0.0	4.0	1.9	2.5
IP 18292	ICPMDML-17	0.0	0.0	0.0	0.0	0.0	12.0	3.9	7.0	3.0	4.4	3.0
IP 18293	ICPMDML-18	0.0	0.0	0.0	2.8	0.0	0.0	5.7	0.0	7.0	3.6	1.9
IP 9645	ICPMDML-19	0.0	0.0	3.4	0.0	0.0	0.0	3.8	0.0	4.0	3.6	1.5
YG 8	ICPMDML-20	3.8	3.7	7.0	0.0	0.0	0.0	3.3	4.2	3.0	1.1	2.6
834 B	ICPMDML-21	0.0	0.0	0.9	0.0	0.0	0.0	5.4	2.3	5.0	5.3	1.9
IP 5719-3	ICPMDML-22	0.0	0.0	0.5	4.2	2.5	2.4	3.4	0.0	8.0	11.7	3.3
IP 9997	ICPMDML-23	0.0	0.0	2.7	0.0	0.0	0.0	4.3	0.0	7.0	2.6	1.7
IP 18294	ICPMDML-24	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	3.0	0.0	1.0
7042 S	ICPMDML-25	76.6	90.1	97.5	76.4	79.7	70.0	71.8	71.6	89.0	86.6	80.9
ICPMDMR-24-1	ICPMDML-26	0.0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	5.0	7.8	2.1
ICPMDMR-24-2	ICPMDML-27	0.0	0.0	0.6	1.1	0.0	0.0	4.2	0.0	3.0	0.6	1.0
ICPMDMR-24-3	ICPMDML-28	0.0	0.0	0.0	0.0	3.1	0.0	6.3	1.7	3.0	0.0	1.4
ICPMDMR-24-4	ICPMDML-29	1.3	0.0	0.0	0.0	0.0	0.0	3.9	0.0	2.0	1.2	0.8
ICPMDMR-24-12	ICPMDML-30	0.0	0.0	7.1	0.0	*	0.0	3.4	3.0	13.0	9.4	4.0
150-SB-24	ICPMDML-31	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.6	4.0	1.1	1.0
229-SB-24	ICPMDML-32	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.0	0.6	0.5
185-SB-24	ICPMDML-33	0.0	0.0	0.0	0.0	0.0	3.6	2.7	0.0	3.0	0.0	0.9
171-SB-24	ICPMDML-34	0.0	0.0	0.0	0.0	0.0	16.4	5.6	0.0	6.0	18.9	4.7
J-2650	ICPMDML-35	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	4.0	1.9	1.0
J-2539	ICPMDML-36	0.0	0.0	19.6	2.2	0.0	0.0	5.0	0.0	9.0	22.6	5.8
J-2553	ICPMDML-37	0.0	0.0	0.0	3.1	0.0	0.0	4.5	1.8	8.0	0.0	1.7
JMSB20223	ICPMDML-38	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	5.0	0.0	0.8
JMSB20155	ICPMDML-39	0.0	0.0	12.7	0.0	0.0	0.0	4.8	0.0	3.0	6.0	2.7
JMSB20229	ICPMDML-40	0.0	0.0	29.0	7.9	0.0	0.0	6.7	3.3	18.0	56.5	12.1
<b>Location Mean</b>		<b>2.1</b>	<b>2.4</b>	<b>5.8</b>	<b>2.7</b>	<b>2.4</b>	<b>3.2</b>	<b>6.0</b>	<b>3.1</b>	<b>7.4</b>	<b>7.8</b>	

\* No germination

Identity	PMDMVN Code-2024	Downy Mildew Incidence (%) 30 DAS									
		ABD	CBE	DHL	GLR	HSR	JPR	MDR	JMR	MYS	PTR
<b>7042 S</b>	ICPMDML-25	76.6	90.1	97.5	76.4	79.7	70.0	71.8	71.6	89.0	86.6

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Table IV 11-Downy Mildew Incidence of PMDMVN-2024 (PMPT IV) entries at -60 DAS-Kharif 2024

Identity	PMDMVN Code-2024	Downy Mildew Incidence (%) 60 DAS										Entry Mean	Resistant ( $\leq 5\%$ DM) at number of locations
		ABD	CBE	DHL	GLR	HSR	JPR	MDR	JMR	MYS	PTR		
PMDMVN-1	ICPMDML-1	5.3	0.0	0.0	0.0	0.0	2.2	4.6	0.0	15.0	10.2	3.7	7
PMDMVN-2	ICPMDML-2	1.9	0.0	3.3	4.8	0.0	0.0	4.8	1.6	13.0	17.2	4.7	8
PMDMVN-3	ICPMDML-3	2.0	0.0	1.9	2.9	0.0	12.5	12.1	1.9	19.0	31.2	8.3	6
PMDMVN-4	ICPMDML-4	2.6	2.3	25.0	2.3	0.0	0.0	24.6	27.5	17.0	19.2	12.1	5
PMDMVN-5	ICPMDML-5	1.9	0.0	10.6	0.0	0.0	0.0	9.1	12.7	11.0	20.6	6.6	5
PMDMVN-6	ICPMDML-6	2.6	0.0	0.0	0.0	0.0	0.0	4.8	0.0	4.0	2.7	1.4	10
PMDMVN-7	ICPMDML-7	2.6	0.0	1.4	0.0	0.0	0.0	4.1	0.0	8.0	1.0	1.7	9
PMDMVN-8	ICPMDML-8	0.6	0.0	0.0	0.0	0.0	0.0	5.4	0.0	4.0	0.6	1.1	9
PMDMVN-9	ICPMDML-9	2.7	0.0	4.9	0.0	0.0	0.0	6.0	1.7	7.0	0.0	2.2	8
PMDMVN-10	ICPMDML-10	2.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	4.0	0.0	1.0	10
PMDMVN-11	ICPMDML-11	1.9	0.0	0.9	5.3	0.0	1.8	3.3	0.0	4.0	0.6	1.8	9
PMDMVN-12	ICPMDML-12	1.3	0.0	0.5	0.0	0.0	3.0	6.6	1.9	6.0	4.4	2.4	8
PMDMVN-13	ICPMDML-13	1.3	0.0	0.0	0.0	0.0	0.0	4.5	0.0	5.0	0.7	1.2	9
IP 11930	ICPMDML-14	2.0	0.8	2.2	1.8	0.0	0.0	6.5	13.1	5.0	2.7	3.4	8
IP 6193-2	ICPMDML-15	1.9	0.0	0.0	0.0	0.0	0.0	5.9	0.0	5.0	4.7	1.8	9
IP 8418-3	ICPMDML-16	2.0	0.0	2.2	0.0	6.7	5.0	6.8	4.2	6.0	3.2	3.6	7
IP 18292	ICPMDML-17	1.3	0.0	0.0	0.0	0.0	12.0	11.8	14.0	5.0	5.0	4.9	7
IP 18293	ICPMDML-18	2.0	0.0	2.0	7.0	0.0	0.0	7.1	2.2	10.0	6.0	3.6	6
IP 9645	ICPMDML-19	1.9	0.0	4.5	0.0	0.0	0.0	5.0	0.0	6.0	3.6	2.1	9
YG 8	ICPMDML-20	5.0	3.7	8.5	0.0	0.0	0.0	4.4	10.4	4.0	1.1	3.7	8
834 B	ICPMDML-21	1.3	0.0	1.3	0.0	0.0	0.0	4.8	7.0	9.0	5.8	2.9	6
IP 5719-3	ICPMDML-22	2.5	0.0	0.5	7.3	5.0	2.4	5.2	0.0	15.0	14.4	5.2	6
IP 9997	ICPMDML-23	1.9	0.0	2.7	0.0	0.0	0.0	6.5	0.0	9.0	4.6	2.5	8
IP 18294	ICPMDML-24	2.6	0.0	0.0	0.0	0.0	0.0	9.5	0.0	4.0	0.7	1.7	9
7042 S	ICPMDML-25	78.0	90.1	98.7	93.6	80.0	78.0	88.2	76.6	99.0	99.4	88.2	
ICPMDMR-24-1	ICPMDML-26	2.0	0.0	3.0	0.0	0.0	0.0	7.5	0.0	9.0	10.4	3.2	7
ICPMDMR-24-2	ICPMDML-27	3.2	0.0	0.6	3.4	0.0	0.0	6.3	0.0	4.0	0.6	1.8	9
ICPMDMR-24-3	ICPMDML-28	2.0	0.0	0.0	2.8	6.3	0.0	8.3	3.3	4.0	0.0	2.7	8
ICPMDMR-24-4	ICPMDML-29	3.3	0.0	0.9	0.0	0.0	0.0	4.3	0.0	5.0	1.2	1.5	9
ICPMDMR-24-12	ICPMDML-30	1.9	0.0	7.1	0.0	*	0.0	4.6	3.0	18.0	10.7	5.0	6
150-SB-24	ICPMDML-31	1.3	0.0	4.4	1.9	0.0	0.0	4.9	1.6	6.0	2.2	2.2	9
229-SB-24	ICPMDML-32	1.3	0.0	2.1	0.0	0.0	0.0	4.4	0.0	4.0	0.6	1.2	10
185-SB-24	ICPMDML-33	1.9	0.0	0.0	0.0	0.0	3.6	4.1	0.0	4.0	0.0	1.4	10
171-SB-24	ICPMDML-34	1.9	0.0	0.0	0.0	0.0	16.4	16.7	0.0	8.0	20.8	6.4	6
J-2650	ICPMDML-35	1.3	0.0	0.0	0.0	0.0	0.0	12.8	0.0	7.0	3.8	2.5	8
J-2539	ICPMDML-36	0.6	0.0	19.6	3.3	0.0	0.0	10.0	1.8	16.0	32.2	8.3	6
J-2553	ICPMDML-37	2.6	0.0	0.0	6.2	0.0	0.0	6.8	1.8	11.0	0.0	2.8	7
JMSB20223	ICPMDML-38	1.9	0.0	0.5	1.3	0.0	0.0	5.0	0.0	11.0	0.0	2.0	9
JMSB20155	ICPMDML-39	1.3	0.0	12.7	0.0	0.0	0.0	8.1	0.0	7.0	7.3	3.6	6
JMSB20229	ICPMDML-40	2.5	0.0	29.0	11.1	0.0	0.0	11.7	10.0	27.0	79.0	17.0	4
<b>Location Mean</b>		<b>4.0</b>	<b>2.4</b>	<b>6.3</b>	<b>3.9</b>	<b>2.5</b>	<b>3.4</b>	<b>9.3</b>	<b>4.9</b>	<b>10.9</b>	<b>10.7</b>		

\* No germination

Identity	PMDMVN Code-2024	Downy Mildew Incidence (%) 60 DAS											
		ABD	CBE	DHL	GLR	HSR	JPR	MDR	JMR	MYS	PTR		
<b>7042 S</b>	ICPMDML-25	<b>78.0</b>	<b>90.1</b>	<b>98.7</b>	<b>93.6</b>	<b>80.0</b>	<b>78.0</b>	<b>88.2</b>	<b>76.6</b>	<b>99.0</b>	<b>99.4</b>		



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Table IV 12 -Blast severity of PMBVN-2024 (PMPT-V) entries at -30 DAS- Kharif 2024														
Identity	Code-2024	Blast severity score (0-9 scale) 60 DAS												Entry Mean
		ABD	DHL	GLR	HSR	JPR	MDR	MYS	JMR	VZN	Tirupathi	NDL	PTR	
PMBVN -1	ICPMBL-1	0.0	3.5	1.0	1.7	1.0	1.5	0.0	0.1	1.5	1.6	5.0	3.8	1.7
PMBVN -2	ICPMBL-2	0.0	3.5	1.0	2.0	1.0	1.5	1.0	0.0	2.6	1.5	3.0	3.8	1.7
PMBVN -3	ICPMBL-3	1.0	1.0	0.0	2.0	1.0	1.5	0.5	0.1	2.0	*	3.0	2.8	1.4
PMBVN -4	ICPMBL-4	1.0	2.0	0.5	1.6	1.0	1.0	0.5	0.0	1.9	0.6	3.0	3.0	1.3
PMBVN -5	ICPMBL-5	1.0	1.5	0.0	1.3	1.0	1.0	1.0	0.0	2.8	1.0	5.0	3.8	1.6
PMBVN -6	ICPMBL-6	1.0	1.5	0.0	2.5	0.5	1.0	1.0	0.0	2.4	0.1	4.0	4.0	1.5
PMBVN -7	ICPMBL-7	1.0	2.5	0.5	1.8	0.5	1.0	1.0	0.1	1.7	1.1	3.0	4.0	1.5
PMBVN -8	ICPMBL-8	1.0	0.5	0.0	1.4	1.0	1.0	1.0	0.2	2.5	0.0	3.0	3.0	1.2
PMBVN -9	ICPMBL-9	1.0	2.0	0.0	1.3	1.0	1.0	1.0	0.0	2.8	0.8	3.0	4.0	1.5
PMBVN -10	ICPMBL-10	0.0	1.0	0.0	1.2	1.0	1.0	0.5	0.4	2.1	1.1	4.0	1.5	1.2
PMBVN -11	ICPMBL-11	0.0	2.5	0.0	2.0	1.0	1.0	0.5	0.0	3.2	0.8	4.0	2.0	1.4
PMBVN -12	ICPMBL-12	0.0	1.5	0.0	1.0	1.0	1.0	0.5	0.0	2.2	0.7	3.0	2.0	1.1
PMBVN -13	ICPMBL-13	0.0	1.5	0.0	1.4	1.0	1.0	1.0	0.1	2.5	0.0	3.0	2.5	1.2
PMBVN -14	ICPMBL-14	0.5	0.5	0.0	1.5	1.0	1.0	0.0	0.1	2.7	0.0	0.0	2.0	0.8
PBPMPOP 2-206-3-7-5	ICPMBL-15	0.0	0.0	0.0	*	1.0	1.0	0.0	0.1	3.0	*	1.0	1.5	0.8
PBPMPOP 2-72-1-1-4	ICPMBL-16	0.0	0.5	0.0	1.5	1.0	1.0	1.0	0.1	1.9	0.0	1.0	2.0	0.8
PBPMPOP 2-206-3-5-6	ICPMBL-17	0.5	0.5	0.0	1.2	1.0	1.0	0.5	0.3	1.6	0.3	2.0	2.0	0.9
PBPMPOP 2-48-5-1	ICPMBL-18	0.0	0.0	0.0	1.4	0.5	1.0	0.5	0.0	2.8	0.2	1.0	1.5	0.7
PBPMPOP 2-58-11-1	ICPMBL-19	1.0	0.5	0.0	2.4	1.0	1.0	0.0	0.1	1.7	0.6	1.0	3.0	1.0
PBPMPOP 2-210-1-5-2	ICPMBL-20	1.5	2.0	0.0	*	1.0	1.0	0.5	0.0	2.0	0.0	3.0	1.0	1.1
PBPMPOP 2-58-2-1	ICPMBL-21	0.0	0.5	0.0	1.4	1.0	1.0	0.0	0.2	1.6	0.0	1.0	1.5	0.7
ICMR 06444	ICPMBL-22	1.0	0.5	0.0	1.0	1.0	1.0	0.0	0.0	2.2	0.2	0.0	2.0	0.7
IP 21187-P1	ICPMBL-23	1.0	0.5	0.0	1.4	1.0	1.0	0.5	0.4	2.0	0.4	1.0	2.0	0.9
<b>ICMB 95444</b>	<b>ICPMBL-24</b>	<b>1.0</b>	<b>3.0</b>	<b>1.0</b>	<b>2.5</b>	<b>2.0</b>	<b>2.0</b>	<b>3.0</b>	<b>1.5</b>	<b>2.3</b>	<b>3.5</b>	<b>7.0</b>	<b>5.0</b>	<b>2.8</b>
HP-B-458	ICPMBL-25	0.5	0.0	0.0	1.4	0.5	1.0	0.5	0.4	2.3	*	1.0	1.5	0.8
ICMR 06666	ICPMBL-26	0.0	0.0	0.0	1.6	1.0	1.0	0.0	0.0	2.3	0.4	1.0	1.0	0.7
ICMR 10888	ICPMBL-27	0.0	1.0	0.0	1.4	1.0	1.0	0.0	0.1	2.8	0.0	1.0	2.0	0.9
IP 12374-1-1-2	ICPMBL-28	1.0	2.5	0.0	1.6	1.0	1.0	0.0	0.0	1.8	*	3.0	2.5	1.3
HP-B-502	ICPMBL-29	1.0	2.0	0.0	1.6	1.0	1.0	0.0	0.0	2.6	0.0	4.0	3.0	1.4
ICMR 11003	ICPMBL-30	1.0	0.5	0.0	1.5	0.5	1.0	0.5	0.0	1.6	0.5	0.0	1.5	0.7
ICPMBR-24-1	ICPMBL-31	0.5	2.0	0.0	1.2	0.5	1.0	0.0	0.1	1.9	0.5	2.0	1.5	0.9
ICPMBR-24-2	ICPMBL-32	0.0	0.0	0.0	1.6	1.0	1.0	0.0	0.1	1.9	0.4	1.0	2.0	0.8
ICPMBR-24-5	ICPMBL-33	0.5	2.0	0.0	1.9	1.0	1.0	0.0	0.1	3.0	0.1	3.0	2.5	1.3
ICPMBR-24-6	ICPMBL-34	1.0	1.0	0.0	1.2	1.0	1.0	0.5	0.4	3.4	0.0	3.0	2.0	1.2
IP 11353	ICPMBL-35	0.5	0.0	0.0	*	1.0	1.0	0.0	0.1	2.9	0.0	3.0	1.5	0.9

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Table IV 12 -Blast severity of PMBVN-2024 (PMPT-V) entries at -30 DAS- Kharif 2024

Identity	Code-2024	Blast severity score (0-9 scale) 60 DAS												Entry Mean
		ABD	DHL	GLR	HSR	JPR	MDR	MYS	JMR	VZN	Tirupathi	NDL	PTR	
IP 22423	ICPMBL-36	0.5	1.5	0.0	1.5	1.0	1.0	0.0	0.2	2.4	0.8	1.0	2.0	1.0
ICMR100844	ICPMBL-37	0.5	1.5	0.0	1.4	1.0	1.0	0.5	0.3	2.0	0.0	1.0	1.0	0.9
IP 8280	ICPMBL-38	1.0	1.0	0.0	*	1.0	1.0	0.5	0.0	2.3	0.2	3.0	3.0	1.2
IP 12322	ICPMBL-39	0.5	0.0	0.0	1.6	1.0	1.0	0.5	0.0	2.8	0.0	0.0	1.5	0.7
150-SB-24	ICPMBL-40	1.5	0.5	0.0	2.4	1.0	2.0	0.5	0.0	0.9	0.0	1.0	2.5	1.0
217-SB-24	ICPMBL-41	1.5	0.5	0.0	1.2	1.0	1.5	1.0	0.3	2.5	0.7	2.0	2.0	1.2
185-SB-24	ICPMBL-42	0.0	1.0	0.0	1.8	1.0	0.0	0.0	0.0	1.9	0.3	3.0	2.5	1.0
J-26650	ICPMBL-43	1.0	2.0	0.0	1.1	1.0	1.0	1.0	0.4	2.5	0.5	4.0	3.0	1.5
J-2539	ICPMBL-44	1.5	2.0	0.0	1.6	1.0	1.0	1.0	0.1	3.0	0.8	5.0	3.8	1.7
J-2596	ICPMBL-45	1.0	4.0	1.0	2.0	1.0	1.0	0.0	0.1	2.9	1.6	7.0	4.3	2.2
JMSB20208	ICPMBL-46	1.0	5.5	1.0	1.7	1.0	1.5	1.0	0.3	3.2	1.5	7.0	4.0	2.4
JMSBB20202	ICPMBL-47	1.0	4.0	1.0	1.2	1.0	1.0	0.5	0.3	2.1	1.0	7.0	2.0	1.8
24R 39	ICPMBL-48	1.0	1.0	0.0	1.3	1.0	1.0	1.0	0.2	2.0	0.3	2.0	3.0	1.2
24R 44	ICPMBL-49	0.5	1.0	0.0	1.2	1.0	1.0	1.0	0.1	2.4	0.7	1.0	2.0	1.0
24R 45	ICPMBL-50	0.5	0.0	0.0	1.2	0.5	1.0	0.0	0.3	1.9	0.6	1.0	1.5	0.7
24R 54	ICPMBL-51	0.0	3.5	0.0	2.6	1.0	1.0	0.5	0.2	2.6	2.2	4.0	4.0	1.8
128 R	ICPMBL-52	0.5	1.0	0.0	1.2	1.0	1.0	0.0	0.1	2.7	0.6	5.0	2.0	1.3
24R 59	ICPMBL-53	1.0	3.0	0.0	1.7	1.0	1.0	0.0	0.1	1.2	0.1	3.0	1.0	1.1
24R 64	ICPMBL-54	2.0	3.0	0.0	1.4	0.5	2.0	0.5	0.1	2.4	0.8	4.0	3.8	1.7
24R 82	ICPMBL-55	0.0	0.0	0.0	1.8	1.0	1.0	0.5	0.1	1.8	0.0	0.0	2.0	0.7
24R 106	ICPMBL-56	1.0	2.5	0.0	1.2	1.0	1.0	1.0	0.1	2.8	0.5	3.0	3.0	1.4
24R 134	ICPMBL-57	0.0	2.5	0.0	1.5	1.0	1.5	0.5	0.2	2.2	0.0	3.0	2.0	1.2
24R 89 (1356R)	ICPMBL-58	0.0	1.5	1.0	1.7	1.0	1.0	0.5	0.3	2.7	0.0	7.0	1.0	1.5
24R 84	ICPMBL-59	1.0	4.5	0.0	1.6	1.0	1.0	1.0	0.3	2.2	0.9	7.0	4.0	2.0
BL 77 ( 1439)	ICPMBL-60	0.5	1.5	0.0	1.3	1.0	1.5	1.0	0.6	2.6	0.3	3.0	3.5	1.4
<b>Location Mean</b>		<b>0.6</b>	<b>1.5</b>	<b>0.1</b>	<b>1.6</b>	<b>1.0</b>	<b>1.1</b>	<b>0.5</b>	<b>0.2</b>	<b>2.3</b>	<b>0.5</b>	<b>2.8</b>	<b>2.5</b>	

\* No Germination

Check	DAS	Blast severity score (0-9 scale)											
		ABD	DHL	GLR	HSR	JPR	MDR	MYS	JMR	VZM	Tirupathi	NDL	PTR
IR-I: ICMB 95444 = Indicator row	30	1.0	3.0	1.0	2.5	2.0	2.0	3.0	1.5	2.3	3.5	7.0	5.0
	45												
	60												

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Table IV 12A -Blast severity of PMBVN-2024 entries at -45 DAS- Kharif 2024														
Identity	Code-2024	Blast severity score (0-9 scale) 60 DAS												Entry Mean
		ABD	DHL	GLR	HSR	JPR	MDR	MYS	JMR	VZN	Tirupathi	NDL	PTR	
PMBVN -1	ICPMBL-1	0.0	5.5	2.5	2.3	2.0	2.0	2.0	0.6	3.3	2.8	7.0	5.8	3.0
PMBVN -2	ICPMBL-2	0.0	4.5	2.0	2.4	2.0	2.0	1.0	0.1	3.8	3.2	5.0	5.8	2.6
PMBVN -3	ICPMBL-3	1.5	2.0	1.5	2.2	2.0	1.5	2.0	0.5	3.1	*	3.0	4.8	2.2
PMBVN -4	ICPMBL-4	1.5	3.0	2.0	2.4	2.0	1.0	3.0	0.1	3.1	1.5	4.0	4.8	2.4
PMBVN -5	ICPMBL-5	1.5	2.5	2.0	1.9	2.0	1.0	2.0	0.0	4.2	1.7	5.0	5.5	2.4
PMBVN -6	ICPMBL-6	2.5	2.5	1.0	2.8	1.0	2.0	2.0	0.0	3.7	1.2	6.0	6.0	2.6
PMBVN -7	ICPMBL-7	1.5	3.5	2.0	2.1	1.0	2.5	3.0	0.3	5.0	3.4	3.0	5.8	2.8
PMBVN -8	ICPMBL-8	1.0	1.5	1.0	2.0	2.0	1.0	2.0	0.7	3.6	0.2	3.0	4.5	1.9
PMBVN -9	ICPMBL-9	2.0	3.0	0.0	1.8	2.0	2.5	2.0	0.0	4.9	2.1	5.0	6.0	2.6
PMBVN -10	ICPMBL-10	0.0	2.0	1.0	1.5	2.0	1.0	1.5	1.2	3.9	3.0	5.0	2.5	2.1
PMBVN -11	ICPMBL-11	0.0	3.5	0.0	2.6	2.0	2.0	1.0	0.2	4.6	1.2	4.0	3.0	2.0
PMBVN -12	ICPMBL-12	0.0	3.0	1.5	1.2	2.0	3.0	2.0	0.4	3.8	1.6	5.0	3.5	2.3
PMBVN -13	ICPMBL-13	0.0	2.5	1.0	1.6	2.0	1.5	3.0	0.3	3.9	0.0	5.0	4.3	2.1
PMBVN -14	ICPMBL-14	2.0	1.0	0.0	1.6	2.0	1.0	1.0	0.2	5.2	0.0	1.0	3.3	1.5
PBPMPOP 2-206-3-7-5	ICPMBL-15	0.0	0.5	0.0	*	2.0	1.0	1.0	0.2	5.0	*	3.0	2.5	1.5
PBPMPOP 2-72-1-1-4	ICPMBL-16	0.0	1.5	0.0	1.9	2.0	1.0	1.0	0.2	3.3	0.0	2.0	3.0	1.3
PBPMPOP 2-206-3-5-6	ICPMBL-17	1.0	1.5	0.0	1.2	2.0	1.0	2.0	0.7	2.8	1.3	3.0	3.0	1.6
PBPMPOP 2-48-5-1	ICPMBL-18	1.0	0.0	1.0	1.5	1.0	1.0	1.0	0.0	4.5	0.3	1.0	2.5	1.2
PBPMPOP 2-58-11-1	ICPMBL-19	2.0	1.0	1.0	3.2	2.0	1.0	1.0	0.2	4.2	1.5	3.0	4.0	2.0
PBPMPOP 2-210-1-5-2	ICPMBL-20	2.5	3.0	0.0	*	2.0	2.5	1.0	0.0	2.9	0.4	5.0	2.0	1.9
PBPMPOP 2-58-2-1	ICPMBL-21	0.0	1.0	0.0	2.6	2.0	1.0	1.0	0.4	3.9	0.0	2.0	2.5	1.4
ICMR 06444	ICPMBL-22	1.5	1.5	0.0	1.7	2.0	1.0	1.0	0.0	4.3	0.5	1.0	3.0	1.5
IP 21187-P1	ICPMBL-23	2.5	1.0	1.0	1.6	2.0	1.0	1.0	0.8	4.3	1.4	3.0	3.0	1.9
<b>ICMB 95444</b>	<b>ICPMBL-24</b>	<b>3.0</b>	<b>4.0</b>	<b>2.0</b>	<b>3.0</b>	<b>2.0</b>	<b>3.0</b>	<b>5.0</b>	<b>3.0</b>	<b>3.3</b>	<b>8.0</b>	<b>9.0</b>	<b>7.3</b>	<b>4.4</b>
HP-B-458	ICPMBL-25	1.0	0.0	0.0	1.5	1.5	2.5	2.0	1.2	3.8	*	2.0	2.5	1.6
ICMR 06666	ICPMBL-26	0.0	0.5	0.0	3.1	2.0	2.0	1.0	0.3	3.6	1.6	1.0	2.0	1.4
ICMR 10888	ICPMBL-27	0.0	2.5	0.0	1.8	2.0	1.0	2.0	0.3	4.0	0.1	2.0	3.0	1.6
IP 12374-1-1-2	ICPMBL-28	2.0	4.5	1.0	1.6	2.0	3.0	2.0	0.0	3.6	*	5.0	4.0	2.6
HP-B-502	ICPMBL-29	2.5	3.0	0.0	2.0	2.0	1.0	3.0	0.0	4.1	0.0	5.0	4.3	2.2
ICMR 11003	ICPMBL-30	2.0	2.0	1.0	1.7	1.0	1.0	2.0	0.3	2.9	1.4	2.0	2.0	1.6
ICPMBR-24-1	ICPMBL-31	2.0	3.0	0.0	1.2	1.0	2.0	1.0	0.6	3.0	1.4	3.0	2.5	1.7
ICPMBR-24-2	ICPMBL-32	0.0	0.0	0.0	1.8	2.0	1.0	2.0	0.2	4.1	1.1	3.0	3.0	1.5
ICPMBR-24-5	ICPMBL-33	1.0	3.0	1.0	2.1	2.0	2.0	3.0	0.4	4.3	0.4	5.0	4.0	2.4
ICPMBR-24-6	ICPMBL-34	1.5	2.0	0.0	2.0	2.0	1.5	1.0	0.9	4.2	0.0	4.0	3.3	1.9

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Table IV 12A -Blast severity of PMBVN-2024 entries at -45 DAS- Kharif 2024														
Identity	Code-2024	Blast severity score (0-9 scale) 60 DAS												Entry Mean
		ABD	DHL	GLR	HSR	JPR	MDR	MYS	JMR	VZN	Tirupathi	NDL	PTR	
IP 11353	ICPMBL-35	1.0	0.5	1.0	*	2.0	1.0	1.0	0.4	4.3	0.1	3.0	2.5	1.5
IP 22423	ICPMBL-36	1.0	3.0	0.0	1.7	2.0	2.0	1.0	0.8	4.2	1.4	1.0	2.5	1.7
ICMR100844	ICPMBL-37	1.5	2.5	1.0	1.7	2.0	1.0	1.0	0.8	3.5	0.0	1.0	2.0	1.5
IP 8280	ICPMBL-38	1.5	2.0	0.0	*	2.0	2.5	2.0	0.1	4.2	0.9	5.0	4.8	2.3
IP 12322	ICPMBL-39	1.5	0.0	0.0	2.2	2.0	1.0	1.0	0.6	4.6	0.0	2.0	2.5	1.5
150-SB-24	ICPMBL-40	2.0	2.0	0.0	2.7	2.0	2.0	2.0	0.1	2.4	0.0	3.0	4.5	1.9
217-SB-24	ICPMBL-41	2.5	1.5	1.0	2.2	2.0	1.5	2.0	1.0	4.4	2.1	4.0	2.5	2.2
185-SB-24	ICPMBL-42	0.0	2.5	2.0	1.8	2.0	1.5	1.0	0.0	3.8	0.7	5.0	4.5	2.1
J-26650	ICPMBL-43	3.0	4.0	1.0	2.9	2.0	2.0	2.0	1.0	3.0	1.4	4.0	5.5	2.7
J-2539	ICPMBL-44	2.0	3.0	1.0	1.7	2.0	2.5	3.0	0.4	3.8	1.5	7.0	5.5	2.8
J-2596	ICPMBL-45	2.5	5.5	3.0	2.2	2.0	3.0	1.0	0.6	4.6	3.3	8.0	6.5	3.5
JMSB20208	ICPMBL-46	2.5	6.5	3.0	1.9	2.0	1.5	2.0	1.1	4.1	3.8	9.0	6.3	3.6
JMSBB20202	ICPMBL-47	2.5	5.0	3.0	1.4	2.0	3.0	1.0	0.7	3.8	1.6	9.0	3.8	3.1
24R 39	ICPMBL-48	1.5	2.0	1.0	1.7	2.0	1.0	1.0	0.5	3.7	0.9	3.0	4.8	1.9
24R 44	ICPMBL-49	1.5	1.5	2.0	1.8	2.0	1.0	2.0	0.5	4.0	1.3	3.0	3.0	2.0
24R 45	ICPMBL-50	1.0	0.5	0.0	2.2	1.0	1.0	1.0	0.7	3.1	1.5	2.0	2.5	1.4
24R 54	ICPMBL-51	0.0	4.5	1.0	2.9	2.0	2.5	3.0	0.5	3.7	3.1	5.0	6.0	2.9
128 R	ICPMBL-52	1.5	2.0	0.0	1.5	2.0	1.0	1.0	0.3	4.5	1.4	7.0	4.0	2.2
24R 59	ICPMBL-53	1.5	4.0	1.0	1.9	2.0	2.5	2.0	0.3	3.2	1.1	5.0	2.0	2.2
24R 64	ICPMBL-54	2.5	4.5	1.5	1.5	1.5	2.5	2.0	0.4	3.3	1.5	6.0	5.8	2.7
24R 82	ICPMBL-55	0.0	0.0	0.0	2.5	2.0	1.0	1.0	0.3	4.8	0.0	0.0	3.3	1.2
24R 106	ICPMBL-56	2.0	4.0	1.0	1.9	2.0	2.5	1.0	0.3	3.8	1.3	5.0	4.3	2.4
24R 134	ICPMBL-57	0.0	4.0	1.5	1.8	2.0	2.5	2.0	0.5	3.8	0.0	5.0	3.3	2.2
24R 89 (1356R)	ICPMBL-58	0.0	2.5	2.0	1.9	2.0	1.5	1.0	0.6	4.6	0.4	9.0	2.0	2.3
24R 84	ICPMBL-59	2.5	5.5	0.0	1.8	2.0	1.5	2.0	0.7	3.8	1.8	9.0	5.8	3.0
BL 77 ( 1439)	ICPMBL-60	1.5	3.0	1.5	1.5	2.0	2.0	2.0	1.4	4.0	1.4	5.0	5.3	2.5
<b>Location Mean</b>		<b>1.3</b>	<b>2.5</b>	<b>0.9</b>	<b>2.0</b>	<b>1.9</b>	<b>1.7</b>	<b>1.7</b>	<b>0.5</b>	<b>3.9</b>	<b>1.3</b>	<b>4.2</b>	<b>3.9</b>	

\* No Germination

Check	DAS	Blast severity score (0-9 scale)												
		ABD	DHL	GLR	HSR	JPR	MDR	MYS	JMR	izianagara	Tirupathi	NDL	PTR	
IR-I: ICMB 95444 = Indicator row	30													
	45	3.0	4.0	2.0	3.0	2.0	3.0	5.0	3.0	3.3	8.0	9.0	7.3	
	60													

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Table IV 12B -Blast severity of PMBVN-2024(PMPT-V) entries at -60 DAS- Kharif 2024															
Identity	Code-2024	Blast severity score (0-9 scale) 60 DAS												Entry Mean	Resistant ( $\leq 3.0$ score) at no. of locations
		ABD	DHL	GLR	HSR	JPR	MDR	MYS	JMR	VZN	Tirupathi	NDL	PTR		
PMBVN -1	ICPMBL-1	0.0	6.5	5.0	3.5	3.0	5.5	4.0	2.7	4.6	4.4	8.0	7.0	4.5	3
PMBVN -2	ICPMBL-2	0.0	5.5	4.5	2.6	3.0	4.5	4.0	1.1	6.0	3.1	7.0	6.5	4.0	4
PMBVN -3	ICPMBL-3	2.5	3.0	3.5	2.4	3.0	1.5	3.0	2.8	4.3	*	5.0	5.5	3.3	7
PMBVN -4	ICPMBL-4	3.5	4.0	5.0	2.9	3.0	2.5	3.0	0.9	4.2	1.8	6.0	5.5	3.5	6
PMBVN -5	ICPMBL-5	3.0	3.5	4.5	2.5	3.0	2.5	4.0	1.5	5.1	2.1	7.0	6.0	3.7	6
PMBVN -6	ICPMBL-6	5.0	3.5	3.0	3.1	3.0	3.5	4.0	2.1	5.3	2.2	7.0	7.0	4.1	4
PMBVN -7	ICPMBL-7	3.0	4.5	4.0	2.8	1.5	4.0	4.0	1.5	6.3	5.7	5.0	7.0	4.1	4
PMBVN -8	ICPMBL-8	2.5	2.0	3.0	2.3	3.0	1.5	3.0	2.7	5.1	0.9	4.0	5.3	2.9	9
PMBVN -9	ICPMBL-9	4.0	4.0	1.0	2.5	3.0	4.0	3.0	0.4	6.5	3.2	5.0	6.5	3.6	5
PMBVN -10	ICPMBL-10	0.0	3.0	3.0	2.4	3.0	2.0	3.0	5.3	5.4	3.8	7.0	3.5	3.5	7
PMBVN -11	ICPMBL-11	0.0	4.5	1.0	3.4	3.0	4.0	4.0	2.4	6.2	2.5	6.0	4.5	3.5	5
PMBVN -12	ICPMBL-12	0.0	4.0	3.5	2.1	3.0	4.5	3.0	1.2	5.3	2.5	6.0	4.5	3.3	6
PMBVN -13	ICPMBL-13	0.0	3.5	2.5	1.9	3.0	2.0	4.0	1.0	5.3	0.0	5.0	5.0	2.8	7
PMBVN -14	ICPMBL-14	3.0	1.5	1.0	2.1	3.0	1.0	2.0	1.4	6.5	0.0	1.0	3.8	2.2	10
PBPMPOP 2-206-3-7-5	ICPMBL-15	0.0	1.0	1.5	*	3.0	1.5	3.0	0.8	6.6	*	3.0	3.0	2.3	9
PBPMPOP 2-72-1-1-4	ICPMBL-16	0.0	2.0	1.0	2.5	3.0	1.5	2.0	0.9	5.3	0.0	2.0	3.0	1.9	11
PBPMPOP 2-206-3-5-6	ICPMBL-17	2.0	2.0	2.0	1.4	3.0	1.5	3.0	5.0	4.2	1.7	3.0	3.0	2.7	10
PBPMPOP 2-48-5-1	ICPMBL-18	2.5	0.5	3.0	2.0	1.5	1.0	3.0	0.3	5.6	0.8	3.0	3.0	2.2	11
PBPMPOP 2-58-11-1	ICPMBL-19	4.0	2.0	3.5	4.2	3.0	2.0	4.0	1.4	5.7	1.9	3.0	4.5	3.3	6
PBPMPOP 2-210-1-5-2	ICPMBL-20	5.5	4.0	1.0	*	3.0	4.0	2.0	0.5	4.9	1.5	5.0	3.0	3.1	6
PBPMPOP 2-58-2-1	ICPMBL-21	0.0	1.5	1.5	2.8	3.0	1.0	2.0	2.6	5.0	0.1	2.0	3.0	2.0	11
ICMR 06444	ICPMBL-22	3.0	2.0	1.0	2.0	3.0	1.0	2.0	0.3	5.3	0.7	1.0	3.0	2.0	11
IP 21187-P1	ICPMBL-23	4.0	2.0	2.5	1.8	3.0	2.0	2.0	2.2	6.2	2.2	3.0	3.0	2.8	10
<b>ICMB 95444</b>	<b>ICPMBL-24</b>	<b>4.0</b>	<b>5.0</b>	<b>4.0</b>	<b>4.2</b>	<b>4.0</b>	<b>4.5</b>	<b>5.5</b>	<b>4.0</b>	<b>5.5</b>	<b>9.0</b>	<b>9.0</b>	<b>8.5</b>	<b>5.6</b>	<b>0</b>
HP-B-458	ICPMBL-25	1.5	0.0	1.0	2.0	2.0	4.5	3.0	4.8	5.8	*	2.0	3.5	2.7	7
ICMR 06666	ICPMBL-26	0.0	1.0	1.0	3.9	3.0	3.0	2.0	1.5	4.7	2.6	1.0	3.0	2.2	10
ICMR 10888	ICPMBL-27	0.0	3.0	1.5	1.8	3.0	2.0	2.0	2.5	6.2	0.9	2.0	3.8	2.4	10
IP 12374-1-1-2	ICPMBL-28	3.5	5.5	3.5	2.5	3.0	5.5	3.0	0.8	4.5	*	5.0	3.8	3.7	4
HP-B-502	ICPMBL-29	4.5	4.5	1.0	2.3	3.0	1.0	4.0	0.7	5.5	0.0	7.0	4.3	3.1	6
ICMR 11003	ICPMBL-30	3.5	3.0	2.5	2.5	1.5	1.0	2.0	1.4	4.2	3.4	2.0	3.0	2.5	9
ICPMBR-24-1	ICPMBL-31	3.5	4.0	1.5	1.6	1.5	3.5	3.0	3.3	4.1	1.7	3.0	3.5	2.9	6
ICPMBR-24-2	ICPMBL-32	0.0	1.0	1.5	2.2	3.0	1.5	3.0	1.2	5.3	1.3	3.0	4.0	2.3	10
ICPMBR-24-5	ICPMBL-33	3.5	4.5	2.5	2.4	3.0	4.5	4.0	1.9	5.5	0.8	5.0	5.0	3.6	5
ICPMBR-24-6	ICPMBL-34	2.5	2.5	1.5	2.0	3.0	2.0	2.0	3.0	6.2	0.0	4.0	4.0	2.7	9

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Identity	Code-2024	Blast severity score (0-9 scale) 60 DAS												Entry Mean	Resistant ( $\leq 3.0$ score) at no. of locations
		ABD	DHL	GLR	HSR	JPR	MDR	MYS	JMR	VZN	Tirupathi	NDL	PTR		
IP 11353	ICPMBL-35	3.0	1.0	2.5	*	3.0	1.0	3.0	2.4	5.9	0.6	5.0	3.5	2.8	8
IP 22423	ICPMBL-36	2.0	4.0	1.0	2.1	3.0	4.0	3.0	3.9	5.7	2.4	1.0	4.0	3.0	7
ICMR100844	ICPMBL-37	2.5	3.5	2.5	2.3	3.0	2.0	3.0	2.7	5.3	1.9	1.0	3.0	2.7	10
IP 8280	ICPMBL-38	3.0	3.0	1.0	*	3.0	4.0	3.5	1.1	5.2	1.2	6.0	5.3	3.3	6
IP 12322	ICPMBL-39	3.5	0.5	1.0	2.2	3.0	1.5	2.0	2.6	6.4	0.9	2.0	3.0	2.4	10
150-SB-24	ICPMBL-40	2.5	3.0	1.0	3.2	3.0	2.0	3.0	0.8	4.2	0.0	3.0	4.8	2.5	9
217-SB-24	ICPMBL-41	4.5	2.0	2.5	3.2	3.0	1.5	2.0	4.2	5.7	2.7	6.0	3.0	3.4	7
185-SB-24	ICPMBL-42	0.0	3.5	3.5	2.2	3.0	3.0	4.0	2.1	5.0	0.9	6.0	4.8	3.2	6
J-26650	ICPMBL-43	5.5	5.5	3.0	3.6	3.0	4.5	4.0	4.2	3.9	2.2	6.0	6.5	4.3	3
J-2539	ICPMBL-44	3.5	4.5	2.5	2.1	3.0	4.0	4.0	1.8	5.4	2.0	8.0	6.0	3.9	5
J-2596	ICPMBL-45	4.5	6.5	6.0	3.7	3.0	5.0	2.0	2.0	6.6	4.6	9.0	7.0	5.0	3
JMSB20208	ICPMBL-46	4.5	7.5	6.0	2.8	3.0	5.5	3.0	3.8	5.6	8.0	9.0	7.0	5.5	2
JMSBB20202	ICPMBL-47	4.0	6.0	5.5	1.6	3.0	5.5	3.0	1.2	6.1	2.2	9.0	5.0	4.3	5
24R 39	ICPMBL-48	3.0	2.5	3.5	3.1	3.0	2.0	3.0	2.2	4.8	1.2	3.0	5.5	3.1	8
24R 44	ICPMBL-49	2.5	2.5	3.0	2.6	3.0	1.0	2.5	2.5	5.8	1.8	3.0	3.0	2.8	11
24R 45	ICPMBL-50	1.5	1.5	1.0	2.4	3.0	2.0	3.0	3.7	4.4	1.7	2.0	3.5	2.5	9
24R 54	ICPMBL-51	0.5	5.5	3.5	3.7	3.0	4.5	3.0	1.9	5.2	5.5	5.0	6.5	4.0	4
128 R	ICPMBL-52	2.0	3.0	1.0	1.8	3.0	1.0	4.0	1.0	6.0	2.1	8.0	6.0	3.2	8
24R 59	ICPMBL-53	3.0	5.5	3.5	2.5	3.0	4.5	3.0	1.3	4.6	1.4	5.0	4.0	3.4	6
24R 64	ICPMBL-54	5.5	6.5	3.5	2.1	3.0	6.5	4.0	4.0	5.6	1.7	6.0	7.0	4.6	3
24R 82	ICPMBL-55	0.0	0.5	1.0	3.3	3.0	2.0	3.0	1.4	5.6	0.2	0.0	3.5	2.0	5
24R 106	ICPMBL-56	3.5	5.0	3.0	2.6	3.0	4.5	4.0	1.5	4.7	2.9	5.0	5.0	3.7	5
24R 134	ICPMBL-57	0.0	5.0	3.5	2.1	3.0	4.5	3.0	3.9	5.4	1.2	5.0	5.0	3.5	5
24R 89 (1356R)	ICPMBL-58	0.0	3.5	3.5	2.2	3.0	3.0	3.0	2.1	6.5	0.6	9.0	3.5	3.3	7
24R 84	ICPMBL-59	4.0	7.0	2.0	2.1	3.0	4.0	3.0	2.5	5.8	3.1	9.0	6.0	4.3	5
BL 77 ( 1439)	ICPMBL-60	2.5	4.0	3.0	1.9	3.0	4.5	4.0	5.8	5.3	1.9	5.0	6.0	3.9	5
<b>Location Mean</b>		<b>2.4</b>	<b>3.4</b>	<b>2.6</b>	<b>2.5</b>	<b>2.9</b>	<b>3.0</b>	<b>3.1</b>	<b>2.2</b>	<b>5.4</b>	<b>2.1</b>	<b>4.7</b>	<b>4.7</b>		

\* No Germination

Check	DAS	Blast severity score (0-9 scale)													
		ABD	DHL	GLR	HSR	JPR	MDR	MYS	JMR	VZN	Tirupathi	NDL	PTR		
ICMB 95444	30														
	45														
	60	4.0	5.0	4.0	4.2	4.0	4.5	5.5	4.0	5.5	9.0	9.0	8.5		

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Table IV 13: Management of downy mildew by using organic practices (PMPT VII ) *Kharif 2024*

Downy mildew disease incidence (%) at Pre-tillering stage (30 DAS)

T.No.	Treatments	Time and method of applications	Zone A					Zone B				
			MDR	JPR	HSR	GLR	JMR	MYS	CBE	DHL	ABD1	PTR
T1	Microbial Consortia (Combination of 3 microbes) Trichoderma/Bacillus/Pseudomonas	Seed Treatment @ 8.0 g/kg	4.3	*	4.1	1.2	7.6	14.0	1.2	2.4	4.3	3.5
T2	Microb Consortia (Combination of 3 microbes) Trichoderma/Bacillus/Pseudomonas	Seed Treatment @ 8.0 g/kg + Soil amendment @ 8.0 g/lt	3.0	*	5.5	1.6	9.8	15.3	1.0	1.1	3.7	3.2
T3	Microbial Cons. (Combination of 4 microbes) Mycorhhiza/PSB/Pseudomonas/ Trichoderma	Seed Treatment @ 8.0 g/kg	3.8	*	5.8	1.9	10.8	12.4	1.0	1.6	4.3	4.7
T4	Microbial Cons. (Combination of 4 microbes) Mycorhhiza/PSB/Pseudomonas/ Trichoderma	Soil Treatment @ 8.0 g/lt	3.0	*	4.6	1.5	10.0	15.8	0.7	2.6	5.0	4.5
T5	Microbial Cons. (Combination of 4 microbes) Mycorhhiza/PSB/Pseudomonas/ Trichoderma	Seed Treatment @ 8.0 g/kg + Soil amendment @ 8.0 g/lt	2.3	*	5.3	1.1	12.7	11.8	1.0	0.8	4.3	7.9
T6	Pseudomonas + Biochar	Seed Treatment @ 8.0 g/kg + Soil amendment 1 %	3.3	*	5.1	1.3	12.6	12.7	0.8	3.5	5.7	4.7
T7	Trichoderma + Biochar	Seed Treatment @ 8.0 g/kg+ Soil amendment 1 %	1.5	*	4.4	1.2	10.9	14.5	1.0	1.5	4.7	6.2
T8	Seed Treatment Metalaxyl 35 SD (6 g/kg)	Seed treatment	0.5	*	0.5	0.0	7.8	3.4	0.0	0.2	1.7	0.0
<b>T9</b>	<b>Control (moderate resistance)</b>	<b>Water treatment</b>	11.3	*	17.7	2.3	15.5	29.5	1.5	5.4	9.0	9.6
	<b>SE ±</b>		0.4	*	1.2	0.5	1.1	0.7	0.7	0.77	0.4	1.3
	<b>CD at 5%</b>		1.7	*	3.5	1.5	3.3	2.0	2.1	2.3	1.1	3.9
	<b>CV %</b>		22.0	*	40.8	62.8	17.3	9.6	130.9	62.6	13.1	12.8

\* No data

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Table IV 13: Management of downy mildew by using organic practices (PMPT VII ) *Kharif 2024*

Downy mildew disease incidence (%) at Pre-tillering stage (60 DAS)

T.No.	Treatments	Time and method of applications	Zone A					Zone B				
			MDR	JPR	HSR	GLR	JMR	MYS	CBE	DHL	ABD1	PTR
T1	Microbial Consortia (Combination of 3 microbes) Trichoderma/Bacillus/Pseudomonas	Seed Treatment @ 8.0 g/kg	9.0	9.5	9.9	2.5	14.0	16.0	6.9	3.3	5.0	9.7
T2	Microb Consortia (Combination of 3 microbes) Trichoderma/Bacillus/Pseudomonas	Seed Treatment @ 8.0 g/kg + Soil amendment @ 8.0 g/lt	6.5	8.3	9.0	2.8	14.2	16.5	4.8	2.5	4.7	6.9
T3	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Seed Treatment @ 8.0 g/kg	8.5	8.4	7.3	3.0	12.4	16.3	6.7	2.4	5.3	9.6
T4	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Soil Treatment @ 8.0 g/lt	7.0	8.8	7.2	2.8	12.8	17.3	6.9	3.6	6.0	9.4
T5	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Seed Treatment @ 8.0 g/kg + Soil amendment @ 8.0 g/lt	5.0	6.9	7.1	3.0	14.2	12.5	4.3	2.3	5.0	13.0
T6	Pseudomonas + Biochar	Seed Treatment @ 8.0 g/kg + Soil amendment 1 %	7.3	8.3	8.3	2.3	15.4	14.0	7.0	3.9	5.7	9.3
T7	Trichoderma + Biochar	Seed Treatment @ 8.0 g/kg+ Soil amendment 1 %	3.8	8.7	6.6	3.4	15.7	14.3	7.5	3.0	4.3	11.8
T8	Seed Treatment Metalaxyl 35 SD (6 g/kg)	Seed treatment	1.3	5.9	0.7	1.2	9.9	4.3	3.6	2.3	3.0	3.6
<b>T9</b>	<b>Control (moderate resistance)</b>	<b>Water treatment</b>	16.5	17.1	19.1	4.7	18.0	35.8	10.0	7.2	12.0	17.6
	<b>SE ±</b>		0.5	*	1.1	0.7	0.9	0.6	0.8	0.9	0.3	5.7
	<b>CD at 5%</b>		1.4	*	3.1	1.5	2.7	1.7	2.4	2.7	1.0	2.0
	<b>CV %</b>		13.1	*	25.3	29.5	11.3	7.3	21.5	46.5	10.5	16.8



CHAPTER IV: PLANT PATHOLOGY

Table IV 13: Management of downy mildew by using organic practices (PMPT VII ) *Kharif 2024*

Seedling Emergence

T.No.	Treatments	Time and method of applications	Zone A					Zone B				
			MDR	JPR	HSR	GLR	JMR	MYS	CBE	DHL	ABD1	PTR
T1	Microbial Consortia (Combination of 3 microbes) Trichoderma/Bacillus/Pseudomonas	Seed Treatment @ 8.0 g/kg	80	70	71	54	81	90	85	77	83	91
T2	Microb Consortia (Combination of 3 microbes) Trichoderma/Bacillus/Pseudomonas	Seed Treatment @ 8.0 g/kg + Soil amendment @ 8.0 g/lt	80	73	72	55	80	90	82	79	87	90
T3	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Seed Treatment @ 8.0 g/kg	80	72	75	53	82	90	81	83	85	84
T4	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Soil Treatment @ 8.0 g/lt	72	71	68	52	77	87	82	82	83	88
T5	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Seed Treatment @ 8.0 g/kg + Soil amendment @ 8.0 g/lt	80	76	74	51	79	91	83	87	88	88
T6	Pseudomonas + Biochar	Seed Treatment @ 8.0 g/kg + Soil amendment 1 %	78	73	75	52	80	92	81	77	80	81
T7	Trichoderma + Biochar	Seed Treatment @ 8.0 g/kg+ Soil amendment 1 %	79	72	76	55	78	89	81	79	71	81
T8	Seed Treatment Metalaxyl 35 SD (6 g/kg)	Seed treatment	76	82	84	55	79	91	82	87	90	89
<b>T9</b>	<b>Control (moderate resistance)</b>	<b>Water treatment</b>	71	66	69	51	80	81	85	74	67	94
	<b>SE ±</b>		0.56	1.12	1.9	3.0	2.81	1.41	1.82	1.45	2.41	1.48
	<b>CD at 5%</b>		1.66	3.39	5.4	8.9	NS	4.12	5.46	4.32	7.32	4.34
	<b>CV %</b>		1.5	2.67	5.0	9.7	6.13	3.12	3.8	3.95	5.2	3.81

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Table IV 13: Management of downy mildew by using organic practices (PMPT VII ) *Kharif 2024*

Grain Yield (Kg/Ha)

T.No.	Treatments	Time and method of applications	Zone A					Zone B				
			MDR	JPR	HSR	GLR	JMR	MYS	CBE	DHL	ABD1	PTR
T1	Microbial Consortia (Combination of 3 microbes) Trichoderma/Bacillus/Pseudomonas	Seed Treatment @ 8.0 g/kg	982.5	657.8	2587.5	1829.2	1840	1438.3	2134.3	1464.3	1378.88	1365.0
T2	Microb Consortia (Combination of 3 microbes) Trichoderma/Bacillus/Pseudomonas	Seed Treatment @ 8.0 g/kg + Soil amendment @ 8.0 g/lt	1535.0	793.7	2650.0	1820.8	2466	1785.8	2619.0	1363.3	1504.04	1387.8
T3	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Seed Treatment @ 8.0 g/kg	1132.5	703.1	2700.0	1841.7	2332	1720.3	2182.0	1561.7	1476.55	1291.3
T4	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Soil Treatment @ 8.0 g/lt	1505.0	595.8	2765.0	1837.5	2240	1716.5	2149.7	1506.0	1615.42	1390.0
T5	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Seed Treatment @ 8.0 g/kg + Soil amendment @ 8.0 g/lt	1548.8	934.3	2677.5	1733.3	2548	1971.8	2744.7	1733.3	1932.05	1262.8
T6	Pseudomonas + Biochar	Seed Treatment @ 8.0 g/kg + Soil amendment 1 %	1460.0	600.6	2800.0	1816.7	2329	1793.5	2502.0	1596.7	1351.13	1462.5
T7	Trichoderma + Biochar	Seed Treatment @ 8.0 g/kg+ Soil amendment 1 %	1625.0	738.8	2735.0	1833.3	2337	1826.0	2389.7	1682.7	1348.63	1281.0
T8	Seed Treatment Metalaxyl 35 SD (6 g/kg)	Seed treatment	1685.0	1210.7	3140.0	1929.2	2483	2044.0	2454.3	1637.0	2084.15	1961.3
<b>T9</b>	<b>Control (moderate resistance)</b>	<b>Water treatment</b>	475.0	524.3	2385.0	1733.3	1788	1016.3	2035.7	1401.7	1128.88	1050.3
	<b>SE ±</b>		21.2	49.75	76.5	123.1	138	14.0	53.1	147.2	60.4	55.4
	<b>CD at 5%</b>		62.4	150.45	223.5	368.8	413	41.1	159.3	441.3	181.2	161.7
	<b>CV %</b>		3.2	11.47	5.6	11.7	10.55	1.7	3.9	16.7	6.8	8.5

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Table IV 13: Management of downy mildew by using organic practices (PMPT VII ) Kharif 2024

Fodder Yield (Kg/Ha)

T.No.	Treatments	Time and method of applications	Zone A					Zone B				
			MDR	JPR	HSR	GLR	JMR	MYS	CBE	DHL	ABD1	PTR
T1	Microbial Consortia (Combination of 3 microbes) Trichoderma/Bacillus/Pseudomonas	Seed Treatment @ 8.0 g/kg	1572.5	1811.33	6940.0	4533.0	4913	3289.3	3480.7	4500.0	3508.88	4739.0
T2	Microb Consortia (Combination of 3 microbes) Trichoderma/Bacillus/Pseudomonas	Seed Treatment @ 8.0 g/kg + Soil amendment @ 8.0 g/lt	2330.0	2550.17	6890.0	4475.0	5952	3382.3	4748.7	5800.0	4020.82	4730.8
T3	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Seed Treatment @ 8.0 g/kg	1833.8	2407.17	7215.0	4643.0	5579	3320.0	3563.0	6400.0	3872.21	4740.0
T4	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Soil Treatment @ 8.0 g/lt	2317.5	1930.50	7260.0	4659.0	5310	3390.5	3512.3	6500.0	4060.54	4516.0
T5	Microbial Cons. (Combination of 4 microbes) Mycorrhiza/PSB/Pseudomonas/ Trichoderma	Seed Treatment @ 8.0 g/kg + Soil amendment @ 8.0 g/lt	2350.0	3622.67	7487.5	4614.0	6024	3982.8	4641.0	7800.0	4671.4	4097.5
T6	Pseudomonas + Biochar	Seed Treatment @ 8.0 g/kg + Soil amendment 1 %	2255.0	3169.83	7437.5	4594.0	5524	3333.0	4535.3	6400.0	3588.87	4432.5
T7	Trichoderma + Biochar	Seed Treatment @ 8.0 g/kg+ Soil amendment 1 %	2407.5	2979.17	7300.0	4704.0	5960	3341.0	3957.3	6000.0	3410.84	4112.5
T8	Seed Treatment Metalaxyl 35 SD (6 g/kg)	Seed treatment	2595.0	4051.67	7915.0	4880.0	6468	3977.0	4201.3	6900.0	4835.48	5695.0
<b>T9</b>	<b>Control (moderate resistance)</b>	<b>Water treatment</b>	792.5	1382.33	6065.0	4308.0	4397	2977.0	3219.7	5000.0	3258.87	3925.0
	<b>SE ±</b>		16.6	263.77	195.6	220.9	374	9.7	114.8	475.1	115.3	110.6
	<b>CD at 5%</b>		62.1	797.59	571.4	662.8	1120	28.3	344.2	1425.1	345.7	293.8
	<b>CV %</b>		1.6	17.20	5.5	8.9	11.62	0.6	5.1	13.2	5.1	4.4

CHAPTER IV: PLANT PATHOLOGY

Table IV 14: Management of Blast disease by using Chemicals and bioagents (PMPT VIII) Kharif 2024.

Blast disease incidence at 30 DAS

T. No	Treatment	Time and method of applications	Zone A					Zone B					
			MDR	JPR	HSR	GLR	JMR	MYS	PTR	DHL	ABD1	VZN	Tirupathi
T <sub>1</sub>	Propiconazole + <i>Pseudomonas fluorescens</i>	Spray treatment with Propicanazole @ 1ml/lit on 20 DAS +1 spray of <i>Pseudomonas fluorescens</i> @ 10 g /lit on 35 DAS	3.9	*	11.4	2.2	18.4	9.3	20.4	14.4	16.4	29.9	7.3
T <sub>2</sub>	Microb Cons. (Combination of 4 microbes) <i>Mycorhiza</i> / <i>PSB</i> / <i>Pseudomonas</i> / <i>Trichoderma</i> + Tricyclazole 75% WP	Seed Treatment @ 8.0 g/kg + Spray treatment with Tricyclazole 75% WP on 35 DAS	3.9	*	12.2	11.8	20.6	10.7	27.8	22.2	21.0	26.3	8.8
T <sub>3</sub>	<i>Pseudomonas fluorescens</i> + Trifloxystrobin + Tebuconazole	Seed treatment with <i>Pseudomonas fluorescens</i> @ 10g/lit and spray Trifloxystrobin + Tebuconazole @ 0.04 on 35DAS	2.2	*	9.9	11.8	21.0	7.0	25.9	21.9	14.5	33.1	4.8
T <sub>4</sub>	Trifloxystrobin + Tebuconazole + <i>Bacillus subtilis</i>	Spray treatment with Trifloxystrobin + Tebuconazole @ 0.04 on 20DAS and <i>Bacillus subtilis</i> @ 10 g /lit on 35 DAS	1.7	*	9.8	0.0	22.3	6.7	25.0	15.4	16.2	29.2	11.4
T <sub>5</sub>	Trifloxystrobin + Tebuconazole	0.04% 1 spray on 35DAS	2.2	*	3.5	12.6	20.7	7.3	24.1	19.3	11.3	30.7	15.2
T <sub>6</sub>	Trifloxystrobin + Tebuconazole	0.04%2 sprays on 20 DAS and 35DAS	1.7	*	2.4	0.0	18.8	6.0	16.7	14.0	9.1	27.2	4.8
T <sub>7</sub>	<i>Pseudomonas</i> + Biochar	Seed Treatment @ 8.0 g/kg+ Soil amendment 1 % + Spray <i>Pseudomonas</i> @ 10 g /lit on 35 DAS	3.9	*	18.6	13.3	20.1	8.7	30.6	33.3	21.3	38.0	9.6
T <sub>8</sub>	<i>Trichoderma</i> + Biochar	Seed Treatment @ 8.0 g/kg + Soil amendment 1 % + Spray <i>Trichoderma</i> @ 10 g /lit on 35 DAS	3.9	*	17.1	11.8	19.7	9.2	30.6	34.8	23.5	30.4	11.0
T <sub>9</sub>	Control (moderate resistance)	Water treatment	5.0	*	49.6	13.3	29.1	16.3	39.8	46.3	32.5	35.8	18.5
	SE ±		0.51	*	1.39	1.36	1.31	0.57	1.98	3.34	0.40	2.62	1.09
	CD at 5%		1.51	*	4.07	4.09	3.93	1.70	5.93	10.02	1.21	7.86	3.29
	CV %		32.80	*	18.70	27.60	10.70	10.90	12.80	19.86	18.30	14.60	18.80

\* No data

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Table IV 14: Management of Blast disease by using Chemicals and bioagents (PMPT VIII) Kharif 2024.

Blast disease incidence at 45 DAS

T. No	Treatment	Time and method of applications	Zone A					Zone B					
			MDR	JPR	HSR	GLR	JMR	MYS	PTR	DHL	ABD1	VZN	Tirupathi
T <sub>1</sub>	Propiconazole + <i>Pseudomonas fluorescens</i>	Spray treatment with Propicanazole @ 1ml/lit on 20 DAS +1 spray of <i>Pseudomonas fluorescens</i> @ 10 g /lit on 35 DAS	19.5	*	16.6	22.2	22.3	18.3	40.7	24.4	21.0	25.9	12.8
T <sub>2</sub>	Microb Cons. (Combination of 4 microbes) <i>Mycorhiza</i> / <i>PSB</i> / <i>Pseudomonas</i> / <i>Trichoderma</i> + Tricyclazole 75% WP	Seed Treatment @ 8.0 g/kg + Spray treatment with Tricyclazole 75% WP on 35 DAS	18.9	*	18.1	23.7	27.0	13.3	51.9	31.1	23.2	22.0	16.6
T <sub>3</sub>	<i>Pseudomonas fluorescens</i> + Trifloxystrobin + Tebuconazole	Seed treatment with <i>Pseudomonas fluorescens</i> @ 10g/lit and spray Trifloxystrobin + Tebuconazole @ 0.04 on 35DAS	13.9	*	14.9	21.5	26.5	9.3	48.1	31.1	17.6	28.1	7.7
T <sub>4</sub>	Trifloxystrobin + Tebuconazole + <i>Bacillus subtilis</i>	Spray treatment with Trifloxystrobin + Tebuconazole @ 0.04 on 20DAS and <i>Bacillus subtilis</i> @ 10 g /lit on 35 DAS	13.3	*	14.8	22.9	26.2	9.0	48.1	33.7	19.5	24.7	17.0
T <sub>5</sub>	Trifloxystrobin + Tebuconazole	0.04% 1 spray on 35DAS	15.0	*	5.9	22.9	24.6	9.7	46.7	32.2	14.1	27.7	22.2
T <sub>6</sub>	Trifloxystrobin + Tebuconazole	0.04%2 sprays on 20 DAS and 35DAS	11.7	*	4.7	11.8	21.1	8.3	35.2	22.6	12.9	15.2	7.4
T <sub>7</sub>	<i>Pseudomonas</i> + Biochar	Seed Treatment @ 8.0 g/kg+ Soil amendment 1 % + Spray <i>Pseudomonas</i> @ 10 g /lit on 35 DAS	17.2	*	18.6	28.9	25.8	12.3	49.2	50.7	25.1	36.0	12.6
T <sub>8</sub>	<i>Trichoderma</i> + Biochar	Seed Treatment @ 8.0 g/kg + Soil amendment 1 % + Spray <i>Trichoderma</i> @ 10 g /lit on 35 DAS	16.7	*	17.1	31.8	29.1	12.3	52.1	48.1	26.8	27.4	17.0
T <sub>9</sub>	Control (moderate resistance)	Water treatment	36.1	*	49.6	37.0	36.1	36.7	55.8	64.4	41.2	43.8	23.6
	SE ±		1.00	*	1.65	3.19	1.42	1.08	2.91	1.91	0.32	2.39	1.42
	CD at 5%		2.93	*	4.83	9.54	4.25	3.24	8.72	5.73	0.97	7.18	4.26
	CV %		11.10	*	18.60	22.30	9.25	13.00	10.60	8.83	11.81	14.90	16.20

\* No data

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Table IV 14: Management of Blast disease by using Chemicals and bioagents (PMPT VIII) Kharif 2024.

Blast disease incidence at 60 DAS

T. No	Treatment	Time and method of applications	Zone A					Zone B					
			MDR	JPR	HSR	GLR	JMR	MYS	PTR	DHL	ABD1	VZN	Tirupathi
T <sub>1</sub>	Propiconazole + <i>Pseudomonas fluorescens</i>	Spray treatment with Propicanazole @ 1ml/lit on 20 DAS +1 spray of <i>Pseudomonas fluorescens</i> @ 10 g /lit on 35 DAS	22.8	4.0	21.5	49.6	30.0	29.7	52.5	32.6	23.3	37.2	23.6
T <sub>2</sub>	Microb Cons. (Combination of 4 microbes) <i>Mycorhiza</i> / <i>PSB</i> / <i>Pseudomonas</i> / <i>Trichoderma</i> + Tricyclazole 75% WP	Seed Treatment @ 8.0 g/kg + Spray treatment with Tricyclazole 75% WP on 35 DAS	20.6	3.0	21.8	45.1	33.8	24.0	62.0	37.8	26.3	30.4	24.8
T <sub>3</sub>	<i>Pseudomonas fluorescens</i> + Trifloxystrobin + Tebuconazole	Seed treatment with <i>Pseudomonas fluorescens</i> @ 10g/lit and spray Trifloxystrobin + Tebuconazole @ 0.04 on 35DAS	13.9	3.3	25.8	40.0	34.3	16.0	58.2	30.0	25.1	45.9	17.0
T <sub>4</sub>	Trifloxystrobin + Tebuconazole + <i>Bacillus subtilis</i>	Spray treatment with Trifloxystrobin + Tebuconazole @ 0.04 on 20DAS and <i>Bacillus subtilis</i> @ 10 g /lit on 35 DAS	13.3	3.0	20.3	49.6	33.1	14.3	52.2	28.5	22.5	33.2	24.4
T <sub>5</sub>	Trifloxystrobin + Tebuconazole	0.04% 1 spray on 35DAS	15.0	3.3	15.3	42.2	30.5	14.3	54.3	29.3	20.8	43.8	34.0
T <sub>6</sub>	Trifloxystrobin + Tebuconazole	0.04%2 sprays on 20 DAS and 35DAS	12.2	2.7	13.6	28.1	28.1	10.3	42.2	24.4	18.9	27.8	16.6
T <sub>7</sub>	<i>Pseudomonas</i> + Biochar	Seed Treatment @ 8.0 g/kg+ Soil amendment 1 % + Spray <i>Pseudomonas</i> @ 10 g /lit on 35 DAS	19.5	4.0	20.8	62.2	36.1	13.0	60.2	52.2	29.3	46.4	24.4
T <sub>8</sub>	<i>Trichoderma</i> + Biochar	Seed Treatment @ 8.0 g/kg + Soil amendment 1 % + Spray <i>Trichoderma</i> @ 10 g /lit on 35 DAS	18.3	3.7	21.4	62.9	37.2	15.0	63.9	48.9	31.1	41.9	25.1
T <sub>9</sub>	Control (moderate resistance)	Water treatment	63.9	5.7	63.1	68.8	43.7	51.3	66.4	69.3	48.9	66.2	33.6
	SE ±		1.04	*	1.98	3.38	1.98	1.84	1.57	2.50	0.54	2.96	1.69
	CD at 5%		3.03	*	5.79	10.14	5.94	5.53	4.71	7.49	1.61	6.28	5.07
	CV %		9.41	*	16.01	11.80	10.06	15.30	4.80	11.29	15.11	8.80	11.80

CHAPTER IV: PLANT PATHOLOGY

Table IV 14: Management of Blast disease by using Chemicals and bioagents (PMPT VIII) Kharif 2024.

Seedling Emergence

T. No	Treatment	Time and method of applications	Zone A					Zone B					
			MDR	JPR	HSR	GLR	JMR	MYS	PTR	DHL	ABD1	VZN	Tirupathi
T <sub>1</sub>	Propiconazole + <i>Pseudomonas fluorescens</i>	Spray treatment with Propicanazole @ 1ml/lit on 20 DAS +1 spray of <i>Pseudomonas fluorescens</i> @ 10 g /lit on 35 DAS	75	72	70	50	98	90	93	74	82	*	90
T <sub>2</sub>	Microb Cons. (Combination of 4 microbes) Mycorrhiza/PSB/ <i>Pseudomonas</i> / <i>Trichoderma</i> + Tricyclazole 75% WP	Seed Treatment @ 8.0 g/kg + Spray treatment with Tricyclazole 75% WP on 35 DAS	81	72	75	51	98	90	97	83	84	*	91
T <sub>3</sub>	<i>Pseudomonas fluorescens</i> + Trifloxystrobin + Tebuconazole	Seed treatment with <i>Pseudomonas fluorescens</i> @ 10g/lit and spray Trifloxystrobin + Tebuconazole @ 0.04 on 35DAS	79	72	73	51	98	91	97	81	87	*	92
T <sub>4</sub>	Trifloxystrobin + Tebuconazole + <i>Bacillus subtilis</i>	Spray treatment with Trifloxystrobin + Tebuconazole @ 0.04 on 20DAS and <i>Bacillus subtilis</i> @ 10 g /lit on 35 DAS	76	72	70	49	95	92	97	74	90	*	91
T <sub>5</sub>	Trifloxystrobin + Tebuconazole	0.04% 1 spray on 35DAS	75	74	72	49	98	92	98	79	86	*	90
T <sub>6</sub>	Trifloxystrobin + Tebuconazole	0.04%2 sprays on 20 DAS and 35DAS	76	74	69	50	97	90	98	75	90	*	91
T <sub>7</sub>	<i>Pseudomonas</i> + Biochar	Seed Treatment @ 8.0 g/kg+ Soil amendment 1 % + Spray <i>Pseudomonas</i> @ 10 g /lit on 35 DAS	80	76	74	49	98	92	88	81	76	*	91
T <sub>8</sub>	<i>Trichoderma</i> + Biochar	Seed Treatment @ 8.0 g/kg + Soil amendment 1 % + Spray <i>Trichoderma</i> @ 10 g /lit on 35 DAS	80	78	75	49	98	91	93	82	85	*	91
T <sub>9</sub>	Control (moderate resistance)	Water treatment	75	65	69	49	98	83	93	72	69	*	87
	SE ±		0.48	0.89	1.30	2.08	0.75	0.97	1.83	1.71	2.30	*	1.51
	CD at 5%		1.01	2.69	3.70	6.74	NS	2.06	5.49	N.S.	6.81	*	4.52
	CV %		0.92	2.12	3.50	7.31	1.32	1.31	3.30	-	4.71	*	2.90

\* No data

CHAPTER IV: PLANT PATHOLOGY

Table IV 14: Management of Blast disease by using Chemicals and bioagents (PMPT VIII) *Kharif 2024.*

Grain Yeild (Kg/Ha)

T. No	Treatment	Time and method of applications	Zone A					Zone B					
			MDR	JPR	HSR	GLR	JMR	MYS	PTR	DHL	ABD1	VZN	Tirupathi
T <sub>1</sub>	Propiconazole + <i>Pseudomonas fluorescens</i>	Spray treatment with Propicanazole @ 1ml/lit on 20 DAS +1 spray of <i>Pseudomonas fluorescens</i> @ 10 g /lit on 35 DAS	983.8	836.6	2857.5	1770.8	2276.4	2361.7	2050.0	1619.0	1423.6	2045.8	1859.7
T <sub>2</sub>	Microb Cons. (Combination of 4 microbes) <i>Mycorhiza</i> / <i>PSB</i> / <i>Pseudomonas</i> / <i>Trichoderma</i> + Tricyclazole 75% WP	Seed Treatment @ 8.0 g/kg + Spray treatment with Tricyclazole 75% WP on 35 DAS	997.5	855.6	2702.5	1775.0	2204.9	2386.7	1593.3	1504.0	1433.8	1764.4	2289.7
T <sub>3</sub>	<i>Pseudomonas fluorescens</i> + Trifloxystrobin + Tebuconazole	Seed treatment with <i>Pseudomonas fluorescens</i> @ 10g/lit and spray Trifloxystrobin + Tebuconazole @ 0.04 on 35DAS	1187.5	717.4	2800.0	1762.5	2066.7	2325.0	1566.7	1631.0	1882.4	1490.3	2598.0
T <sub>4</sub>	Trifloxystrobin + Tebuconazole + <i>Bacillus subtilis</i>	Spray treatment with Trifloxystrobin + Tebuconazole @ 0.04 on 20DAS and <i>Bacillus subtilis</i> @ 10 g /lit on 35 DAS	1275.0	896.1	2895.0	1675.0	2263.2	2323.3	2033.3	1724.0	1579.9	1979.2	1788.0
T <sub>5</sub>	Trifloxystrobin + Tebuconazole	0.04% 1 spray on 35DAS	1125.0	841.3	2915.0	1687.5	2356.9	2245.0	1637.0	1649.0	1709.2	1705.1	1955.0
T <sub>6</sub>	Trifloxystrobin + Tebuconazole	0.04%2 sprays on 20 DAS and 35DAS	1325.0	1065.4	3105.0	1762.5	2684.0	2638.0	2231.3	1833.0	1919.5	2194.0	2638.0
T <sub>7</sub>	<i>Pseudomonas</i> + Biochar	Seed Treatment @ 8.0 g/kg+ Soil amendment 1 % + Spray <i>Pseudomonas</i> @ 10 g /lit on 35 DAS	1028.8	634.0	2692.5	1616.7	2067.4	2331.7	1513.3	1472.0	1411.7	1527.3	2307.0
T <sub>8</sub>	<i>Trichoderma</i> + Biochar	Seed Treatment @ 8.0 g/kg + Soil amendment 1 % + Spray <i>Trichoderma</i> @ 10 g /lit on 35 DAS	1080.0	636.4	2662.5	1537.5	2113.9	2209.7	1470.0	1477.0	1423.2	1594.0	1861.0
T <sub>9</sub>	Control (moderate resistance)	Water treatment	610.0	560.1	2510.0	1508.3	1687.5	1732.7	1390.0	1103.0	1193.1	1468.1	1706.0
	SE ±		19.25	31.58	73.50	68.80	137.34	17.47	57.41	1.05	85.60	132.40	5.07
	CD at 5%		56.21	95.49	214.80	206.80	411.77	52.39	172.21	3.16	256.80	412.00	15.20
	CV %		3.60	6.99	5.30	7.10	10.86	1.34	5.80	11.76	9.60	13.60	0.41



CHAPTER IV: PLANT PATHOLOGY

Table IV 14: Management of Blast disease by using Chemicals and bioagents (PMPT VIII) *Kharif 2024.*

Fodder Yeild (Kg/Ha)

T. No	Treatment	Time and method of applications	Zone A					Zone B					
			MDR	JPR	HSR	GLR	JMR	MYS	PTR	DHL	ABD1	VZN	Tirupathi
T <sub>1</sub>	Propiconazole + <i>Pseudomonas fluorescens</i>	Spray treatment with Propicanazole @ 1ml/lit on 20 DAS +1 spray of <i>Pseudomonas fluorescens</i> @ 10 g /lit on 35 DAS	1512.5	1896.7	6815.0	5042.0	5930.6	2976.7	5483.3	6250.0	4029.3	2045.8	2676.0
T <sub>2</sub>	Microb Cons. (Combination of 4 microbes) <i>Mycorhiza</i> / <i>PSB</i> / <i>Pseudomonas</i> / <i>Trichoderma</i> + Tricyclazole 75% WP	Seed Treatment @ 8.0 g/kg + Spray treatment with Tricyclazole 75% WP on 35 DAS	1517.5	1827.1	6875.0	5004.0	4375.0	2989.3	5005.6	5967.0	4018.6	1764.4	3543.0
T <sub>3</sub>	<i>Pseudomonas fluorescens</i> + Trifloxystrobin + Tebuconazole	Seed treatment with <i>Pseudomonas fluorescens</i> @ 10g/lit and spray Trifloxystrobin + Tebuconazole @ 0.04 on 35DAS	1822.5	1531.5	6925.0	5179.0	4833.3	3003.7	5233.3	5767.0	4984.8	1490.3	3870.0
T <sub>4</sub>	Trifloxystrobin + Tebuconazole + <i>Bacillus subtilis</i>	Spray treatment with Trifloxystrobin + Tebuconazole @ 0.04 on 20DAS and <i>Bacillus subtilis</i> @ 10 g /lit on 35 DAS	1916.3	2406.0	7000.0	4771.0	5472.2	2966.0	5238.9	5700.0	4276.7	1979.2	3382.0
T <sub>5</sub>	Trifloxystrobin + Tebuconazole	0.04% 1 spray on 35DAS	1747.5	2555.9	7420.0	4958.0	5555.6	2987.7	4933.3	6267.0	4654.0	1705.1	3157.0
T <sub>6</sub>	Trifloxystrobin + Tebuconazole	0.04%2 sprays on 20 DAS and 35DAS	1956.3	3142.8	7530.0	5354.0	6340.3	2896.7	6362.2	5767.0	5063.9	2194.0	3762.0
T <sub>7</sub>	<i>Pseudomonas</i> + Biochar	Seed Treatment @ 8.0 g/kg+ Soil amendment 1 % + Spray <i>Pseudomonas</i> @ 10 g /lit on 35 DAS	1565.0	1652.0	7000.0	4313.0	5111.1	3032.3	5638.9	6500.0	3813.0	1527.3	3181.0
T <sub>8</sub>	<i>Trichoderma</i> + Biochar	Seed Treatment @ 8.0 g/kg + Soil amendment 1 % + Spray <i>Trichoderma</i> @ 10 g /lit on 35 DAS	1637.5	1702.8	7080.0	4263.0	5986.1	2963.3	4523.3	5833.0	3775.3	1594.0	2838.0
T <sub>9</sub>	Control (moderate resistance)	Water treatment	835.0	1565.9	6427.5	4421.0	4375.0	2265.0	4028.3	5633.0	2948.8	1468.1	2653.0
	SE ±		17.50	86.24	173.20	265.40	402.77	28.45	373.53	3.05	228.20	151.80	86.40
	CD at 5%		51.00	260.78	505.80	795.60	1207.55	85.30	1119.54	N.S.	684.10	455.80	259.10
	CV %		2.29	7.35	4.90	9.60	13.09	1.71	12.50	-	9.50	8.70	4.60

CHAPTER IV: PLANT PATHOLOGY

TABLE -15 (PMPT IX): Study the Epidemiology and Yield loss assessment of blast disease under natural condition: All AICRP on Pearl millet centres in their respective zones  
Location : Mysore

Date/ Period	Max.	Min.	RH (Morn.)	RH (Even.)	Rain	Blast severity					
	Temp (°C)	Temp (°C)	(%)	(%)	fall (mm)	ICMB95444			Susceptible cultivar		
						T1	T2	T3	T1	T2	T3
Aug, 02 – 08	28.5	19.9	78.4	78.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0
Aug, 09– 15	30.3	21	86.6	86.9	8.8	0.0	0.0	0.0	0.0	0.0	0.0
Aug, 16 – 22	30.6	21	84.7	90	2.9	0.0	1.0	1.0	0.0	0.0	1.0
Aug, 23 – 29	29.9	20.6	84.4	75	0.7	0.0	1.0	1.0	0.0	0.0	1.0
Aug, 30 – Sept 5	29.5	20.5	77.3	70.6	1.3	2.0	2.0	3.0	0.0	1.0	2.0
Sept 6 - 12	30.1	20.7	76.1	75.4	2.9	2.0	2.0	3.0	1.0	1.0	3.0
Sept 13 - 19	32	19	71	60	0	2.0	2.0	4.0	2.0	2.0	3.0
Sept 20- 26	31	19.6	76.3	65.1	2.6	3.0	3.0	6.0	2.0	3.0	6.0
Sept 27-October 3	32.2	20.6	80.3	67	4	3.0	3.0	7.0	2.0	3.0	6.0
Oct 4 - 10	30.8	20.4	84.1	79.9	3.8	3.0	4.0	8.0	2.0	3.0	7.0
October 11-17	30.1	20	86.4	80.9	5.4	3.0	5.0	8.0	3.0	4.0	7.0
Oct, 18 – 24	30.2	20.1	68.6	66.1	7.7	3.0	5.0	8.0	3.0	4.0	7.0
Oct 25 - 31	30.7	19.8	80.1	66.9	0.8	4.0	5.0	8.0	3.0	4.0	7.0

Treatments :

1. Fully protected with Nativo (Tebuconazole (50 %) and Trifloxystrobin (25 %) WG sprays @ 0.04 % starting from disease initiation and repeated at 10 days interval.
2. One spray of Nativo (Tebuconazole (50 %) and Trifloxystrobin (25 %) WG at 30 days.
3. Control – Full disease development -No spray.

Method : Two cultivars 1. ICMB -95444 2. Blast susceptible variety : Dhanshakti

Location : Patancheru -ICRISAT

Standard Week	Max. Temp 0C	Min. Temp 0C	RH-I	RH -II	Rainy fall (mm)	Blast incidence (%)					
						ICMB95444			Susceptible cultivar		
						T1	T2	T3	T1	T2	T3
29	27.8	22.3	89.0	76.4	13	0.0	0.0	0.0	0.0	0.0	0.0
30	27.6	23.1	88.4	75.0	5	0.0	0.0	0.0	0.0	0.0	0.0
31	31.0	23.6	85.0	63.0	1	4.6	10.0	12.5	2.0	4.5	6.8
32	30.2	22.4	92.8	67.4	17	16.4	20.9	21.9	10.4	17.5	19.9
33	33.8	23.0	93.6	57.4	16	24.7	37.2	44.9	23.1	27.4	33.6
34	30.2	22.7	90.0	68.0	4	33.3	56.1	66.5	34.8	38.7	51.4
35	27.9	21.8	93.4	79.2	34	36.4	58.2	67.6	35.6	41.2	52.4
36	29.1	22.4	93.2	70.2	26	40.1	63.6	72.3	36.0	44.1	56.0
37	30.3	21.6	88.0	57.6	0	45.0	66.5	77.2	37.2	48.6	58.2
38	31.4	21.6	92.6	59.0	3	53.9	77.0	87.9	43.7	57.8	68.4

Treatments :

1. Fully protected with Nativo (Tebuconazole (50 %) and Trifloxystrobin (25 %) WG sprays @ 0.04 % starting from disease initiation and repeated at 10 days interval.
2. One spray of Nativo (Tebuconazole (50 %) and Trifloxystrobin (25 %) WG at 30 days.
3. Control – Full disease development -No spray.

Method : Two cultivars 1. ICMB -95444 2. Blast susceptible variety : Dhanshakti

CHAPTER IV: PLANT PATHOLOGY

Table 15 (PMPT IX): Study the Epidemiology and Yield loss assessment of blast disease under natural condition: All AICRP on Pearl millet centres in their respective zones

Location : Tirupathi

Standard week	Max.	Min.	RH	RH	Rain	Rainy	Dew fall	Blast incidence (%)						
	Temp (°C)	Temp (°C)	(%)	(%)	fall (mm)	(No.)		ICMB95444			Susceptible cultivar			
								T1	T2	T3	T1	T2	T3	
34	24.29	36.17	47.71	73.71	0.6	1								
35	23.31	33.93	58.43	65.71	50	1								
36	22.17	32.71	83.67	58	0	0								
37	23	36.83	66.14	40.71	16	2		1.24	2.23	2.66	-	-	-	
38	22.93	35.3	71.29	48.29	39	1		3.01	5.26	8.84	-	-	-	
39	22.4	34.5	84.57	54.71	36	2		7.09	9.17	18.8	-	-	-	
40	22	34.84	73.57	55.14	0	0		8.99	11.4	23.74	0.9	2.56	7.33	
41	21.69	32.46	82	61	14	1		10.23	15.67	26.94	2.07	3.62	9.78	
42	21.3	31.06	87.43	73.43	20.86	5		11.24	18.99	32.56	3.58	5.78	12.24	

Date of TRANSPLANTING: 23.08.2024

Entry: Dhanshakti

Row length: 4m (4 Rows)

Replication: 03

Location : Aurangabad ( ABD1)

Std. M. W.	Maxi.	Mini.	R.H.	R.H.	Rain fall (mm.)	Rainy Days	Dew fall	Per cent Disease Index					
	Tem °c	Tem °c	I	II				(PDI)					
			(%)	(%)				ICMB 95444			Susceptible cultivar		
								T1	T2	T3	T1	T2	T3
31	29.14	23.41	97	86.43	29	3	-	0	0	0	0	0	0
32	29.27	23.07	96.14	78.86	2	0	-	0	0	0	0	0	0
33	31.5	23.61	87.57	70.14	73	3	-	2.12	4.28	8.15	1.56	3.29	5.56
34	30.3	22.77	94.29	83.14	133	5	-	4.05	8.54	14.12	3.74	7.57	11.26
35	29.63	22.76	82.71	70.71	71	2	-	6.93	11	21.29	5.28	9.15	14.58
36	28.3	22.5	95.57	80.71	21	2	-	9.62	16.52	30.41	8.54	14.53	19.62
37	29.59	21.39	88.43	72.43	5	1	-	11.1	22.18	41.6	10.05	22.56	26.91
38	31.27	22.36	85	58.57	0	0	-	14.46	29.85	54.67	13.69	26.04	30.08
39	29.88	22.73	90.84	75.13	62.5	4	-	17.57	32.58	66.52	15.81	30.28	44.51
40	35.14	22.84	89.71	67.57	0	0	-	18.29	40.06	78.47	18.24	34.58	50.17
41	34.19	23.31	82.33	78.67	26	2	-	20.06	53.24	83.89	20.58	49.8	58.45
42	34.32	19.85	86.47	72.18	59	2		22.56	71.64	85.23	22.15	51.28	63.7
43	34.67	19	88	60	46	1		26.54	75.28	87.12	23.81	54.12	69.15

PMPT IX Study the Epidemiology and Yield loss assessment of blast disease on CV. ICMB 95444 and Mahyco 204 under field condition during Kharif 2024.

CHAPTER IV: PLANT PATHOLOGY

Table 15 (PMPT IX): Study the Epidemiology and Yield loss assessment of blast disease under natural condition: All AICRP on Pearl millet centres in their respective zones  
Location : Dhule

Cvs/ Treats	Blast severity (PDI) with Meteorology Weeks (MW)								
	32	33	34	35	36	37	38	39	40
<b>ICMB-9544</b>									
T1	2.04	7.02	7.73	8.88	8.88	7.73	9.77	14.66	22.39
T2	2.4	6.75	7.82	11.37	14.57	35.01	47.99	60.52	67.19
T3	2.93	18.84	31.86	43.72	62.21	75.81	85.94	94.92	97.5
<b>Susceptible cultivar</b>									
T1	1.06	1.95	4.62	6.75	7.91	8.62	9.24	11.28	16.44
T2	2.13	4.08	5.51	12.35	23.73	34.04	42.84	50.03	54.48
T3	2.66	4.62	15.82	23.37	43.55	46.66	55.81	67.81	72.08

Correlation of weather parameters with blast disease.

Cultivars /	Weather parameters					
	Tem	Temp.	Rainfall	Morn.	After	Sun shine
	Max.	Min.		RH	RH	Hrs.
<b>ICMB-9544</b>						
T1	0.617	-0.129	-0.128	0.17	-0.368	0.722
T2	0.671	-0.39	-0.262	-0.139	-0.527	0.604
T3	0.536	-0.599	-0.211	-0.042	-0.546	0.551
<b>Dhanshakti</b>						
T1	0.51	-0.45	-0.202	0.053	-0.464	0.632
T2	0.572	-0.496	-0.311	-0.124	-0.542	0.558
T3	0.494	-0.519	-0.231	-0.022	-0.494	0.509

CHAPTER IV: PLANT PATHOLOGY

Table 15 (PMPT IX): Study the Epidemiology and Yield loss assessment of blast disease under natural condition: All AICRP on Pearl millet centres in their respective zones  
Location : Jamnagar

St	Min. Temp. (°C)	Min. Temp. (°C)	RH	RH	Rainfall (mm)	Rainy (No.)	Blast incidence (%)					
			(Morn.)	(Even.)			ICMB95444			Susceptible		
							T1	T2	T3	T1	T2	T3
30	31.1	27.1	92	80	122	2	0	0	0	0	0	0
31	30.9	26.5	93	83	49	4	0	0	0	0	0	0
32-A	30.8	26.4	90	81	18	3	2.22	5.56	9.63	2.59	5.56	5.93
33	31.6	26.1	91	79	14.5	3	3.7	9.63	12.59	3.7	10.37	11.85
34	33.3	26.7	87	69	27.5	1	5.93	11.85	20	4.44	12.59	15.93
35	29.6	25.2	96	79	604	4	7.41	14.81	25.93	5.56	15.56	19.63
36-S	32	26	94	70	1.5	0	9.26	23.7	35.93	6.67	18.52	25.93
37	32.7	25.1	86	60	0	0	10.37	29.63	41.11	8.52	26.67	32.22
38	32.9	25.1	88	62	0	0	12.59	45.93	67.04	10.37	35.19	50
39	33.2	25.6	89	66	28	2	13.7	54.44	75.56	12.96	39.26	58.15
40-O	33.4	25.5	87	62	0	0	16.3	68.52	87.78	15.19	44.81	67.41

Location : Gwalior

Metrilological parameters and blast PDI												
Standard week	Max temp (°C)	Min temp (°C)	RH (Morn.) (%)	RH (Even.) (%)	Rainfall (mm)	Rainy Days (No.)	Actual(cumulative) blast PDI					
							ICMB95444(V1)			Susceptible cultivar		
							V1			V2		
							T1	T2	T3	T1	T2	T3
31 (30 July)	35.3	26.3	83.7	61.6	47.4	2	0	0	0	0	0	0
32 (6th)	32.8	25.8	88.9	69.9	28.4	2	0	1.95	1.6	0	0	0
33 (13th)	34.7	26.4	84.9	56	80.2	5	2.84	8	8.53	0.71	2.04	2.22
34 (20th)	35.1	25.9	86.1	56.6	115.4	4	5.33	11.37	21.51	1.24	4	10.31
35 (27th)	35.7	25.8	84.4	52.1	7	1	6.66	13.86	33.78	1.51	4.35	15.29
36 (3rd)	35.6	25.8	83.1	49.9	3.2	1	8.17	18.04	42.22	1.86	5.6	19.91
37 (10th)	33	24.7	86.1	62.3	252.8	4	10.84	31.64	62.05	3.2	13.77	32.44
38 (17 th)	32.6	23.2	84.29	60.43	141	2	12.26	38.22	79.12	4	18.31	40.89
39 (24th)	33.2	25.2	86	64.43	20.2	3	13.86	47.29	92.63	4.04	26.49	54.05
40 (1st Oct)	36	24.5	70.43	45.57	0	0	14.66	54.94	94.94	6.57	33.78	56.89
41 (8th Oct)	34.2	22.7	76.29	55	0	0	14.93	54.94	95.12	6.57	34.31	57.6

CHAPTER IV: PLANT PATHOLOGY

Table 15 (PMPT IX): Study the Epidemiology and Yield loss assessment of blast disease under natural condition: All AICRP on Pearl millet centres in their respective zones  
Location : Hisar

Standard Week	Max. Temp 0C	Min. Temp 0C	RH Morn. (%)	RH Even. (%)	Rain fall (mm)	Rainy days (nos.)	Dew fall	Blast incidence (%)					
								ICMB95444			Susceptible cultivar		
								T1	T2	T3	T1	T2	T3
Week 1	*	*	*	*	*	*	*	4.81	7.04	8.70	5.74	7.96	8.33
Week 2	*	*	*	*	*	*	*	6.48	12.22	11.11	10.00	16.85	17.59
Week 3	*	*	*	*	*	*	*	6.30	20.00	21.48	11.30	21.67	22.41
Week 4	*	*	*	*	*	*	*	6.30	22.22	23.70	12.78	24.81	26.85
Week 5	*	*	*	*	*	*	*	4.81	24.44	26.67	12.59	28.15	30.37
Week 6	*	*	*	*	*	*	*	6.67	26.48	33.15	13.52	29.07	33.89
Week 7	*	*	*	*	*	*	*	7.78	29.81	38.52	14.07	34.44	44.07
Week 8	*	*	*	*	*	*	*	8.70	30.56	55.56	13.15	37.59	69.63
Week 9	*	*	*	*	*	*	*	8.89	37.78	71.48	13.33	38.33	76.48
Week 10	*	*	*	*	*	*	*	9.26	39.26	74.81	12.78	39.63	80.00

CHAPTER IV: PLANT PATHOLOGY

**Table 16 (PMPT X) :- Monitoring of Pearl millet diseases on farmers' fields during Kharif 2024  
RAJASTHAN-JAIPUR**

S. No.	District	Village	Cultivar	Area (ha)	Crop	DM Inci.	Smut (%)	Ergot (%)	Blast	Rust
1	Jaipur	Bhikhawas	Unknown	1.00	HD	0.0	5.0	2.0	5.0	0.0
2		Shyosinghpura	Unknown	0.50	HD	0.0	0.0	5.0	2.0	0.0
3		Chainpura	Unknown	0.25	HD	5.0	0.0	0.0	2.0	0.0
4		Kuli	Unknown	1.00	HD	0.0	2.0	5.0	15.0	0.0
5		Manoharpur	Unknown	1.00	HD	0.0	0.0	1.0	5.0	0.0
6		Nimora Bassi	9001	1.50	HD	0.0	0.0	0.0	0.0	0.0
7		Madanpura	Unknown	2.00	HD	0.0	0.0	0.0	0.0	0.0
8	Sikar	Danta Ramgarh	Sagar Laxmi	1.25	HD	10.0	1.0	2.0	6.0	0.0
9		Maganpur	Unknown	0.50	HD	0.0	0.0	0.0	5.0	0.0
10		Dheengpur	ProAgro	1.00	HD	0.0	2.0	0.0	0.0	0.0
11		Khatoo	Unknown	1.50	HD	10.0	2.0	1.0	5.0	0.0
12		Lampuwa	Unknown	2.00	HD	0.0	2.0	2.0	0.0	0.0
13		Govindgarh	Unknown	2.00	HD	0.0	0.0	5.0	5.0	0.0
14	Dausa	Gothra	Unknown	0.50	HD	0.0	0.0	0.0	0.0	0.0
15		Kalakho	Unknown	0.25	HD	0.0	0.0	0.0	0.0	0.0
16		Reta	Unknown	0.50	HD	0.0	0.0	0.0	20.0	0.0
17		Ramgarh	9001	2.00	HD	0.0	30.0	5.0	0.0	0.0
18	Karauli	Gidani	Unknown	1.00	HD	0.0	2.0	2.0	15.0	0.0
19		Gudhachandraji	Unknown	0.50	HD	0.0	0.0	2.0	15.0	0.0
20		Sop	Unknown	1.00	HD	0.0	0.0	2.0	15.0	0.0
21	Sawai Madhopur	Sawai Madhopur	Unknown	2.00	HD	0.0	0.0	0.0	10.0	0.0
22		Kherla	Unknown	2.00	HD	0.0	5.0	0.0	0.0	0.0
23		Raipur	Unknown	0.50	HD	0.0	0.0	0.0	0.0	0.0
24		Meri	Unknown	1.00	HD	0.0	15.0	0.0	0.0	0.0
25	Bharatpur	Moraka	Pioneer	1.00	HD	0.0	0.0	0.0	0.0	0.0
26		Ranota	Unknown	1.00	HD	0.0	0.0	0.0	5.0	0.0
27		Semla Khurd	Unknown	1.00	HD	0.0	0.0	0.0	5.0	0.0
28	Alwar	Bagar Meo	Unknown	2.00	HD	0.0	5.0	0.0	0.0	0.0
29		Suheta	Unknown	1.00	HD	0.0	0.0	0.0	0.0	0.0
30		Bansur	Unknown	0.50	HD	0.0	0.0	0.0	0.0	0.0
31		Tatarpur	Unknown	0.50	HD	0.0	0.0	0.0	0.0	0.0
32		Dhailawas	Unknown	1.00	HD	0.0	0.0	0.0	0.0	0.0
33		Jalalpur	Unknown	1.00	HD	0.0	0.0	0.0	0.0	0.0
34		Alanpur	Unknown	1.00	HD	0.0	0.0	0.0	10.0	0.0
35		Jhajharpur	Unknown	1.00	HD	0.0	0.0	0.0	5.0	0.0
36		Karoda	Unknown	1.00	HD	0.0	8.0	0.0	0.0	0.0
37		Alwar	Unknown	1.00	HD	0.0	0.0	0.0	0.0	0.0
38		Goonti	Unknown	1.00	HD	0.0	0.0	0.0	0.0	0.0
39	Kotputli (Jaipur)	Mordha	Unknown	1.00	HD	0.0	0.0	0.0	0.0	0.0
40		Kanwarpura	Unknown	2.50	HD	0.0	0.0	0.0	0.0	0.0
41		Bagawas Ahiran	Unknown	1.00	HD	15.0	0.0	0.0	0.0	0.0

CHAPTER IV: PLANT PATHOLOGY

Table 16 (PMPT X): Monitoring of Pearl millet diseases on farmers' fields during Kharif 2024

RAJASTHAN-MANDOR

S. No.	Date	Location	Taluka/	District	Variety	Area	Crop	Rust %	Smut	Blast (0-9)	Ergot %	DM
1	24.09.24	Bhandu kallan	Luni	Jodhpur	Unknown hybrid	4	Flowering	0	3	2	0	2
2	24.09.25	Bhandu kallan	Luni	Jodhpur	Unknown hybrid	2.2	Flowering	0	2	2	0	4
3	24.09.26	Dawa	Luni	Jodhpur	Unknown hybrid	3	Flowering	0	1	2	0	3
4	24.09.27	Doli Kalan	Pachpadra	Barmer	Unknown hybrid	5	Flowering	0	1	3	0	5
5	24.09.28	Kalyanpura	Baltora	Barmer	Unknown hybrid	4	Flowering	0	2	3	0	6
6	24.09.29	Samdari	Barmer	Barmer	Unknown hybrid	2	Flowering	0	5	2	0	6
7	24.09.30	Dundada	Luni	Jodhpur	Unknown hybrid	3	Flowering	0	0	2	0	3
8	24.09.31	Pheench	Luni	Jodhpur	Unknown hybrid	2	Flowering	0	0	1	0	4
9	24.09.32	Khejarla	Luni	Jodhpur	Unknown hybrid	1	Flowering	0	6	3	0	4
10	24.09.33	Dangiyawas	Jodhpur	Jodhpur	Unknown hybrid	1	Flowering	0	2	4	0	2
11	24.09.34	Banar	Jodhpur	Jodhpur	Unknown Hybrid	4	Flowering	0	2	4	0	6
12	25.09.24	Bawadi	Bawadi	Jodhpur	Unknown hybrid	3.5	Flowering	0	2	4	0	5
13	25.09.25	Lavera	Bawadi	Jodhpur	Unknown hybrid	2	Flowering	0	1	2	0	6
14	25.09.26	Kherapa	Bhopalgarh	Jodhpur	Unknown hybrid	4	Flowering	0	2	3	0	6
15	25.09.27	Soyla	Jodhpur	Jodhpur	Unknown hybrid	2	Flowering	0	2	3	0	8
16	25.09.28	Lalawas	Kheensar	Nagour	Unknown hybrid	1	Maturity	0	2	3	0	6
17	25.09.29	Kheensar	Kheensar	Nagour	Unknown hybrid	1	Maturity	0	2	3	0	6
18	25.09.30	Tankala	Kheensar	Nagaur	Unknown hybrid	1	Maturity	0	2	3	0	5
19	25.09.31	Nagaur	Nagaur	Nagaur	Unknown hybrid	1.2	Maturity	0	1	2	0	3
20	25.09.32	Athiyasan	Nagaur	Nagaur	Unknown hybrid	1.8	Maturity	0	0	3	0	4



CHAPTER IV: PLANT PATHOLOGY

Table 16 (PMPT X): Monitoring of Pearl millet diseases on farmers' fields during Kharif 2024

GUJARAT-JAMANAGAR

Sr. No.	Village/Location	Cultivars/Variety	Area (Acre)	Crop stage	Disease incidence/intensity %				
					DM (%)	Smut (%)	Rust (%)	Ergot	Blast
1	Chotila	Sagar 222	1	EH	0.0	0.0	0.0	0.0	1.8
2	Moldi nani	Sagar 222	1	EH	1.5	3.5	0.0	0.0	0.2
3	Janivadla	Sagar 222	1	EH	0.0	0.0	0.0	0.0	0.3
4	Chanpa	Sagar 222	1	EH	0.0	2.5	0.0	0.0	1.1
5	Kumbhara	Sagar 222	0.5	EH	5.0	0.0	0.0	0.0	1.0
6	Maghrikhada	Avani 44	1	EH	0.0	0.0	0.0	0.0	1.8
7	Nanakandhasar	Avani 44	1	EH	0.0	3.0	0.0	0.0	2.7
8	Vanki	Sagar 222	0.5	EH	0.0	0.0	0.0	0.0	2.0
9	Shapur	Sagar 222	0.5	EH	0.0	0.0	0.0	0.0	0.1
10	Hadala	Sagar 222	1	EH	0.0	0.0	0.0	0.0	0.1
11	Dhedhuki	Sagar 222	1	EH	5.0	3.0	0.0	0.0	0.1
12	Aya	Sagar 222	1	EH	0.0	3.0	0.0	0.0	0.8
13	Doliya	Sagar 222	1	EH	0.0	0.0	0.0	0.0	1.6
14	Gosal	Avani 44	1	EH	5.0	0.0	0.0	0.0	1.6
15	Sayla	Avani 45	1	EH	0.0	0.0	0.0	0.0	0.6
16	Navimorwad	Avani 46	1	EH	0.0	0.0	0.0	0.0	0.3
17	Limbdi	Sagar 222	1	EH	1.0	0.0	0.0	0.0	0.4
18	Isnav	86M20	1	EH	0.0	4.0	0.0	4.0	0.0
19	Sunav	DNA 145	1	EH	0.0	0.0	0.0	0.0	3.0
20	Piplav	Sagar 222	1	EH	0.0	4.5	0.0	5.0	4.2
21	Naar	86M22	1	EH	0.0	0.0	0.0	0.0	2.8
22	Dali	Triveni 972	1	EH	5.0	0.0	0.0	8.0	3.8
23	Sojitra	Avani 44	1	EH	0.0	0.0	0.0	0.0	4.7
24	Rauli	Ekta 31	1	EH	2.5	0.0	0.0	3.0	5.0
25	Ravipura	Kedar 888	1	EH	2.5	0.0	0.0	0.0	2.2
26	Palaj	86M20	1	EH	0.0	0.0	0.0	0.0	3.3
27	Ishwarda	86M22	1	EH	2.0	0.0	0.0	0.0	4.2
28	Mehelav	Avani 44	1	EH	0.0	0.0	0.0	0.0	3.8
29	Bandhani	Aditty 755	1	EH	0.0	3.0	0.0	5.0	3.1
30	Juna katariya	Sagar 222	1	EH	0.0	0.0	0.0	0.0	0.9
31	Lakadiaya	Sagar 222	1	EH	0.0	0.0	0.0	9.0	0.4
32	Nava Katariya	Avani	1	EH	0.0	0.0	0.0	2.0	1.3
33	Samakhiyali	Avani	1	EH	1.0	0.0	0.0	8.0	1.5
34	Chandarani	Desi bajra	1	EH	15.0	0.0	0.0	0.0	1.8
35	Mevasa	Sagar 222	1	EH	7.5	0.0	0.0	0.0	0.7
36	Gagodar	Sagar 222	1	EH	1.0	0.0	0.0	0.0	1.9
37	Mangadh	Sagar 222	1	EH	5.0	0.0	0.0	2.0	2.7
38	Palasva	Sagar 222	1	EH	0.0	0.0	0.0	0.0	3.8
39	Makhel	Sagar 222	1	EH	0.0	0.0	0.0	0.0	3.0
40	Adesar	Sagar 222	1	EH	0.0	0.0	0.0	0.0	1.7
41	Dungrasan	86M22	1	EH	2.5	0.0	0.0	0.0	0.7
42	Shihori	86M11	1	EH	0.0	2.5	0.0	13.0	1.9
43	Kant	86M22	1	EH	2.5	0.0	0.0	0.0	3.8
44	Chekhlha	Sagar 222	1	EH	2.5	0.0	0.0	1.0	3.1
45	Khodla	86M22	1	EH	0.0	1.0	0.0	6.0	1.9
46	Mudetha	86M11	1	EH	5.0	0.0	0.0	0.0	2.2
47	Khetwa	86M22	1	EH	0.0	3.0	0.0	0.0	1.8

CHAPTER IV: PLANT PATHOLOGY

Sr. No.	Village/Location	Cultivars/Variety	Area (Acre)	Crop stage	Disease incidence/intensity %				
					DM (%)	Smut (%)	Rust (%)	Ergot	Blast
48	Lorwada	Dhanya	1	EH	2.5	0.0	0.0	2.0	3.2
49	Vaghpura	Nandi75	1	EH	0.0	0.0	0.0	0.0	1.9
50	Vadaval	86M22	1	EH	2.5	0.5	0.0	6.0	2.2
51	Kunpat	86M22	1	EH	5.0	1.0	0.0	0.0	1.8
52	Malgadh	86M11	1	EH	0.0	0.0	0.0	1.0	2.9
53	Akhol	Kaveri	1	EH	0.0	0.0	0.0	0.0	4.8
54	Vaghrol	Nandi75	1	EH	0.0	3.0	0.0	1.0	3.4
55	Motibhakhar	86M22	1	EH	0.0	0.0	0.0	0.0	4.7
56	Nanibhakhar	Sagar 222	1	EH	0.0	0.0	0.0	0.0	3.1
57	Dabhipura	86M22	1	EH	2.5	0.0	0.0	1.0	4.8
58	Dantiwada	86M11	1	EH	10.0	0.0	0.0	1.0	3.9
59	Ganeshpura	86M22	1	EH	0.0	0.0	0.0	0.0	4.5
60	Neelpur	Dhanya	1	EH	0.0	0.0	0.0	2.0	4.7
61	Dangiya	86M22	1	EH	0.0	0.0	0.0	0.0	1.9
62	Madana	Sagar 222	1	EH	0.0	0.0	0.0	0.0	3.8
63	Chandisar	Kaveri	1	EH	0.0	0.0	0.0	0.0	2.6
64	Kushkal	Dhanya	1	EH	0.0	0.0	0.0	0.0	3.4
65	Badarpura	86M11	1	EH	5.0	1.5	0.0	0.0	2.0
66	Chadotar	86M11	1	EH	2.5	0.0	0.0	4.0	1.2
67	Jodnapura	86M11	1	EH	2.5	0.0	0.0	0.0	1.8
68	Sherpura	Sagar 222	1	EH	5.0	0.0	0.0	0.0	3.4
69	Rajosana	Nandi75	1	EH	0.0	1.0	0.0	0.0	1.8
70	Teniwada	Dhanya	1	EH	0.0	0.0	0.0	0.0	3.3
71	Chapi	86M11	1	EH	0.0	0.0	0.0	3.5	3.8
				<b>Mean</b>	<b>1.5</b>	<b>0.6</b>	<b>0.0</b>	<b>1.2</b>	<b>2.3</b>

MADHYA PRADESH-GWALIOR

District	Cultivar	No. Of Field	Area (ha)	Crop	DM inci. (%)	Smut	Blast (%)
Bhind	86M90	2	0.8	HD	0	Tr.	3-5%
	NHV7786	2	1	HD	0	Tr.	7-10%
	JK 2040	1	0.4	HD	0	1	5%
	Proagro 9001	2	0.8	HD	0	Tr.	4-5%
	Unknown Hybrids	2	0.7	HD	0	Tr.	5-10%

HARYANA-HISAR

Name of district / Location	Downy mildew incidence (%)	Blast rating (0-9 scale)
Bhiwani	0.0-2.0	1.0-4.0
Mahendragarh	0.0	1.0-3.2
Rewari	0.0-4.0	1.0-5.0
Jhajjar	0.0	1.0-4.0
Rohtak	0.0	1.0-3.2
Hisar	0.0-2.0	1.0-5.6

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Table 16 (PMPT X): Monitoring of Pearl millet diseases on farmers' fields during Kharif 2024

MAHARASHTRA- DHULE

S. No.	Location	Name of Cultivar	Area (ha)	Percent Disease Incidence					Crop Stage
				DM	Blast	Rust	Smut	Ergot	
<b>I</b>	<b>Dhule</b>	<b>District</b>							
1	Dhamane	Hirkani	0.8	0	20	0	0	0	SDS
2	Devbhane	86M90	0.4	0	5	0	0	0	F
		MDBH-312	1.5	0	50	0	0	0	MS
3	Songir	MLBH-308	0.4	0	10	0	2	1	MS
4	Bahbale	Local	0.4	0	70	0	0	0	MS
5	Pimalkheda	MDBH-312	0.4	0	40	0	0	0	MS
		86M90	0.4	0	0	0	0	0	MS
6	Gorane	MRB-204	0.8	0	0	0	0	0	F
		MDBH-312	0.4	0	30	0	0	0	MS
7	Daswel	MRB -204	0.4	0	20	0	0	0	F
		MDBH-312	0.4	0	40	0	2	0	MS
8	Patan	Veer -552	1	0	30	0	5	0	MS
9	Temlaye	MRB-2240	0.4	0	10	0	0	0	F
		Local	0.4	0	70	0	0	0	MS
		Dhanshakti	0.4	0	40	0	2	0	MS
10	Dattane	Dhanshakti	0.4	0	20	20	0	0	SDS
11	Pimparad	MP-7178	0.6	0	10	0	0	0	F
12	Nardana	MRB-204	0.8	0	10	0	0	0	MS
13	Malich	Adishakti	0.4	0	30	0	0	0	MS
		SBH-7178	0.6	0	30	0	0	0	MS
14	Waghode	MRB-204	0.8	0	30	0	0	0	MS
15	Gondur	MRB-2240	1.2	0	5	0	0	0	MS
16	Nimadale	MDBH-312	1	0	10	0	0	0	MS
17	Mehargaon	MDBH-312	0.6	0	30	0	0	0	MS
		MRB-2232	0.4	0	5	0	0	0	MS
		MDBH-330	0.4	0	10	0	0	0	MS
18	Kavathi	Compact yellowish gr	0.6	0	40	0	5	0	MS
19	Kusumba	MDBH-330	0.8	0	20	0	0	0	SDS
20	Kundane	MP-7178	2	0	0	0	0	0	MS
21	Morane	MRB-204	1.2	0	10	0	0	0	MS
<b>II</b>	<b>Jalgaon</b>	<b>Distict</b>							
22	Mehunbare	NPH-1651	1	0	20	0	0	0	MS
23	Khedgaon	NPH-40	1	0	10	0	0	0	SDS
24	Jamadi	Pioneer	1	0	10	0	0	0	MS
25	Hatale	Nirmal	0.4	0	30	0	0	0	MS
26	Neri	86M94	0.6	0	5	0	0	0	MS
<b>III</b>	<b>Nashik</b>	<b>District</b>							
27	Dhavshivar	Vikas -64	0.4	0	5	0	0	0	MS
28	Aghar	Hanuman	0.4	0	20	0	0	0	MS
		Mahyco	0.4	0	10	0	0	0	MS
29	Pandharun	Vikas -64	0.4	0	10	0	0	0	MS
30	Satana	Balwan	0.4	0	0	0	0	0	MS
31	Malegaon	Pioneer	0.4	0	10	0	0	0	SDS

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Table 16 (PMPT X): Monitoring of Pearl millet diseases on farmers' fields during Kharif 2024  
MAHARASHTRA-AURANGABAD

Sr. No.	Tahesil	Name f armer	Cultivars	Area Acer.	crop stage	Disease incidence / intensity %			
		Location with GPS				DM	Rust	Blast	Ergot
<b>Chh. Sambhajinagar District:</b>									
1	Chh. Sambhaji nagar	Shri . Sukhdev	86M38	1.5	flowerin g	0	2	12	0
		Lat: 19.523506 Lon: 75.20392							
2		Shri Sadanand Gore	AHB 1200	1	Soft Dough	0	3	10	0
		Pimpri Raja							
		Lat: 19.523506 Lon: 75.20392							
3		Shri. Mangesh More	Local	2	Soft Dough	6	15	20	5
		Kadradbad							
		Lat: 19.537506 Lon: 75.48492							
4		Shri.Ganesh	1731	1.5	Soft dough	0	7	17	0
		Ranjangaon kuri							
		Lat. 19.7062 Lon: 75.237202							
5		Shri Bbasahe	Kaveri super Boss	0.5	flowerin g	0	9	15	0
		Bidkin							
		Lat. 19.691702 Lon: 75.309806							
6		Shri.Kantilal	Parmanu	3	Soft dough	0	8	21	0
		Rajapur							
		Lat: 19.712853 Lon: 75.598796							
7	Paithan	Shri.Anil Rathod	Mahyco 204	2.5	Soft dough	0	12	24	0
		Tapti Tanda							
		Lat:19.70865 Lon:75.587025							
8		Shri Appasaheb	86M 88	0.5	flowerin g	0	5	10	0
		Dongaon							
		Lat:19.537518 Lon:75.484939							
9		Javed sayad	AHB 1200	2	Soft dough	0	7	12	0
		Chitegaon							
		Lat.19.773953 Log.75.491685							
10		Shri. Govind	MP 7872	1	Soft dough	0	9	14	0
		Padali							
		Lat.19.774012 Log.75.485239							
11		Shri Hansaraj	Mahodaya 318	1.5	Soft dough	0	6	16	0
		Nilajagaon							
		Lat.19.73281 Log.76.451842							
12		Shri. Lalchand	Shrawari	2	flowerin g	0	10	12	0
		Porgaon							
		Lat :19.735919							

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Table 16 (PMPT X): Monitoring of Pearl millet diseases on farmers' fields during Kharif 2024  
MAHARASHTRA-AURANGABAD

Sr. No.	Tahesil	Name f armer	Cultivars	Area Acer.	crop stage	Disease incidence / intensity %			
		Location with GPS				DM	Rust	Blast	Ergot
13		Long:75.492928	local	3	Soft dough	2	13	25	4
		Shri.Ram Chavan							
		Kachner tanda Lat :19.693724 Long:75.437611							
14		Shri Uttam Salve	86 M32	4	Soft dough	0	7	20.0	0
		Kachner							
		Lat :19.698081 Long:75.431741							
15		Shri. Sharad Sapkal	Nirmal 240	2	Soft dough	0	5	14	0
		Dabhrul							
		Lat.19.699411 Long75.600314							
16		Shri Rahul Narwade	86M38	4	Soft dough	0	9	13	0
		Pachod							
		Lat.19.697851 Long75.620512							
<b>Jalna District</b>									
17		Javed Sayyad	88036	1	Soft dough	0	12	15	0
		Badnapur							
		Lat : 19.869765 Long: 75.715106							
18	Badnapur	Shri. Ganesh	Pioneer	2.0	Soft dough	0	10	13	0
		Gokulwadi	86 M 88						
		Lat:19.91551 Long: 75.70798							
19	Badnapur	Shri. Gajanan	ABH 1200	0.5	Soft dough	0	7	14	0
		Dudhanwadi							
		Lat:19.915629 Long: 75.7077561							
20	Badnapur	Shri. Ragnath	Nandi 75	1.5	flowerin g	0	10	16	0
		Lonar Bahagaon							
		Lat:19.717854 Long: 75.705875							
21		Shri Parmeshwar	1717	2.5	flowerin g	0	12	18	0
		Rohilagad							
		Lat : 19.92536 Long: 77.788518							
22		Shri. Bharat Rajput	Local	3	Maturity	2	17	224	2
		Kingaon							
		Lat : 19.694345 Long: 75.699516							
23		Shri Pandurang	Mahyco 204	2	flowerin g	0	15	21	0
		Hasanapur							
		Lat : 19.694345							

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Table 16 (PMPT X): Monitoring of Pearl millet diseases on farmers' fields during Kharif 2024  
MAHARASHTRA-AURANGABAD

Sr. No.	Tahesil	Name f armer	Cultivars	Area Acer.	crop stage	Disease incidence / intensity %			
		Location with GPS				DM	Rust	Blast	Ergot
24	Ambad	Long: 75.699516							
		<b>Shri Om Taware</b>	Mahodaya 318	1	Soft dough	0	12	12	0
		<b>Chikangaon</b>							
		Lat : 19.694345							
		Long: 75.720597							
25	Ambad	<b>Shri Sagar Rajput</b>	Pioneer	2.5	Soft dough	0	10	10	0
		<b>Wadi godari</b>	86 M 38						
		Lat : 19.537013							
				Long: 75.699516					
26	Ambad	<b>Shri Uttamrao Dange</b>	MP 7872	3	Soft dough	0	8	14	0
		Lat:19.925938							
		Long: 74.7885457							
27	Ambad	Shri Sandu kawale	Local chiveri	2	Soft dough	3	16	23	5
		<b>Nilsing wadi</b>							
		Lat:19.699858							
				Long: 75.625088					
28	Ambad	<b>Shri. Youraj kale</b>	Kaveri boss	1.5	Soft dough	0	9	17	0
		<b>Ghungarde</b>							
		Lat:19.92536							
				Long: 74.788518					

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Table 16 (PMPT X): Monitoring of Pearl millet diseases on farmers' fields during Kharif 2024

KARNATAKA-MYSURU

District	Cultivar	Area	Crop stage	Downy mildew	Blast	Rust	Ergot
		(ha)					
Bellary	Kaveri	5	SD	1	16	11	0
	Shine MP	4	SD	5	14	19	1
	Pratap	4	SD	4	12	18	0
	PAC 909	5	SD	3	14	17	0
	86M64	3	SD	1	9	20	0
	ICMV 221	3	SD	5	14	20	1
Bagalkote	B2308	4	SD	2	20	14	0
	GHB558	3	SD	3	7	19	0
	JK 26	3	F	3	5	10	1
	Advanta 931	4	F	1	13	12	0
	MLHB504	3	SD	2	17	20	0
	MRB163	4	SD	1	11	18	0
	PHI 7688	4	SD	1	18	15	0
Vijayapura	Advanta 931	4	F	1	9	19	1
	SMP7792	3	SD	3	21	14	0
Koppala	GHB558	3	F	1	9	16	0
	Local hybrid	5	F	9	17	14	0
	Nandi 735	2	SD	1	19	10	1
	Samruddhi	3	SD	6	19	17	0

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Table 16 (PMPT X): Monitoring of Pearl millet diseases on farmers' fields during Kharif 2024  
TAMIL NADU-COIMBATORE

District	Block	Village/ Location	Cultivars	Area (ac)	Crop Stage	Disease incidence (%)				
						DM	Rust	Blast	Ergot	
Cuddalore	Vridhachalam	Vilankattur	Local variety	1.5	HD	8	0	5	5	
		Ilangiyannur	Private hybrid	2.5	HD	0	0	3	0	
			Private hybrid	1	SD	0	5	3	0	
		Veerareddikuppam	Ankur hybrid	2	HD	0	3	4	0	
		Vijayamanagaram	Local variety	1.5	Maturity	8	0	5	6	
		Mathur	Local variety	2	Maturity	4	0	2	3	
			Farm saved seed	1	SD	5	0	3	5	
		Irusalakuppam	Private hybrid	1.5	SD	1	3	4	0	
	local variety		1	HD	5	0	5	8		
	Vridhachalam	Hybrid	2	SD	0	0	5	0		
	Nallur	Memathur	Ankur hybrid	2	HD	0	0	4	0	
			local variety	1.5	Maturity	6	3	5	6	
			COH 10	2.5	SD	0	5	3	0	
		Nallur	Hybrid	1	HD	0	0	3	0	
		Kandappankurichi	Pioneer hybrid	2	HD	0	5	4	0	
			Local variety	1.5	Maturity	6	0	5	5	
	Maligaimedu	Farm saved seed	1.5	flowering	3	0	5	3		
	Kurinjiyadi	Andikuppam	Hybrid	2	HD	0	0	3	0	
			Private hybrid	2	HD	0	0	4	0	
		Meenatchipettai	local variety	2.5	SD	0	3	5	0	
		Paacharapalayam	Pioneer hybrid	2	SD	0	0	4	0	
		Vengattankuppam	Private hybrid	2	HD	0	0	5	0	
			Local variety	1	SD	2	0	3	5	
			Hybrid	2	HD	0	2	5	0	
			Private hybrid	1.5	Flowering	0	5	3	0	
		Farm saved seed	1	SD	0	3	3	0		
		thambipettai	Private hybrid	2	SD	0	0	4	0	
		Kullanchavadi	Hybrid	1	HD	0	0	3	0	
		Ayanthur	Farm saved seed	1.5	flowering	2	0	5	0	
	Private hybrid		1	HD	0	0	5	0		
	Viluppauram	Kanai	Mambalapattu	Local variety	2	SD	5	0	5	3
		Mogaiyur	Sennaganam	Private hybrid	1.5	HD	0	0	5	0
farm saved seeds				2	flowering	3	5	4	0	
Thirukkivilur		Ponniyanthal	private hybrid	1	HD	0	0	5	0	
			Farm saved seed	1.5	SD	2	0	2	0	
Pavandur	Private hybrid	1	HD	0	0	4	0			
Thiruvannamalai	Arani	Panaiyur	local variety	1	Flowering	5	0	2	2	
	Samukudaiyanpattu	farm saved seeds	1.5	Flowering	5	0	2	0		
		local variety	1	Flowering	3	0	3	0		
	Arudirapattu	farm saved seeds	1.5	Flowering	5	0	2	3		
	Perumanam	local variety	1	SD	7	0	3	0		
	Devanur	farm saved seeds	2	Flowering	5	0	2	0		
		local variety	1	SD	2	0	3	2		
Kadambur	private hybrid	2.5	HD	0	0	3	0			
Nagalapuram		Private hybrid	1	HD	0	5	3	0		
		farm saved seeds	1.5	Maturity	1	10	5	0		



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Table 16 (PMPT X): Monitoring of Pearl millet diseases on farmers' fields during Kharif 2024

TAMIL NADU-COIMBATORE

District	Block	Village/ Location	Cultivars	Area (ac)	Crop Stage	Disease incidence (%)				
						DM	Rust	Blast	Ergot	
Theni	Bodinaickanur		local variety	2	HD	1	8	5	0	
		Gopalapuram	COH 10	2	HD	0	10	3	0	
			private hybrid	1	SD	0	10	3	0	
	Chinnamanur	Chinnamanur		farm saved seeds	1.5	Maturity	0	12	5	0
				local variety	1.5	Maturity	0	10	5	0
		Seepalakkottai		COH 10	2	HD	0	8	3	0
				CO 10	2	HD	0	10	3	0
	Theni	Thappukundu		Private hybrid	1	SD	0	8	3	0
				local variety	1	HD	0	10	5	0
	K. myladumparai	Kandamanur		Private hybrid	2	SD	0	5	3	0
				Private hybrid	1	HD	0	8	5	0
				farm saved seeds	1.5	Maturity	0	12	7	0
	Andipatti	Andipatti		Local variety	1	HD	0	12	5	0
				Local variety	1.5	Maturity	0	10	5	0
Coimbatore		Coimbatore	CO 10	1	F	0	10	2	0	
			Co 9 hybrid	1	F	0	12	2	0	