

**Table 3. Parentage, notification details, adaptation niches, maturity group/duration and major salient features of pearl millet hybrids developed in India since 1959**

S. No.	Hybrids	Parentage (A x R)	Notification number	Notification date	Registration No. with PPV& FRA	Bred at	Area of adaptation	Maturity group/duration and salient features	DF	DM	GY (kg/h)	FY (q/h)	Fe (ppm)	Zn (ppm)
196	86M80 (MH 2439)	M461F x M513R	S.O. 4065 (E)	31.08.2022	-	Pioneer Overseas Corp., (Corteva AgriSci.), Hyderabad	Rajasthan, Gujarat, Haryana, Madhya Pradesh and Delhi	Late maturing, tall, very compact long panicles, dual purpose, resistant to high temperature and lodging, highly resistant to DM, tolerant to rust and insect- pests	57	88	3940	123	52	35
195	BLPMH-109	BLPMA00 2 x BLPMR14 14	S.O. 4065 (E)	31.08.2022	-	Limagrain India Pvt. Ltd., Hyderabad	Summer growing areas of Gujarat, Rajasthan, UP Maharashtra and Tamil Nadu	Late maturing, very compact conical earheads, high grain and fodder yield, medium height with stay green character, resistant to downy mildew and lodging	59	89	4734	88	51	35
194	SVPMH-101 (MSH 361)	SVMSA-112 x SVR-50	S.O. 4065 (E)	31.08.2022	-	Shaktivardhak Hybrid Seed Pvt., Ltd., Hisar	Summer growing areas of Gujarat, Rajasthan, UP Maharashtra and Tamil Nadu	Late maturing, very compact earheads, high grain and fodder yield, grey brown coloured globular seeds, resistant to downy mildew and lodging	57	88	4729	95	51	35
193	MPMH 35 (MH 2474) (Maru Sampada)	ICMA1 94555 x MIR 1252	S.O. 4065 (E)	31.08.2022	-	ICAR-AICRP on Pearl millet, PC Unit, Jodhpur	Western Rajasthan, drier parts of Gujarat and Haryana	Early maturing, compact lanceolate panicles, grey coloured, highly resistant to downy mildew, blast, insect pests and resistant to smut	44	75	2190	52	46	35
192	86M94 (MH 2480)	9PHGF39A x M444R	S.O. 4065 (E)	31.08.2022	-	Pioneer Overseas Corp., (Corteva AgriSci.), Hyderabad	Rajasthan, Gujarat, Haryana, Madhya Pradesh and Delhi	Medium maturing, tall, very compact cylindrical long panicles, dual purpose, resistant to high temperature and lodging, highly resistant to DM, tolerant to rust and insect- pests	50	82	3627	99	55	40

<b>191</b>	PB 1877 (MSH 353) (PA 9385)	PSP 85 x PP 124	S.O. 8 (E)	24.12.2021	yes	Bayer Bio Science Hyderabad	Summer growing areas of Gujarat, Rajasthan, UP Maharashtra and Tamil Nadu	Late maturing, tall, very compact long panicles, bold grain seed, resistant to high temperature and lodging, highly resistant to DM, tolerant to rust and insect- pests	<b>56</b>	<b>88</b>	<b>5058</b>	<b>84</b>	<b>53</b>	<b>36</b>
<b>190</b>	HHB 67 Imp 2	ICMA 843- 22 x H 77/833-2- 202-6	S.O. 8 (E)	24.12.2021	-	CCS HAU, Hisar & ICRISAT	Rajasthan, Gujarat, Haryana, Madhya Pradesh and Delhi	Extra early maturity, highly resistant to moisture stresses, resistant to downy mildew. The second commercial cultivars developed using marker-assisted selection in India	<b>44</b>	<b>76</b>	<b>2000</b>	<b>52</b>	<b>55</b>	<b>40</b>
<b>189</b>	NBH 5929 (MH 2423)	NB 1121A x NB 197R	S.O. 8 (E)	24.12.2021	-	Nuziveedu Seeds Ltd, TS	Rajasthan, Gujarat, Haryana, Madhya Pradesh, Uttar Pradesh, Punjab and Delhi	Late maturing, tall plant height, long compact panicles, medium bold grain, non lodging, non shattering, resistant to drought, tolerant to major diseases and pests	<b>56</b>	<b>86</b>	<b>3882</b>	<b>119</b>	<b>45</b>	<b>36</b>
<b>188</b>	RHB 228 (MH 2098)	ICMA 843- 22 x RIB 15S076	S.O. 8 (E)	24.12.2021	-	ICAR- AICRP on PM, RARI, Jaipur	Rajasthan	Early maturing, compact panicles, medium size grains, grey brown, highly resistant to downy mildew, blast, insect pests and resistant to smut	<b>45</b>	<b>75</b>	<b>2757</b>	<b>46</b>	<b>40</b>	<b>34</b>
<b>187</b>	GHB 1231 (Sawaj Shakti)	ICMA1 11222 x J-2597	S.O. 8 (E)	24.12.2021	-	ICAR- AICRP- PM, Jamnagar	Gujarat	Late maturing, medium grain size, tolerant to lodging, bio fortified hybrid, resistant to DM, blast, ergot, rust and smut, resistant to insect pests	<b>53</b>	<b>82</b>	<b>2760</b>	<b>75</b>	<b>81</b>	<b>41</b>
<b>186</b>	VPMH 7	ICMA 94555 x CPRT-112	S.O. 500 (E)	29/01/2021	-	RARS, Vijayapur	Karnataka	Suitable for Kharif season, 85 days maturity, moderately resistant to major diseases and pests	<b>50</b>	<b>85</b>	<b>2352</b>	<b>34</b>	<b>67</b>	<b>52</b>
<b>185</b>	MP 7366 (MSH 346)	MP14P028 A x MP15P035 R	S.O. 500 (E)	29/01/2021	-	Metahelix Life Sciences, Hyderabad	Summer growing areas of Gujarat, Rajasthan, UP Maharashtra and Tamil Nadu	Grey color grains, very compact and lanceolate panicles, heat tolerant, resistant to DM, blast and other diseases	<b>58</b>	<b>89</b>	<b>5079</b>	<b>87</b>	<b>65</b>	<b>43</b>
<b>184</b>	Proagro Marutej (XMT 1358)	PSP 65 x PP 56	S.O. 3482 (E)	07/10/2020	-	Bayer Bio Science Hyderabad	Rajasthan	Early maturing, tolerant to moisture stress and lodging, tolerant to downy mildew, rust, blast, shoot fly and stem borer	<b>45</b>	<b>75</b>	<b>2175</b>	<b>46</b>	<b>43</b>	<b>35</b>

183	Moti Shakti (GHB 1225)	ICMA <sub>1</sub> 98222 x J-2591	S.O. 3482 (E)	07/10/2020	-	ICAR-AICRP-PM, Jamnagar	Gujarat	Late maturing, resistant to downy mildew, blast, smut, rust and ergot, salt and water stress tolerant, good quality stover	52	82	3023	73	76	46
182	Jam Shakti (GHB 1129)	ICMA <sub>1</sub> 99222 x J-2565	S.O. 3482 (E)	07/10/2020	-	ICAR-AICRP-PM, Jamnagar	Gujarat	Medium maturing, resistant to downy mildew and lodging, salt and water stress tolerant, good quality stover	48	80	2957	62	72	43
181	Central Pearl Millet Hybrid BHB-1602 (MH 2192)	ICMA 88004 x BIB-16810	S.O. 3482 (E)	07/10/2020	-	ICAR-AICRP-PM, SKRAU, Bikaner	Rajasthan, Gujarat and Haryana	Early maturing, compact, conical ear heads, grey brown, globular grains, highly resistant to downy mildew, blast, insect pests and resistant to smut	45	76	2529	49	55	37
180	HHB 311 (MH 2179)	ICMA 02333 x H 14/003	S.O. 99(E)	06/01/2020	-	ICAR-AICRP-PM, CCS HAU, Hisar	Rajasthan, Gujarat, Haryana, Punjab, Delhi, Maharashtra and Tamil Nadu	Medium maturing, compact, conical, complete ear heads, grey, hexagonal grains, resistant to major diseases and pest	50	81	3173	72	83	39
179	PB 1852 (MH 2224)	PSP 95 x PP 110	S.O. 3220(E)	06.09.2019	-	Bayer Bio Science Pvt. Ltd., Hyderabad	Rajasthan, Gujarat, Haryana, Madhya Pradesh, Uttar Pradesh, Punjab and Delhi	Medium maturing, grey colour grain with bold size, lodging tolerant, responsive to fertilizers, resistant to DM and blast, tolerant to moisture stress	50	82	3383	95	56	32
178	JKBH 1326 (MH 2228)	JKMS 1388A x JKR 16049	S.O. 3220(E)	06.09.2019	-	JK Agri Genetics, Hyderabad	Rajasthan, Gujarat, Haryana, Madhya Pradesh, Uttar Pradesh and Punjab	Medium maturing, medium thick, very long, conical and compact head, clear exertion with small to medium size pale yellow grain, highly resistant to downy mildew, rust, smut, ergot and blast	51	79	3292	82	48	33
177	RHB 234 (MH 2174)	ICMA 02333 x RIB 15177	S.O. 3220(E)	06.09.2019	-	AICRP on PM, RARI, Jaipur	Rajasthan, Haryana, Gujarat, Punjab, Delhi Maharashtra and Tamil Nadu	Medium maturing, brown anther colour, complete exertion, greyish seed, resistant to major diseases & insect pest	49	81	3169	71	84	41

176	RHB 233 (MH 2173)	ICMA 99444 x RIB 15176	S.O 3220(E)	06.09.2019	-	AICRP on PM, RARI, Jaipur	Rajasthan, Haryana, Gujarat, Punjab, Delhi, Maharashtra and Tamil Nadu	Medium maturing, yellow anther colour, complete exertion, greyish seed, resistant to major diseases & insect pest	49	80	3157	74	83	46
175	DHBH 1397 (MH 2114)	DHLB 16A x DHLBI 1035	S.O. 3220(E)	06.09.2019	-	ICAR- AICRP on PM, BRS, MPKV, Dhule	Rajasthan, Gujarat, Haryana, Madhya Pradesh, Uttar Pradesh, Punjab and Delhi	Medium maturing, dual purpose hybrid, globular shaped grey colour seed, highly resistant to downy mildew and blast	49	80	3390	74	59	36
174	AHB 1269Fe (MH 2185)	ICMA 98222 A1 x AUBI 1105	S.O. 1498(E)	01.04.2019	-	NARP, Aurangaba d	Rajasthan, Gujarat, Haryana, Punjab, Delhi, Maharashtra and Tamil Nadu	Medium maturing, high Fe content	50	82	3168	74	91	43
173	PROAGRO 9450 (Bayer 9450)	PSP61 x PP63	S.O. 1498(E)	01.04.2019	-	Bayer BioScience Pvt. Ltd., Hyderabad	Uttar Pradesh	Late maturing, dual purpose hybrid, tall, long compact conical panicles, tolerant to lodging, tolerant to downy mildew and blast diseases	58	86	3861	136	71	58
172	Phule Mahashakti (DHBH 1211) (MH 2078)	ICMA 99222 A <sub>1</sub> x DHLBI 1201	S.O. 1498(E)	01.04.2019	-	ICAR- AICRP on PM, MPKV, Dhule	Maharashtra	Late maturing, medium tall, cylindrical shape earhead, resistant to downy mildew	52	83	2581	53	85	37
171	MP 7878 (MH 2155)	MP14P030 A x MP15P038 R	S.O. 6318(E)	26/12/2018	-	Metahelix Life Science Ltd., Bangalore	Gujarat, Rajasthan, Haryana, Uttar Pradesh, Madhya Pradesh, Punjab and Delhi.	Late maturing, tall, dual purpose, stay green, compact lanceolate panicles, tolerant to downy mildew	55	86	4181	106	58	43
170	PB 1756 (MH 2082) PA 9072	PSP91 x PP107	S.O. 6318(E)	26/12/2018	-	Bayer Bio Science Hyderabad	Western Rajasthan, drier parts of Gujarat and Haryana	Early maturing, tolerant to moisture stress and lodging, resistant to downy mildew, blast, smut and ergot, tolerant to shoot fly and stem borer	45	75	2698	47	48	38

169	PB 1720 (MH 2107)	PSP93 x PP106	S.O. 6318(E)	26/12/2018	-	Bayer Bio Science Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, Madhya Pradesh and Uttar Pradesh	Medium maturing, tolerant to moisture stress and lodging, resistant to downy mildew, blast, smut and ergot, tolerant to shoot fly and stem borer	50	81	3337	79	64	37
168	Pusa 1201 (MH 1849)	MS 411 A x ICMR 07333	S.O. 1379(E)	27.03.2018	-	ICAR- IARI, New Delhi	National Capital Territory of Delhi	Medium maturing, yellow anthers, cylindrical panicles, stay green trait, highly resistant to downy mildew, smut and rust, highly resistant to pests, highly responsive to fertilizers	50	80	2810	72	55	48
167	BHB 1202 (Bikaner Hybrid Bajra1202) (MH 1831)	ICMA 843- 22 x BIB- 22	S.O.1379(E)	27.03.2018	-	ICAR- AICRP on PM, SKRAU, Bikaner	Rajasthan	Early maturing, compact conical earhead, yellow brown globular shaped grains, yellow brown anther color, highly resistant to downy mildew, blast and major pests	45	76	1776	28	47	42
166	Balwan (NBH 4903) (MH 1743)	NB 105A x NB 98R	S.O. 1379(E)	27.03.2018	-	Nuziveedu Seeds Ltd, TS	Rajasthan	Late maturing, medium plant height with long exerted compact panicles, medium bold grains, tolerant to major diseases and pests, non lodging, non shattering, resistant to drought	58	86	3103	98	53	41
165	GK 1116 (MH 1974)	GK 100A (PM 100A) x GK 120R (PM 120R)	S.O. 1379(E)	27.03.2018	-	Ganga Kaveri Seeds Pvt. Ltd., Hyderabad	Rajasthan	Medium maturing, medium plant height, very compact ear head cylindrical spike shape, tolerant to downy mildew, rust, smut and ergot, tolerant to stem borer, highly responsive to fertilizers	49	79	3644	58	46	27
164	Central Pearl Millet Hybrid RHB 223 (MH 1998) (RHB 223)	ICMA 96666 x RIB 3135- 18	S.O. 1379(E)	27.03.2018	-	ICAR- AICRP on PM, RARI, Jaipur	Rajasthan, Gujarat and Haryana	Early maturing, brown anthers, long brown bristles, resistant to DM, blast and smut, resistant to shoot fly, stem borer and grey weevil, tolerant to stress	44	71	2969	55	46	40
163	HHB 299 (MH 2076)	ICMA 04888 x H 13/0001	S.O. 1379(E)	27.03.2018	-	CCS HAU, Hisar	Rajasthan, Haryana, Gujarat, Punjab, Delhi, Maharashtra and Tamil Nadu	Medium maturing, purple anther color, lanceolate shaped compact panicle, greyish hexagonal shape grains, resistant to major diseases and insect pests	50	81	3274	73	73	41

162	PB 1705 (MH 2008)	PSP 83 x PP 78	S.O. 1379(E)	27.03.2018	-	Bayer Bio Science Pvt. Ltd., Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, Madhya Pradesh and Uttar Pradesh	Medium maturing, grey color grain with bold size, resistant to DM, blast, rust, smut & ergot, tolerant to lodging, tolerant to shoot fly and stem borer	49	79	3640	88	49	32
161	AHB 1200 Fe (MH 2072 (AHB 1200))	ICMA 98222 x AUBI 1101	S.O. 1379(E)	27.03.2018	-	NARP, Aurangabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, Maharashtra, Telangana, Andhra Pradesh and Tamil Nadu	Medium maturing, high Fe content, long cylindrical panicle, resistant to downy mildew, resistant to stem borer, highly responsive to fertilizers	47	78	3170	70	77	39
160	NBH 4903 (MH 2035)	NB 105A x NB 98R	S.O. 399(E)	24.01.2018	19 of 2019	Nuziveedu Seeds Ltd, Secunderabad	Maharashtra, Karnataka, Telangana, Andhra Pradesh and Tamil Nadu	Late maturing, medium plant height with long exerted compact panicles, medium bold grains, tolerant to major diseases and pests, non lodging, non shattering, resistant to drought	54	85	4444	-	-	-
159	Mahabeej 1005 (MH 1852)	MBJ-2A x MJB-1R	S.O. 2805 (E)	25.08.2017	-	MSSCL, Akola	Maharashtra	Medium maturing, yellow anther, complete spike exertion, conical, long and thick panicle, tolerant to stress	49	81	2994	62	62	37
158	PBH 306 (MH 1962)	PB 501A x PB 89R	S.O. 1007 (E)	30.03.2017	-	Prabhat Agri Biotech Limited, Hyderabad	Maharashtra, Karnataka, Telangana, Andhra Pradesh and Tamil Nadu	Late maturing, medium plant height, long compact panicles, medium bold grains, resistant to drought, tolerant to major diseases and pests	56	87	3828	78	54	34
157	Phule Aadishakti (DHBH 9071)		S. O. 3540 (E)	24.11.2016	-	ICAR-AICRP on PM, MPKV, Dhule	Maharashtra	Suitable for rainfed, grey globular seeds, resistant to downy mildew		85	3200			
156	XMT 1497 (MH 1928)	PSP 69 x PP 71	S. O. 3540 (E)	24.11.2016	-	Bayer Bio Science, Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Medium maturing, medium plant height, purple anther colour, very compact cylindrical earheads, grey coloured hexagonal grains, resistant to downy mildew blast, rust and ergot	47	79	3693	89	56	33

155	KBH 3940 (MH 1984)	KBMS 61 x KBR 986	S. O. 3540 (E)	24.11.2016	-	Kaveri Seed Co. Ltd., Secunderab ad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturing, medium plant height, brown anther colour, semi compact lanceolate earheads, grey coloured obovate grains, resistant to downy mildew blast, rust and ergot	56	86	3738	96	48	40
154	Bio 8145 (MH 1970)	EM141 x LM240	S. O. 3540 (E)	24.11.2016	-	Bioseed Research India Pvt. Ltd., Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturing, tall plant height, yellow anther colour, compact cylindrical earheads, grey coloured globular grains, resistant to downy mildew blast, rust and ergot	44	87	3630	95	58	39
153	Nandi75 (NMH 82) (MSH 287)	NMS 24A x NMP 95	S. O. 3540 (E)	24.11.2016	-	New Nandi Seeds Corporation , Ahmedabad	Summer growing areas of Gujarat, Rajasthan, UP Maharashtra and Tamil Nadu	Late maturing, tall plant height, purple anther colour, compact cylindrical earheads, grey coloured globular grains, resistant to downy mildew and rust	55	86	4934	88	-	-
152	86M13 (MSH 276)	M096F x M174R	S. O. 3540 (E)	24.11.2016	-	Pioneer Overseas Corp., Hyderabad	Summer growing areas of Gujarat, Rajasthan, UP Maharashtra and Tamil Nadu	Late maturing, yellow coloured anthers, very compact spindle earheads, grey coloured obovate seeds, resistant to downy mildew	58	88	5497	104	-	-
151	JKBH 1100 (MH 1810)	JKMS 1331A x JKR 16005	S. O. 3540 (E)	24.11.2016	-	JK Agri Genetics, Hyderabad	Uttar Pradesh	Late maturing, compact cylindrical earheads, yellow coloured anthers resistant to downy mildew, rust & smut diseases	50	74	5278	117	-	-
150	86M82 (MH 1888)	M156F x M172R	S. O. 3540 (E)	24.11.2016	-	Pioneer Overseas Corp., Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturing, purple coloured anthers, compact lanceolate long earheads, grey coloured obovate seeds resistant to downy mildew, ergot, rust and smut	54	84	3806	104	57	39
149	JKBH 1105 (MSH 254)	JKMS 1331A x JKR 11568	S. O. 3540 (E)	24.11.2016	-	JK Agri Genetics, Hyderabad	Summer growing areas of Uttar Pradesh	Late maturing, yellow coloured anthers, very compact cylindrical non-bristled earheads, globular grey brown grains, resistant to downy mildew, rust & smut diseases	65	88	2441	112	-	-
148	JKBH 1008 (MH 1828)	JKMS 1954A x JKR 16010	S. O. 3540 (E)	24.11.2016	-	JK Agri Genetics, Hyderabad	Drier part of Gujarat, Rajasthan and Haryana.	Early maturing, yellow anther colour, cylindrical compact earheads, grey coloured globular grains, resistant to downy mildew and blast	46	75	2383	43	42	38

147	MPMH 21 (MH 1777)	ICMA 93333 x MIR 524	S. O. 2238 (E)	29.06.2016	-	AICRP- Pearl Millet, Jodhpur	Drier part of Rajasthan, Gujarat and Haryana	Early maturing, brown anthers, lanceolate compact ear heads, grey brown hexagonal grains, resistant to downy mildew, blast and smut	47	75	2469	48	41	35
146	HHB 272 (MH 1837)	HMS 47A x AC 04/13	S. O. 2238 (E)	29.06.2016	-	AICRP on Pearl Millet, CCS HAU, Hisar	Drier part of Rajasthan, Gujarat and Haryana	Early maturing, brown anthers, lanceolate compact ear heads, grey globular grains, resistant to blast	45	74	2421	44	44	33
145	86M84 (MH 1890)	M162F x M172R	S. O. 2238 (E)	29.06.2016	-	Pioneer Overseas Corp., Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturing, yellow anthers, lanceolate very compact ear heads, grey obovate bold grains resistant to resistance to downy mildew and blast other disease	55	85	3849	111	52	40
144	PHB 2884	ICMA 22777 x PIB 686	S. O. 112 (E)	12.01.2016	-	AICRP on Pearl Millet, PAU, Ludhiana	Punjab	Late maturing, tall plant height, lanceolate ears heads, grey seeds	56	88	3306	-	-	-
143	Proagro Tejas	PSP53 x PP56	S. O. 112 (E)	12.01.2016	-	Bayer Bio Science, Hyderabad	Rajasthan	Early maturing, medium height, candle ear heads, grey seeds, resistant to downy mildew	-	-	-	-	-	-
142	86M88 (MH 1816)	M162F x M164R	S. O. 1228 (E)	07.05.2015	95 of 2019	Pioneer Overseas Corp., Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturing, purple anther colours, compact conical earheads, grey obovate coloured grains, resistant to downy mildew, smut, rust and blast	54	86	3990	72	41	38
141	86M01 (MH 1790)	M096F x M149R	S. O. 1228 (E)	07.05.2015	204 of 2015	Pioneer Overseas Corp., Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP, MP, Maharashtra, Karnataka, Andhra Pradesh and Tamil Nadu	Medium maturing, purple anther colours, compact conical earheads with bristles, grey obovate coloured grains, , resistant to downy mildew and smut	50	82	3509	73	48	43
140	NBH 5767 (MH 1785)	NB 345A x NB 97R	S. O. 268 (E)	28.01.2015	-	Nuziveedu Seeds Pvt. Ltd., Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Medium maturing, purple anther colours, medium plant height, compact lanceolate earheads, deep grey coloured grains	50	83	3356	60	42	42
139	NBH 5061 (MH 1812)	NB 66A x NB 98R	S. O. 1919 (E)	30.07.2014	101 of 2019	Nuziveedu Seeds Pvt. Ltd., Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturing, purple anther colors, medium plant height, compact lanceolate earheads, grey coloured grains	57	89	3924	80	40	40

138	KBH 108 (MH 1737)	KMPS-74A x KPR- 9288R	S. O. 244 (E)	24.01.2014	-	Krishna Seed (P) Ltd., Agra	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturing, tall plant height, purple anther colour, cylindrical very compact ear heads, obovate grey seed, resistant to downy mildew, blast and smut	56	86	3551	111	-	-
137	GHB 905 (MH 1655)	ICMA 04999 x J- 2454	S. O. 2815 (E)	19.09.2013	-	AICPMIP, MRS, Jamnagar	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Medium maturing, medium height, yellow anther colour, compact cylindrical earheads with bristles, resistant to downy mildew, globular grey brown seeds	48	79	2736	65	-	-
136	Nandi 72 (MSH 238) (NMH 75)	NMS 31A x NMP 75	S. O. 2815 (E)	19.09.2013	-	New Nandi Seeds Corporation , Ahmedabad	Summer growing areas of Gujarat, Maharashtra, Rajasthan and Tamil Nadu	Medium tall plant height, purple coloured anthers lanceolate thick compact earheads, resistant to downy mildew, globular deep grey seed	57	89	5274	102	-	-
135	86M89 (MH 1747)	M163F x M164R	S. O. 2815 (E)	19.09.2013	-	Pioneer Overseas Corp., Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturing, tall height, conical very compact earheads, yellow anther colour, resistant to downy mildew, obovate deep grey coloured seed	53	84	3648	104	-	-
134	MPMH 17 (MH 1663)	ICMA 04999 x MIR 525-2	S. O. 952 (E)	10.04.2013	-	AICPMIP, Jodhpur	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Medium maturing, medium height, yellow anther colour, compact lanceolate earheads with bristles, resistant to downy mildew, grey brown seeds	48	79	2835	64	41	34
133	HHB 234 (MH 1561)	HMS 7A x H77/833-2- 202	S. O. 952 (E)	10.04.2013	-	AICPMIP, CCS HAU, Hisar	Western Rajasthan and drier part of Gujarat and Haryana	Early maturing, candle shaped earheads with small bristles, medium seed size and tolerant to downy mildew	48	76	1756	40	38	40
132	Kaveri Super Boss (MH 1553)	KBMS 329 x KBR 621	S. O. 2125 (E)	10.09.2012	-	Kaveri Seed Co. Ltd., Secunderab ad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP, MP, Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturing, tall height, long compact cylindrical earheads, purple anther colour, globular grey coloured seed	55	85	3383	83	46	40
131	Bio 70 (MH 1632)	11A x R 207	S. O. 2125 (E)	10.09.2012	-	Bioseed Research India Pvt. Ltd., Hyderabad	Western Rajasthan and drier part of Gujarat and Haryana	Early maturing, conical compact earheads, yellow anther colour, globular grey seed and tolerant to downy mildew	48	77	2023	43	46	38

130	Bio 448 (MH 1671)	13A x R 210	S. O. 2125 (E)	10.09.2012	10 of 2014	Bioseed Research India Pvt. Ltd., Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP, MP, Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturing, cylindrical compact earheads, yellow anther colour, globular grey seed and tolerant to downy mildew	52	85	3236	81	-	-
129	Nandi 70 (MSH 224)	NMS 31A x NMP 55	S. O. 2125 (E)	10.09.2012	-	New Nandi Seeds Corporation , Ahmedabad	Summer growing areas of Gujarat, Maharashtra, Rajasthan and Tamil Nadu	Medium plant height, cylindrical thick compact earheads, globular deep grey seed	58	89	5445	96	-	-
128	Pratap (MH 1642)	NB 101A x NB 152R	S. O. 2125 (E)	10.09.2012	-	Nuziveedu Seeds Pvt. Ltd., Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Medium maturity, medium plant height, cylindrical semi compact earheads, globular grey seed	51	84	2934	62	49	45
127	PKV Raj (BBH 3)	BMS-5- 23A x BR- 333	S. O. 2125 (E)	10.09.2012	-	Dr. PDKV, ARS, Buldana	Maharashtra	Medium maturing, medium height, conical compact bristled earheads, grey coloured seed	49	84	2824	50	-	-
126	MP 7872 (MH-1610)	M002A x M004R	S. O. 1708 (E)	26.07.2012	13 of 2015	Metahelix Life Science Ltd., Bangalore	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturing, medium height, yellow anther colour, spindle earheads, grey coloured globular seed	53	82	3282	91	44	35
125	MP 7792 (MH-1609)	M001A x M004R	S. O. 1708 (E)	26.07.2012	-	Metahelix Life Science Ltd., Bangalore	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturing, medium height, yellow anther colour, cylindrical earheads, grey coloured globular seed	52	82	3277	90	43	33
124	86M86 (MH 1684)	M128F x M138R	S. O. 1708 (E)	26.07.2012	105 of 2015	Pioneer Overseas Corp., Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP, MP, Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturing, Medium to tall plant height, conical very compact earheads, purple anther colour, grey hexagonal seeds	54	86	3405	87	53	45
123	CO 9	ICMA 93111 x PT 6029-30	S. O. 1708 (E)	26.07.2012	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	Medium maturing, medium height, candle compact earheads, greyish yellow seed colour	48	78	2707	60	-	-

122	Shine (VBBH 3040) (MH 1578)	VBBA 310089 x VBBR 330585	S. O. 456 (E)	16.03.2012	45 of 2014	Vibha Agrotech Ltd., Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Medium maturing, medium height, red node pigmentation, yellow anther colour, compact spindle shaped earheads resistant to downy mildew, grey bold seeds	49	82	3274	69	-	-
121	86M66 (MH 1617)	M124F x M118R	S.O. 2326 (E)	10.10.2011	94 of 2015	Pioneer Overseas Corp., Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturing, medium height, conical compact earheads, brownish yellow anthers, broad leaves, purple node colour, grey seed colour, resistant to downy mildew	55	83	3305	95	42	31
120	PAC 909 (MH 1435)	110057 x 130453	S.O. 2326 (E)	10.10.2011	-	Advanta India Ltd., Secunderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Medium maturing, medium height, medium thick compact cylindrical earheads, light yellow coloured anthers, grey seed colour, resistant to downy mildew	50	84	3487	63	-	-
119	HHB 226 (MH 1479)	ICMA 843-22 x HBL-11	S.O. 632 (E)	25.03.2011	-	AICPMIP, CCS HAU, Hisar	Western Rajasthan and drier part of Gujarat and Haryana	Medium maturing, medium height, dark green leaves, candle shaped bristled earheads, resistant to downy mildew	48	75	2081	45	38	41
118	RHB 177 (MH 1486)	ICMA 843-22 x RIB 494	S.O. 632 (E)	25.03.2011	-	AICPMIP, RARI, Jaipur	Western Rajasthan and drier part of Gujarat and Haryana	Early maturing, medium tall, cylindrical bristled earheads, resistant to downy mildew, light yellow anthers	46	74	2047	43	42	39
117	RHB 173 (MH 1446)	ICMA 93333 x RIB 192 S/99	S.O. 632 (E)	25.03.2011	-	AICPMIP, RARI, Jaipur	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Medium maturity, medium to tall plant height, compact cylindrical ear heads, resistant to downy mildew	49	79	3073	78	42	33
116	86M64 (MH 1540)	M096F x M 117R	S.O. 283 (E)	07.02.2011	11 of 2012	Pioneer Overseas Corp., Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturing, conical compact earheads, obovate light grey seeds, resistant to downy mildew	52	85	3152	63	46	43
115	86M53 (MH 1541)	M096F x M 119R	S.O. 283 (E)	07.02.2011	-	Pioneer Overseas Corp., Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturing, conical compact earheads, obovate grey bold seeds, resistant to downy mildew	53	86	3403	72	41	43
114	86M64 (MSH 203)	M096F x M 117R	S.O. 283 (E)	07.02.2011	11 of 2012	Pioneer Overseas Corp., Hyderabad	Summer growing areas of Gujarat, Maharashtra, Rajasthan and Tamil Nadu	Late maturing, conical compact earheads, obovate light grey bold seeds, resistant to downy mildew	55	89	5244	88	-	-

113	RHRBH 9808	RHRB 13A x RHRBI 1314	S.O.2137 (E)	31.08.2010	243 of 2015	AICPMIP, MPKV, Dhule	Maharashtra	Medium maturing, medium tall plant height, dark green leaves, cylindrical earheads, yellow anthers	50	80	3013	52	-	-
112	Nandi 65 (MH 1549)	NMS 24A x NMP 75	S.O.2137 (E)	31.08.2010	-	New Nandi Seeds Corporation, Ahmedabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturing, cylindrical shaped non bristled compact ear heads, yellow anther colour, bold grains resistant to downy mildew	52	81	3303	85	59	43
111	Nandi 61 (MH 1548)	NMS 24A x NMP 64	S.O.2137 (E)	31.08.2010	-	New Nandi Seeds Corporation, Ahmedabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturing, conical shaped non bristled compact earheads, bright yellow anther colour, bold grains resistant to downy mildew	52	81	3432	86	40	34
110	HHB 223 (MH 1468)	ICMA 94555 x HBL 11	S.O.211 (E)	29.01.2010	-	AICPMIP, CCS HAU, Hisar	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Medium maturing, conical earheads with long purple bristled, resistant to downy mildew, tolerant to drought	46	77	2695	75	42	37
109	HHB 216 (MH 1421)	HMS 37A x HTP 3/13	S.O.211 (E)	29.01.2010	-	AICPMIP, CCS HAU, Hisar	Western Rajasthan and drier part of Gujarat and Haryana	Medium maturing, resistant to downy mildew, candle shaped medium long to togo earheads with brownish long bristled	49	76	2300	53	-	-
108	Nandi 64 (MSH 199)	NMS 2-11A x NMP 4-1	S.O.211 (E)	29.01.2010	-	New Nandi Seeds Corporation, Ahmedabad	Summer growing areas of Gujarat, Maharashtra, Rajasthan and Tamil Nadu	Late maturity, conical shaped earheads, light purple anther colour, light reddish plant base, resistant to downy mildew	56	88	4592	88	-	-
107	RHB 154	ICMA 95444 x RIB 57 S/05	S.O.2187 (E)	27.08.2009	-	AICPMIP, ARS, Durgapura, Jaipur	Western Rajasthan and drier part of Gujarat and Haryana	Early maturing, medium tall, resistant to downy mildew, tolerant to lodging, light yellow anthers, cylindrical earhead	48	76	2552	57	-	-
106	JKBH 676	JKMS 20A x JKR 6136	S.O.2187 (E)	27.08.2009	35 of 2011	JK Agri Genetics, Hyderabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Late maturity, medium tall plant height, highly compact earheads, stay green fodder	52	83	3006	81	-	-
105	GK 1051	PM 678A-II x PM 1081 R-I	S.O. 454 (E)	11.02.2009	-	Ganga Kaveri, Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Medium maturity, medium tall, cylindrical shaped earheads with pearly grey grain	54	87	3457	63	-	-
104	B 2095 (MH 1257)	B 0009A x B 5220R	S.O. 449 (E)	11.02.2009	-	Zurari Seeds Ltd., Bangalore	Rajasthan, Gujarat, New Delhi, UP and MP	Medium maturity, medium tall, compact candle panicles, globular grey grains	51	81	2876	77	-	-

103	PB 727 (Proagro 9555)	PSP 51 x PP 38	S.O. 1108 0(E)	08.05.2008	30 of 2013	Bayer Bio Science, Hyderabad	Gujarat (summer), Maharashtra, Rajasthan, Tamil Nadu	Late maturity, medium tall, compact cylindrical panicles with yellow anthers, obovate grey grains	57	88	4178	72	-	-
102	PHB 2168	ICMA 92333 x PIB 686	S.O. 72 (E)	10.01.2008	82 of 2011	AICPMIP, PAU, Ludhiana	Rajasthan, Gujarat, Haryana, Punjab, New Delhi, UP and MP	Early maturity, medium tall, compact cylindrical shaped panicles with yellow anthers, obovate grey grains	51	80	2914	76	-	-
101	HHB 197	ICMA 97111 x HBL 11	S.O. 72 (E)	10.01.2008	21 of 2013	AICPMIP, CCS HAU, Hisar	Rajasthan, Gujarat, Haryana, Punjab, New Delhi, UP and MP	Early maturity, medium tall, dark green leaves, cylindrical medium Togo earheads with long bristles, highly resistant to down mildew disease	46	76	2959	70	-	-
100	GHB 732	ICMA 96222 x J 2340	S.O. 72 (E)	10.01.2008	88 of 2013	AICPMIP, MRS, Jamnagar	Rajasthan, Gujarat, Haryana, Punjab, New Delhi, UP and MP	Medium maturity, medium tall, compact lanceolate earheads, purple anthers, globular grey brown bold grains	52	81	3002	77	-	-
99	GHB 744	ICMA 98444 x J 2340	S.O. 72 (E)	10.01.2008	83 of 2011	AICPMIP, MRS, Jamnagar	Rajasthan, Gujarat, Haryana, Punjab, New Delhi, UP and MP	Medium maturity, medium tall, medium thick stem with basal pigmentation, compact cylindrical shaped panicles with yellow anthers, globular grey brown grains	51	80	2805	71	-	-
98	GHB 757	ICMA 92777 x J 2467	S.O. 72 (E)	10.01.2008	89 of 2013	AICPMIP, MRS, Jamnagar	Rajasthan, Haryana and Gujarat	Early maturity, medium tall, compact cylindrical shaped earheads with purple anthers, globular grey brown grains	48	77	2365	46	-	-
97	GHB 719	ICMA 95222 x J 2454	S.O. 122 (E)	06.02.2007	27 of 2009	AICPMIP, MRS, Jamnagar	Rajasthan, Haryana and Gujarat	70-75 days maturity, fully exerted conical shaped, compact and bristled earheads, globular, medium in size, grey coloured grains, tolerant to drought	47	75	2406	54	-	-
96	NMH 68 (Nandi 62)	ICMA 97444 x NMP 48	S.O. 1703 (E)	05.10.2007	113 of 2009	New Nandi, Ahmedabad	Rajasthan, Gujarat, Punjab, New Delhi, UP and MP	Late maturity, tall, pubescent nodes, compact cylindrical earheads that are slightly tapering towards apex, yellow anthers, globular grey grains	53	82	2868	74	-	-
95	B 2301	B 0009A x B 5103R	S.O. 1703 (E)	05.10.2007	-	Zuari Seeds Ltd., Bangalore	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturity, medium tall, compact spindle shaped earheads, globular grey bold grains	55	88	3920	78	-	-

94	GHB 538	ICMA 95444 x J 2340	S.O. 1177 (E)	25.08.2005	28 of 2009	AICPMIP, MRS, Jamnagar	Western Rajasthan and drier part of Gujarat and Haryana	Early maturity, highly resistant to moisture stresses, resistance to downy mildew and lodging	47	76	2453	42	-	-
93	HHB 67 Improved	ICMA 843-22 x H 77/833-2-202	S.O. 1566 (E)	05.11.2005	72 of 2009	AICPMIP, CCS HAU, Hisar	Western Rajasthan and drier part of Gujarat and Haryana	Extra early maturity, highly resistant to moisture stresses, resistant to downy mildew. The first commercial cultivars developed using marker-assisted selection in India	41	70	2024	45	-	-
92	GHB 577	JMS A 101 x J 2405	S.O. 161 (E)	04.02.2004	-	AICPMIP, MRS, Jamnagar	Rajasthan, Haryana, MP, Gujarat, UP, New Delhi	80-85 days, tall, medium thick stem with basal pigmentation, semi compact cylindrical earheads with slightly incomplete exertion, globular grains	50	81	3100	67	-	-
91	PB 180	PSP 41 x PP 29	S.O. 161 (E)	04.02.2004	49 of 2011	ProAgro, Hyderabad	Summer cultivation areas of Rajasthan, Gujarat and other states	85 days, tall, high tillering, pubescent green nodes, compact candle shaped earheads, yellow anthers, obovate dark grey grains	58	86	4007	77	-	-
90	HHB 117	HMS 7 A x H77/29-2	S.O. 161 (E)	04.02.2004	73 of 2009	AICPMIP, CCS HAU, Hisar	Haryana	74-78 days, medium tall, yellow anthers, compact candle-shaped medium thick earheads, obovate grey grains, possesses stay-green character	49	73	2775	80	-	-
89	HHB 146	ICMA 95222 x HTP 94 / 54	S.O. 283 (E)	12.03.2003	43 of 2012	AICPMIP, CCS HAU, Hisar and ICRISAT, Patancheru	Rajasthan, Haryana, MP, Gujarat, UP, New Delhi	75-80 days, tall, violet nodes, hairy leaf sheath, long well- filled compact earheads, obovate grey grains, slow senescence	52	79	2887	74	-	-
88	GHB 558	ICMA 94555 x J 2290	S.O. 283 (E)	12.03.2003	31 of 2009	AICPMIP, MRS, Jamnagar	All India	75-80 days, medium tall, broad leaves, long thick compact candle shaped earheads, yellow anthers, obovate dark grey bold grains	53	81	3013	81	-	-
87	GHB 526	ICMA 95222 x J 2372	S.O. 283 (E)	12.03.2003	30 of 2009	AICPMIP, MRS, Jamnagar	Summer cultivation areas across India	85 days, medium tall, good tillering, narrow leaves with greenish white mid-rib, good exertion, yellow anthers, compact conical earheads, obovate grey brown grains	59	86	4002	74	-	-
86	PB 172	PSP 35 x PP 27	S.O. 283 (E)	12.03.2003	-	Pro Agro, Hyderabad	Summer cultivation areas of Gujarat	84 days, medium tall, good nodes, compact candle shaped earheads, yellow anthers, globular grey grains	54	84	4063	63	-	-
85	7688	PH 03 x PH 05	S.O. 92 (E)	02.02.2001	-	Pioneer, Hyderabad	All India	78-80 days, tall, hairy green internodes, light purple anthers, compact cylindrical earheads, grey grains	50	78	2545	60	-	-

84	PB 106 (ProAgro 9443)	PSP 41 x PP 6	S.O. 92 (E)	02.02.2001	-	ProAgro, Hyderabad	All India	76-80 days, tall, basal pigmentation purple, purple anthers, conical semi- compact earheads with tan bristles, medium grey grains	48	78	2760	59	-	-
83	PB 112 (ProAgro 9445)	PSP 35 x PP 1	S.O. 1134 (E)	15.11.2001	-	ProAgro, Hyderabad	Rajasthan, Haryana, MP, Gujarat, UP, Delhi	85-88 days, tall, good tillering, glabrous green nodes, compact conical earheads, yellow anthers, bold and globular grey grains	49	77	2715	64	-	-
82	RHB 121	ICMA 89111 x RIB 3135- 18	S.O. 1134 (E)	15.11.2001	59 of 2009	AICPMIP, ARS, Durgapura, Jaipur	Rajasthan, Haryana, MP, Gujarat, UP, Delhi	85 days, medium tall, compact thick conical earheads, yellow anthers, long purple bristles, globular grey brown grains	47	75	2729	68	-	-
81	Nandi 35	NMS 11A x NMP 42	S.O. 1134 (E)	15.11.2001	114 of 2009	New Nandi, Ahmedabad	Maharashtra, Karnataka, AP, TN	80 days, tall, cylindrical earheads, non-pigmented nodes and medium size grey grains	52	82	3009	55	-	-
80	CoHCu 8	732 A x PT 4450	S.O. 1134 (E)	15.11.2001	60 of 2009	AICPMIP, TNAU, Coimbatore	Tamil Nadu	80-85 days, tall, conical earheads, obovate grey brown grains	46	81	2841	59	-	-
79	HHB 94	ICMA 89111 x G73 – 107	S.O. 340 (E)	03.04.2000	-	AICPMIP, CCS HAU, Hisar	Haryana	73-76 days, medium tall, synchronous tillering, semi- compact cylindrical earheads, yellow anthers, obovate grey grains	52	73	3250	61	-	-
78	RHB 90	81 A x RIB 3135 - 18	S.O. 821 (E)	13.09.2000	-	AICPMIP, ARS, Durgapura, Jaipur	Rajasthan	85 days, medium tall, compact cylindrical earheads, yellow anthers, purple bristles, obovate yellow brown grains	49	79	2206	42	-	-
77	Pusa 605	841A x PPMI 69	S.O. 425 (E)	08.06.1999	195 of 2012	IARI, New Delhi	Rajasthan, Haryana, Gujarat, MP, UP, New Delhi	74-80 days, medium tall, compact cylindrical earheads, yellow anthers, obovate grey grains	48	77	2247	49	-	-
76	Nandi 8	NMS 5A x NMP 23	S.O. 425 (E)	08.06.1999	115 of 2009	New Nandi, Ahmedabad	Rajasthan, Haryana, Gujarat, UP	80 days, medium tall, long cylindrical earheads, medium bold cream yellow grains	50	80	2322	53	-	-
75	Nandi 32	NMS 7A x NMP 24	S.O. 1050 (E)	26.10.1999	117 of 2009	New Nandi, Ahmedabad	Rajasthan, Haryana, Gujarat, MP, UP, New Delhi	78 days, medium tall, pink base of stem, long cylindrical earheads, medium bold grey grains	50	78	2537	55	-	-
74	Pusa 415	576A x PPMI 301	S.O. 1050 (E)	26.10.1999	197 of 2012	IARI, New Delhi	Rajasthan, Haryana, Gujarat, MP, UP, New Delhi	78 days, medium tall, compact thick lanceolate earheads, yellow anthers, obovate yellow brown grains	48	78	2273	55	-	-

73	MLBH 504	36 A x MI- 6 7	S.O. 1050 (E)	26.10.1999	-	Mahendra Seeds	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	78-82 days, medium tall, semi- compact to compact earheads, bold grey grains, a dual-purpose hybrids	46	81	2134	63	-	-
72	GK 1004	GKPM 1A x GKPM 59R	S.O. 401 (E)	15.05.1998	-	Ganga Kaveri, Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	85 days, medium tall, semi- compact medium long earheads, grey grains	51	84	2845	42	-	-
71	7686	PH 01 x PH 03	S.O. 401 (E)	15.05.1998	-	Pioneer, Hyderabad	Rajasthan, Haryana, UP, Gujarat, MP	80-85 days, tall, purple nodes, compact cylindrical earheads, purple anthers, grey grains, lodging resistant	52	80	2174	52	-	-
70	PAC 903 (ICI 903)	-	S.O. 401 (E)	15.05.1998	-	ProAgro, Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	85 days, medium tall, medium long earheads	50	81	2725	48	-	-
69	ProAgro 1 (FMH 3)	PSP 21 x PP 23	S.O. 401 (E)	15.05.1998	-	ProAgro, Hyderabad	All India (irrigated in summer and rainfed in kharif)	85-88 days, tall, excellent tillering, glabrous green nodes, cylindrical compact earheads, shrivelled sterile anthers, multicut forage hybrid	-	-	-	76	-	-
68	RHRBH 8924 (Saburi)	RHRB 5A x RHRBI 458	S.O. 360 (E)	01.05.1997	-	AICPMIP, MPKV, Rahuri	Maharashtra, Karnataka, Gujarat, TN	80 days, medium tall, thick semi- compact lanceolate earheads, yellow anthers, brown bristles, obovate deep grey grains	47	77	3001	42	-	-
67	GHB 183	81 A x J998	S.O. 360 (E)	01.05.1997	-	AICPMIP, MRS, Jamnagar	Summer cultivation areas of Gujarat	83 days, medium tall, thick stem, medium broad leaves, tuft of hair at nodal rings, spindle shaped earheads, greenish grey grains	51	83	5239	93	-	-
66	MLBH 285	11A x MI – 51	S.O. 360 (E)	01.05.1997	-	Mahendra Seeds	Rajasthan, Haryana, MP, Gujarat	75-80 days, medium tall, compact earheads filled with bold grey grains	51	80	2539	59	-	-
65	Nandi 30	NMS 3A x NMP 13	S.O. 360 (E)	01.05.1997	116 of 2009	New Nandi, Ahmedabad	Marashtra, AP, Karnataka, TN	86 days, medium tall, cylindrical medium thick earheads, light purplish grains	51	84	2897	50	-	-
64	X6	732A x PT 3095	S.O. 360 (E)	01.05.1997	64 of 2009	AICPMIP, TNAU, Coimbatore	Tamil Nadu	95-100 days, medium tall, spindle to conical earheads, dark green foliage	55	98	2300	46	-	-
63	RBH 30	843A x RIB 335 / 74	S.O. 360 (E)	01.05.1997	76 of 2009	AICPMIP, ARS, Durgapura, Jaipur	Rajasthan	80-85 days, medium tall, non pubescent internodes, good tillering, ligules light red colored, yellow anthers, long bristles, creamy grey grains	40	76	1683	40	-	-

62	X 7 (Cumbu 7)	Pb 111A x PT 1890	S.O. 647 (E)	09.09.1997	75 of 2009	AICPMIP, TNAU, Coimbatore	Tamil Nadu	90 days, tall, loose cylindrical earheads, yellow anthers, obovate grey grains	53	93	2513	49	-	-
61	JKBH 26	JKMS 2A x JKR 497	S.O. 662 (E)	17.09.1997	1 of 2009	JK Agri Genetics, Hyderabad	Rajasthan, Haryana, MP, UP, Delhi	85 days, medium tall, purple pigmented nodes, conical earheads, grey grains	51	81	2300	53	-	-
60	GHB 316	405 A x J2290	S.O. 662 (E)	17.09.1997	-	AICPMIP, MRS, Jamnagar	Rajasthan, Haryana, MP, Gujarat, Punjab and New Delhi	85-88 days, medium tall, compact candle shaped earheads, yellow anthers, obovate yellow brown grains	53	82	2120	64	-	-
59	MLBH 267	3A x 153	S.O. 1 (E)	01.01.1996	-	Mahendra Seeds	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	75-80 days, medium tall, compact earheads filled with bold grey grains	50	81	2599	57	-	-
58	JBH 1	81 A x ICMR 501	-	15.07.1996 released by M.P.	-	AICPMIP, COA, Gwalior and ICRISAT, Hyderabad	MP, UP	83 days, tall, non-bristled candle shaped earheads, light green glumes, medium grey and obovate grains, top cross hybrid	52	82	3560	64	-	-
57	PABH 3	PAMS 1A x Zim - 1	-	-	-	AICPMIP, RRS, NARP, Aurangabad	Marathwada area of Maharashtra	85 days, medium tall, resistant to downy mildew	-	-	-	-	-	-
56	Pusa 444	189 A x PPMI 301	S.O. 408 (E)	04.05.1995	-	IARI, New Delhi	All India	85 days, medium tall, thick semi-compact cylindrical earheads, purple anthers, globular yellow brown grains	51	77	2260	39	-	-
55	RHB 58	81 A x RIB 20K- 86	S.O. 408 (E)	04.05.1995	-	AICPMIP, ARS, Durgapura, Jaipur	All India	85 days, medium tall, compact conical earheads, purple anthers, obovate yellow brown grains	51	83	2444	62	-	-
54	RHRBH 8609 (Shardha)	RHRBH 1A x RHRBI 138	S.O. 638 (E)	02.09.1994	66 of 2009	AICPMIP, MPKV, Rahuri	Maharashtra	80 days, medium tall, semi-compact candle earheads, yellow anthers, purple bristles, globular deep grey grains	48	82	2689	53	-	-
53	GHB 15	5054A x J 108	S.O. 636 (E)	02.09.1994	-	AICPMIP, MRS, Jamnagar	Gujarat	84 days, medium tall, high tillering, narrow leaves, long dense earheads, brownish grey seeds	51	78	2171	45	-	-
52	GHB 235	81 A x J 2296	S.O. 636 (E)	02.09.1994	-	AICPMIP, MRS, Jamnagar	Gujarat	80 days, medium tall, compact conical earheads, purple anthers, globular grey grains	53	79	1992	53	-	-

51	AHB 251 (Devgiri)	81A x AIB 16	S.O. 636 (E)	02.09.1994	-	AICPMIP, RRS, NARP, Aurangaba d	Marathwada area of Maharashtra	82-85 days, medium tall, bulging nodes, non-hairy leaves, cylindrical earheads, bold state whitish grains	53	83	2661	62	-	-
50	MBH 160	MMS – 9 x PI 21	-	13.01.1993	-	Mahyco, Jalana	All India	80 days, medium tall, high tillering, semi-compact bristled earheads, bold grains	51	82	2494	56	-	-
49	HHB 68	842 A x H77 / 833-2	S.O. 615 (E)	17.08.1993	-	AICPMIP, CCS HAU, Hisar	Haryana	60-62 days, compact conical earheads, yellow anthers, globular brown grains, resistant to drought, fits well in inter- and multiple- cropping	45	63	3000	85	-	-
48	Pusa 322 (MH 322)	841A x PPMI 301	S.O. 615 (E)	17.08.1993	-	IARI, New Delhi	All India	80 days, medium tall, thick cylindrical semi-compact earheads with sterile tip, globular grey brown grains	51	82	2451	57	-	-
47	ICMH 312	81A x ICMR 312	S.O. 615 (E)	17.08.1993	-	ICRISAT, Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	85 days, medium tall, long semi- compact conical earheads, yellow to purple anthers, globular grey grains	50	80	2386	51	-	-
46	ICMH 356	ICMA 88004 x ICMR 356	S.O. 615 (E)	17.08.1993	-	ICRISAT, Hyderabad	All India	75-80 days, medium tall, semi- compact thick conical earheads, yellow anthers, obovate bold yellow brown grains	48	78	2450	43	-	-
45	Eknath 301	NBMS 13A x NB 37	S.O. 793 (E)	22.11.1991	-	Nath Seeds, Aurangaba d	All India	80-85 days, medium tall, non- pubescent internodes, good tillering, ligules light red coloured, yellow anthers, long bristles, creamy grey grains	51	82	2487	59	-	-
44	MLBH 104	53A x MI 13	S.O. 793 (E)	22.11.1991	-	Mahendra Seeds	All India	80 days, medium tall, pubescent ligules, fully exerted earheads, anthers light pink, globular smooth grey grains	48	78	2372	60	-	-
43	HHB 67	843A x H77/833 – 2	S.O. 386 (E)	15.05.1990	-	AICPMIP, CCS HAU, Hisar	All India	60-62 days, medium tall, thin stem, medium narrow leaves, semi-compact spindle shape earheads, yellow anthers, grey globular grains, escapes drought and tolerates salt stress, fits well in inter-cropping and multiple- cropping	43	62	3100	88	-	-
42	VBH 4	VBMS 1A x VBR 19	S.O. 639 (E)	17.08.1990	-	Vijay Seeds, Jalana	All India	80 days, medium tall, good tillering, compact non-bristled earheads, medium bold grains	52	83	2569	54	-	-
41	GHB 181	81A x J 2002	-	1989	-	AICPMIP, MRS, Jamnagar	-	85 days, tall, thick stems, hairy nodes, long thick earheads with tip sterility	50	80	3211	61	-	-

40	MBH 136	MS 2 A x PL No. 6	S.O. 280 (E)	13.04.1989	-	Mahyco, Jalana	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	85 days, medium tall, high tillering, compact conical very thick earheads, yellow anthers, pink medium long bristles, grey seeds	49	84	2257	43	-	-
39	ICMH 423	841A x ICMP423	S.O. 10 (E)	01.01.1988	-	ICRISAT, Hyderabad	All India	75-80 days, medium tall, hairy nodes, glabrous leaves, compact cylindrical to conical earheads, purple glumes, yellow anthers, grey hexagonal grains	50	79	3007	69	-	-
38	HHB 50	81A x H 90/4-5	S.O. 165 (E) and S.O. 10 (E)	06.03.1987 and 01.01.1988	-	AICPMIP, CCS HAU, Hisar	Haryana, TN, Gujarat	76-80 days, medium and thick stem, long dense pointed earheads, medium bold grains	51	78	3250	60	-	-
37	HHB 60	81A x H77/833 – 2	S.O. 1135 (E)	01.12.1988	-	AICPMIP, CCS HAU, Hisar	Haryana	74-76 days, tall, high tillering, medium thin stems, compact candle ear head, obovate brown grains, resistant to drought and salt stress, good quality fodder	49	75	3250	61	-	-
36	GHB 30	5054 A x J 2002	S.O. 165 (E)	06.03.1987	-	AICPMIP, MRS, Jamnagar	Gujarat	80 days, medium tall, thin stem, compact earheads	48	78	2793	53	-	-
35	Pusa 23 (MH 169)	84 1A x D 23	S.O. 834 (E)	18.09.1987	-	IARI, New Delhi	All India	82 days, medium tall, glabrous leaves, yellow anthers, compact cylindrical earheads, light grey obovate grains	50	82	2312	50	-	-
34	MBH 130	MS 2 A x PL No. 4	S.O. 165 (E)	06.03.1986	-	Mahyco, Jalana	All India	80-85 days, medium tall, broad green leaves, conical earheads with bristles, shining bold grains with bluish dark slate color, wider adaptability	50	82	2282	58	-	-
33	MH 179 (ICMH 451)	81A x ICMP 451	S.O. 258 (E)	14.05.1986	-	ICRISAT, Hyderabad	All India	85-90 days, medium tall, leaves medium in width, semi-compact earheads with mostly brown bristles, grey grains with vitreous endosperm	55	87	2226	58	-	-
32	MH 180	834A x ICMP 501	S.O. 258 (E)	14.05.1986	-	ICRISAT, Hyderabad	All India	85 days, medium tall, medium thick stem, well separated leaves, semi-compact bristles earheads tapering towards tip, light grey grains, moderately resistant to ergot	54	86	2126	56	-	-
31	MH 182	732A x PNBM 83099	S.O. 258 (E)	14.05.1986	-	AICPMIP, Pune, Coimbatore	All India	85 days, medium tall, 2-5 tillers per plant, medium long earheads filled with light grey grains	55	87	2175	62	-	-

30	GHB 32	5141A x J1188	-	27.03.1985	-	AICPMIP, MRS, Jamnagar	Gujarat	79 days, medium tall, medium thick stem, profuse tillering, nodal pigmentation, long cylindrical earheads, elongated grains	50	81	2812	56	-	-
29	MBH 118	2 A x Pollinator No. 3	S.O. 295 (E)	09.04.1985	-	Mahyco, Jalana	All India (rainfed)	78-83 days, medium tall, long conical earheads with bristles, bold grains	49	81	2421	60	-	-
28	X 5 (UCH 9)	PB 111A x PT 1921	S.O. 295 (E)	09.04.1985	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	90-100 days, tall, thick stem, dark green leaves, purple pigmentation at nodes and green at the base of the stem, very short bristles	53	84	1765	71	-	-
27	HHB 45	5141A x H 90/4 -5	S.O. 540 (E)	24.07.1985	-	AICPMIP, CCS HAU, Hisar	Haryana	82-85 days, Medium tall, remains green till harvest, suitable for both early and late sown conditions	51	71	2934	100	-	-
26	PHB 47	PB111A x PIB 1234	S.O. 832 (E)	18.11.1985	-	AICPMIP, PAU, Ludhiana	Punjab and TN	85 days, tall, thick sturdy stem, long thick earheads with profuse gristles, remains green till harvest	-	-	-	-	-	-
25	Pusa 46 (CM 46)	5054 A x M 46	S.O. 2 (E)	03.01.1983	-	IARI, New Delhi	All India	75-78 days, tall, thin stem, 4-6 tillers, narrow hairy leaves, spindle shaped earheads	-	-	-	-	-	-
24	MBH 110	MS 2 x Pollinator No. 2	S.O. 2 (E)	03.01.1983	-	Mahyco, Jalana	All India	85-87 days, medium tall, loose and thick conical earheads with long bristles, bold grey shining grains	-	-	-	-	-	-
23	GHB 27	5141A x J 2002	S.O. 499 (E)	08.07.1983	-	AICPMIP, MRS, Jamnagar	Gujarat	80-85 days, medium tall, nodal pigmentation, long and cylindrical earheads, bold grains	-	-	-	-	-	-
22	X 4	5141A x PT 1921	S.O. 19 (E)	14.01.1982	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	80-85 days, tall, purple pigmentation at the base of stem, high tillering, dark green leaves, yellow and purple anthers, short to medium bristles, medium to bold grains	-	-	-	-	-	-
21	KBH 1	PB 111A x S 444	S.O. 19 (E)	14.01.1982	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	85-90 days, tall, white mid rib, short bristles, grey grains	-	-	-	-	-	-
20	Pusa 763 (BD 763)	5141A x D 763	S.O. 371 (E)	29.05.1982	-	IARI, New Delhi	All India	90-95 days, tall, thick stem, broad long leaves, rod shape earheads	-	-	-	-	-	-
19	BD 111	5141A x D 111	S.O. 470 (E)	19.02.1980	-	IARI, New Delhi	AP, New Delhi, Haryana	85-90 days, tall, good tillering, small bristles, resistant to lodging	-	-	-	-	-	-
18	BJ 104	5141A x J104	S.O. 13(E) and S.O. 470 (E)	19.12.1978 and 19.02.1980	-	IARI, New Delhi	All India	75-82 days, medium tall, good basal tillering, nodal joints red, medium long cylindrical earheads tapering towards tips, conical grains	-	-	-	-	-	-

17	BK 560	5141A x K 560-230	S.O. 13 (E)	19.12.1978	-	IARI, New Delhi	All India	85-90 days, medium tall, good tillering, sturdy plants, green yellowish stems, rod shaped earheads, resistant to lodging	-	-	-	-	-	-
16	MBH 104	BMS 1 x BPL – 15	S.O. 13 (E)	19.12.1978	-	Mahyco, Jalana	All India (rain fed)	85-90 days, medium tall, dark green leaves, compact long cylindrical earheads, long tan bristles, medium bold grains	-	-	-	-	-	-
15	CJ 104	5054 A x J 104	S.O. 13 (E)	19.12.1978	-	IARI, New Delhi	Drought prone areas of Gujarat	75 days, medium tall, good basal tillering, pigmented nodes, non bristles cylindrical earheads	-	-	-	-	-	-
14	NHB 5	5071A x K 559-85	S.O. 786 (E)	02.02.1976	-	IARI, New Delhi	Rajasthan, UP, TN, AP, Maharashtra, Karnataka, Haryana	85 days, medium tall, thick stems, cylindrical earheads, medium bold light grey grains	-	-	-	-	-	-
13	PHB 14 (HB 7)	PB 111A x PIB 228	S.O. 786 (E)	02.02.1976 denotified on 17.07.1997	-	AICPMIP, PAU, Ludhiana	All India	87 days, tall, thick stem, long bristles era heads, broad leaves	-	-	-	-	-	-
12	PHB10 (HB 6)	PB 111A x PIB 155	S.O. 786 (E)	02.02.1976 denotified on 17.07.1997	-	AICPMIP, PAU, Ludhiana	All India	88 days, tall, thick stems, broad leaves, long bristles, slow senescence	-	-	-	-	-	-
11	NHB 3	5071A x J 104	-	1975	-	IARI, New Delhi	Gujarat	70-75 days, medium tall, light green foliage, cylindrical earheads with tapering tips	-	-	-	-	-	-
10	GHB 1399	126 D2A x J1399	-	1975	-	AICPMIP, MRS, Jamnagar	Gujarat	85-90 days, dwarf, good tillering, dark green foliage, long cylindrical earheads	-	-	-	-	-	-
9	NHB 4	5071A x K 560-230	-	1975	-	IARI, New Delhi	All India	85 days, medium tall, cylindrical era heads with tapering tips	-	-	-	-	-	-
8	HB 3	Tift 23A x J 104	S.O. 4045(E) and S.O. 5505 (E)	24.09.1969 and 20.10.1971	-	AICPMIP, MRS, Jamnagar	Dry areas of Maharashtra, Gujarat, Rajasthan and Haryana	80 85 days, medium tall, profuse tillering, pigmented nodes, glabrous leaves, conical earheads	-	-	-	-	-	-
7	HB 1	Tift 23A x Bil 3B	S.O. 4045(E) and S.O. 716(E)	24.09.1969 and 20.02.1970 denotified on 19.12.1978	-	AICPMIP, PAU, Ludhiana	Assured rainfall areas across India	80-85 days, medium tall, profuse tillering, succulent stem, green ligules, long earheads, slow senescence	-	-	-	-	-	-
6	HB 4	Tift 23A x K 560	S.O. 4045(E) and S.O. 716 (E)	24.09.1969 and 20.02.1970	-	AICPMIP, Kanpur	All India (except Punjab)	85-90 days medium tall, profuse tillering, rod – shape earheads, greenish yellow grains	-	-	-	-	-	-
5	HB 5	Tift 23A x K 559	-	1969	-	AICPMIP, Kanpur	All India	78-85 days, medium tall, cylindrical earheads with tapering towards tips	-	-	-	-	-	-

4	HB 2	Tift 23A x J 88	S.O. 4045(E)	24.09.1969	-	AICPMIP, MRS, Jamnagar	Dry areas of MP, Gujarat and Rajasthan	80-85 days, medium tall, good tillering, pink pigmented at stem base, long compact earheads	-	-	-	-	-	-
3	X 3	PT 826 / 7 x PT 829 / 8	-	1957	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	80-85 days, tall, green pigmentation at nodes, conical earheads, bold grains	-	-	-	-	-	-
2	X 2	PT 411 x PT422	-	1950	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	90 days, tall, purple pigmentation at the base of stem and basal internodes, long cylindrical compact earheads	-	-	-	-	-	-
1	X 1	PT 348 x PT 350	-	1950	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	95 days, tall, green with purple basal internodes, long cylindrical compact earheads	-	-	-	-	-	-

**Table 4: Notification details, adaptation niches, maturity group/duration and major salient features of pearl millet open-pollinated varieties developed in India since 1934**

S. No.	Variety	Notification number	Notification date	Registration No. with PPV & FRA	Bred at	Area of adaptation	Maturity group and salient features	DF	DM	GY (kg/h)	FY (q/h)	Fe (ppm)	Zn (ppm)
65	GBL 2 (MP 595) (PCB 165)	S.O. 8 (E)	24.12.2021	-	ICAR-AICRP, PAU, Ludhiana	Punjab	Late maturing, dual purpose, good fodder, resistant to biotic and abiotic stresses	52	86	2841	106	49	38
64	VPMV 9 (MP 590)	S.O.8 (E)	24.12.2021	-	ICAR-AICRP- Pearl Millet (RARS), UAS, Dharwad	Karnataka	Medium maturing, cylindrical spike, grey brown and obovate seed, tolerant to lodging, moderately tolerant to rust and blast	48	81	2761	72	66	39
63	MBP-2	S.O. 2986 (E)	20.07.2021	-	ARS (UAS, Raichur), Malnoor	Karnataka	Medium maturing, long and compact panicles, tall, pale yellow colour seed, moderately resistant to major diseases and pests	50	81	2715	65	72	48
62	ABV 04 (MP 552)	S.O. 1498 (E)	01.04.2019	-	ANGRAU, Ananthapuramu	Maharashtra, Karnataka, Andhra Pradesh, Telangana and Tamil Nadu	Late maturing, panicles thick and compact with grey coloured bold size, highly resistant to downy mildew, smut and blast, resistant to major insect pests	52	86	2863	58	70	63
61	MP 535 (Pusa Composite 701)	S.O. 3540 (E)	24.11.2016	-	IARI, New Delhi	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Medium maturing, medium height, yellow anther colour, cylindrical compact earheads, globular grey brown grains, resistant to downy mildew	50	80	2313	71	48	41
60	Pearl Millet CO 10	S.O.2238 (E)	29.06.2016	-	AICRP-Pearl Millet, TNAU, Coimbatore	Tamil Nadu	Medium maturing, compact spindle shape ear head, grey brown bold seed, resistant to downy mildew	43	87	3767	57	-	-
59	Dhanshakti (ICTP 8203 Fe 10-2)	S.O.1146 (E)	24.04.2014	-	MPKV, Dhule	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu, Rajasthan, Haryana, MP, Gujarat, UP, Punjab	Early maturing variety containing high iron(76-91ppm) and zinc (39-48ppm), bold, globular, shining slate grey coloured seed, cylindrical - lanceolate earhead, resistant to downy mildew	45	76	2199	53	81	43
58	ABPC-4-3 (MP 484)	S.O.2125 (E)	10.09.2012	-	AICPMIP, Aurangabad	Maharashtra	Late maturing, medium plant height, lanceolate earheads, globular grey seeds	51	85	2700	56	-	-

57	Mandor Bajra Composite 2 (MBC 2) (MP 489)	S.O.2326 (E)	10.10.2011	-	A.R.S, Mandor, Jodhpur	Rajasthan, Harayana, Gujarat	Early maturing, medium height, medium long semi compact cylindrical earheads, obvate grey coloured seed	48	77	1478	42	-	-
56	Pusa Composite 612 (MP 480)	S.O. 632 (E)	25.03.2011	-	AICPMIP, IARI, New Delhi	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Medium maturity, medium to tall plant height, compact cylindrical earheads	49	84	2602	51	-	-
55	Pusa Composite 443 (MP 443)	S.O. 449 (E)	11.02.2009	99 of 2011	AICPMIP, IARI, New Delhi	Rajasthan, Harayana, Gujarat	Early maturity, medium tall, rod shaped earheads with bold grain	48	76	1691	45	-	-
54	PCB 164	S.O. 1178 (E)	20.07.2007	77 of 2011	AICPMIP, PAU, Ludhiana	Punjab	85-88 days, dual purpose variety with broad leaves, thick stalks, cylindrical earheads, bred from seven elite population and 27 diverse inbred lines	49	78	2437	74	-	-
53	JBV 4 (MP 403)	S.O. 1178 (E)	20.07.2007	-	AICPMIP, COA, Gwalior	MP	Mature in 75 days, medium tall, thick stemmed. Plants with many leaves, slate grey seeds.	48	76	2430	69	-	-
52	PPC-6 (Parbhani Sampada)	S.O. 122 (E)	02.02.2005	29 of 2009	AICPMIP, RRS, NARP, Aurangabad	Maharashtra	75-80 days, medium tall, light pink nodes, bold grains, bred from 8 inbred lines	48	77	2518	58	-	-
51	CoCu 9	S.O. 1177 (E)	28.08.2005	57 of 2009	AICPMIP, TNAU, Coimbatore	Rainfed/irrigated conditions in Tamil Nadu	80-85 days, tall, semi-compact to compact, candle/cylindrical shaped earheads, grey grains with yellow base.	53	83	2354	60	-	-
50	CZP 9802	S.O. 283(E)	12.03.2003	56 of 2009	CAZRI, Jodhpur	Dry areas of Rajasthan, Gujarat and Haryana (Zone A1)	70-72 days, medium tall, good tillering, thin stem, narrow leaves, thin candle-shaped earheads, yellowish grains of medium size, drought tolerant, very high stover of good quality	49	76	1303	33	-	-
49	HC 20	S.O. 937(E)	04.09.2002	58 of 2009	AICPMIP, CCS HAU, Hisar	Haryana	80-83 days, tall, compact thick cylindrical earheads, yellow anthers, obovate grey grains, developed from S1 progenies derived from a gene pool selected for drought tolerance	51	80	2241	61	-	-
48	JBV 3 (GICKV 96752)	S.O. 92 (E)	02.02.2001	161 of 2009	AICPMIP, Gwalior and ICRISAT, Hyderabad	Rajasthan, Haryana, MP, Gujarat, UP, New Delhi	82 days, tall, long compact cylindrical earheads, yellow anthers, obovate grey grains, developed from cycle 3 of SRC II	50	80	2360	72	-	-

47	Pusa Composite 383	S.O. 1134(E)	15.11.2001	61 of 2009	IARI, New Delhi	Rajasthan, Haryana, MP, Gujarat, UP, New Delhi	82 days, tall, thick stems and panicles, resistant to lodging and downy mildew	48	77	2168	57	-	-
46	AIMP 92901 (Samrudhi)	S.O. 1134 (E)	15.11.2001	62 of 2009	AICPMIP, RRS, NARP, Aurangabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	80 days, medium height, cylindrical compact earheads slightly tapering towards tip, bold deep grey grains	50	84	1863	37	-	-
45	HC 10	S.O. 340(E)	03.04.2000	74 of 2009	AICPMIP, CCS HAU, Hisar	Haryana	75-80 days, tall, medium thick semi- compact earheads, purple anthers, obovate grey brown grains, a dual-purpose variety developed from high yielding, early flowering and drought tolerant NELC	46	79	2231	79	-	-
44	JBV-2	S.O. 425(E)	08.06.1999	63 of 2009	AICPMIP, COA, Gwalior and ICRISAT, Hyderabad	Zone A	79 days, tall, compact cylindrical earheads, yellow anthers, obovate brown grains, developed from early composite 91 (EC 91)	49	80	1840	48	-	-
43	Pusa Composite 334	S.O. 1050(E)	26.10.1999	196 of 2012	IARI, New Delhi	Zone A	75-80 days, tall, thick semi compact cylindrical earheads, obovate grey brown grains, developed from three selected lines and eight elite inbreds	48	78	2171	53	-	-
42	Pusa Bajri 266	S.O. 360 (E)	01.05.1997	65 of 2009	IARI, New Delhi	Zone A	80 days, tall, thick, semi compact, cylindrical ear head, yellow anthers, obovate grey brown grains, developed from nine lines	47	77	2216	53	-	-
41	CZP -1C 923	S.O. 360 (E)	01.05.1997	-	CAZRI, Jodhpur and ICRISAT, Hyderabad	Zone A	72-80 days, tall, thick stem, long oblongeolate thick panicle, light yellow to brown anthers and light grey seed with yellow base.	49	79	1816	44	-	-
40	Anantas (APS-I)	S.O. 662(E)	17.09.1997	-	AICPMIP, Anantapur	A.P.	85 days, medium tall, long cylindrical earheads, light grey grains	49	81	2927	46	-	-
39	ICMV 221	S.O. 615 (E)	17.08.1993	-	ICRISAT, Hyderabad	All India	75-80 days, medium tall, thick lanceolate semi-compact earheads, purple anthers, globular dark grey grains, bred from C3 cycle of the bold seeded early composite (BSEC)	44	75	2077	41	-	-

38	Raj 171	S.O. 814 (E)	04.11.1992	-	AICPMIP, ARS, Durgapura, Jaipur and ICRISAT, Hyderabad	All India	82-85 days, tall, medium thick stem, long cylindrical semi compact to compact earheads, obovate grey brown grains, resistance to downy mildew, bred from inter varietal composite	54	83	1934	64	-	-
37	ICMV155	S.O. 527 (E)	16.08.1991	-	ICRISAT, Hyderabad	Zone B	85-89 days, tall, thick semi-compact to compact cylindrical ear head, yellow anthers, obovate, grey grains, dual-purpose variety bred from 59 plants of NELC C4 selected at patancheru.	55	84	2096	68	-	-
36	Raj Bajra Chari-2	S.O. 386 (E)	15.05.1990	-	Jobner	All India	85-90 days, tall, broad and succulent leaves, good quality green fodder, suitable for saline soils	60	-	-	-	-	-
35	Pusa safed	S.O. 280 (E)	13.04.1989	-	IARI, New Delhi	Zone A	83-87 days, medium tall, semi-compact earheads, yellow anther, yellowish white grains of medium size	54	90	1872	52	-	-
34	ICTP 8203	S.O. 1135(E)	01.02.1988	-	ICRISAT, Hyderabad	Maharashtra, AP, Punjab	81-85 days, medium tall, semi-compact to compact lanceolate earheads, variable glume and anther color, bold globular shining grey grains, bred from 5 selected progenies of a landraces from togo	52	83	1608	46	-	-
33	Sangam (RHR 1)	S.O. 258(E)	14.05.1986	-	AICPMIP, MPKV, Rahuri	Rainfed areas of Maharashtra	82-87 days, tall compact earheads, good fodder quality	53	85	2075	41	-	-
32	PCB 15 (PSB 15)	S.O. 258(E)	14.05.1986	-	AICPMIP, PAU, Ludhiana	Punjab	83-87 days, tall, thick stem, broad leaves, developed by inter-mating half-sib progenies of elite genotypes	57	83	1737	54	-	-
31	Co 7	S.O. 887(E)	26.11.1986	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	95-100 days, tall, spindle conical and cylindrical earheads, developed from a cross (Co 6 x BK 560) x PT 1921	68	95	2500	88	-	-
30	Co 6	S.O. 257(E)	26.11.1986	-	AICPMIP, TNAU, Coimbatore	Rainfed areas of Tamil Nadu	95-100 days, tall, medium thick stems, yellowish green leaves, long conical earheads, African selection from cultivar MS 7625	68	97	2000	43	-	-

29	HC 4	S.O. 295 (E)	09.04.1985	-	AICPMIP, CCS HAU, Hisar	All India	82-86 days, tall, medium broad leaves, medium thick stem, resistant to downy mildew, high fodder yield, developed by eight component lines of World Composite	51	82	1829	63	-	-
28	ICMS 7703	S.O. 832(E)	18.11.1985	-	ICRISAT, Hyderabad	All India	85-90 days, medium tall with 3-5 tillers, compact cylindrical earheads, short and straw coloured glumes, bred by crossing inbred lines derived from seven crosses	52	83	1909	61	-	-
27	RCB 2	S.O. 832(E)	18.11.1985	-	AICPMIP, Jobner	Rajasthan	80-85 days, tall plants with 4-6 tillers, broad and glabrous leaves, long compact and cylindrical earheads, yellowish grey grains, developed from 20 inbreds of diverse origin	52	85	1059	86	-	-
26	Co 5 (Kullan Cumbu)	S.O. 2 (E)	03.01.1983	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	80 days, medium tall, cylindrical to spindle shaped compact earheads, suitable for both rainfed and irrigated areas, selection from Kullan Cumbu cultivar	-	-	-	-	-	-
25	PSB 8	S.O. 19 (E)	14.01.1982	-	AICPMIP, Ludhiana	Punjab	82-85 days, tall, long, none-bristles earheads tapering towards tip, light slate color grains, developed by chain crossing among early to medium maturity and tall inbred lines	-	-	-	-	-	-
24	WCC75	S.O. 371(E)	29.05.1982	-	ICRISAT, Hyderabad	All India except Rajasthan and Punjab	82-85 days tall, thick and dense panicles, developed crossing seven full-sib progenies of World Composite	-	-	-	-	-	-
23	AMP 2	-	1981	-	AICPMIP, RRS, NARP, Aurangabad	Marathwada area of Maharashtra	85 days, tall, medium thick stems, dual propose variety	-	-	-	-	-	-
22	HS 1	S.O. 13(E)	19.12.1978	-	AICPMIP, CCS HAU, Hisar	Haryana	75-80 days, tall, solid and juicy stem, compact medium long bristled earheads, tolerant to lodging and drought	-	-	-	-	-	-
21	K 3	-	1977	-	-	Tamil Nadu	85-90 days, medium tall, juicy and solid stem, nodal tillering, cylindrical compact long earheads, slate grey grains, selection from S 10	-	-	-	-	-	-

20	K 2	-	1977	-	-	Tamil Nadu	85-90 days, dwarf, good tillering, juicy and solid stem, cylindrical compact and non-bristled earheads	-	-	-	-	-	-
19	Nagarjuna	S.O. 13 (E)	19.12.1978	-	-	Low rainfall areas of Andhra Pradesh	75-80 days, tall, good tillering, semi-compact earheads, developed from 20 elite lines of African and Indian origin	-	-	-	-	-	-
18	Visaka	S.O. 13 (E)	19.12.1978	-	-	Andhra Pradesh	75-80 days, tall, dark green foliage, cylindrical and compact earheads, light grey grains	-	-	-	-	-	-
17	Balaji	S.O.13 (E)	19.12.1978	-	-	Andhra Pradesh	75-80 days, medium tall, dark green foliage, long cylindrical earheads, bold light grey grains	-	-	-	-	-	-
16	S 530	S.O.361 (E) and S.O.786(E)	30.06.1973 and 02.02.1976	-	-	Punjab	85 days, tall, semi-compact medium long earheads, a derivative of Indian x African cross	-	-	-	-	-	-
15	New Vijay	-	1975	-	-	Andhra Pradesh	80-85 days, tall, good tillering, developed by half-sib and mass selection	-	-	-	-	-	-
14	Vijay	S.O. 440 (E)	21.08.1975	-	-	Andhra Pradesh	85-90 days, tall, pigmented nodes, long compact cylindrical earheads, bold grains, a composite variety from Senegal selection	-	-	-	-	-	-
13	Pusa Moti	S.O. 361 (E)	30.06.1973	-	IARI, New Delhi	Maharashtra, Punjab, Haryana	90-95 days, medium tall, bold grains, downy mildew tolerant	-	-	-	-	-	-
12	RSJ	-	1956	-	-	Alwar, Sikar, Jhunjhunu areas of Rajasthan	80-90 days, tall, poor tillering, long cylindrical compact earheads, a selection from local material	-	-	-	-	-	-
11	RSK	-	1956	-	-	Jaipur, Ajmer, Bharatpur and Swai Madhopur areas of Rajasthan	90-95 days, medium tall, medium thick long earheads, developed from local material	-	-	-	-	-	-
10	Co 4	-	1953	-	-	Tamil Nadu	80 days, medium tall, medium long cylindrical earheads, suitable for both rainfed and irrigated areas, selected from Bombay cultivar	-	-	-	-	-	-
9	T 55	S.O. 361 (E)	30.06.1973	-	-	Drought prone areas of Haryana and Punjab	85-90 days, medium tall, thin stems, compact earheads, grey grains	-	-	-	-	-	-

8	Jakharana	-	1950	-	-	Central and eastern part of Rajasthan	80-85 days, tall, exceptionally long earheads slightly curved at the tip, a dual-purpose variety	-	-	-	-	-	-
7	A1/3	S.O. 361 (E)	30.06.1973	-	-	Irrigated areas of Punjab	85-90 days, tall, dense earheads with fairly bold and round grey grains	-	-	-	-	-	-
6	Co 3 (Koltapuali Cumbu)	-	1942	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	80 days, medium tall, compact earheads, suited to rainfed areas, drought tolerant	-	-	-	-	-	-
5	Co 2	-	1940	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	90 days, tall, long cylindrical earheads, suited to rainfed conditions, drought tolerant, selection from Bombay cultivar	-	-	-	-	-	-
4	Co 1 (Whip Cumbu)	-	1939	-	AICPMIP, TNAU, Coimbatore	Tamil Nadu	90 days, tall, long cylindrical compact earheads, suitable for rainfed and irrigated conditions, developed from Nigerian material	-	-	-	-	-	-
3	N 28 -15-1	-	1934	-	-	Nasik, Pune, Ahmednager and Dhulia areas of Maharashtra	80-85 days, medium tall, bold grains	-	-	-	-	-	-
2	Kopar Gaon local	-	1934	-	-	Ahmednager area of Maharashtra	80-85 days, tall, tolerant to downy mildew	-	-	-	-	-	-
1	Avsari	-	1934	-	-	Maharashtra	80-85 days, medium tall, medium bold grains	-	-	-	-	-	-