

Table 1: Parentage, notification details, adaptation niches, maturity group/duration and major salient features of pearl millet hybrids developed in India since 1959

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
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
BHB-1202 (Bikaner Hybrid Bajra1202) (MH 1831)	ICMA 843-22 x BIB-22	S.O 1379(E)	27/03/2018	-	ICAR-AICRP-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
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
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

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-PM, SKNAU, 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
HHB 299 (MH 2076)	ICMA 04888 x H 13/0001	S.O 1379(E)	27/03/2018	-	CCS HAU, Jodhpur	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
PB 1705 (MH 2008)	PSP 83 x PP 78	S.O 1379(E)	27/03/2018	-	Bayer BioScience 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
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
NBH 4903 (Balwan) (MH 2035)	NB 105A x NB 98R	S.O 399(E)	24/01/2018	-	Nuziveedu Seeds Ltd, TS	Maharashtra, Karnataka, Andhra Pradesh, Telangana 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
Mahabeej-1005 (MH 1852)	MBJ-2A x MBJ-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

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
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
KBH 3940 (MH 1984)	KBMS 61 x KBR 986	S. O. 3540 (E)	24.11.2016	-	Kaveri Seed Co. Ltd., Secundrabad	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
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
Nandi-75 (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

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
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
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
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
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
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

HHB 272 (MH 1837)	HMS 47A x AC 04/13	S. O. 2238 (E)	29.06.2016	-	AICRP-Peal 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.
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
PHB 2884	ICMA 22777 x PIB 686	S. O. 112 (E)	12.01.2016	-	AICRP-Peal Millet, PAU, Ludhiana	Punjab	Late maturing, tall plant height, lanceolate ears heads, grey seeds
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
86M88 (MH 1816)	M162F x M164R	S. O. 1228 (E)	7.05.2015	-	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
86M01 (MH 1790)	M096F x M149R	S. O. 1228 (E)	7.05.2015	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
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

NBH 5061 (MH 1812)	NB 66A x NB 98R	S. O. 1919 (E)	30.07.2014	-	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
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
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
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.
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
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

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
Kaveri Super Boss (MH 1553)	KBMS 329 x KBR 621	S. O. 2125 (E)	10.09.2012	-	Kaveri Seed Co. Ltd., Secundrabad	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturing, tall height, long compact cylindrical earheads, purple anther colour, globular grey coloured seed
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
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 and MP Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturing, cylindrical compact earheads, yellow anther colour, globular grey seed and tolerant to downy mildew
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.
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.
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

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
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
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 and MP Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturing, Medium to tall plant height, conical very compact earheads, purple anther colour, grey hexagonal seeds
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
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
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

PAC 909 (MH 1435)	110057 x 130453	S.O. 2326 (E)	10.10.2011	-	Advanta India Ltd., Secundrabad	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
HHB-226 (MH 1479)	ICMA 843-22 x HBL-11	S.O. 632 (E)	25.3.2011	-	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
RHB-177 (MH-1486)	ICMA 843-22 x RIB 494	S.O. 632 (E)	25.3.2011	-	AICPMIP, SKRAU, Jaipur	Western Rajasthan and drier part of Gujarat and Haryana	Early maturing, medium tall, cylindrical bristled earheads, resistant to downy mildew, light yellow anthers
RHB-173 (MH-1446)	ICMA 93333 x RIB 192 S/99	S.O. 632 (E)	25.3.2011	-	AICPMIP, SKRAU, Jaipur	Rajasthan, Gujarat, Haryana, Punjab, Delhi, UP and MP	Medium maturity, medium to tall plant height, compact cylindrical ear heads, resistant to downy mildew
86M64 (MH 1540)	M096F x M 117R	S.O. 283 (E)	7.2.2011	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
86M53 (MH 1541)	M096F x M 119R	S.O. 283 (E)	7.2.2011	-	Pioneer Overseas Corp.	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturing, conical compact earheads, obovate grey bold seeds, resistant to downy mildew
86M64 (MSH 203)	M096F x M 117R	S.O. 283 (E)	7.2.2011	11 of 2012	Pioneer Overseas Corp., Hyderabad	Summer growing areas of Gujarat Maharashtr, Rajasthan and Tamil Nadu	Late maturing, conical compact earheads, obovate light grey bold seeds, resistant to downy mildew

RHRBH 9808	RHRB 13A x RHRBI 1314	S.O.2137 (E)	31.8.2010	243 of 2015	AICPMIP MPKV, Dhule	Maharashtra	Medium maturing, medium tall plant height, dark green leaves, cylindrical earheads, yellow anthers
Nandi 65 (MH 1549)	NMS 24A x NMP 75	S.O.2137 (E)	31.8.2010	-	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
Nandi 61 (MH 1548)	NMS 24A x NMP 64	S.O.2137 (E)	31.8.2010	-	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
HHB 223 (MH 1468)	ICMA 94555 x HBL 11	S.O.211 (E)	29.1.2010	-	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
HHB 216 (MH 1421)	HMS 37A x HTP 3/13	S.O.211 (E)	29.1.2010	-	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
Nandi 64 (MSH 199)	NMS 2-11A x NMP 4-1	S.O.211 (E)	29.1.2010	-	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
RHB 154	ICMA 95444 x RIB 57 S/05	S.O.2187 (E)	27.8.2009	-	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
JKBH 676	JKMS 20A x JKR 6136	S.O.2187 (E)	27.8.2009	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

GK 1051	PM 678A-II x PM 1081 R-I	S.O. 454 (E)	11.02.09	-	Ganga Kaveri Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Medium maturity, medium tall, cylindrical shaped earheads with pearly grey grain
B 2095 (MH 1257)	B 0009A x B 5220R	S.O. 449 (E)	11.02.09	-	Zurari Seeds Ltd Bangalore	Rajasthan, Gujarat, New Delhi, UP and MP	Medium maturity, medium tall, compact candle panicles, globular grey grains
PB 727 (Proagro 9555)	PSP 51 x PP 38	S.O. 1108 (E)	8.05.08	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
PHB 2168	ICMA 92333 x PIB 686	S.O. 72 (E)	10.01.08	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
HHB 197	ICMA 97111 x HBL 11	S.O. 72 (E)	10.01.08	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
GHB 732	ICMA 96222 x J 2340	S.O. 72 (E)	10.01.08	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
GHB 744	ICMA 98444 x J 2340	S.O. 72 (E)	10.01.08	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

GHB 757	ICMA 92777 x J 2467	S.O. 72 (E)	10.01.08	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
GHB 719	ICMA 95222 x J 2454	S.O. 122 (E)	06.02.07	27 of 2009	AICPMIP MRS Jamnagar	Rajasthan, Haryana and Gujarat	70-75 days maturity, fully exserted conical shaped, compact and bristled earheads, globular, medium in size, grey coloured grains, tolerant to drought.
NMH 68 (Nandi 62)	ICMA 97444 x NMP 48	S.O. 1703 (E)	5.10.07	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
B 2301	B 0009A x B 5103R	S.O. 1703 (E)	5.10.07	-	Zuari Seeds Ltd. Bangalore	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Late maturity, medium tall, compact spindle shaped earheads, globular grey bold grains
GHB 538	ICMA 95444 x J 2340	S.O. 1177 (E)	25.08.05	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
HHB 67 Improved	ICMA 843-22 x H 77/833-2- 202	S.O. 1566 (E)	05.11.05	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.

GHB 577	JMS A 101 x J 2405	S.O. 161 (E)	4.02.04	-	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
PB 180 (Proagro 9444)	PSP 41 x PP 29	S.O. 161 (E)	4.02.04	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
HHB 117	HMS 7 A x H77/29-2	S.O. 161 (E)	4.02.04	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
HHB 146	ICMA 95222 x HTP 94 / 54	S.O. 283 (E)	12.03.03	43 of 2012	AICPMIP CCS HAU Hisar and ICRISAT	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
GHB 558	ICMA 94555 x J 2290	S.O. 283 (E)	12.03.03	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
GHB 526	ICMA 95222 x J 2372	S.O. 283 (E)	12.03.03	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

PB 172	PSP 35 x PP 27	S.O. 283 (E)	12.03.03	-	Pro Agro, Hyderabad	Summer cultivation areas of Gujarat	84 days, medium tall, good nodes, compact candle shaped earheads, yellow anthers, globular grey grains
7688	PH 03 x PH 05	S.O. 92 (E)	2.02.01	-	Pioneer, Hyderabad	All India	78-80 days, tall, hairy green internodes, light purple anthers, compact cylindrical earheads, grey grains
PB 106 (ProAgro 9443)	PSP 41 x PP 6	S.O. 92 (E)	2.02.01	-	ProAgro, Hyderabad	All India	76-80 days, tall, basal pigmentation purple, purple anthers, conical semi- compact earheads with tan bristles, medium grey grains
PB 112 (ProAgro 9445)	PSP 35 x PP 1	S.O. 1134 (E)	15.11.01	-	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
RHB 121	ICMA 89111 x RIB 3135-18	S.O. 1134 (E)	15.11.01	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
Nandi 35	NMS 11A x NMP 42	S.O. 1134 (E)	15.11.01	114 of 2009	New Nandi Ahmedabad	Maharashtra, Karnataka, AP, TN	80 days, tall, cylindrical earheads, non-pigmented nodes and medium size grey grains
CoHCu 8	732 A x PT 4450	S.O. 1134 (E)	15.11.01	60 of 2009	AICPMIP TNAU Coimbtore	Tamil Nadu	80-85 days, tall, conical earheads, obovate grey brown grains
HHB 94	ICMA 89111 x G73 - 107	S.O. 340 (E)	3.04.2000	-	AICPMIP CCS HAU Hisar	Haryana	73-76 days, medium tall, synchronous tillering, semi- compact cylindrical earheads, yellow anthers, obovate grey grains

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
Pusa 605	841A x PPMI 69	S.O. 425 (E)	8.06.99	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
Nandi 8	NMS 5A x NMP 23	S.O. 425 (E)	8.06.99	115 of 2009	New Nandi Ahmedabad	Rajasthan, Haryana, Gujarat, UP	80 days, medium tall, long cylindrical earheads, medium bold cream yellow grains
Nandi 32	NMS 7A x NMP 24	S.O. 1050 (E)	26.10.99	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
Pusa 415	576A x PPMI 301	S.O. 1050 (E)	26.10.99	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
MLBH 504	36 A x MI- 6 7	S.O. 1050 (E)	26.10.99	-	Mahendra	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	78-82 days, medium tall, semi-compact to compact earheads, bold grey grains, a dual-purpose hybrids
GK 1004	GKPM 1A x GKPM 59R	S.O. 401 (E)	15.05.98	-	Ganga Kaveri Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	85 days, medium tall, semi- compact medium long earheads, grey grains
7686	PH 01 x PH 03	S.O. 401 (E)	15.05.98	-	Pioneer Hyderabad	Rajasthan, Haryana, UP, Gujarat, MP	80-85 days, tall, purple nodes, compact cylindrical earheads, purple anthers, grey grains, lodging resistant
PAC 903 (ICI 903)	-	S.O. 401 (E)	15.05.98	-	ProAgro Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	85 days, medium tall, medium long earheads

ProAgro 1 (FMH 3)	PSP 21 x PP 23	S.O. 401 (E)	15.05.98	-	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
RHRBH 8924 (Saburi)	RHRB 5A x RHRBI 458	S.O. 360 (E)	1.05.97	-	AICPMIP MPKV Rahuri	Maharashtra, Karnataka, Gujarat, TN	80 days, medium tall, thick semi- compact lanceolate earheads, yellow anthers, brown bristles, obovate deep grey grains
GHB 183	81 A x J998	S.O. 360 (E)	1.05.97	-	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
MLBH 285	11A x MI - 51	S.O. 360 (E)	1.05.97	-	Mahendra Seeds	Rajasthan, Haryana, MP, Gujarat	75-80 days, medium tall, compact earheads filled with bold grey grains
Nandi 30	NMS 3A x NMP 13	S.O. 360 (E)	1.05.97	116 of 2009	New Nandi Ahmedabad	Marashtra, AP, Karnataka, TN	86 days, medium tall, cylindrical medium thick earheads, light purplish grains
X6	732A x PT 3095	S.O. 360 (E)	1.05.97	64 of 2009	AICPMIP TNAU Coimbtore	Tamil Nadu	95-100 days, medium tall, spindle to conical earheads, dark green foliage
RBH 30	843A x RIB 335 / 74	S.O. 360 (E)	1.05.97	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
X 7 (Cumbu 7)	Pb 111A x PT 1890	S.O. 647 (E)	9.09.97	75 of 2009	AICPMIP TNAU Coimbtore	Tamil Nadu	90 days, tall, loose cylindrical earheads, yellow anthers, obovate grey grains

JKBH 26	JKMS 2A x JKR 497	S.O. 662 (E)	17.09.97	1 of 2009	JK Agri genetics Hyderabad	Rajasthan, Haryana, MP, UP, Delhi	85 days, medium tall, purple pigmented nodes, conical earheads, grey grains
GHB 316	405 A x J2290	S.O. 662 (E)	17.09.97	-	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
MLBH 267	3A x 153	S.O. 1 (E)	1.01.96	-	Mahendra Seeds	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	75-80 days, medium tall, compact earheads filled with bold grey grains
JBH 1	81 A x ICMR 501	1996	15-7-96 released by M.P.	-	AICPMIP COA Gwalior and ICRISAT	MP, UP	83 days, tall, non-bristled candle shaped earheads, light green glumes, medium grey and obovate grains, top cross hybrid
PABH 3	PAMS 1A x Zim - 1	-	-	-	AICPMIP RRS NARP Aurangabad	Marathwada area of Maharashtra	85 days, medium tall, resistant to downy mildew
Pusa 444	189 A x PPMI 301	S.O. 408 (E)	4.05.95	-	IARI, New Delhi	All India	85 days, medium tall, thick semi-compact cylindrical earheads, purple anthers, globular yellow brown grains
RHB 58	81 A x RIB 20K-86	S.O. 408 (E)	4.05.95	-	AICPMIP ARS Durgapura, Jaipur	All India	85 days, medium tall, compact conical earheads, purple anthers, obovate yellow brown grains
RHRBH 8609 (Shardha)	RHRBH 1A x RHRBI 138	S.O. 638 (E)	2.09.94	66 of 2009	AICPMIP MPKV, Rahuri	Maharashtra	80 days, medium tall, semi- compact candle earheads, yellow anthers, purple bristles, globular deep grey grains
GHB 15	5054A x J 108	S.O. 636 (E)	2.09.94	-	AICPMIP MRS Jamnagar	Gujarat	84 days, medium tall, high tillering, narrow leaves, long dense earheads, brownish grey seeds

GHB 235	81 A x J 2296	S.O. 636 (E)	2.09.94	-	AICPMIP MRS Jamnagar	Gujarat	80 days, medium tall, compact conical earheads, purple anthers, globular grey grains
AHB 251 (Devgiri)	81A x AIB 16	S.O. 636 (E)	2.09.94	-	AICPMIP RRS NARP Aurangabad	Marathwada area of Maharashtra	82-85 days, medium tall, bulging nodes, non-hairy leaves, cylindrical earheads, bold state whitish grains
MBH 160	MMS – 9 x PI 21	1993	13-1-93	-	Mahyco Jalana	All India	80 days, medium tall, high tillering, semi-compact bristled earheads, bold grains
HHB 68	842 A x H77 / 833-2	S.O. 615 (E)	17.08.93	-	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
Pusa 322 (MH 322)	841A x PPMI 301	S.O. 615 (E)	17.08.93	-	IARI New Delhi	All India	80 days, medium tall, thick cylindrical semi-compact earheads with sterile tip, globular grey brown grains
ICMH 312	81A x ICMR 312	S.O. 615 (E)	17.08.93	-	ICRISAT Hyderabad	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	85 days, medium tall, long semi-compact conical earheads, yellow to purple anthers, globular grey grains
ICMH 356	ICMA 88004 x ICMR 356	S.O. 615 (E)	17.08.93	-	ICRISAT Hyderabad	All India	75-80 days, medium tall, semi-compact thick conical earheads, yellow anthers, obovate bold yellow brown grains

Eknath 301	NBMS 13A x NB 37	S.O. 793 (E)	22.11.91	-	Nath Seeds Aurangabad	All India	80-85 days, medium tall, non-pubescent internodes, good tillering, ligules light red coloured, yellow anthers, long bristles, creamy grey grains
MLBH 104	53A x MI 13	S.O. 793 (E)	22.11.91	-	Mahendra Seeds	All India	80 days, medium tall, pubescent ligules, fully exerted earheads, anthers light pink, globular smooth grey grains
HHB 67	843A x H77/833 - 2	S.O. 386 (E)	15.05.90	-	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- and multiple-cropping
VBH 4	VBMS 1A x VBR 19	S.O. 639 (E)	17.08.90	-	Vijay Seeds Jalana	All India	80 days, medium tall, good tillering, compact non-bristled earheads, medium bold grains
GHB 181	81A x J 2002	1989	-	-	AICPMIP MRS Jamnagar	-	85 days, tall, thick stems, hairy nodes, long thick earheads with tip sterility
MBH 136	MS 2 A x PL No. 6	S.O. 280 (E)	13.04.89	-	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

ICMH 423	841A x ICMP423	S.O. 10 (E)	1.01.88	-	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
HHB 50	81A x H 90/4-5	S.O. 165 (E) S.O. 10 (E)	6.03.87 1.01.88	-	AICPMIP CCS HAU Hisar	Haryana, TN, Gujarat	76-80 days, medium and thick stem, long dense pointed earheads, medium bold grains
HHB 60	81A x H77/833 - 2	S.O. 1135 (E)	1.12.88	-	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
GHB 30	5054 A x J 2002	S.O. 165 (E)	6.03.87	-	AICPMIP MRS Jamnagar	Gujarat	80 days, medium tall, thin stem, compact earheads
Pusa 23 (MH 169)	84 1A x D 23	S.O. 834 (E)	18.09.87	-	IARI New Delhi	All India	82 days, medium tall, glabrous leaves, yellow anthers, compact cylindrical earheads, light grey obovate grains
MBH 130	MS 2 A x PL No. 4	S.O. 165 (E)	6.03.86	-	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
MH 179 (ICMH 451)	81A x ICMP 451	S.O. 258 (E)	14.05.86	-	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

MH 180	834A x ICMP 501	S.O. 258 (E)	14.05.86	-	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
MH 182	732A x PNBM 83099	S.O. 258 (E)	14.05.86	-	AICPMIP Pune, Coimbtore	All India	85 days, medium tall, 2-5 tillers per plant, medium long earheads filled with light grey grains
GHB 32	5141A x J1188	1983	27.03.85	-	AICPMIP MRS Jamnagar	Gujarat	79 days, medium tall, medium thick stem, profuse tillering, nodal pigmentation, long cylindrical earheads, elongated grains
MBH 118	2 A x Pollinator No. 3	S.O. 295 (E)	9.04.85	-	Mahyco Jalana	All India (rainfed)	78-83 days, medium tall, long conical earheads with bristles, bold grains
X 5 (UCH 9)	PB 111A x PT 1921	S.O. 295 (E)	9.04.85	-	AICPMIP TNAU Coimbtore	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
HHB 45	5141A x H 90/4 -5	S.O. 540 (E)	24.07.85	-	AICPMIP CCS HAU Hisar	Haryana	82-85 days, Medium tall, remains green till harvest, suitable for both early and late sown conditions
PHB 47	PB111A x PIB 1234	S.O. 832 (E)	18.11.85		AICPMIP PAU Ludhiana	Punjab and TN	85 days, tall, thick sturdy stem, long thick earheads with profuse gristles, remains green till harvest

Pusa 46 (CM 46)	5054 A x M 46	S.O. 2 (E)	3.01.83		IARI New Delhi	All India	75-78 days, tall, thin stem, 4-6 tillers, narrow hairy leaves, spindle shaped earheads
MBH 110	MS 2 x Pollinator No. 2	S.O. 2 (E)	3.01.83		Mahyco Jalana	All India	85-87 days, medium tall, loose and thick conical earheads with long bristles, bold grey shining grains
GHB 27	5141A x J 2002	S.O. 499 (E)	8.07.83		AICPMIP MRS Jamnagar	Gujarat	80-85 days, medium tall, nodal pigmentation, long and cylindrical earheads, bold grains
X 4	5141A x PT 1921	S.O. 19 (E)	14.01.82		AICPMIP TNAU Coimbtore	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
KBH 1	PB 111A x S 444	S.O. 19 (E)	14.01.82		AICPMIP TNAU Coimbtore	Tamil Nadu	85-90 days, tall, white mid rib, short bristles, grey grains
Pusa 763 (BD 763)	5141A x D 763	S.O. 371 (E)	29.05.82		IARI, New Delhi	All India	90-95 days, tall, thick stem, broad long leaves, rod shape earheads
BD 111	5141A x D 111	S.O. 470 (E)	19.02.80		IARI, New Delhi	AP, New Delhi, Haryana	85-90 days, tall, good tillering, small bristles, resistant to lodging
BJ 104	5141A x J104	S.O. 13 and S.O. 470 (E)	19.12.78 and 19.02.80		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

BK 560	5141A x K 560-230	S.O. 13 (E)	19.12.78		IARI New Delhi	All India	85-90 days, medium tall, good tillering, sturdy plants, green yellowish stems, rod shaped earheads, resistant to lodging
MBH 104	BMS 1 x BPL - 15	S.O. 13 (E)	19.12.78		Mahyco Jalana	All India (rain fed)	85-90 days, medium tall, dark green leaves, compact long cylindrical earheads, long tan bristles, medium bold grains
CJ 104	5054 A x J 104	S.O. 13	19.12.78		IARI New Delhi	Drought prone areas of Gujarat	75 days, medium tall, good basal tillering, pigmented nodes, non bristles cylindrical earheads
NHB 5	5071A x K 559-85	S.O. 786 (E)	2.02.76		IARI New Delhi	Rajasthan, UP, TN, AP, Maharashtra, Karnataka, Haryana	85 days, medium tall, thick stems, cylindrical earheads, medium bold light grey grains
PHB 14 (HB 7)	PB 111A x PIB 228	S.O. 786 (E)	2.02.76 Denotified on 17.07.97		AICPMIP PAU Ludhiana	All India	87 days, tall, thick stem, long bristles era heads, broad leaves
PHB10 (HB 6)	PB 111A x PIB 155	S.O. 786 (E)	2.02.76 Denotified on 17.07.97		AICPMIP PAU Ludhiana	All India	88 days, tall, thick stems, broad leaves, long bristles, slow senescence
NHB 3	5071A x J 104	1975	-		IARI New Delhi	Gujarat	70-75 days, medium tall, light green foliage, cylindrical earheads with tapering tips
GHB 1399	126 D2A x J1399	1975	-		AICPMIP MRS Jamnagar	Gujarat	85-90 days, dwarf, good tillering, dark green foliage, long cylindrical earheads
NHB 4	5071A x K 560-230	1975	-		IARI New Delhi	All India	85 days, medium tall, cylindrical era heads with tapering tips

HB 3	Tift 23A x J 104	S.O. 4045 and 5505 (E)	24.09.69 and 20.10.71		AICPMIP MRS Jamnagar	Dry areas of Maharashtra, Gujarat, Rajasthan and Haryana	80-85 days, medium tall, profuse tillering, pigmented nodes, glabrous leaves, conical earheads
HB 1	Tift 23A x Bil 3B	S.O. 4045 and S.O. 716	24.09.69 20.02.70 Denotified on 19.12.78		AICPMIP PAU Ludhiana	Assured rainfall areas across India	80-85 days, medium tall, profuse tillering, succulent stem, green ligules, long earheads, slow senescence
HB 4	Tift 23A x K 560	S.O. 4045 and 716 (E)	24.09.69 and 20.02.70		AICPMIP Kanpur	All India (except Punjab)	85-90 days medium tall, profuse tillering, rod - shape earheads, greenish yellow grains
HB 5	Tift 23A x K 559	1969	-		AICPMIP Kanpur	All India	78-85 days, medium tall, cylindrical earheads with tapering towards tips
HB 2	Tift 23A x J 88	S.O. 4045	24.09.69		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
X 3	PT 826 / 7 x PT 829 / 8	1957	-		AICPMIP TNAU Coimbtore	Tamil Nadu	80-85 days, tall, green pigmentation at nodes, conical earheads, bold grains
X 2	PT 411 x PT422	1950	-		AICPMIP TNAU Coimbtore	Tamil Nadu	90 days, tall, purple pigmentation at the base of stem and basal internodes, long cylindrical compact earheads
X 1	PT 348 x PT 350	1950	-		AICPMIP TNAU Coimbtore	Tamil Nadu	95 days, tall, green with purple basal internodes, long cylindrical compact earheads

Table 2: Notification details, adaptation niches, maturity group/duration and major salient features of pearl millet open-pollinated varieties developed in India since 1934

Variety	Notification number	Notification date	Registration No. with PPV & FRA	Bred at	Area of adaptation	Maturity group and salient features
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
Pearl Millet CO 10 (MP 522) (UCC 32)	S. O. 2238 (E)	29.06.2016	-	AICRP-Peal Millet, TNAU, Coimbatore	Tamil Nadu	Medium maturing, compact spindle shape ear head, grey brown bold seed, resistant to downy mildew
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
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
Mandor Bajra Composite 2 (MBC 2) (MP 489)	S.O. 2326 (E)	10.10.2011	-	SKRAU, A.R.S Mandor, Jodhpur	Rajasthan, Harayana, Gujarat	Early maturing, medium height, medium long semi compact cylindrical earheads, obvate grey coloured seed
Pusa Composite 612 (MP 480)	S.O. 632 (E)	25.03.11	-	AICPMIP IARI, New Delhi	Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu	Medium maturity, medium to tall plant height, compact cylindrical earheads

Variety	Notification number	Notification date	Registration No. with PPV & FRA	Bred at	Area of adaptation	Maturity group and salient features
Pusa Composite 443 (MP 443)	S.O. 449 (E)	11.02.09	99 of 2011	AICPMIP IARI, New Delhi	Rajasthan, Harayana, Gujarat	Early maturity, medium tall, rod shaped earheads with bold grain
PCB 164	S.O. 1178 (E)	20.07.07	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
JBV 4 (MP 403)	S.O. 1178 (E)	20.07.07	-	AICPMIP COA Gwalior	MP	Mature in 75 days, medium tall, thick stemmed. Plants with many leaves, slate grey seeds.
PPC-6 (Parbhani Sampada)	S.O. 122 (E)	02.02.05	29 of 2009	AICPMIP RRS NARP Aurangabad	Maharashtra	75-80 days, medium tall, light pink nodes, bold grains, bred from 8 inbred lines
CoCu 9	S.O. 1177 (E)	28.08.05	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.
CZP 9802	S.O. 283(E)	12.03.03	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
HC 20	S.O. 937(E)	4.09.02	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
JBV 3 (GICKV 96752)	S.O. 92 (E)	2.02.01	161 of 2009	AICPMIP Gwalior and ICRISAT	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
Pusa Composite 383	S.O. 1134(E)	15.11.01	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

Variety	Notification number	Notification date	Registration No. with PPV & FRA	Bred at	Area of adaptation	Maturity group and salient features
AIMP 92901 (Samrudhi)	S.O. 1134 (E)	15.11.01	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
HC 10	S.O. 340(E)	3.04.2000	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
JBV-2	S.O. 425(E)	8.06.99	63 of 2009	AICPMIP COA Gwalior and ICRISAT	Zone A	79 days, tall, compact cylindrical earheads, yellow anthers, obovate brown grains, developed from Early Composite 91 (EC 91)
Pusa Composite 334	S.O. 1050(E)	26.10.99	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
Pusa Bajri 266	S.O. 360 (E)	1.05.97	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
CZP -1C 923	S.O. 360 (E)	1.05.97	-	CAZRI Jodhpur and ICRISAT	Zone A	72-80 days, tall, thick stem, long oblanceolate thick panicle, light yellow to brown anthers and light grey seed with yellow base.
Anantas (APS-I)	S.O. 662(E)	17.09.97	-	AICPMIP Anantapur	A.P.	85 days, medium tall, long cylindrical earheads, light grey grains
ICMV 221	S.O. 615 (E)	17.08.93	-	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)
Raj 171	S.O. 814 (E)	04.11.92	-	AICPMIP ARS Durgapura, Jaipur and ICRISAT	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

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ICMV 155	S.O. 527 (E)	16.08.91	-	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.
Raj Bajra Chari-2	S.O. 386 (E)	15.05.90	-	Jobner	All India	85-90 days, tall , broad and succulent leaves, good quality green fodder, suitable for saline soils
Pusa safed	S.O. 280 (E)	13.04.89	-	IARI, New Delhi	Zone A	83-87 days, medium tall, semi-compact earheads, yellow anther, yellowish white grains of medium size
ICTP 8203	S.O. 1135(E)	01.02.88	-	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
Sangam (RHR 1)	S.O. 258(E)	14.05.86	-	AICPMIP MPKV Rahuri	Rainfed areas of Maharashtra	82-87 days, tall compact earheads, good fodder quality
PCB 15 (PSB 15)	S.O. 258(E)	14.05.86	-	AICPMIP PAU Ludhiana	Punjab	83-87 days, tall, thick stem, broad leaves, developed by inter-mating half-sib progenies of elite genotypes
Co 7	S.O. 887(E)	26-11-86	-	AICPMIP TNAU Coimbtore	Tamil Nadu	95-100 days, tall, spindle conical and cylindrical earheads, developed from a cross (Co 6 x BK 560) x PT 1921
Co 6	S.O. 257(E)	26.11.86	-	AICPMIP TNAU Coimbtore	Rainfed areas of Tamil Nadu	95-100 days, tall, medium thick stems, yellowish green leaves, long conical earheads, African selection from cultivar MS 7625
HC 4	S.O. 295 (E)	09.04.85	-	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
ICMS 7703	S.O. 832(E)	18.11.85	-	ICRISAT Hyderabad	All India	85-90 days, medium tall with 3-5 tillers, compact cylindrical earheads, short and straw colored glumes, bred by crossing inbred lines derived from seven crosses

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RCB 2	S.O. 832(E)	18.11.85	-	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
Co 5 (Kullan Cumbu)	S.O. 2 (E)	3.01.83		AICPMIP TNAU Coimbtore	Tamil Nadu	80 days, medium tall, cylindrical to spindle shaped compact earheads, suitable for both rainfed and irrigated areas, selection from Kullan Cumbu cultivar
PSB 8	S.O. 19 (E)	14.01.82		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
WC-C75	S.O. 371(E)	29.05.82		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
AMP 2	1981	-		AICPMIP RRS NARP Aurangabad	Marathwada area of Maharashtra	85 days, tall, medium thick stems, dual propose variety
HS 1	S.O. 13(E)	19.12.78		AICPMIP CCS HAU Hisar	Haryana	75-80 days, tall, solid and juicy stem, compact medium long bristled earheads, tolerant to lodging and drought
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
K 2	1977	-		-	Tamil Nadu	85-90 days, dwarf, good tillering, juicy and solid stem, cylindrical compact and non-bristled earheads
Nagarjuna	S.O. 13	19.12.78		-	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

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Visaka	S.O. 13 (E)	19.12.78		-	Andhra Pradesh	75-80 days, tall, dark green foliage, cylindrical and compact earheads, light grey grains
Balaji	S.O.13 (E)	19.12.78		-	Andhra Pradesh	75-80 days, medium tall, dark green foliage, long cylindrical earheads, bold light grey grains
S 530	S.O. 361 (E) and 786	30.06.73 and 02.02.76		-	Punjab	85 days, tall, semi-compact medium long earheads, a derivative of Indian x African cross
New Vijay	1975	-		-	Andhra Pradesh	80-85 days, tall, good tillering, developed by half-sib and mass selection
Vijay	S.O. 440 (E)	21.08.75		-	Andhra Pradesh	85-90 days, tall, pigmented nodes, long compact cylindrical earheads, bold grains, a composite variety from Senegal selection
Pusa Moti	S.O. 361 (E)	30.06.73		IARI, New Delhi	Maharashtra, Punjab, Haryana	90-95 days, medium tall, bold grains, downy mildew tolerant
RSJ	1956	-		-	Alwar, Sikar, Jhunjhunu areas of Rajasthan	80-90 days, tall, poor tillering, long cylindrical compact earheads, a selection from local material
RSK	1956	-		-	Jaipur, Ajmer, Bharatpur and Swai Madhopur areas of Rajasthan	90-95 days, medium tall, medium thick long earheads, developed from local material
Co 4	1953	-		-	Tamil Nadu	80 days, medium tall, medium long cylindrical earheads, suitable for both rainfed and irrigated areas, selected from Bombay cultivar
T 55	S.O. 361 (E)	30.06.73		-	Drought prone areas of Haryana and Punjab	85-90 days, medium tall, thin stems, compact earheads, grey grains
Jakharana	1950	-		-	Central and	80-85 days, tall, exceptionally long earheads

Variety	Notification number	Notification date	Registration No. with PPV & FRA	Bred at	Area of adaptation	Maturity group and salient features
					eastern part of Rajasthan	slightly curved at the tip, a dual-purpose variety
A-1/3	S.O. 361 (E)	30.06.73		-	Irrigated areas of Punjab	85-90 days, tall, dense earheads with fairly bold and round grey grains
Co 3 (Koltapuali Cumbu)	1942	-		AICPMIP TNAU Coimbtore	Tamil Nadu	80 days, medium tall, compact earheads, suited to rainfed areas, drought tolerant
Co 2	1940	-		AICPMIP TNAU Coimbtore	Tamil Nadu	90 days, tall, long cylindrical earheads, suited to rainfed conditions, drought tolerant, selection from Bombay cultivar
Co 1 (Whip Cumbu)	1939	-		AICPMIP TNAU Coimbtore	Tamil Nadu	90 days, tall, long cylindrical compact earheads, suitable for rainfed and irrigated conditions, developed from Nigerian material
N 28-15-1	1934	-		-	Nasik, Pune, Ahmednager and Dhulia areas of Maharashtra	80-85 days, medium tall, bold grains
Kopar Gaon local	1934	-		-	Ahmednager area of Maharashtra	80-85 days, tall, tolerant to downy mildew
Avsari	1934	-		-	Maharashtra	80-85 days, medium tall, medium bold grains