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1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	CS 56 (CS 234-2)
3.	Nature of Cultivar (Variety / Hybrid / Composite / Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Derived from the cross RH 851 X Pusa bold
5.	Method of Breeding/Selection	Pedigree selection
6.	Method of Propagation- Self Pollinated / Cross pollinated / Vegetative / Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source / Institute	Central Soil Salinity Research Institute, Karnal (Haryana)
9.	Name of the persons associated in the development of cultivar	T.S. Sinha and P.C. Sharma
10.	Year of Identification with entry number allotted in All India Trial	2007, SAL 4 (CS 234-2)
11.	Year of Release/ Notification (If any)	2007/2008
12.	State whether Release was at Central or State level: Central / State	Central
13.	If by CVRC mention S.O. No. and date	2458 (E), 16.10.2008
14.	De-notification if any, with date	Not Applicable
15.	Recommended Region / Areas	Zone III (Eastern Rajasthan, Madhya Pradesh, Uttar Pradesh and Uttarakhand)
16.	Areas of Adoption (Regions where the cultivar was / is widely grown)	Not Available
17.	Cultivar descriptor	Plant height : 215-240 cm Maturity : 113-147 days Oil content : 35.1-39.6 % Seed size : 1.9-4.2 g
18.	Special Attributes, if any	Tolerance to salinity
19.	Potential Yield	1696 kg/ha
20.	Average Yield	1170-1423 kg/ha
21.	Additional Information, if any	Suitable for late sown conditions.
		
CS 56		

1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	NRCHB 101
3.	Nature of Cultivar (Variety / Hybrid / Composite / Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Derived from the cross BL 4 X Pusa Bold
5.	Method of Breeding/Selection	Pedigree selection
6.	Method of Propagation- Self Pollinated / Cross pollinated / Vegetative / Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source / Institute	National Research Centre on Rapeseed-Mustard (Directorate of Rapeseed-Mustard Research), Bharatpur (Rajasthan)
9.	Name of the persons associated in the development of cultivar	K.H. Singh, Arvind Kumar, J.S. Chauhan, A.K. Misra, V.V. Singh, S.S. Meena , K.K. Srivastava and M.L.Meena
10.	Year of Identification with entry number allotted in All India Trial	2008, NRCHB 101
11.	Year of Release/ Notification (If any)	2008/2009
12.	State whether Release was at Central or State level: Central / State	Central
13.	If by CVRC mention S.O. No. and date	454 (E), 11.02.2009
14.	De-notification if any, with date	Not Applicable
15.	Recommended Region / Areas	Zone III (Madhya Pradesh, Rajasthan, Uttarakhand and Uttar Pradesh)
16.	Areas of Adoption (Regions where the cultivar was / is widely grown)	Madhya Pradesh, Uttar Pradesh and Rajasthan
17.	Cultivar descriptor	Plant height : 170-200 cm Maturity : 105-135 days Oil content : 34.6- 42.1 % Seed size : 3.6-6.2 g
18.	Special Attributes, if any	Stable under timely and late sown conditions
19.	Potential Yield	1732 kg/ha (under late sown conditions)
20.	Average Yield	1382-1491 kg/ha
21.	Additional Information, if any	Suitable for late sown irrigated conditions
		
NRCHB 101		


1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	PBR 210
3.	Nature of Cultivar (Variety / Hybrid / Composite / Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Not Available
5.	Method of Breeding/Selection	Pedigree selection
6.	Method of Propagation- Self Pollinated / Cross pollinated / Vegetative / Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source / Institute	RRS, Bathinda (PAU-Ludhiana), Punjab
9.	Name of the persons associated in the development of cultivar	S.S. Dhillon, Kaur Singh, K.S. Brar, M.L. Gupta
10.	Year of Identification with entry number allotted in All India Trial	—, PBR 210
11.	Year of Release/ Notification (If any)	2003/2007
12.	State whether Release was at Central or State level: Central / State	State
13.	If by CVRC mention S.O. No. and date	122 (E), 06.02.2007
14.	De-notification if any, with date	Not Applicable
15.	Recommended Region / Areas	Punjab
16.	Areas of Adoption (Regions where the cultivar was / is widely grown)	Punjab
17.	Cultivar descriptor	Plant height : 163-180 cm Maturity : 150-151 days Oil content : 38-39 % Seed size : 4.6-4.7 g
18.	Special Attributes, if any	Early maturity in Punjab conditions
19.	Potential Yield	3337 kg/ha
20.	Average Yield	2080-2532 kg/ha
21.	Additional Information, if any	Nil

1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	Pusa Mustard 21 (LES 1-27)
3.	Nature of Cultivar (Variety / Hybrid / Composite / Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Derived from the cross Pusa Bold X ZEM 2
5.	Method of Breeding/Selection	Back crossing
6.	Method of Propagation- Self Pollinated / Cross pollinated / Vegetative / Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source / Institute	Indian Agricultural Research Institute, Pusa, New Delhi
9.	Name of the persons associated in the development of cultivar	R.S. Malik, Ritu Malik and Arvind Kumar
10.	Year of Identification with entry number allotted in All India Trial	—, LES 1-27; 2008 LES 1-27
11.	Year of Release/ Notification (If any)	2006/2007
12.	State whether Release was at Central or State level: Central / State	State (Delhi)-2006, Central- 2008
13.	If by CVRC mention S.O. No. and date	1703 (E), 05.10.2007
14.	De-notification if any, with date	Not Applicable
15.	Recommended Region / Areas	Zone II : (Delhi, Haryana, Jammu & Kashmir (Plains) Punjab, Parts of Rajasthan) Zone III : (Eastern Rajasthan, Madhya Pradesh, Uttar Pradesh and Uttarakhand)
16.	Areas of Adoption (Regions where the cultivar was / is widely grown)	Delhi
17.	Cultivar descriptor	Zone II Plant height : 160-185 cm Maturity : 137-152 days Oil content : 34.0 - 40.0 % Seed size : 3.5-5.5 g Zone III Plant height : 160-185 cm Maturity : 127-149 days Oil content : 30.0 - 42.0 % Seed size : 3.4-5.4 g
18.	Special Attributes, if any	Low erucic acid (<2%)
19.	Potential Yield	2733kg/ha (ZoneII), 2535 kg/ha (ZoneIII)
20.	Average Yield	1878-2277 kg/ha (ZoneII) , 1428-2197 kg/ha (ZoneIII)
21.	Additional Information, if any	High pod density, Low incidence of white rust, Alternaria blight, Sclerotinia stem rot, downy and powdery mildew and aphids

1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	Pusa Mustard 22 (LET 17)
3.	Nature of Cultivar (Variety / Hybrid / Composite / Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Pusa Barani X ZEM 2
5.	Method of Breeding/Selection	Back cross
6.	Method of Propagation- Self Pollinated / Cross pollinated / Vegetative / Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source / Institute	Indian Agricultural Research Institute, Pusa, New Delhi
9.	Name of the persons associated in the development of cultivar	R.S. Malik, Ritu Malik and Arvind Kumar
10.	Year of Identification with entry number allotted in All India Trial	2006, LET 17
11.	Year of Release/ Notification (If any)	2007/2008
12.	State whether Release was at Central or State level: Central / State	Central
13.	If by CVRC mention S.O. No. and date	2458(E), 16.10.2008
14.	De-notification if any, with date	Not Applicable
15.	Recommended Region / Areas	Zone II (Delhi, Haryana, Jammu & Kashmir, Punjab, Parts of Rajasthan)
16.	Areas of Adoption (Regions where the cultivar was / is widely grown)	Delhi
17.	Cultivar descriptor	Plant height : 165-200 cm Maturity : 138-148 days Oil content : 34.2-36.4 % Seed size : 3.5- 3.7 g
18.	Special Attributes, if any	Low erucic acid (< 2%) variety
19.	Potential Yield	2750 kg/ha
20.	Average Yield	1674-2528 kg/ha
21.	Additional Information, if any	High pod density

1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	Pusa Mustard 24 (LET 18)
3.	Nature of Cultivar (Variety / Hybrid / Composite / Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Derived from the cross (Pusa Bold X LEB 15) X LES 29
5.	Method of Breeding/Selection	Pedigree selection
6.	Method of Propagation- Self Pollinated / Cross pollinated / Vegetative / Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source / Institute	Indian Agricultural Research Institute, Pusa, New Delhi
9.	Name of the persons associated in the development of cultivar	R.S. Malik, D.K. Yadava, Ritu Malik, Arvind Kumar, Sujata, Rajkumar and Narendra Singh
10.	Year of Identification with entry number allotted in All India Trial	2007, LET 18
11.	Year of Release/ Notification (If any)	2007/2009
12.	State whether Release was at Central or State level: Central / State	Central
13.	If by CVRC mention S.O. No. and date	449 (E), 11.02.2009
14.	De-notification if any, with date	Not Applicable
15.	Recommended Region / Areas	Zone II (Delhi, Haryana, Jammu & Kashmir, Punjab Parts of Rajasthan)
16.	Areas of Adoption (Regions where the cultivar was / is widely grown)	Not Available
17.	Cultivar descriptor	Plant height : 195-245 cm Maturity : 134-150 days Oil content : 32.0-39.7 % Seed size : 3.6-5.2 g
18.	Special Attributes, if any	Low erucic variety (< 2%)
19.	Potential Yield	2904 kg/ha
20.	Average Yield	1995-2044 kg/ha
21.	Additional Information, if any	High siliquae density
		
Pusa Mustard 24		


Rapeseed-Mustard :

1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	Pusa Mustard 25 (NPJ 112)
3.	Nature of Cultivar (Variety/ Hybrid/ Composite/ Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Derived from the cross SEJ 8 X Pusa Jagannath
5.	Method of Breeding/Selection	Pedigree selection
6.	Method of Propagation- Self Pollinated/ Cross pollinated/Vegetative/ Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source/ Institute	Indian Agricultural Research Institute, Pusa, New Delhi
9.	Name of the persons associated in the development of cultivar	D.K. Yadava, Sujata, K.V. Prabhu, T. Mohapatra, B. Dass, S.C. Giri, S.K. Yadav, Anil Kumar Yadav, Raj Kumar and Raj Kumar
10.	Year of Identification with entry number allotted in All India Trial	2009, NPJ 112
11.	Year of Release/ Notification (If any)	2009/2010
12.	State whether Release was at Central or State level: Central/ State	Central
13.	If by CVRC mention S.O. No. and date	211 (E), 29.01.2010
14.	De-notification if any, with date	Not Applicable
15.	Recommended Region/ Areas	Zone II (Delhi, Haryana, Jammu & Kashmir, Punjab, Rajasthan, Western Uttar Pradesh)
16.	Areas of Adoption (Regions where the cultivar was/ is widely grown)	Delhi
17.	Cultivar descriptor	Plant height : 154-175 cm Maturity : 94-120 days Oil content : 35.5-41.2 % Seed size : 3.7-5.2 g
18.	Special Attributes, if any	Early maturing <i>B. juncea</i> variety with high temperature tolerance during juvenile stage
19.	Potential Yield	2405 kg/ha
20.	Average Yield	1324-1654 kg/ha
21.	Additional Information, if any	Suitable for early sown (September sowing) irrigated conditions in <i>rabi</i> season as an additional (catch) crop between <i>rabi</i> and <i>kharif</i> seasons
		
Pusa Mustard 25		

1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	Pusa Vijay (NPJ 93)
3.	Nature of Cultivar (Variety/Hybrid/Composite/Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Derived from the cross Synthetic <i>Brassica juncea</i> X VSL 5
5.	Method of Breeding/Selection	Pedigree selection
6.	Method of Propagation- Self Pollinated/ Cross pollinated/ Vegetative/ Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source/Institute	Indian Agricultural Research Institute, Pusa, New Delhi
9.	Name of the persons associated in the development of cultivar	D.K. Yadava, T. Mohapatra, R.C. Prasad, Sujata, B. Dass and S.C. Giri
10.	Year of Identification with entry number allotted in All India Trial	—, NPJ 93
11.	Year of Release/ Notification (If any)	2006/2008
12.	State whether Release was at Central or State level: Central/ State	State
13.	If by CVRC mention S.O. No. and date	2458 (E), 16.08.2008
14.	De-notification if any, with date	NA
15.	Recommended Region/ Areas	Delhi
16.	Areas of Adoption (Regions where the cultivar was/ is widely grown)	Delhi
17.	Cultivar descriptor	Plant height : 176-198 cm Maturity : 135-154 days Oil content : 35.0-41.0 % Seed size : 4.1-6.5 g
18.	Special Attributes, if any	High temperature tolerance at seedling stage and salinity upto 12 dS/m
19.	Potential Yield	3222 kg/ha
20.	Average Yield	1870-2715 kg/ha
21.	Additional Information, if any	Timely sown irrigated conditions of Delhi state

1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	RGN 48
3.	Nature of Cultivar (Variety/ Hybrid/ Composite/ Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Derived from the cross RSM 204 X B 75
5.	Method of Breeding/Selection	Pedigree selection
6.	Method of Propagation- Self Pollinated/ Cross pollinated/ Vegetative/ Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source/ Institute	Agricultural Research Station (S.K. Rajasthan Agricultural University), Sri Ganganagar, Rajasthan
9.	Name of the persons associated in the development of cultivar	D.K. Yadava, U.S. Shekhawat, B.S. Sidhu, R.B. Gaur, (Mrs) Beena Shrivastava, S.R. Mehta
10.	Year of Identification with entry number allotted in All India Trial	2004, RGN 48
11.	Year of Release/ Notification (If any)	2004/2006
12.	State whether Release was at Central or State level: Central/ State	Central
13.	If by CVRC mention S.O. No. and date	599 (E), 25.04.2006
14.	De-notification if any, with date	Not Applicable
15.	Recommended Region/ Areas	Zone II (Delhi, Haryana, Punjab, Jammu & Kashmir and Parts of Rajasthan)
16.	Areas of Adoption (Regions where the cultivar was/ is widely grown)	Rajasthan
17.	Cultivar descriptor	Plant height : 160-175 cm Maturity : 138-157 days Oil content : 39.5-41.4% Seed size : 2.3-5.2 g
18.	Special Attributes, if any	Resistant to frost
19.	Potential Yield	2639 kg/ha
20.	Average Yield	1505-2158 kg/ha
21.	Additional Information, if any	Suitable for rainfed conditions.

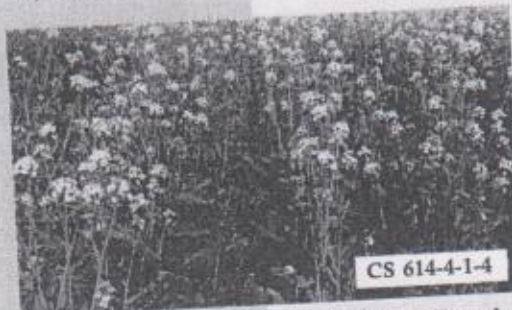
1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	RGN 73
3.	Nature of Cultivar (Variety/ Hybrid/ Composite/ Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Derived from the cross RGN 8 X Pusa Bold
5.	Method of Breeding/Selection	Pedigree selection
6.	Method of Propagation- Self Pollinated/ Cross pollinated/ Vegetative/ Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source/ Institute	Agricultural Research Station (S.K. Rajasthan Agricultural University), Sri Ganganagar, Rajasthan
9.	Name of the persons associated in the development of cultivar	D.K. Yadava, U.S. Shekhawat, B.S. Sidhu, R.B. Gaur, (Mrs) Beena Shrivastava, S.R. Mehta
10.	Year of Identification with entry number allotted in All India Trial	2006, RGN 73
11.	Year of Release/ Notification (If any)	2006/2007
12.	State whether Release was at Central or State level: Central/ State	Central
13.	If by CVRC mention S.O. No. and date	122 (E), 06.02.2007
14.	De-notification if any, with date	Not Applicable
15.	Recommended Region/ Areas	Zone III (Madhya Pradesh, Parts of Rajasthan, Uttar Pradesh and Uttarakhand)
16.	Areas of Adoption (Regions where the cultivar was/ is widely grown)	Rajasthan
17.	Cultivar descriptor	Plant height : 161-200 cm Maturity : 127-136 days Oil content : 38.9-42.1 % Seed size : 3.9-4.3 g
18.	Special Attributes, if any	Suitable for irrigated conditions.
19.	Potential Yield	2963 kg/ha
20.	Average Yield	1771-2226 kg/ha
21.	Additional Information, if any	Tolerant to lodging and shattering

1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	RGN 145
3.	Nature of Cultivar (Variety/ Hybrid/ Composite/ Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Derived from the cross Varuna X Tobin
5.	Method of Breeding/Selection	Pedigree selection
6.	Method of Propagation- Self Pollinated/ Cross pollinated/Vegetative/ Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source/ Institute	Agricultural Research Station (S.K. Rajasthan Agricultural University), Sri Ganganagar, Rajasthan
9.	Name of the persons associated in the development of cultivar	U.S. Shekhawat and D.K. Yadava
10.	Year of Identification with entry number allotted in All India Trial	2008, RGN 145
11.	Year of Release/ Notification (If any)	2008/2009
12.	State whether Release was at Central or State level: Central/ State	Central
13.	If by CVRC mention S.O. No. and date	449 (E), 11.02.2009
14.	De-notification if any, with date	Not Applicable
15.	Recommended Region/ Areas	Zone II (Delhi, Haryana, Punjab, Jammu & Kashmir, Rajasthan)
16.	Areas of Adoption (Regions where the cultivar was/ is widely grown)	Rajasthan
17.	Cultivar descriptor	Plant height : 173-221 cm Maturity : 121-141 days Oil content : 35.0-39.1 % Seed size : 2.6-4.6 g
18.	Special Attributes, if any	Low aphid infestation
19.	Potential Yield	2066 kg/ha
20.	Average Yield	1448-1640 kg/ha
21.	Additional Information, if any	Suitable for late sown irrigated conditions.
		
RGN 145		

1.	Name of the Crop	Indian Mustard
2.	Name of the Cultivar	RRN 505 (RN 505)
3.	Nature of Cultivar (Variety/Hybrid/Composite/Synthetic)	Variety
4.	Pedigree (Plant-wise for Hybrids)	Derived from the cross Pusa Bhusan X ABRNT 1
5.	Method of Breeding/Selection	Pedigree selection
6.	Method of Propagation- Self Pollinated/ Cross pollinated/Vegetative/ Tissue Culture	Self Pollinated
7.	If cross-pollinated, extent of natural out crossing (specify in %)	Not Applicable
8.	Address of Originating Source/Institute	Agricultural Research Station (S.K. Rajasthan Agricultural University), Navgaon, Rajasthan
9.	Name of the persons associated in the development of cultivar	Chakresh Kumar, S. Muralia and B.D. Gothwal
10.	Year of Identification with entry number allotted in All India Trial	—, RN 505
11.	Year of Release/ Notification (If any)	2005/2006
12.	State whether Release was at Central or State level: Central/State	State
13.	If by CVRC mention S.O. No. and date	599 (E), 25.04.2006
14.	De-notification if any, with date	Not Applicable
15.	Recommended Region/Areas	Rajasthan
16.	Areas of Adoption (Regions where the cultivar was/is widely grown)	Not available
17.	Cultivar descriptor	Plant height : 135 cm Maturity : 121-127 days Oil content : 40.0 % Seed size : 4.1 g
18.	Special Attributes, if any	Suitable for late sown conditions and areas where Sclerotinia stem rot is prevalent
19.	Potential yield	2921 kg/ha
20.	Average Yield	1208-1506 kg/ha
21.	Additional Information, if any	Nil

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	CS 52
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Selection from DIRA 343
5. Method of Breeding/Selection	Pure line selection
6. Method of Propagation	Self Pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	Central Soil Salinity Research Institute, Karnal, Haryana
9. Name of the persons associated in the development of cultivar	T.S. Sinha
10. Year of Identification and name under which tested in All India Trial	1997, CS 52
11. Year of Release	1997
12. Year of Notification	1998
13. Whether Release was at Central or State level	Central
14. Notified vide S.O. No. and date	401(E), 15.05.1998
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Zone II
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Sodic and saline soils of Haryana, Rajasthan and Uttar Pradesh
18. Cultivar descriptor	Plant height : 170-190 cm Maturity : 135-145 days Oil content : 39.8-43.3% Seed size : 4.0 g
19. Special Attributes, if any	Salt-tolerant variety
20. Potential yield	3961 kg/ha
21. Average yield	580-1602 kg/ha
22. Additional Information, if any	Check in Alkalinity/ Salinity mustard trials under AICRP-RM.

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| 1. Name of the Crop | Indian Mustard |
| 2. Name of the Cultivar | CS 54 |
| 3. Nature of Cultivar | Variety |
| 4. Pedigree (Plant-wise for Hybrids) | Derived from the cross, B 380 x NDR 8603 |
| 5. Method of Breeding/Selection | Pedigree selection |
| 6. Method of Propagation | Self Pollinated |
| 7. If cross-pollinated, extent of natural out crossing (in %) | Not Applicable |
| 8. Address of Originating Source / Institute | Central Soil Sanitary Research Institute,
Karnal |
| 9. Name of the persons associated in the development of cultivar | T. S. Sinha |
| 10. Year of Identification and name under which tested in All India Trial | 2003, CS 614-4-1-4 |
| 11. Year of Release | 2003 |
| 12. Year of Notification | 2005 |
| 13. Whether Release was at Central or State level | Central |
| 14. Notified vide S.O. No. and date | 122(E), 02.02.2005 |
| 15. De-notification if any, with date | Not Applicable |
| 16. Recommended Region / Areas | Across the zone salt affected areas |
| 17. Areas of Adoption (Regions where the cultivar was / is widely grown) | Haryana, Uttar Pradesh and Gujarat |
| 18. Cultivar descriptor | Plant height : 145-173 cm
Maturity : 109-147days
Oil content : 39-41%
Seed size : 4.3-6.2 g |
| 19. Special Attributes, if any | Long basal branching, early maturing and bold seeded |
| 20. Potential yield | 3014 kg/ha |
| 21. Average yield | 1230-2237 kg/ha |
| 22. Additional Information, if any | Suitable for salt affected soil |



CS 54: a recent release variety for salt affected soils

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	Jawahar Mustard 2 (JM 2)
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Derived from the cross, Varuna x L4
5. Method of Breeding/Selection	Back cross
6. Method of Propagation	Self pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	Zonal Agricultural Research Station, (Jawaharlal Nehru Krishi Vishwa Vidyalaya), A.B. Road, Morena, Madhya Pradesh
9. Name of the persons associated in the development of cultivar	S.S. Bhadouria, G.S. Lal and D. Awasthi
10. Year of Identification and name under which tested in All India Trial	Not Applicable, JMWR-94-1-1-2
11. Year of Release	2004
12. Year of Notification	2005
13. Whether Release was at Central or State level	State
14. Notified vide S.O. No. and date	17-13/2003-SD IV, 26.08.2005
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Madhya Pradesh, Chhattisgarh
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Not Available
18. Cultivar descriptor	Plant height : 165-170 cm Maturity : 135-138 days Oil content : 38-41 % Seed size : 4.2-5.7 g
19. Special Attributes, if any	Resistant to white rust
20. Potential yield	3022 kg/ha
21. Average yield	1632-2588 kg/ha



JM 2: a white rust resistant variety

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	Jawahar Mustard 3 (JM3)
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Derived from the cross Varuna x YRT 3
5. Method of Breeding/Selection	Back cross
6. Method of Propagation	Self pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	Zonal Agricultural Research Station, (Jawaharlal Nehru Krishi Vishwa Vidyalaya), A.B. Road, Morena, Madhya Pradesh
9. Name of the persons associated in the development of cultivar	S.S. Bhadouria, G.S. Lal and D. Awasthi
10. Year of Identification with name of the varieties under witch tested in All India Trial	Not Applicable, JM 915
11. Year of Release	2004
12. Year of Notification	2005
13. Whether Release was at Central or State level	State
14. Notified vide S.O. No. and date	17-13/2003-SD IV, 26.08.2005
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Madhya Pradesh
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Not Available
18. Cultivar descriptor	Plant height : 180-185 cm Maturity : 130-132 days Oil content : 40 % Seed size : 4-5 g
19. Special Attributes, if any	Tolerant to Alternaria blight
20. Potential yield	3919 kg/ha
21. Average yield	1500-2500 kg/ha

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	Kranti
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Selection from Varuna
5. Method of Breeding/Selection	Pure line Selection
6. Method of Propagation	Self Pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	GB Pant University of Agriculture & Technology, Pantnagar
9. Name of the persons associated in the development of cultivar	Not Available
10. Year of Identification and name under which tested in All India Trial	1981, Pant Rai 15. (PR-15)
11. Year of Release	1982
12. Year of Notification	1984
13. Whether Release was at Central or State level	Central
14. Notified vide S.O. No. and date	2 (E), 03.01.1983
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Zone II, Zone III and Zone V
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Irrigated areas of Bihar, Delhi, Gujarat, Haryana, Orissa, Punjab, Rajasthan, Uttar Pradesh and West Bengal
18. Cultivar descriptor	Plant height : 155-200 cm Maturity : 125-130 days Oil content : 40% Seed size : 4.0 g
19. Special Attributes, if any	Relatively more tolerant to Alternaria blight and frost than Varuna
20. Potential yield	3019 kg/ha
21. Average yield	1107-2135 kg/ha
22. Additional Information, if any	National Check in mustard trials under AICRP-RM

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	Laxmi
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Derived from the cross, PR 15 x RH 30A
5. Method of Breeding/Selection	Pedigree selection
6. Method of Propagation	Self Pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	CCS Haryana Agricultural University, Hisar, Haryana
9. Name of the persons associated in the development of cultivar	Hari Singh and J. S. Yadava
10. Year of Identification and name under which tested in All India Trial	Not Applicable, RH 8812
11. Year of Release	1996
12. Year of Notification	1997
13. Whether Release was at Central or State level	State
14. Notified vide S.O. No. and date	360(E), 01.05.1997
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Haryana
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Haryana
18. Cultivar descriptor	Plant height : 170 cm Maturity : 145 days Oil content : 40% Seed size : 5.2 g
•19. Special Attributes, if any	Bold and black seeded
20. Potential yield	Not Available
21. Average yield	2200 kg/ha

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	Maya
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Derived from the cross Varuna x KRV 11
5. Method of Breeding/Selection	Pedigree selection
6. Method of Propagation	Self Pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	Chandra Shekhar Azad University of Agri. & Tech.,+ Kanpur
9. Name of the persons associated in the development of cultivar	R. K. Dixit, Ranjeet, Mahak Singh, V.P. Singh, Lalta Prasad, Geeta Rai and Arvind Kumar
10. Year of Identification and name under which tested in All India Trial	2002, RK 9902
11. Year of Release	2002
12. Year of Notification	2003
13. Whether Release was at Central or State level	Central
14. Notified vide S.O. No. and date	17-63/2002 SD - IV, 11.03.2003
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Zone III
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Uttar Pradesh, Madhya Pradesh, South Rajasthan and parts of Bihar
18. Cultivar descriptor	Plant height : 165-170 cm Maturity : 130-135 days Oil content : 39 - 40% Seed size : 4.8 - 6.4 g
19. Special Attributes, if any	Resistant to white rust
20. Potential yield	3274 kg/ha
21. Average yield	1988-2281 kg/ha
22. Additional Information, if any	Check in irrigated mustard trials in Zone III under AICRP-RM



Maya: a high yielding variety for Madhya Pradesh, Rajasthan and Uttar Pradesh

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	Pusa Agrani
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Derived from the cross, early maturing <i>Brassica juncea</i> x synthetic amphidiploid (<i>B. campestris</i> var. <i>toria</i> x <i>B. nigra</i>)
5. Method of Breeding/Selection	Pedigree selection
6. Method of Propagation	Self Pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	Indian Agricultural Research Institute (IARI), New Delhi
9. Name of the persons associated in the development of cultivar	R.N. Raut and S.C. Giri
10. Year of Identification and name under which tested in All India Trial	1997, SEJ 2
11. Year of Release	1997/2002
12. Year of Notification	1998
13. Whether Release was at Central or State level	Central
14. Notified vide S.O. No. and date	401(E), 15.05.1998
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Zone II and Zone V
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Irrigated areas of Delhi, Haryana, Punjab and Rajasthan
18. Cultivar descriptor	Plant height : 110-150 cm Maturity : 77-110 days Oil content : 39-40% Seed size : 3.8-4.2 g
19. Special Attributes, if any	An early maturing variety, Suitable for non-traditional areas
20. Potential yield	3111 kg/ha
21. Average yield	770-1320 kg/ha
22. Additional Information, if any	Tolerant to high temperature at germination, check in toria/early mustard trials under AICRP-RM, substitute of toria in eastern India

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	Pusa Bold
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Derived from the cross, Varuna x BIC 1780
5. Method of Breeding/Selection	Pedigree selection
6. Method of Propagation	Self Pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	Indian Agricultural Research Institute, New Delhi
9. Name of the persons associated in the development of cultivar	D.S. Rawat and I.J. Anand
10. Year of Identification and name under which tested in All India Trial	1982, DIR 50
11. Year of Release	1984
12. Year of Notification	1985
13. Whether Release was at Central or State level	Central
14. Notified vide S.O. No. and date	295(E), 09.04. 1985
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Zone V
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Delhi, Utter Pradesh and Eastern India
18. Cultivar descriptor	Plant height : 140-150 cm Maturity : 110-145 days Oil content : 42% Seed size : 6.0-7.0 g
19. Special Attributes, if any	Suitable for rainfed areas, early as well as late sown, bold seeded
20. Potential yield	2450 kg/ha
21. Average yield	1800 kg/ha
22. Additional Information, if any	Check in rainfed mustard trial in Zone V under AICRP-RM



Pusa Bold: a bold seeded popular variety

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	Pusa Jaikisan
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Somaclone of Varuna
5. Method of Breeding/Selection	Tissue culture
6. Method of Propagation	Self Pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	National Research Centre on Plant Biotechnology, Indian Agricultural Research Institute, New Delhi
9. Name of the persons associated in the development of cultivar	V.L. Chopra and R.K. Katiyar
10. Year of Identification and name under which tested in All India Trial	1993, BIO 902
11. Year of Release	1993
12. Year of Notification	1994
13. Whether Release was at Central or State level	Central
14. Notified vide S.O. No. and date	636(E), 02.09.1994
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Zone IV
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Irrigated areas of Gujarat, parts of Maharashtra and Western Rajasthan
18. Cultivar descriptor	Plant height : 189 cm Maturity : 112-135 days Oil content : 40% Seed size : 6.8 g
19. Special Attributes, if any	Semi-compact plant type, resistant to lodging and shattering
20. Potential yield	3500 kg/ha
21. Average yield	1600-2200 kg/ha
22. Additional Information, if any	Check in mustard trials in Zone IV under AICRP-RM

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	Pusa Mahak
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids) Mutant	Derived from the cross, Pusa Bold x Glossy
5. Method of Breeding/Selection	Pedigree selection
6. Method of Propagation	Self pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	Indian Agricultural Research Institute, New Delhi
9. Name of the persons associated in the development of cultivar	J.N. Singh and Rajendra Singh
10. Year of Identification with entry number allotted in All India Trial	Not Applicable, JD 6
11. Year of Release	2004
12. Year of Notification	2005
13. Whether Release was at Central or State level	State
14. Notified vide S.O. No. and date	17-8/2005-SD-IV, 23.08.2005
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Zone V
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Bihar, West Bengal, Orissa, Assam and Jharkhand
18. Cultivar descriptor	Plant height : 160-170 cm Maturity : 98-102 days Oil content : 39-44% Seed size : 3.6-3.9 g
19. Special Attributes, if any	Early maturing
20. Potential yield	1469 kg/ha
21. Average yield	597-1049 kg/ha
22. Additional Information, if any	This may replace toria in Eastern and Northeast states, check in toria/early mustard trials under AICRP-RM

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	RH 30
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Selection from P 26/3-1
5. Method of Breeding/Selection	Pure line selection
6. Method of Propagation	Self Pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	CCS Haryana Agricultural University, Hisar
9. Name of the persons associated in the development of cultivar	T.P. Yadava, Hari Singh, A.K. Yadav, C.K. Yadav and Parkash Kumar
10. Year of Identification and name under which tested in All India Trial	Not Available
11. Year of Release	1983
12. Year of Notification	1985
13. Whether Release was at Central or State level	Central
14. Notified vide S.O. No. and date	295 (E), 09.04.1985
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Zone II
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Rainfed and irrigated areas of Haryana, Jammu, Punjab, North Rajasthan and Western Uttar Pradesh
18. Cultivar descriptor	Plant height : 190 cm Maturity : 130-135 days Oil content : 39% Seed size : 5.8 g
19. Special Attributes, if any	Suitable for mixed cropping and late sowing, non-shattering
20. Potential yield	Not Available
21. Average yield	1600-2000 kg/ha



RH 30: a bold seeded popular variety

1. Name of the Crop	Indian Mustard
2. Name of the Cultivar	Vasundhra
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Derived from the cross RH 839 x RH 30
5. Method of Breeding/Selection	Pedigree selection
6. Method of Propagation	Self Pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	Not Applicable
8. Address of Originating Source / Institute	CCS, Haryana Agricultural University, Hisar
9. Name of the persons associated in the development of cultivar	T.P. Yadava, N.K. Thakral, Parkash Kumar, S.K. Thakral, J.S. Yadava, D.C. Nijhawan, Dhiraj Singh, Naveen Chandra and Amit Singh
10. Year of Identification and name under which tested in All India Trial	2002, RH-9304
11. Year of Release	2002
12. Year of Notification	2003
13. Whether Release was at Central or State level	Central
14. Notified vide S.O. No. and date	17-63/2002 SD IV, 11.03.2003
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Zone III
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Haryana, Madhya Pradesh, Uttar Pradesh, Uttaranchal and South Rajasthan
18. Cultivar descriptor	Plant height : 180-190 cm Maturity : 129-137days Oil content : 38.0 - 40% Seed size : 5.4 - 6.4 g
19. Special Attributes, if any	Semi appressed
20. Potential yield	3451 kg/ha
21. Average yield	1989-2219 kg/ha



Vasundhra: a suitable variety for irrigated areas

1. Name of the Crop	Toria
2. Name of the Cultivar	PT 303
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	B 54 x DSH 17 MD
5. Method of Breeding/Selection	Selection
6. Method of Propagation	Cross Pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	100
8. Address of Originating Source / Institute	GB Pant University of Agriculture & Technology, Pantnagar, Uttar Pradesh (Presently Uttaranchal)
9. Name of the persons associated in the development of cultivar	Basudeo Singh, B. Rai, J.N. Sachan, Ram Bhajan, S.P. Singh, Daroga Singh, D.V.S. Tyagi, S.S. Malik, Surendra Singh, G. Bahadur, B.P. Singh and V.D. Verma
10. Year of Identification and name under which tested in All India Trial	1982, PT 303
11. Year of Release	1985
12. Year of Notification	1985
13. Whether Release was at Central or State level	Central
14. Notified vide S.O. No. and date	832(E), 18.11.1985
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Across the country
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Irrigated areas of Assam, Bihar, Haryana, Punjab, Orissa, Uttar Pradesh and West Bengal
• 18. Cultivar descriptor	Plant height : 120-152 cm Maturity : 91-97 days Oil content : 41-44% Seed size : 2.5-3.7 g
19. Special Attributes, if any	Tolerant to Alternaria blight, downy mildew and white rust
20. Potential yield	1941 kg/ha
21. Average yield	566-1137 kg/ha
22. Additional Information, if any	National check in toria trials under AICRP-RM

1. Name of the Crop	Toria
2. Name of the Cultivar	M 27
3. Nature of Cultivar	Variety
4. Pedigree (Plant-wise for Hybrids)	Selection from material collected from Dergaon, Assam
5. Method of Breeding/Selection	Selection
6. Method of Propagation	Cross Pollinated
7. If cross-pollinated, extent of natural out crossing (in %)	100
8. Address of Originating Source / Institute	Regional Research Station, Assam Agricultural University, Shillongani, Nagaon, Government of Assam
9. Name of the persons associated in the development of cultivar	Not Available
10. Year of Identification and name under which tested in All India Trial	Not Applicable
11. Year of Release	1956
12. Year of Notification	1978
13. Whether Release was at Central or State level	Central
14. Notified vide S.O. No. and date	13(E), 19.12.1978
15. De-notification if any, with date	Not Applicable
16. Recommended Region / Areas	Eastern India
17. Areas of Adoption (Regions where the cultivar was / is widely grown)	Rainfed areas of Assam, Orissa and Tripura
18. Cultivar descriptor	Plant height : 90-100 cm Maturity : 90-95 days Oil content : 45% Seed size : 3.2 g
19. Special Attributes, if any	Nil
20. Potential yield	Not Available
21. Average yield	1000-1200 kg/ha



M 27: a popular variety for eastern India