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**Details of 109 varieties of Field and Horticultural crops which was released by Prime Minister Shri Narendra Modi
on 11th August 2024**

**Details of 109 varieties of Field and Horticultural crops which was released by Prime Minister Shri Narendra Modi
on 11th August 2024 in PUSA, New Delhi.**

These 109 varieties of 61 crops include 34 field crops and 27 horticultural crops

Field Crops (69)

1. Cereals (23): Rice-9; Wheat-2; Barley 1; Maize-6, Sorghum-1, Pearl millet-1; Finger millet-1; Proso millet-1; Barnyard millet-1;
2. Pulses (11): Chickpea -2, Pigeon pea – 2, Lentil -3, Field pea – 1; Fababean -1; Mungbean -2;
3. Oilseeds (7): Safflower – 2, Soybean – 2, Groundnut – 2, Sesame -1;
4. Forage crops (7): Forage pearl millet-1; Berseem-1, Oats-2; Forage maize-2, Forage sorghum-1,
5. Sugar crops (4): Sugarcane - 4;
6. Fibre crops (6): Cotton - 5; Jute -1;
7. Potential crops (11): Buckwheat-1, Amaranth-4, Winged bean-1, Adzuki bean-1, Pillipesara-1, Kalingda-1, Perilla-2

Horticultural Crops (40)

1. Fruits (8): Mango –3, Pomegranate – 1; Guava – 2; Bael – 1; Pummelo – 1;
2. Vegetable crops (8): Tomato -2; Bottle gourd -1; Okra – 1; Indian beans – 2; Muskmelan – 1; Water melon – 1;
3. Tuber crops (3): Potato – 3;
4. Spices (6): Netmug – 1, Small cardamom -2; Fennel – 1; Ajwain – 01; Mango ginger – 1;
5. Plantation crops (6): Cocoa -2, Cashew – 2; Coconut – 2;
6. Flowers (5): Merigold – 1; Tuberose – 1; Crossandra – 1; Gladiolus – 2;
7. Medicinal plants (4): Velvet Bean – 2; Ashwagandha -1; Mandukaparni – 1

Sr. No.	Crop	Name of the Variety/Hybrid	Variety/ Hybrid	Sponsoring organization	Recommended for the states	Special Features
CEREALS						
1.	Rice	CR Dhan 416 (IET 30201)	Variety	ICAR-National Rice Research Institute, Cuttack, Odisha	West Bengal, Maharashtra, Gujarat	Suitable for coastal saline areas , yield 48. 125-130 days, moderately resistant to blast, sheath rot, rice tungro disease, gl... resistant to brown plant hopper, grasshopp
2.	Rice	CR DHAN 810 (IET 30409)	Variety	ICAR- National Rice Research Institute, Cuttack, Odisha	Odisha, West Bengal, Assam	Suitable for rainfed shallow low land , maturity 150 days, submergence toleranc early stage, moderately resistant to bro moderately resistant to leaf folder and s heart)

3.	Rice	CR Dhan 108 (IET29052)	Variety	ICAR-National Rice Research Institute, Cuttack, Odisha	Odisha, Bihar	Suitable for early direct seeded rainfed 34.46 q/ha, maturity 110-114 days, moderate leaf blast, neck blast, sheath blight moderately tolerant to drought
4.	Rice	CSR 101 (IET-30827)	Variety	ICAR-Central Soil Salinity Research Institute, Karnal, Haryana	Uttar Pradesh, Haryana, Tamil Nadu, Karnataka	Suitable for irrigated alkaline/saline stress 35.15 q/ha (alkaline stress); 39.33 q/ha (moderate stress); 55.88 q/ha (normal condition), maturity 110-115 days, MAS derived NIL of Pusa 44 (possessor of bacterial blight resistance xa13 and Xa21 for salt tolerance), resistant to salinity and bacterial blight
5.	Rice	Swarna PurviDhan 5 IET 29036 (RCPR 68-IR83929-B-B-291-2-1-1-2)	Open Pollinated Variety	ICAR-Research Complex for Eastern Region, Patna, Bihar	Bihar, West Bengal, Jharkhand	Suitable for direct seeded aerobic condition as well as water limited prone rainfed as well as water limited <i>Kharif</i> , yield (normal condition - 43 q/ha, moderate drought condition - 29.02 q/ha (110-115 days), contains high amount of Zinc and Iron (13.1 ppm), resistant to neck blast and moderate resistant to leaf blast, brown rot, tolerant to major pests like stem borer and white ears head), gall midge, leaf folder and thrip
6.	Rice	DRR Dhan 73 (IET 30242)	Open pollinated Variety	ICAR – Indian Institute of Rice Research, Rajendranagar, Hyderabad	Karnataka, Odisha and Telangana	Suitable for irrigated and rainfed shallow with low soil P for both <i>Kharif</i> and <i>Rabi</i> (under normal conditions; 60 kg/ha of P i dose), 40 q/ ha (under low P; 40 kg/ha of P) (under low Phosphorus; 0 kg/ha of P), 110-115 days, moderately resistant to leaf blast
7.	Rice	DRR Dhan 74 (IET 30252)	Open pollinated Variety	ICAR-Indian Institute of Rice Research, Rajendranagar, Hyderabad	Karnataka, Maharashtra, Telangana, Jharkhand, and regions with P deficit soil of India	Suitable for irrigated and rainfed shallow with low soil P for both <i>Kharif</i> and <i>Rabi</i> (under normal conditions; 60 kg/ha of P i dose), 44 q/ ha (under low P; 40 kg/ha of P) (under low Phosphorus; 0 kg/ha of P), 110-115 days, moderately tolerant to leaf blast, brown rot, plant hoppers
8.	Rice	DRR Dhan 78 (IET 30240)	Open pollinated Variety	ICAR – Indian Institute of Rice Research, Rajendranagar, Hyderabad	Karnataka and Telangana	Suitable for irrigated and rainfed shallow with low soil P for both <i>Kharif</i> and <i>Rabi</i> (under normal conditions; 60 kg/ha of P i dose), 46 q/ ha (under low P; 40 kg/ha of P) (under low Phosphorus; 0 kg/ha of P), 110-115 days, moderately resistant to leaf blast and brown rot
9.	Rice	KKL (R) 4 (IET 30697) (KR 19011)	Open pollinated Variety	ICAR-AICRP on Rice, Pandit Jawaharlal Nehru College of Agriculture and Research Institute	Tamil Nadu, Andhra Pradesh, Telangana and Puduchery	Suitable for submergence stress condition under stress situations and 56 q/ha under normal condition, maturity mid-early (120-125 days), entry of ADT39*4/SwarnaSub1 introgressed submergence tolerance, moderately resistant to leaf blast and brown rot

				Karaikal, Puducherry (U.T.)		
10.	Wheat	Pusa Gehun Sharbati (HI 1665)	Open pollinated Variety	ICAR-Indian Agricultural Research Institute Regional Station, Indore, Madhya Pradesh	Maharashtra, Karnataka and Plains of Tamil Nadu	Suitable for timely sown, restricted irri yield 33.0 q/ha, maturity 110 days, tole drought (heat sensitivity index 0.98 sensitivity index 0.91), excellent grai fortified with higher grain zinc cont resistant to leaf and stem rust
11.	Durum Wheat	Pusa Gehun Gaurav (HI- 8840)	Open Pollinated Variety	Maharashtra, Karnataka and plains of Tamil Nadu	ICAR- Indian Agricultural Research Institute Regional Station, Indore- Madhya Pradesh	Suitable for irrigated conditions durun average grain yield 30.2 q/ha, terminal h resistance to stem and leaf rusts, biofortif with higher zinc(41.1 ppm) and iron protein content (~12%)
12.	Barley	DWRB-219	Open Pollinated Variety	Punjab, Haryana, Delhi, Rajasthan, (excluding Kota and Udaipur division), Western Uttar Pradesh (except Jhansi division), Jammu and Kathua district of Jammu and Kashmir, Paonta Valley and Una district of Himachal Pradesh and tarai region of Uttarakhand	ICAR- IIWBR (Indian Institute of Wheat & Barley Research) Karnal- Haryana	Irrigated/ limited irrigation condition of yield 54.49 q/ha, Maturity 132 days, Re rstand moderately resistant for leaf rustd Tolerant to lodging, Protein content : 11.4
13.	Maize	Pusa Popcorn Hybrid - 1 (APCH 2)	Hybrid	ICAR - Indian Agricultural Research Institute, New Delhi	Punjab, Haryana, Delhi, Uttarakhand (Plain), Uttar Pradesh (Western region), Maharashtra, Karnataka, Andhra Pradesh, Telangana, Tamil Nadu	Suitable for irrigated <i>Rabi</i> ecology, y (NWPZ), 47.17 q/ha (PZ), maturity 120. 102.1 days (PZ), higher popping perce NWPZ and 98.3% in PZ and popping (18), resistant to moderately resistant to ch
14.	Maize	Pusa Bio fortified Maize Hybrid - 4 (APH4)	Hybrid	ICAR - Indian Agricultural Research Institute, New Delhi	Punjab, Haryana, Delhi, Uttarakhand (Plain),Uttar Pradesh (Western region), Maharashtra, Karnataka, Andhra Pradesh, Telangana, Tamil Nadu, Gujarat, Madhya Pradesh,	Suitable for <i>Kharif</i> season, yield 84.33 q/h q/ha (PZ), 56.58 q/ha (CWZ), maturity 79 93.9 days (PZ), 86.4 days (CWZ), rich (6.7 ppm), lysine (3.47%) and trypt resistant to moderately resistant to MLE

					Chhattisgarh, Rajasthan	
15.	Maize	Pusa HM4 Male Sterile Baby Corn-2 (ABSH4-2)	Hybrid	ICAR- Indian Agricultural Research Institute New Delhi	Bihar, Jharkhand, Odisha, Uttar Pradesh (Eastern region), West Bengal, Maharashtra, Karnataka, Andhra Pradesh, Telangana, Tamil Nadu, Gujarat, Madhya Pradesh, Chhattisgarh, Rajasthan	Suitable for irrigated conditions during <i>Kharif</i> 19.56 q/ha (NEPZ), 14.07 q/ha (PZ) & 16 q/ha (Z) maturity 53 days, 100% male sterility , not resistant to moderately resistant to charcoal rot
16.	Maize	IMH 230 IMHSB 20R-6	Single cross Hybrid	ICAR-Indian Institute of Maize Research, Ludhiana, Punjab	NEPZ viz. Eastern Uttar Pradesh, Bihar, Jharkhand, Orissa, West Bengal.	Suitable for irrigated Rabi season , high yield 33.34 q/ha, maturity 145.2 days, moderately resistant to drought stresses, MLB, ChR and TLB, moderately resistant to <i>Chilopartellus</i> , fall armyworm
17.	Maize	IMH 231 IMHSB 20K-10	Single cross Hybrid	ICAR- Indian Institute of Maize Research, Ludhiana, Punjab	NEPZ viz. Eastern Uttar Pradesh, Bihar, Jharkhand, Orissa, West Bengal, Assam	Suitable for <i>Kharif</i> irrigated condition, high yield 33.34 q/ha, maturity 90 days, moderately to highly tolerant to lodging , moderately resistant to MLB, resistant to FSR, moderately tolerant to fall armyworm
18.	Maize	Pusa Popcorn Hybrid - 2 (APCH 3)	Hybrid	ICAR - Indian Agricultural Research Institute, New Delhi	Maharashtra, Karnataka, Andhra Pradesh, Telangana and Tamil Nadu	Suitable for irrigated Rabi season , yield 19.56 q/ha, maturity 102.5 days, moderately Resistant to drought
19.	Sorghum	DSH-6 (CSH- 49) (SPH-1943)		ICAR-AICRP on Sorghum and Small millets, University of Agricultural Sciences, Dharwad, Karnataka	Tamil Nadu, Karnataka, Telangana, Gujarat, Rajasthan	Suitable for rainfed ecology Kharif season yield 38.77 q/ha, fodder yield 116 q/ha, maturity 111 days), non-lodging, fertilizer responsive, drought resistant trait, moderately tolerant to grain mold disease, not susceptible to shoot fly
20.	Pearl millet	MH 2417 (Pusa- 1801)	Hybrid	NCT of Delhi	ICAR - Indian Agricultural Research Institute, New Delhi	It is a dual purpose hybrid suitable for use under irrigated and rainfed conditions ; yield 33.34 q/ha and dry fodder yield 175 q/ha (70 ppm) and zinc 57 ppm content; resistant to important diseases of pearl millet, viz downy mildew, blast, rust, smut and ergot.
21.	Finger millet	VL Mandua- 402	Open Pollinated Variety	ICAR- Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora, Uttarakhand	Uttarakhand	Suitable for rainfed situations , average yield 33.34 kg/ha, matures in 111 days, higher calcium content in comparison to the check VL <i>Mandua</i> 32 (318.9 mg/100g) and VL 376 (318.9 mg/100g)

22.	Proso millet	CPRMV-1 (DHPM- 60-4/PMV 466)	Open Pollinated Variety	ICAR-AICRP on Sorghum and Small millets, University of Agricultural Sciences, Dharwad, Karnataka	Karnataka and Tamil Nadu	Suitable for rainfed Kharif season , y maturity 70-74 days, resistant to brown sp blight, moderately resistant to banded b shootfly
23.	Barnyard millet	VL Madira- 254	Open Pollinated Variety	ICAR- Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora, Uttarakhand	Uttarakhand	Suitable for rainfed situations , average y matures in 101 days
PULSES						
24.	Chickpea	Pant Gram 10 (PG 265)	Open Pollinated Variety	ICAR-AICRP on Pulses, G.B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand	Uttar Pradesh, Bihar, Jharkhand, West Bengal and Assam	Suitable for <i>desi</i> timely sown rainf conditions of <i>Rabi</i> season in NEPZ, y maturity 130 days, moderately resistant to stunt, tolerant to pod borer
25.	Chickpea	Nandyal Gram 1267 (NBeG 1267)	Variety	ICAR-AICRP on Pulses, Main Centre, RARS, Nandyal, Acharya N G Ranga Agricultural University, Andhra Pradesh	South zone (Andhra Pradesh, Telangana, Karnataka and Tamil Nadu)	Suitable for mechanical harvesting in variety during <i>Rabi</i> , could also be grown v irrigations in normal fertility condition, y maturity early (90-95 days), seed protein 1
26.	Pigeon pea	Phule Pallavi (Phule Tur-12- 19-2)	Open Pollinated Variety	ICAR-AICRP on Pulses, Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra	Maharashtra, Gujarat, Madhya Pradesh and Chhattisgarh during Kharif	Suitable for normal sown rainfed/irri Cenrtal Zone in <i>Kharif</i> season, yield 21.4 157-159 days, moderately resistant wilt an disease
27.	Pigeonpea	NAAM-88	Variety	ICAR-AICRP on Pulses, University of Agricultural Sciences, Raichur, Karnataka	Karnataka, Telangana, Andhra Pradesh, Tamil Nadu	Suitable for rainfed/irrigated areas in yield 14.90 q/ha, maturity early (142 d resistant to wilt
28.	Lentil	Pant Lentil 14 (PL 320)	Open Pollinated Variety	ICAR-AICRP on Pulses, G.B. Pant University of	Punjab, Haryana, Delhi, North-West & Central Rajasthan,	Suitable for timely sown rainfed / irriga <i>Rabi</i> season in NWPZ, yield 15.55 q/ha, n high seed protein content (25.72%) , :

				Agriculture and Technology, Pantnagar, Uttarakhand	Western Uttar Pradesh, Plains of Uttarakhand and Jammu and Kashmir	<i>Stemphylium</i> blight, moderately resistant to blight, moderately resistant to pod borer, a
29.	Lentil	RKL 20-26(D) Kota Masoor 6	Variety	ICAR-AICRP on Pulses, Agricultural University, Kota, Rajasthan	North Western Plain Zone and Central Zone of India	Suitable for rainfed normal sown cor season, yield 17.37 q/ha in NWPZ, 10 maturity 125 days (NWPZ), 111 days (C2 %), moderately resistant to rust and wilt
30.	Lentil	PSL-17	Open Pollinated Variety	National Capital Region of Delhi	Division of Genetics, ICAR-Indian Agricultural Research Institute, New Delhi	Suitable for salinity conditions , seed y maturity 125 days, iron 67.0 ppm , zinc 28.8%, moderately resistant to wilt and rus
31.	Field pea	Pant Pea 484	Open Pollinated Variety	ICAR-AICRP on Pulses, G.B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand	Punjab, Haryana, Delhi, North-West & Central Rajasthan, Western Uttar Pradesh, Plains of Uttarakhand and Jammu and Kashmir	Suitable for timely sown rainfed / irriga <i>Rabi</i> season in NWPZ, yield 23.33 q/ha, n protein content 26.17%, resistant to <i>A</i> moderately resistant to rust, powdery mi resistant to aphid, pod borer
32.	Faba bean	HFB-3 (HB 14-21)	Variety	ICAR-AICRP on Pulses, CCS Haryana Agricultural University, Hisar, Haryana	Northern plain zone of the country (Haryana, Punjab, Delhi) & Central Zone (Uttar Pradesh and Chhattisgarh).	Suitable for irrigated, timely sown <i>Rabi</i> fertility conditions, yield 23.65 q/ha, medi – 137 days), seed protein 28.05% , mode <i>Alternaria</i> leaf blight, root rot
33.	Mungbean	Lam Pesara 610 (LGG 610)	Variety	ICAR-AICRP on Pulses, RARS, Lam, Guntur, Acharya N.G. Ranga Agricultural University, Andhra Pradesh	South zone states, Andhra Pradesh, Telangana, Tamilnadu, Karnataka, Kerala and Odisha during rabi season for both rice fallows and upland conditions	Suitable for rice fallows and upland s <i>Rabi</i> season for mechanical harvesting, ; maturity 74 days, protein (23.16%), resist yellow mosaic virus
34.	Mungbean	PMS-8	Open Pollinated Variety	National Capital Region of Delhi	Division of Genetics, ICAR-Indian Agricultural Research Institute, New Delhi	Suitable for Salt affected conditions [EC Average seed yield 494.5 q/ha, Matures in
OILSEEDS						
35.	Safflower	ISF-123-sel-15	Variety	ICAR-Indian Institute of Oilseeds	Karnataka, Maharashtra, Andhra	Suitable for late sown rainfed condition , maturity 127 days, oil content high (34.

				Research, Hyderabad, Telangana	Pradesh, and Telangana	<i>Fusarium</i> wilt, moderately tolerant to h aphid infestations
36.	Safflower	ISF-300	Variety	ICAR-Indian Institute of Oilseeds Research, Hyderabad, Telangana	Maharashtra, Karnataka, Andhra Pradesh, Telangana, Madhya Pradesh, Chhattisgarh	Suitable for timely sown rainfed/irri yield 17.96 q/ha, maturity 134 days, oil resistant to <i>Fusarium</i> wilt
37.	Soybean	NRC 197		ICAR-Indian Institute of Soybean Research, Indore, Madhya Pradesh	Himachal Pradesh and Uttarakhand	Suitable for rainfed <i>Kharif</i> season , y maturity 112.67 days, non-shattering, tol resistant to insect-pest complex, resistant t resistant to semilooper, moderately resista <i>litura</i>
38.	Soybean	NRC 149		ICAR-Indian Institute of Soybean Research, Indore, Madhya Pradesh	Punjab, Haryana, Delhi, North Eastern Plains of Uttar Pradesh, Plains of Uttarakhand and Eastern Bihar	Suitable for rainfed <i>Kharif</i> season , maturity 127 days, non-shattering, non resistant to stemfly, defoliators, white fly, <i>Rhizoctonia</i> aerial blight
39.	Groundnut	Girnar 6 (NRCGCS 637)		ICAR-Directorate of Groundnut Research, Junagadh, Gujarat	Recommended for Zone I (Rajasthan, Uttar Pradesh, Punjab states and Haryana) of India	Suitable for timely sown <i>Kharif</i> season, maturity 123 days, oil content 51%, prot moderately tolerant to early and late s moderately resistant to early leaf spot, blight, collar rot, stem rot, dry root rot, leaf hoppers, thrips, <i>Spodoptera</i>
40.	Groundnut	TCGS 1707 (ICAR KONARK) Spanish Bunch		ICAR-AICRP on Groundnut, Acharya N.G. Ranga Agricultural University, Tirupati, Andhra Pradesh	Odisha and West Bengal	Suitable for timely sown rainfed/ irriga 24.76 q/ha, maturity 110-115 days, oil con content 29%, moderately resistant to foli and Rust), soil borne diseases (collar rot, root rot), moderately resistant to sucking thrips)
41.	Sesame	Tanjila (CUMS-09A)	Open Pollinated Variety	ICAR-AICRP on Oilseeds, Institute of Agricultural Science, University of Calcutta, Kolkata, West Bengal	West Bengal, Bihar, Odisha, Maharashtra, Chhattisgarh, Telangana, Karnataka, Tamil Nadu and Kerala	Suitable for irrigated, summer crop wi sown condition , seed yield 963 kg/ha - yield 438.5 kg/ha - 558.0 kg/ha, oil maturity 91 days, high degree of resistanc root rot, phyllody and powdery mildew, pests are reported
FORAGE CROPS						

42.	Forage Pearl Millet	JPM 18-7 (Jawahar Pearl Millet 18-7)	Open Pollinated Variety	ICAR-AICRP on Forage Crops, Jawahar Lal Nehru Krishi Viswaha Vidyalaya, Jabalpur, Madhya Pradesh	Rajasthan, Punjab, Haryana, Gujarat, Madhya Pradesh, Maharashtra, Uttar Pradesh, Chhattisgarh, Telangana, Andhra Pradesh, Tamil Nadu and Karnataka	Suitable for rainfed/ irrigated under condition during rainy season, yield 440 fodder), maturity 120-130 days, moderat leaf blast, grasshopper, Pyrrilla and leaf def
43.	Berseem	Jawahar berseem 08-17 (JB 08-17)	Open Pollinated Variety	ICAR-AICRP on Forage Crops, Jawahar Lal Nehru Krishi Viswaha Vidyalaya, Jabalpur, Madhya Pradesh	Madhya Pradesh, Maharashtra, Gujarat, Chhattisgarh and Uttar Pradesh	Suitable for irrigated multi-cut during wi 620-650 q/ha (green fodder), maturity tolerance for leaf spot and blight
44.	Forage Multicut Oat	Him Palam Forage Oat-1 (PLP-24)	Open Pollinated Variety	ICAR-AICRP on Forage Crops, CSK Himachal Pradesh Krishi Viswavidyalaya, Palampur, Himachal Pradesh	Himachal Pradesh, Jammu and Kashmir and Uttarakhand	Suitable for timely sown, normal fertil condition, yield 260-300 q/ha (green fodde 180-185 days, resistant to powdery mild
45.	Oat	Jawahar Oat 13-513 (JO- 13-513)	Open Pollinated Variety	ICAR-AICRP on Forage Crops, Jawahar Lal Nehru Krishi Viswaha Vidyalaya, Jabalpur, Madhya Pradesh	Punjab, Haryana, Uttar Pradesh, Uttarakhand, Odisha, Bihar, Jharkhand, Assam and Uttar Pradesh	Suitable for Oat growing areas of eastern e zone, yield 225-250 q/ha (green fodder 135-145 days, moderately resistance to lea
46.	Forage Maize	Pusa Forage Maize Hybrid-1 (AFH-7)	Hybrid	ICAR-Indian Agricultural Research Institute, New Delhi	Tarai region of Uttarakhand, Punjab, Haryana and Rajasthan	Suitable for irrigated, Kharif season, gr 413.1 q/ha, maturity 95-105 days, high fiber (ADF) - 41.9%, neutral detergent 62.5%, In-Vitro dry matter digestibil 56.4%, resistant to Maydis leaf moderately resistant to <i>Chilo partellus</i>
47.	Fodder Maize	HQPM 28	Hybrid	ICAR-AICRP on Forage Crops, CCSHaryana Agricultural University, Regional Research Station, Karnal, Haryana	All fodder growing areas of Central Zone (Uttar Pradesh (Bundelkhand region), Maharashtra, Madhya Pradesh, Chhattisgarh)	Suitable for Central Zone during <i>Kharif</i> se q/ha (green fodder), 79.06 q/ha (dry m (seed yield), 7.0 q/ha (crude protein), n three-way Quality Protein Maize (QPM) silage, resistant to <i>Maydis</i> leaf blight, BLS checks for resistance against fall army wor

48.	Forage Sorghum	CSV 57F (SPV 2801) (UTFS 111)	Open Pollinated Variety	ICAR-AICRP on Forage Crops, G.B. Pant University of Agriculture & Technology, Pantnagar	Haryana, Punjab, Uttarakhand, Gujarat, Uttar Pradesh, Rajasthan and Delhi	Suitable for rainfed Kharif , yield - 435q/t 139q/ha (dry fodder), maturity 130-135 t leaf disease viz. grey leaf spot, sooty stri zonate leaf spot, tolerant to shoot fly, stem
SUGARCANE						
49.	Sugarcane	Karan 17 (Co 17018)	Variety	ICAR-Sugarcane Breeding Institute, Coimbatore, Tamil Nadu	North West Zone (Haryana, Punjab, western and central Uttar Pradesh, Rajasthan, Uttarakhand)	Suitable for irrigated timely to late sown s q/ha, maturity 330-360 days, sucrose 12.78% , tolerant to salinity, resistant resistant to red rot, resistant to susceptible resistant to moderately resistant to YLD, le shoot borer, stalk borer and top borer
50.	Sugarcane	IKHSU-16 (CoLk 16202)	Open Pollinated Variety	ICAR- Indian Institute of Sugarcane Research, Lucknow, Uttar Pradesh	Punjab, Haryana, Uttarakhand, Rajasthan, Central and Western Parts of Uttar Pradesh	Suitable for irrigated condition, yield 9. (% 17.74, CCS 114.3 q/ha, maturity e tolerant to drought , moderately resista CF13 of red rot pathogen, smut, wilt
51.	Sugarcane	IKHSU-17 (CoLk 16470)	Open Pollinated Variety	ICAR- Indian Institute of Sugarcane Research, Lucknow, Uttar Pradesh	Eastern Part of Uttar Pradesh, Bihar, Jharkhand, West Bengal and Assam	Suitable for irrigated condition, yield 825.0 95. 9 q/ha, sucrose 17.37%, maturity 360 performance under waterlogged condi resistant to red rot, smut, least susceptible pests
52.	Sugarcane	CoPb 99 (CoPb 17215)	Open Pollinated Variety	ICAR-AICRP on Sugarcane, PAU Regional Research Station, Kapurthala, Punjab	Punjab, Haryana, Uttarakhand, Rajasthan, Central and Western Parts of Uttar Pradesh	Suitable for growing in medium and high irrigated subtropical climatic condition season, yield - CCS 112.7 q/ha, mean c q/ha, sucrose 18.01% , maturity – mid-l moderately resistant / resistant to prevalen less susceptible towards early shoot bore top borer
FIBRE CROPS						
53.	Cotton	CICR-H Bt Cotton 65 (ICAR -CICR 18 Bt)	Hybrid	ICAR-Central Institute of Cotton Research, Nagpur, Maharashtra	Central Zone	Suitable for rainfed condition , yield 15. 140-150 days, resistant to most of the disea blight, grey mildew, <i>Alternaria</i> , <i>Corync Myrothcicum</i> , tolerant to most of the p aphids, thrips, leaf hopper

54.	Cotton	CICR- H Bt Cotton 40 (ICAR-CICR-PKV 081 Bt)	Hybrid	ICAR-Central Institute of Cotton Research, Nagpur, Maharashtra	South Zone	Suitable for rainfed condition , yield 17.140 to 150 days, resistant to jassids, thrips, tolerant to bacterial leaf blight, <i>Alternaria</i> mildew
55.	Cotton	Shalini (CNH 17395) (CICR-H Cotton 58)	Hybrid	ICAR-Central Institute for Cotton Research, Nagpur, Maharashtra	Madhya Pradesh, Maharashtra & Gujarat	Suitable for rainfed <i>Kharif</i> condition, maturity 160 to 165 days, brown linted cotton suitable for handloom weaving , tolerant to pests, bollworms, resistant to disease free leaf spot, bacterial blight, <i>Corynespora</i> Central Zone under rainfed conditions
56.	Cotton	CNH-18529 (CICR-H NC Cotton 64)	Hybrid	ICAR-Central Institute for Cotton Research, Nagpur, Maharashtra	Chhattisgarh, Gujarat, Madhya Pradesh and Maharashtra)	Suitable for rainfed and irrigated condition , yield of 10.11 q/ha, maturity 160-170 days, resistant to aphids, jassids, whitefly, thrips, <i>Heliothis</i> bollworms, resistant to moderately resist leaf spot, grey mildew, bacterial blight leafspot, rust
57.	Cotton	PDKV Dhawal (AKA-2013-8)	Hybrid	AICRP on Cotton, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola, Maharashtra	Madhya Pradesh, Maharashtra and Gujarat	Suitable for timely sown <i>Kharif</i> under rainfed condition, yield 12.84 q/ha, maturity 160-180 days, resistant to jassids, hoppers, bacterial leaf blight, <i>Myrothecium</i> leaf spot, <i>Alternaria</i> leaf spot, Grey mildew
58.	White Jute	JRC 9	Variety	ICAR-Central Research Institute for Jute and Allied Fibres, Barrackpore, Kolkata, West Bengal	West Bengal, Odisha, Bihar, Uttar Pradesh, Tripura and Assam	Suitable for timely sown rainfed/ irrigated condition, yield 31.97 q/ha, maturity 110 – 120 days (seed), fibre fineness - 1.74 tex, fibre strength - 18.5 g/tex, tolerant to stem rot and root rot, tobacco mite, Bihar hairy caterpillar, jute semilooper
POTENTIAL CROPS						
59.	Buckwheat	Him Tara (EC125940)	Variety	ICAR - National Bureau of Plant Genetic Resources - Regional Station, Shimla, Himachal Pradesh	Northern Hill zone (Himachal Pradesh and Uttarakhand)	Suitable for rainfed Kharif hilly areas, yield 12.06 q/ha, maturity 92.06 days triangular dark leaf protein content of 13.10% and low phenol content, no disease or insect pest infestation reported
60.	Amaranth	Him Gauri (IC037156)	Variety	ICAR - National Bureau of Plant Genetic Resources - Regional Station, Shimla, Himachal Pradesh	Northern Hills Zone (NHZ) Himachal Pradesh and Uttarakhand	Suitable for grain purposes cultivation during winter season in mid to high hilly areas , seed maturity 128.46 days, significantly high protein content (7.18 g/ 16g N) , higher total protein content , no disease or insect pest infestation reported

61.	Grain Amaranth	RMA 120 (Jodhpur Rajgira 2)	Variety	ICAR-All India Network Project (AINP) on Potential Crops, Agriculture University Jodhpur, Mandor, Rajasthan	WZ (Rajasthan, Gujarat, Maharashtra); NPZ (U.P.); EZ (Odisha, Jharkhand) and CZ (Chhattisgarh)	Suitable for plains areas of the country high fertility condition, 14.05 q/ha seed early (119-128 days), high protein content (8.33%) and lysine 4.72% , no insect pest observed
62.	Grain Amaranth	Gujarat Amaranth 8 (GA 8) SKNA 1407	Variety	ICAR-AINP on Potential Crops, S.D. Agricultural University Sardarkrushinagar, Gujarat	WZ (Gujarat, Rajasthan, Maharashtra), NPZ (Uttar Pradesh, CZ (Chhattisgarh), EZ Jharkhand and Odisha)	Suitable for cultivation in plain areas of the season, yield 14.55 q/ha, maturity 97 – 127.33 days), protein content 12.21, oil and lysine content 5.03% , least incidence and diseases
63.	Grain Amaranth	VL Chua 140	Open Pollinated Variety	ICAR - Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora, Uttarakhand	Uttarakhand, Himachal Pradesh	Suitable for rainfed Kharif ecology , yield maturity 125-127 days, fertilizer response insect pests and disease incidence was reduced the location
64.	Winged bean	PWB 17-18 (Phule Shrawani)	Variety	ICAR-AINP on Potential Crops, Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra	WZ (Maharashtra), CZ (Chhattisgarh), NPZ (Uttar Pradesh) and EZ (Jharkhand state)	Suitable for irrigated well drained soil fertility in <i>Kharif</i> season, seed yield 13.81 yield 142.96 q/ha, maturity late - 160 – 16 – 95 days (seed to pod), contains 24.95% oil, no disease and pests observed
65.	Adzuki bean	Him Jwala (IC341939)	Variety	ICAR - National Bureau of Plant Genetic Resources, Shimla, Himachal Pradesh	Northern Hills zone (Himachal Pradesh, Uttarakhand) and part of Northeastern States	Suitable for Northern hilly areas during season, yield 19.54 q/ha, maturity 108 days (protein 21.07%, K 1729 mg/100 g, Na 1 286 mg/100 g, Fe 8.4 mg/100 g), no disease infestation was reported under natural field
66.	Pillipesara	Prathama (OUAT Kalinga Pillipesara-1) (IC 524667)	Variety	ICAR-AINP on Potential Crops, Odisha University of Agriculture & Technology, Bhubaneswar, Odisha	Odisha (Eastern Zone) & Tamil Nadu (Southern Zone)	Suitable for early sowing irrigated upland in <i>Kharif</i> , yield – seed 1.82 q/ha, green leaf q/ha containing crude protein (17.3% (17.62%), ether extract (1.17%), acid (1.60%) , maturity medium (83 days), no pest infestation was reported under natural resistant to YMV
67.	Kalingada (Water melan)	SKNK 1407 (Gujarat Kalingada 3)	Variety	ICAR-AINP on Potential Crops, S.D. Agricultural University Sardarkrushinagar, Gujarat	Gujarat and Rajasthan	Suitable for rainfed Kharif season , yield 89.81q/ha (fruit), maturity 77 - 87 days, to seeds contain higher amount of oil (33 (18.13 %), Fe (5.97 mg/100g), good amount fiber, phenol, Zn, lysine , no major diseases pests were observed

68.	Perilla	Poorvottar Perilla-2 IC-615382	Variety	ICAR-Regional Centre for North Eastern Hill Region Umiam, Meghalaya	NHZ and NEHZ (Uttarakhand, Manipur, Meghalaya, Mizoram, Sikkim, Arunachal Pradesh and Nagaland)	Suitable for rainfed <i>Kharif</i> hilly ecosystem Zone (NHZ) and North Eastern Hill Zone 10.33 q/ha, maturity medium-late (163.6 tolerant, very useful as oriental medicinal, asthmatic, antibacterial, antidote, antipyretic, antiseptic, antispasmodic, aromatic, carminative, diaphoretic, expectorant, pectoral, restorative, stomachic ; no diseases were observed at both reproductive stages, resistant to aphids
69.	Perilla	Poorvottar Perilla-1 (IC-615369)	Variety	ICAR-Regional Centre for North Eastern Hill Region Umiam, Meghalaya	NHZ and NEHZ (Uttarakhand, Manipur, Meghalaya, Mizoram, Sikkim, Arunachal Pradesh and Nagaland)	Suitable for rainfed <i>Kharif</i> hilly ecosystem Zone (NHZ) and North Eastern Hill Zone 11.15 q/ha, maturity medium-late (160.6 tolerant, very useful as oriental medicinal, asthmatic, antibacterial, antidote, antipyretic, antiseptic, antispasmodic, aromatic, carminative, diaphoretic, expectorant, pectoral, restorative, stomachic ; no diseases were observed at both reproductive stages, resistant to aphids
HORTICULTURAL CROPS						
Fruits						
70.	Mango	Arka Udaya	Hybrid	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka	All mango growing states	It is a hybrid between Amrapali x Arka, semi-vigorous and having the bunch bearing habit. Fruits have pink blush on peel and good oblong in shape with the average weight 150-200 g. Fruits are orange yellow thick pulp with high TSS (20-22 mg/100 g of total carotenoids and long keeping quality 12-15 days. It is late bearing, having yield 20 t/ha at the spacing of 5 m x 5 m.
71.	Mango	Ambika	Hybrid	ICAR- Central Institute for subtropical Horticulture, Lucknow- Uttar Pradesh	All mango growing states	It is a climate resilient hybrid (Amrapali x Pasand) recommended for subtropical and semi-arid regions. It is a regular bearer, high yielding and late maturity type. Fruits have attractive dark red to black coloured peel, pulp dark yellow, firm with high TSS. Fruits weigh about 300-350 g, TSS is more than 20%. It is rich in mangiferin content. Yields about 20 t/ha after about 10 years of planting. It has good potential for internal and export markets.
72.	Mango	Arunika	Hybrid	ICAR- Central Institute for subtropical Horticulture, Lucknow- Uttar Pradesh	All mango growing states	It is a dwarf hybrid developed by crossing Amrapali x Vanraj. It is a regular bearer with late maturity. Fruits are smooth, orange yellow to red, keeping quality excellent with high TSS. Medium fruit weight (190-210 g), good keeping quality, pulp orange-yellow, with scanty fibre and high mangiferin and lupeol contents. Yields about 20 t/ha by about 10 years of planting under irrigated conditions.

						practice. It has wider adaptability, suitable in subtropical and tropical regions.
73.	Pomegranate	Solapur Anardana	Hybrid	ICAR-National Research Centre on Pomegranate, Solapur, Maharashtra	All pomegranate growing states	It is a processing variety developed from the cross of Bhagawa x [(Ganesh x Nana) x Daru]. Fruit maturity period is 148-150 days, with yield of 30.72 kg/tree. It has red aril and rind (16.6°Brix), high titratable acidity (4.8% mg/100 g), moderate anthocyanins (456 mg/100 g pulp) and is a good anardana recovery (21.6%). It is bacterial blight and drought tolerant.
74.	Guava	Lalit	Open Pollinated Variety	ICAR- Central Institute for subtropical Horticulture, Lucknow- Uttar Pradesh	Uttar Pradesh	Fruits are round, medium sized with thick skin (2.5-3 cm). The variety is heavy bearing having saffron fruits (185-200 g) with red blush, pulp firm with good sugar & acid blend. It has about 10% 'C' content. Fruits have high lycopene (10 mg/100 g pulp) and is a dual-purpose variety both table and processing purpose.
75.	Guava	Arka Kiran	Open Pollinated Variety	ICAR-Indian Institute of Horticultural Research, Bangalore, Karnataka	Andhra Pradesh, Karnataka and Maharashtra Tamil Nadu,	Climate resilient variety having semi-vigorous habit. Fruits are round, medium sized (180-200 g) with red blush, pulp firm with good sugar & acid blend. It has about 10% 'C' content. Fruits have high lycopene (7.41 mg/100 g pulp) and medium anthocyanins (190 to 200 mg/100g) with stable flavonoid content. Yield of 38 to 40 kg /tree/year after 4 th year of planting. Wider adaptability is tropical and sub-tropical.
76.	Bael	Swarna Vasudha	Open Pollinated Variety	ICAR - Research Complex for Eastern Region, Patna, Bihar	Jharkhand	It is a medium vigorous, regular bearing, tree bearing 1800 g, high yield under rainfed conditions. Fruit weight 1800 g, high pulp recovery (>80%), TSS(>40%) (0.54%). The fruit is low seed content (<2%) (< 2 mm). The plant is semi vigorous having yield of 17-19 t/ha in High Density Planting (5 m x 5 m).
77.	Pummelo	Arka Chandra	Individual Plant Selection	ICAR-Indian Institute of Horticultural Research, Bangalore, Karnataka	All Citrus growing states	Arka Chandra (clone 18-5) is a clonal accession 18 that is being maintained in the gene bank at IIHR, Bengaluru. The tree is medium-sized and spreading. It is a medium vigorous, tree bearing 40 fruits/plant/season after 4 years of planting. Fruit weight ranged from 0.8-1.0kg, spheroid fruit with white pulp, TSS (11-12°B), acidity (0.89%) and taste with lower amount of Naringenin (3-4 mg/100 g pulp).
	Vegetables					

78.	Tomato	Pusa Shakti	Open Pollinated Variety	ICAR-Indian Agricultural Research Institute, New Delhi	Chhattisgarh, Odisha, Andhra Pradesh and Telangana	This tomato variety is suitable for open during May-October. Ripe fruits have a thick pericarp (1.5-2.0 mm), moderate TSS (4.8°Brix), and lycopodium content. Due to the thick pericarp, it is easy to transport. is also tolerant to high temperatures. The average yield is 351 q/ha.
79.	Tomato	Pusa Tomato Hybrid 6	Hybrid	ICAR-Indian Agricultural Research Institute, New Delhi	Chhattisgarh, Orissa, Telangana and Andhra Pradesh	This tomato hybrid is resistant to including, ToLCD (tomato leaf curl disease) and Fusarium-wilt and bacterial wilt. It has 100 mg/100 ml of juice) and is suitable for rabi seasons with duration of 130-150 days. The fruits (80-90 g) are heart-shaped with diameter (0.5 cm), moderate TSS (>4.50°Brix), high lycopodium content. Average yield is 900 q/ha in <i>kharif</i> (autumn) and 600 q/ha in <i>rabi</i> (spring-summer).
80.	Bottle gourd	Kashi Shubhara	Open Pollinated Variety	ICAR- Indian Institute of vegetable Research Varanasi, Uttar Pradesh	Uttar Pradesh, Bihar, Jharkhand and Punjab	This variety is suitable for kharif, zaid and post-monsoon production under low tunnel/ protected cultivation. Fruits are light green, smooth cylindrical (8-10 cm) to medium long (28-30 cm). Suitable for long distance transportation and export keeping quality. The yield potential is 600 q/ha.
81.	Okra	Arka Nikita	Hybrid	ICAR- Indian Institute of Horticultural Research, Bengaluru	Karnataka	Genic Male sterility based F₁ hybrid resistant to viral disease. Fruits are dark-green, tender, free from spines, and rich in iodine (33.38 µg/g). It has yield potential of 21 to 24 t/ha.
82.	Indian bean	Kashi Bouni Sem- 207	Open Pollinated Variety	ICAR- Indian Institute of vegetable Research Varanasi, Uttar Pradesh	Punjab, Uttar Pradesh, Bihar, Jharkhand, Rajasthan, Gujarat, Haryana and Delhi	Bushy in growth habit (plant height 1.5-2.0 m). Picking starts at 90-95 days after seed sowing. Fruits are available up to last week of March. Pods are 10-12 cm length; 2.50-2.80 cm in width and weight 10-12 g. tolerant to DYMV and high temperature. average yield 236 q/ha in 5 pickings.
83.	Indian Bean	Arka Vistar	Open Pollinated Variety	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka	Karnataka	It is a climate resilient, pole type and high yielding variety. Pods are long, thick, very broad and green coloured. It has pod yield of 37.0 t/ha after 90 days.
84.	Muskmelon	Thar Mahima	Open Pollinated Variety	ICAR- Central Institute for Arid Horticulture, Bikaner, Rajasthan	Rajasthan	Fruits are round (780-900 g) having 11.80°Brix. Flesh is salmon orange and netted with sutures. It is characterized by large leaves with marketable yield of 200 q/ha. high temperature.

85.	Watermelon	Thar Tripti	Open Pollinated Variety	ICAR- Central Institute for Arid Horticulture Beechwal, Bikaner- Rajasthan	Madhya Pradesh, Maharashtra and Goa	Fruits are attractive and characterized by round shape. The fruit weight 2.3-3.4 kg w colour. TSS ranges from 11.5-12.17 thickness can range from 5.0-1.8 cm; Th fruits can be carried out 75-80 days af tolerant to mosaic disease and has averag
	Tuber Crops					
86.	Potato	Kufri Chipsona-5	Vegetatively Propagated, self- pollinated	ICAR-Central Potato Research Institute, Shimla, Himachal Pradesh	Haryana, Uttarakhand, Uttar Pradesh, Madhya Pradesh, Gujarat and Chhattisgarh	It produces white cream, ovoid tubers with eyes and creamy flesh and has good ambient conditions. Medium maturing (90 yielding variety (35 t/ha) for processing use . It has 21% tuber dry matter, low suga g FW) and acceptable chip colour. It resistance to late blight.
87.	Potato	Kufri Jamunia	Vegetatively Propagated, self- pollinated	ICAR- Central Potato Research Institute, Shimla, Himachal Pradesh	Haryana, Punjab, Uttar Pradesh, Uttarakhand Plains, Madhya Pradesh, Rajasthan, Chhattisgarh, Gujarat, Odisha, Assam, West Bengal and Bihar	It produces dark purple oblong tubers w and purple flesh. Medium maturing (90- yielding variety (32-35 t/ha) suitable for high antioxidants (ascorbic acid: 52 r 163 ug, anthocyanins: 32 mg/100 g f flesh, with high tuber dry matter . It h quality.
88.	Potato	Kufri Bhaskar	Vegetatively Propagated, self pollinated	ICAR-Central Potato Research Institute, Shimla- Himachal Pradesh	Haryana, Punjab, plains of Uttarakhand, Uttar Pradesh-early season planting) and Central plains (Rajasthan, Gujarat, Chhattisgarh for main planting)	It is a heat tolerant variety having n burn tolerance. Early-medium maturing (good yield potential (30-35 t/ha) and long ambient conditions. It produces white-cre with shallow medium eyes and cream colo
	Spices					
89.	Nutmeg	Kerala Shree	Open Pollinated Variety	ICAR-Indian Institute of Spices Research, Kozhikode, Kerala	Kerala, Tamil Nadu, and other nutmeg growing areas of India	First farmers participatory variety wit fully covered mace. Dry nut weight of mace wt. of 1.6-2.1g. Nut yield of 7560 kg yield of 1512 kg/ha in 8th year of plant mace oil are 5.9 and 7.5%, respectively. mace is 9.1%.
90.	Small Cardamom	IISR Manushree	Open Pollinated Variety	ICAR- Indian Institute of Spices Research, Kozhikode, Kerala	Karnataka and Kerala	Drought tolerant variety with average yi capsules/ ha under irrigated conditions capsules/ha under moisture stress conditio the capsules are bold (> 8 mm) and stable.

91.	Small Cardamom	IISR Kaveri	Open Pollinated Variety	ICAR- Indian Institute of Spices Research, Kozhikode, Kerala	Karnataka	<p>Drought tolerant variety with average yi capsules/ha under irrigated conditions : capsules/ha under moisture stress condition</p> <p>Compact flowering variety with 70 % of t 8 mm.</p> <p>High essential oil 9.08 % (irrigated con (moisture stress conditions) content</p>
92.	Fennel	RF-290	Open Pollinated Variety	AICRP on Spices, S.K.N. College of Agriculture, (SKN Agriculture University) Jobner (Rajasthan).	Rajasthan, Gujarat, Uttar Pradesh, Bihar, and Haryana	<p>This variety is most suitable under conditions. Moderately cool weather favor as well as the quality of the produce.</p> <p>Plants are erect and tall plants, medium ma branches and umbels per plant, more um per umbel and long & bold seeds. It potential.</p> <p>The seed yield of this variety is 2065 kg/h resistant to ramularia blight.</p>
93.	Ajwain	Gujarat Ajwain 3	Open Pollinated Variety	AICRP on Spices, Sardarkrushinagar Dantiwada Agricultural University, Jagudan, Sardarkrushinagar, Gujarat	Gujarat, Rajasthan, Haryana, Andhra Pradesh, Uttar Pradesh and Chhattisgarh	High yielding with an average seed yield has a greater number of umbels per plant, per umbel, bold seed size (Test weight 1. for growing in dry tracts
94.	Mango ginger	IISR Amrit	Open Pollinated Variety	ICAR- Indian Institute of Spices Research, Marikunnu, (Post) Kozhikode, Kerala	Kerala, Bihar, Odisha, West Bengal, Chhattisgarh and Gujarat	Bold rhizomes, high yield (45.75 t/ha), 1 desirable flavour (myrcene and β pinen 0.32% Essential oil. Tolerant to rhizome re
	Plantation Crops					
95.	Cocoa	Vittal Cocoa Hybrid-1	Hybrid	ICAR- Central Plantation Crops Research Institute, Kasaragod, Kerala	Kerala, Karnataka and Tamil Nadu	<p>Early bearing, stable, high yielder with both under arecanut & coconut shades and density planting. High dry beans yield 1.4 in 15-18 m² canopy. Large bean size standard (1-1.10 g). It has desirable pro chocolate industry with 13% shelling, 8' >50% fat, 1% free fatty acids, rich in Fe :</p> <p>Withstands black pod rot and tea infestation and is tolerant to low moistu</p>

96.	Cocoa	Vittal Cocoa Hybrid-2	Hybrid	ICAR- CPCRI, Kasaragod, Kerala	Kerala, Karnataka, Tamil Nadu, Andhra Pradesh and Gujarat	Early bearing, high yielder with black resistance both under arecanut & cocoa beans yield 1.5-2.5 kg/tree/year in 14-20 months. Beans (1-1.2 g), have processing value for confectionery industry. It has 13% shelling, 87% nib fat, 1% free fatty acids, rich in Fe and Zn . Suitable for high density planting and has resistance to tea mosquito bug and low moisture stress .
97.	Cashew	Nethra Jumbo-1	Hybrid	ICAR- Directorate of Cashew Research, Puttur, Dakshina Kannada District, Karnataka	Karnataka	It is a variety suitable for rainfed conditions (12 g), with premium grade kernel (W130) suitable for on harvesting and ensures about 10% higher yield over the bigger size nuts and higher yield over the Bhaskara and NRCC Selection-2. It is cluster bearing with 5-6 fruits per panicle. The nut size is uniform and bold with 3.4 g average weight, and has ea
98.	Cashew	Nethra Ganga (H-130)	Hybrid	ICAR- Directorate of Cashew Research, Puttur, Dakshinakannada, Karnataka	Karnataka	It has bold nuts (12-13 g) and high yield cluster bearing habit, high precocity with uniform panicles. It has high shelling value (20%) and early flowering with uniform sweet kernels. It is suitable for high density planting under rainfed conditions.
99.	Coconut	Kalpa Suvarna	Open Pollinated Variety	ICAR-Central Plantation Crops Research Institute, Kasaragod, Kerala	Karnataka and Kerala	It is a dwarf, high yielding, dual purpose variety with green coloured, oblong fruits having coconut water and good quality copra. variety (30-36 months after planting) suitable for processing for tender coconut water and cc
100.	Coconut	Kalpa Shatabdi	Open Pollinated Variety	ICAR- Central Plantation Research Institute, Kasaragod, Kerala	Kerala, Karnataka and Tamil Nadu	This is a dual purpose coconut variety, suitable for copra and tender nut processing. It has greenish yellow fruits with greater volume and good quality tender nut water and high yield (273 g) .
Flower Crops						
101.	Marigold	Pusa Bahar	Open Pollinated Variety	ICAR-Indian Agricultural Research Institute, New Delhi	Punjab, Uttar Pradesh, Bihar and Jharkhand, Chhattisgarh, Odisha, Andhra Pradesh and Telangana, Rajasthan, Gujarat, Haryana and Delhi, Madhya Pradesh, Maharashtra and Goa.	This variety is vigorous having plant height 1.5-2 m. It produces compact, flattened, attractive (8-9 cm) flowers of yellow colour (RHS 9A). It is very floriferous, producing on average 10-15 large-sized flowers per plant. It is suitable for bedding in gardens as well as for cut flower decorations (loose flowers). It is flower tolerant to high temperature.

102.	Tuberose	Arka Vaibhav	Hybrid	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka	of West Bengal, Assam, Punjab, Uttar Pradesh, Bihar, Rajasthan, Delhi, Maharashtra, Karnataka and Tamil Nadu	It produces double-type flowers on medium flower buds are greenish in colour, floral colour and ideal as a cut flower. The yield from 2.5-3.0 lakh spikes/ ha/ year. It has root knot nematode.
103.	Crossandra	Arka Shreeya	Hybrid	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka	of Andhra Pradesh, Maharashtra and Karnataka	Novel flower colour orange-red florets (C 32A), high loose flower yield (2269.2 kg/ha) yield (172.67%) over Local check. Mod to Phytophthora wilt.
104.	Gladiolus	Arka Amar	Hybrid	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka	of Himachal Pradesh, Punjab, Jharkhand, Andhra Pradesh and Maharashtra	The flowers are red colour having red line on tepals with yellow blotch. It has 8 cm) with good rachis length (50 cm) and per spike. It yields 1.81 flower spikes and 23 cormels. It is highly resistant to disease. It is suitable for cut flower, floral garden display.
105.	Gladiolus	Arka Aayush	Hybrid	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka	of West Bengal, Punjab, Rajasthan and Maharashtra	Its florets are with a unique colour: Blotch border. The florets are open-faced, thick and arranged in double rows. It is resistant to wilt disease. Suitable for cut flower, bouquet floral arrangement and garden display.
Medicinal Plants						
106.	Velvet Bean	Arka Dhanvantari	Open Pollinated Variety	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka	of Karnataka	Long duration variety (180-190 days) trichomes on pods. High seed yield of 2-2.5 t/ha. L-Dopa content of 4.5 to 5.5%. It is tolerant.
107.	Velvet Bean	Arka Daksha	Open Pollinated Variety	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka	of Karnataka	Medium duration variety comes to maturity after sowing. It has non-itchy trichomes seed yield of 1.6- 2 t/ha with high L-Dopa 4.5%.

108.	Ashwagandha	Arka Ashwagandha	Open Pollinated Variety	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka	Karnataka	It is pure line selection with high dry ro q/ha and total withanolide conten Characterized by pencil thick roots and d of around 30 cm. It has early vigour, fi bacterial wilt, late blight diseases Epilachna beetle, mites and aphids.
109.	Mandukaparni	Arka Prabhavi	Open Pollinated Variety	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka	Karnataka	It produces 13 tonnes of fresh herb and 1 herb/ ha/ year with higher asiaticoside and higher tri-terpenoid content (7.2 herbal industries for extraction of triter]

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