

List of Notified Varieties from 2009-19

Name of the Institute: ICAR-Indian Institute of Horticultural Research, Bengaluru – 560 089

Chilli - Arka Haritha [MSH 96]	
Year of Release	2012 (Gazette Notification No. SO 456 (E) dt.6.03.2012)
Recommended area	Karnataka
Suitability	Kharif and Rabi –summer seasons
Salient features	<ul style="list-style-type: none"> • F₁ hybrid of the cross IHR 3905 (CGMS) X IHR 3312 • High yielding hybrid with 35-38t / ha fresh yield and 5-5.5t/ ha dry yield • Fruits are green and turn to red on maturity, smooth • Highly pungent; tolerant to powdery mildew & viruses
Developed by	ICAR-Indian Institute of Horticultural Research, Bengaluru – 560 089

French bean - Arka Anoop	
Year of Release	2012 (Gazette Notification No. SO 456 (E) dt.6.03.2012)
Recommended area	Karnataka
Suitability	Kharif and Rabi seasons
Salient features	<ul style="list-style-type: none"> • Resistant for rust and bacterial blight. • Pods are long (17-18 cm), flat and straight. • Yield 20 t/ha in 70 days
Developed by	ICAR-Indian Institute of Horticultural Research, Bengaluru – 560 089

Tomato- Arka Samrat	
Year of Release	2016 (Notified during 24 th meeting of CSCNRV on Hort. Crops held on 22.09.2016)
Recommended area	Zone VIII (Karnataka, Tamil Nadu, Andhra Pradesh and Kerala)
Suitability	Suitable for summer, <i>kharif</i> & <i>rabi</i> cultivation
Salient features	<ul style="list-style-type: none"> • High yielding F₁ hybrid developed by crossing IIHR-2835 X IIHR-2832. • First F₁ Hybrid with triple disease resistance to ToLCV, BW and early blight. • Fruits oblate to high round, large (90-110g), deep red and firm. Suitable for fresh market. • Yields:80-85 t/ha. in 140 days.
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Chilli - Arka Neelanchal Prabha	
Year of Release	Released in 2017 by SVRC (Letter No- 2MA (H 1) 13/2010/ 1/ 4512/ Hort dated 05.04.2017)
Recommended area	Odisha
Suitability	Suitable for Rabi season
Salient features	<ul style="list-style-type: none"> • A mid- season variety developed through selection suitable for both green and red chilli • Fruits are medium long, first harvesting starts at 65-70 days of planting • It is moderately tolerant to anthracnose • Yield potential: 10-12t/ha
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Brinjal- Arka Neelachal Shyama	
Year of Release	Released in 2017 by SVRC (Letter No- 2MA (H 1) 13/2010/1 /4512/ Hort dated 05.04.2017)
Recommended area	Odisha
Suitability	Suitable for Rabi season
Salient features	<ul style="list-style-type: none"> • F₁ hybrid of the cross MS4 (A line) X IHR 3315(R line) It is an early variety developed through selection • Suitable for rabi season • Fruits are round and green with light purple shade • Fruits weigh: 190-200g • It is moderately tolerant to <i>Phomopsis</i> blight • Yield potential: 34t/ha.
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Ivy gourd - Arka Neelachal Sabuja	
Year of Release	Released in 2017 by SVRC (Letter No- 2MA (H 1) 13/2010/1/ 4512/ Hort dated 05.04.2017)
Recommended area	Odisha
Suitability	Perennial, suitable for growing during kharif and summer season
Salient features	<ul style="list-style-type: none"> • The plants are very vigorous (>10m long) and produce high biomass • Fruits are dark green in appearance with fractured stripe and conical in shape • It gives 70-80 harvest per season (10-11 months) • Yield potential: 20-25 t/ha.
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Ivy gourd- Arka Neelachal Kunkhi	
Year of Release	Released in 2017 by SVRC (Letter No- 2MA (H 1) 13/2010/1/4512/ Hort dated 05.04.2017)
Recommended area	Odisha
Suitability	Perennial, suitable for growing during kharif and summer season
Salient features	<ul style="list-style-type: none"> • A dual-purpose (salad as well as cooked) early variety • Yield potential: 20-25 t/ha • Fruits are extra-long (8.39 cm), weighing around 15-20g, uniform, cylindrical with attractive stripes. • It produces around 800 fruits in a season
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Pointed Gourd - Arka Neelachal Kirti	
Year of Release	Released in 2017 by SVRC (Letter No- 2MA (H 1) 13/2010/1/4512/ Hort dated 05.04.2017)
Recommended area	Odisha
Suitability	Perennial, suitable for growing during kharif and summer season
Salient features	<ul style="list-style-type: none"> • Fruits are spindle shaped, dark green in colour with 3-4 fragmented stripes of cream colour • Fruit size: Medium (10.45 x 3.5 cm) • Fruit weight: Around 40-45g with solid core • Yield potential: 15t/ha.
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Spine Gourd - Arka Neelanchal Shanti	
Year of Release	Released in 2017 by SVRC (Letter No- 2MA (H 1) 13/2010/1/4512/ Hort dated 05.04.2017)
Recommended area	Odisha
Suitability	Perennial, suitable for growing during kharif and summer season
Salient features	<ul style="list-style-type: none"> • It is developed through hybridization between spine gourd and teasel gourd, naturally pollinated • Yield potential: High (15-16 kg/vine) • Fruit size: Medium (20g) • Moderately tolerant to fruit borer, <i>anthracnose</i> and downy mildew
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Teasel Gourd -Arka Neelachal Gaurav	
Year of Release	Released in 2017 by SVRC (Letter No- 2MA (H 1) 13/2010/1/4512/ Hort dated 05.04.2017)
Recommended area	Odisha
Suitability	Perennial, suitable for growing during kharif and summer season
Salient features	<ul style="list-style-type: none"> • Fruits are attractive, uniform lush green round-oval fruit with soft seed and high-quality edible portion for culinary purposes • Tolerant to downy mildew and anthracnose • Yield potential: 18-20 t/ha
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Guava-Arka Kiran	
Year of Release	2019 (Notified during 27 th meeting of CSCNRV on Hort.Crops held on 02.09.2019)
Recommended area	Karnataka
Suitability	Kharif and Rabi seasons
Salient features	<ul style="list-style-type: none"> • It is a pink pulp variety with average fruit weight of 200-220g with medium soft seeds (9 kg/cm²). • Fruits have TSS of 11-12^o brix and lycopene content of 7.14mg/100g. • Crop will come to harvest after two years of planting. • Economic yield starts after five years with average fruit yield of 20t/acre in a spacing of 4m x3 m.
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Chilli - Arka Khyati	
Year of Release	2019 (Notified during 27 th meeting of CSCNRV on Hort.Crops held on 02.09.2019)
Recommended area	Karnataka
Suitability	Kharif, Rabi-summer seasons
Salient features	<ul style="list-style-type: none"> • F₁ hybrid of the cross MS4 (A line) X IHR 3315(R line) (INGR No. 05024). • High yielding hybrid with 35-38t / ha fresh yield and 5-5.5t/ ha dry yield; fruits are smooth and highly pungent; green and turn to red on maturity. • Tolerant to powdery mildew & viruses.
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French bean -Arka Sharath	
Year of Release	2019 (Notified during 27 th meeting of CSCNRV on Hort.Crops held on 02.09.2019)
Recommended area	Karnataka
Suitability	Kharif and Rabi seasons
Salient features	<ul style="list-style-type: none"> • Plants are bushy and photo-insensitive. • Round, string less, smooth pods suitable for steam cooking. • Pods are crisp, fleshy with no parchment and perfectly round on cross section. • Pod yield: 18.5 t/ha in 70 days.
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Onion- Arka Bheem	
Year of Release	2019 (Notified during 27 th meeting of CSCNRV on Hort.Crops held on 02.09.2019)
Recommended area	Karnataka
Suitability	Kharif and Rabi seasons
Salient features	<ul style="list-style-type: none"> • It is a tri-parental synthetic variety with red to pinkish red elongated globe shaped bulbs • Average bulb weight: 120 g Yield potential: 47t/ha in 130 days
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Yard Long Bean- Arka Mangala	
Year of Release	2019 (Notified during 27 th meeting of CSCNRV on Hort.Crops held on 02.09.2019)
Recommended area	Karnataka
Suitability	Kharif and Rabi seasons
Salient features	<ul style="list-style-type: none"> • Plants tall (3-4 m), pods are very long (80 cm), light green, stringless, round, tender with crisp texture and matures in 60 days. • Suitable for kharif and rabi. • Pod yield: 25 t/ha in 100 days.
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Vegetable Amaranth- Arka Samraksha	
Year of Release	2019 (Notified during 27 th meeting of CSCNRV on Hort.Crops held on 02.09.2019)
Recommended area	Karnataka
Suitability	Suitable for growing throughout the year
Salient features	<ul style="list-style-type: none"> • Pulling type amaranth with green stem • Medium large, lanceolate shaped green leaves • Yield potential: 10.91 t/ha in 30- 35 days duration • Antioxidant capacity: 499 mg /100 g fr. wt. (AEAC units) • Nitrate content of 27.3 mg / 100 g fr. wt. • Oxalate content: 1.34g /100 g fr. wt. • Leaf protein: 4.0 %
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Vegetable Amaranth- Arka Varna	
Year of Release	2019 (Notified during 27 th meeting of CSCNRV on Hort.Crops held on 02.09.2019)
Recommended area	Karnataka
Suitability	Suitable for growing throughout the year
Salient features	<ul style="list-style-type: none"> • Pulling type amaranth with pink stem, petiole and veins • Small ovate shaped pinkish green leaves • Yield potentials: 10.58 t/ha in 30-35 days duration • Antioxidant activity: 417 mg /100 g fr. wt. (AEAC units) • Nitrate content: 37.6 mg / 100 g fr. wt. • Oxalate content: 1.42g / 100 g fr. wt. • Leaf protein: 4.1 %
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