

IMPROVED CROP VARIETIES

Released and Notified during 2007-2022

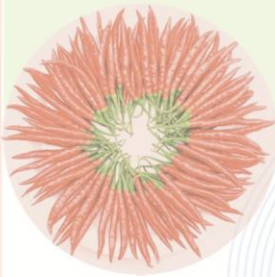


Dr. Y.S.R. Horticultural University

Venkataramannagudem, West Godavari District

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Overall guidance by

Dr. T. Janakiram

Vice-Chancellor, DrYSRHU

Contributors

All the developers of varieties

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Published by

Director of Research

Dr. Y. S. R. Horticultural University, Venkataramannagudem



Dr. T. Janakiram
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Dr. Y. S. R. Horticultural University,
Venkataramannagudem-534101,
West Godavari District,
Andhra Pradesh

Foreword

Horticulture sector in India has become one of the major growth engines of Agriculture sector. Over the last two decades, the growth of horticulture has been phenomenal and today, the horticultural production at 334.60 million tones from 27.48 million hectares has surpassed agricultural production in the country. India is the second largest producer of fruits and vegetables and leads the world in production of banana, mango, lime, lemon, papaya and okra.

Andhra Pradesh state has been transforming into one of the major horticultural hubs in the country and horticulture has been identified as sunrise sector of the state. The state is leading producer of many horticultural crops in the country such as banana, citrus, papaya, mango, cashew, oil palm, cocoa, chilli and tomato with highest productivity. It was made possible because of innovative interventions in research and extension of which development and release of high yielding crop varieties is the most important.

Dr. Y. S. R. Horticultural University mandated with Education, Research and Extension has been established during 2007 to benefit all stake holders in the state of Andhra Pradesh. The research wing comprising of 20 research stations across the state is mainly involved in crop improvement leading to development of high yielding crop varieties, crop production and crop protection technologies aiming at sustainable horticulture production in the state. It focuses on location specific research and development of varieties not only for yield but also for quality traits and biotic/abiotic stress tolerance. The University since its inception has developed and released 37 varieties in different horticulture crops, some of which have been released at national level.

It is a fact that, the information about the varieties should reach the farmers, public and private seed agencies dealing with seed production so that they can be adopted for increasing horticulture production in the state. This book entitled "Improved Crop Varieties" of Dr. Y. S. R. Horticultural University is an attempt to meet the said objective and I am sure that the information provided in this publication would be beneficial to farmers and other stake holders.

I compliment the research wing of the university and all the plant breeders responsible for the development of these varieties and the efforts of Dr. L. Naram Naidu, Director of Research and his team in bringing out this publication.


VICE CHANCELLOR



Dr. L. Naram Naidu
Director of Research



Dr. Y. S. R. Horticultural University,
Venkataramannagudem-534101,
West Godavari District,
Andhra Pradesh

Introduction

Andhra Pradesh with a production of 312.34 lakh metric tons from an area of 17.84 lakh hectares stands second in horticultural production of the country and is the leading producer of many horticultural crops such as chilli, cocoa, oil palm, papaya, tomato, cashew, mango and citrus with highest productivity. Horticulture has been identified as the major driver of growth in agriculture sector and as means for doubling the farmer's income. The growth of horticulture in the state has been focused with many initiatives and Andhra Pradesh has maximum horticulture area covered under micro irrigation. The growth of horticulture and the initiatives to foster the needs of stakeholders in the state are very much applauded country wide.

Horticulture has become sustainable and viable venture for the small and marginal farmers of the state. The increased household income levels and health consciousness have led to a parallel increase in food consumption levels, particularly of fruits and vegetables. The sector has also started attracting hortipreneurs in consultancy, landscaping architecture, food processing etc. indicating the vast scope for horticulture industry to flourish.

Forecasting the potential for horticulture, the Govt. of Andhra Pradesh has established a separate University for horticulture in the year 2007 to cater the needs of all stakeholders through research and capacity building in horticulture. The research in university is supported by 20 of its research stations spread across the state. It mainly focuses on development of new varieties for yield, quality and biotic/abiotic stress tolerance besides standardization of production and protection technologies. The University since its inception has developed 37 improved varieties in 17 horticultural crops including fruits, vegetables and plantation and spices which were approved by both State and Central Varietal Release Committees during 2017-2022. These varieties have immensely contributed to increased horticulture production and productivity in the state.

This book on "Improved Crop Varieties" is a compilation with description of all released varieties. Hope it would help the farmers as well as seed agencies in making choices and contribute to sustainable horticulture production in the state. The efforts of all the plant breeders, associated scientists and field staff in the development of these varieties are greatly acknowledged. The support of Dr. J. Omprasad, Technical Officer and the staff, office of the Director of Research in bringing out this publication is highly appreciated.

DIRECTOR OF RESEARCH



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Vegetable crops

**AMARANTHUS: Dr YSRHU- VARNA (VRA-1)**

- Year of Release** : 2022
- Gazette Notification** : SVRC - G. NO. 902 No 1251 Dated 05.09.2022
- Recommended area** : Andhra Pradesh
- Suitability** : Suitable for year round planting
As irrigated crop in *Rabi* and *summer*
As rainfed crop in *Kharif*
- Salient features** :
 - Plants erect growing with branching habit (6-7 per plant), stem surface ridged and reddish brown in colour.
 - Leaf attractive with light purple petiole, bi-coloured with purple colour in the middle and green colour at the borders of leaf.
 - Higher anthocyanin content (61.55mg/100g).
 - Multi-cut variety.
 - Harvestable maturity at 60-80 days after sowing.
 - Yield: 25.0 t/ha.
- Developed by** : Dr YSRHU- Horticultural Research Station, Venkataramannagudem



**DOLICHOS BEAN: Dr YSRHU- SHRESTHA (VRDL-11)**

- Year of Release** : 2022
- Gazette Notification** : SVRC - G. NO. 902 No 1251 Dated 05.09.2022
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* and *Rabi* seasons under rainfed and irrigated conditions
- Salient features** :
- Plants twining, pole type, medium tall with purple pigmentation on stem
 - Leaves are trifoliolate dark green with purple coloured veins
 - Pods are bright purple in colour with green seeds and less fibre when they are fully mature and tender
 - Seed round in shape
 - Ready for harvest in 80 – 85 days after sowing
 - Pods have high anthocyanin content (25.46 g/100g)
 - Pod yield: 19.0 - 22.0 t/ ha
 - Photo insensitive variety
- Developed by** : Dr YSRHU- Horticultural Research Station, Venkataramannagudem





BANANA: GODAVARI BONTHA (KBS-5)

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.1369, Dated: 07.04.2021
- Recommended area** : Andhra Pradesh
- Suitability** : Suitable as pure crop and as inter crop in coconut
- Salient features** :
- Culinary variety
 - Clonal selection from Aurangabad village, Kovvur mandal of West Godavari district
 - Plants tall, growing to a height of 3.0-3.5 m
 - Days to shooting: Main crop - 9 months
Ratoon crop - 7 months
 - Bunch matures in 90-105 days after shooting.
 - High yielder with 8-9 hands and 90-100 fingers per bunch
 - Fruits bright green in colour measuring length of 24.0 – 25.0 cm with good cooking quality
 - Average bunch weight: 23.0 – 24.0 kg
 - Yield: 45.0 – 46.0 t/ha
 - Slightly tolerant to thrips, aphids and moderately resistant to leaf spot diseases
- Developed by** : Dr YSRHU- Horticultural Research Station-Kovvur





CORIANDER: SURUCHI (LCC-234)

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.1369, Dated: 07.04.2021
- Recommended area** : Andhra Pradesh, Telangana, Tamilnadu and Rajasthan
- Suitability** : Suitable for *Rabi* season (as regular crop for leaf production)
Summer (off-season production under shade net)
- Salient features** :
 - Plants are herbaceous with lush green leaves
 - It has very good aroma and better than cilantro types grown commercially
 - Herb can be harvested between 35 to 55 days after sowing.
 - Volatile herb oil content: 0.15%
 - Leaf essential oil content: 0.032%
 - Herb yield: Rabi - 15.0 - 18.0 t/ha
Summer (under shade net) - 3.5 - 4.5 t/ha
 - Recommended for release during 2013 (24th workshop of ICAR-AICRP on Spices)
- Developed by** : Dr YSRHU- Horticultural Research Station-Lam, Guntur





GREEN CHILLI: Dr YSRHU- SIRI (LCA-616)

- Year of Release** : 2022
- Gazette Notification** : SVRC - G. NO. 902 No 1251 Dated 05.09.2022
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - suitable for direct sowing and as transplanted crop
- Salient features** :
- Plants tall and erect growing
 - Medium duration variety (180-200 days)
 - Fruits axillary, solitary and pendant
 - Fruits uniform in size with smooth shiny pericarp of attractive yellowish green colour
 - Bold and medium long pods (10-12 cm)
 - Colour value of ripe pods – 30-35 ASTA
 - Medium pungency – 30000 - 35000 SHU
 - Oleoresins: 11-12 %
 - Excellent variety for fresh green market and high oleoresin content makes it suitable for the domestic and export market
 - Green pod yield:
 - Irigated – 310-320 q/ha
 - Rainfed – 260-270 q/ha
 - Slightly tolerant to chilli leaf curl virus and to drought under field conditions
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





CHILLI: LCA-620

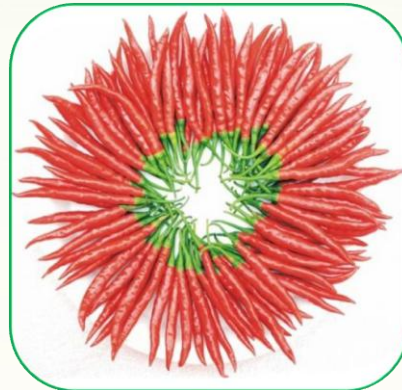
- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.1369, Dated: 07.04.2021
- Recommended area** : Andhra Pradesh, Odisha and Chattisgarh
- Suitability** : *Kharif* season - Suitable for direct sowing and as transplanted crop.
- Salient features** :
- Plants tall and erect growing
 - Medium duration variety (170-190 days)
 - Bears uniform sized fruits from basal nodes to terminal growing point
 - Fruits axillary, solitary and pendant
 - Fruits medium long (8-10 cm) and medium bold (3.5-4.0 cm girth)
 - Dry fruit colour value (Capsanthin) - 50-55 ASTA.
 - Medium fruit pungency (capsaicin) - 22000-25000 SHU
 - Immature fruits green in colour and turn bright red on ripening
 - Dry pod yield: 6500-6800 kg/ha
 - Moderately tolerant to fruit rot disease and thrips
 - Released as 'National variety' during 2014 (28th workshop of ICAR-AICRP on Vegetables)
- Developed by** : Dr YSRHU- Horticultural Research Station-Lam, Guntur





CHILLI: LCA-625

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.1369, Dated: 07.04.2021
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - Highly suitable for direct sowing
- Salient features** :
- Plants tall, erect growing with sturdy branching, short internodes, relatively small leaves
 - Medium to long crop duration (190-210 days)
 - Fruits axillary, solitary and pendant
 - Fruits medium long (8-10cm) and slender
 - High dry fruit colour value (capsanthin) – 60-70 ASTA
 - High fruit pungency (capsaicin) - 45000-50000 SHU
 - Immature fruits dark green in colour and turn scarlet red on ripening
 - Fruits would retain their colour even after 2-3 months of storage at ambient temperatures and even if plucking is delayed after ripening
 - Average dry pod yield: 6500-7000 kg/ha
 - Tolerant to fruit rot disease and can tolerate drought
- Developed by** : Dr YSRHU- Horticultural Research Station-Lam, Guntur





CHILLI : Dr YSRHU- KRANTHI (LCA-657)

- Year of Release** : 2022
- Gazette Notification** : SVRC - G. NO. 902 No 1251 Dated 05.09.2022
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - Highly suitable for direct sowing
- Salient features** :
- Plants erect with upright branching habit
 - Stem very sturdy with an open centre
 - Leaves are thick, leathery and dark green in colour
 - Long duration variety (210-230 days)
 - Fruits axillary, solitary and pendant
 - Fruits medium long (9-12 cm) and medium bold.
 - Fruits dark green in colour and turn dark red on ripening with attractive shiny pericarp.
 - High dry fruit colour value (capsanthin) – 90-95 ASTA.
 - High pungency (capsaicin) – 50000 - 55000 SHU.
 - Oleoresins: 12-13 %
 - Dry pod yield: 6000-6500 kg/ha
 - Suitable for dry spice as an excellent powder.
 - Highly resistant to chilli leaf curl virus and can tolerate drought.
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





CHILLI: Dr YSRHU- CHAITRA (LCA-680)

- Year of Release** : 2022
- Gazette Notification** : SVRC - G. NO. 902 No 1251 Dated 05.09.2022
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - Suitable for direct sowing and as transplanted crop
- Salient features** :
- Plants semi erect with profuse branching
 - Dual purpose variety
 - Medium duration variety (180-190 days)
 - Fruits axillary, solitary and pendant
 - Fruits are medium long (8-9 cm) and bold
 - Fruits light green in colour and turn bright red on ripening with shiny pericarp
 - High dry fruit colour value (capsanthin) - 60-65 ASTA.
 - Medium pungency (capsaicin)- 30000-35000 SHU.
 - Oleoresins: 11-12 %
 - Average dry pod yield: Irrigated: 6500 kg/ha
Rainfed : 4600 kg/ha
 - Tolerant to chilli leaf curl virus and moderately tolerant to drought
 - Minimum sunscald injury of fruits due to dense foliage
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





CHILLI : Dr YSRHU- TANVEE (LCA-684)

- Year of Release** : 2022
- Gazette Notification** : SVRC - G. NO. 902 No 1251 Dated 05.09.2022
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - Suitable for direct sowing and as transplanted crop
- Salient features** :
- Plants are semi spreading with profuse branching
 - Medium duration variety (180-200 days)
 - Fruits axillary, solitary and pendant
 - Fruits medium long (8-9 cm) and slender
 - High dry fruit colour value (capsanthin) - 65-70 ASTA
 - High pungency (capsaicin) - 65000-70000 SHU
 - Oleoresins: 11-13 %
 - Fruits typical maroon coloured at turning stage and turn bright dark red colour upon ripening
 - Fruits have shiny pericarp with minimum wrinkles
 - Highly suitable for powder making due its pungency and colour
 - Dry pod yield: Irrigated : 6500 kg/ha
Rainfed : 4800 kg/ha
 - Highly tolerant to chilli leaf curl virus
 - Moderately tolerant to drought
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





CHILLI HYBRID: LCH-111

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.1369, Dated: 07.04.2021
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - as transplanted crop
- Salient features** :
- A cross between LCA-709 and LCA-315
 - Plants tall and erect growing
 - Medium duration variety (170-190 days)
 - Fruits axillary, solitary and pendant.
 - Fruits are long (13-14 cm) and medium bold
 - High dry fruit colour value (Capsanthin) 70-80 ASTA
 - Medium pungency 25000-30000 SHU
 - Suitable for powder making and as dry spice
 - Average yield: 7500-8000 kg/ha
 - Highly resistant to *Cucumber Mosaic Virus* (CMV)
 - Tolerant to drought and sucking pests
- Developed by** : Dr YSRHU- Horticultural Research Station-Lam, Guntur





PAPRIKA: LCA-424

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - Suitable for rainfed and irrigated condition
- Salient features** :
- Plants erect growing with medium vigour
 - Short duration variety (160-170 days)
 - Fruits axillary, solitary and pendant.
 - Fruits medium long (8-10 cm), slender and resemble Byadagi kaddi variety
 - Very high dry fruit colour value (Capsanthin) 110-115 ASTA
 - Low pungency 15000-16000 SHU
 - Oleoresins: 10-11 %
 - Suitable for dry spice as an excellent powder and for use in pickles
 - Yield: 3500-3800 kg/ha
 - Moderately tolerant to fruit rot
 - Can give sustainable yield even under harsh climatic conditions.
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





PAPRIKA: LCA-436

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - Suitable for rainfed and irrigated condition
- Salient features** :
- Plants erect growing with medium vigour
 - Short duration variety (170-180 days)
 - Fruits axillary, solitary and pendant.
 - Fruits short (6-8 cm), medium bold
 - Fruits with bulging at the base, resemble Byadagi dabbi variety
 - Very high dry fruit colour value (Capsanthin) 110-115 ASTA
 - Very low pungency 13500-15500 SHU
 - Oleoresins: 12-13 %
 - Yield: 3800-4000 kg/ha
 - Suitable for dry spice as an excellent powder and for use in pickles
 - Moderately tolerant to drought
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





Tuber crops





COLOCASIA: **GODAVARI CHEMA (KCS-3)**

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.1369, Dated: 07.04.2021
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - (Irrigated and Rainfed) and late *Rabi* and *summer* (Irrigated)
- Salient features** :
- Short duration variety (150-165 days)
 - Cormels brown in colour, round, medium bold and attractive
 - Tubers are low in oxalic acid content (0.19% on fresh weight) with good cooking quality
 - Post harvest shelf life 75-90 days
 - Suitable as pure crop as well as inter crop in banana and coconut plantations
 - Yield: 2000-2400 kg/ha
 - Less susceptible to phytophthora leaf blight disease.
 - Recommended for release during 2012 (12th Annual group meeting of ICAR-AICRP on Tuber Crops)
- Developed by** : Dr YSRHU- Horticultural Research Station, Kovvur



**SWEET POTATO: Dr YSRHU- ARUNIMA (PSP-1)**

- Year of Release** : 2022
- Gazette Notification** : SVRC - G. NO. 902 No 1251 Dated 05.09.2022
- Recommended area** : Andhra Pradesh
- Suitability** : *Rabi* season
- Salient features** :
 - Plants slightly twining with purple stem
 - Leaves slightly lobed with purple petioles
 - Crop duration (90-100 days)
 - Tubers with purplish red skin.
 - Flesh orange colored, rich in β -carotene (6.56 mg/100 g), anti-oxidants and vitamin-A.
 - Average total sugars: 6.59 %.
 - Average tuber yield: 20.0 to 22.0 t/ha.
 - The incidence of sweet potato weevil is relatively low
- Developed by** : Dr YSRHU- Horticultural Research Station, Peddapuram





GREATER YAM: Dr YSRHU- SABARI (TGy14-11)

- Year of Release** : 2022
- Gazette Notification** : SVRC - G. NO. 902 No 1251 Dated 05.09.2022
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - under irrigated conditions
- Salient features** :
- Plants twiny, vigorous with dark green leaves
 - Crop ready for harvest within 8-9 months.
 - Tubers oblong-oval in shape with dark brown skin.
 - Flesh creamy white in colour.
 - Starch content 25-30 %; Dry matter 30-32%
 - Good cooking quality.
 - Post harvest shelf life 90-105 days.
 - Suitable for making chips.
 - Yield: 45.0 – 50.0 t/ha.
 - Less susceptible to anthracnose disease.
 - Recommended for release during 2021
(21st Annual group meeting of ICAR-AICRP on Tuber Crops)
- Developed by** : Dr YSRHU- Horticultural Research Station, Kovvur





CASSAVA: TCMS-5/PDP CMR-1

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.1369, Dated: 07.04.2021
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - under irrigated and rainfed conditions
- Salient features** :
- Plants with semi spreading growth habit
 - Leaves are light green in colour, seven lobed with red petioles
 - Medium duration variety (8 to 9 months)
 - Tubers have light brown skin, creamy cortex and white flesh
 - Tubers conico-cylindrical in shape measuring 30-35 cm in length
 - Starch content: 24-26%
 - Yield: 43.0 to 46.0 t/ha
 - Completely resistant to cassava mosaic disease (CMD) and tolerant to sucking pests
 - Drought tolerant variety
 - Recommended for release during 2016 (16th Annual group meeting of ICAR-AICRP on Tuber Crops)
- Developed by** : Dr YSRHU- Horticultural Research Station, Peddapuram





CASSAVA: **Dr YSRHU- ADITYA (PDP-9)**

- Year of Release** : 2022
- Gazette Notification** : SVRC - G. NO. 902 No 1251 Dated 05.09.2022
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season - under irrigated and rainfed conditions
- Salient features** :
- Plants tall (3m) with erect branching
 - Laves dark green in colour, seven lobed with greenish red petioles.
 - Short duration variety (6-7 months)
 - Tubers have brown skin, pink cortex and white flesh
 - Tubers conico-cylindrical in shape measuring 40-45 cm in length
 - Medium starch content 24.43 %
 - Yield 40.0 t/ha
 - Tolerant to cassava mosaic disease.
 - Recommended for release during 2018 (18th Annual group meeting of ICAR-AICRP on Tuber Crops)
- Developed by** : Dr YSRHU- Horticultural Research Station, Peddapuram





Spice crops



CORIANDER: SUGUNA (LCC-236)

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
- Recommended area** : Andhra Pradesh, Tamilnadu, Gujarat and Eastern plains of Uttar Pradesh
- Suitability** : *Rabi* season - under irrigated and rainfed conditions
- Salient features** :
- Plants are erect growing (50-60) cm, with profuse primary and secondary branching
 - Plants have medium foliage
 - Medium duration variety (85-100 days)
 - Grains small to medium, oval shaped and light brown in colour
 - High volatile oil content (0.5 %)
 - Yield:
 - Irrigated - 12.0 - 22.0 q/ha
 - Rainfed - 8.0 - 14.0 q/ha
 - Moderately resistant to powdery mildew
 - Released as 'National variety' during 2012 (23rd Workshop of ICAR-AICRP on Spices)
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





CORIANDER: SUSTHIRA (LCC-219)

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
- Recommended area** : Andhra Pradesh, Telangana, Tamilnadu and Gujarat.
- Suitability** : *Rabi* season – under rainfed conditions and for low rainfall areas
- Salient features** :
- Plants are taller (60-70 cm) with profuse primary and secondary branching.
 - Plants have medium foliage.
 - Medium duration variety (85-95 days).
 - Grains small to medium, oval shaped with attractive brown colour.
 - High volatile oil content (0.6 %).
 - Yield: Irrigated - 12.0-18.0 q/ha
Rainfed - 12.0-15.0 q/ha.
 - Gives stable yield under rainfed conditions and tolerates terminal moisture stress.
 - Released as 'National variety' during 2015 (26th Workshop of ICAR-AICRP on Spices)
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





AJOWAN: Dr YSRHU-LAM AJOWAN-2 (LTa-26)

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.3094, Dated: 20.07.2022
- Recommended area** : Andhra Pradesh
- Suitability** : Late *Kharif* and *Rabi* seasons
- Salient features** :
- The plants grow up to 1 meter height with profuse branching and flowering.
 - Plants have dense foliage.
 - Stem greenish with waxy bloom
 - Long duration variety (145-175days)
 - Grains slender, brown in colour, oblong in shape with prominent ridges and non splitting.
 - Seed has high essential oil content (3 to 4%) with intense flavor, aroma and pungency.
 - Yield: Irrigated - 12.0 - 15.0 q/ha
Rainfed - 6.0 - 13.0 q/ha.
 - Tolerates moisture stress relatively better under rainfed conditions
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





AJOWAN: Dr YSRHU-LAM VARSHA (LS-14-3/Lam Ajowan-3)

- Year of Release** : 2022
- Gazette Notification** : CVRC - G.3094, Dated: 20.07.2022
- Recommended area** : Andhra Pradesh, Gujarat and Rajasthan
- Suitability** : *Kharif* season – under irrigated and rainfed conditions
- Salient features** :
 - Plant erect growing with profuse branching and dense foliage.
 - Stem greenish and non-waxy
 - Long duration variety (140-150 days)
 - Seeds medium in size with attractive brown colour, non splitting
 - Seed has high essential oil content (7.8 %)
 - Yield: 10.0 – 12.0 q/ha
 - Suitable for essential oil extraction
 - Released as ‘National variety’ during 2021 (33rd Workshop of ICAR-AICRP on Spices)
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





FENUGREEK: LAM METHI-2 (LFC-84/APHU METHI-1)

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.1369, Dated: 07.04.2021
- Recommended area** : Andhra Pradesh
- Suitability** : *Rabi* season – under rainfed and irrigated condition
- Salient features** :
- Plants erect growing (40-50 cm height) with 4-6 branches and profuse bearing
 - Mature leaves have waxy bloom.
 - Medium duration variety (80 to 90 days).
 - Grains are flat, rectangular shaped with attractive brownish yellow colour.
 - Medium diosgenin content (0.45% to 0.83%).
 - Yield: Irrigated - 12.0 - 15.0 q/ha
Rainfed - 7.0 - 9.0 q/ha.
 - The variety tolerates terminal moisture stress.
 - Less susceptible to diseases
 - Recommended for release during 2009 (20th Workshop of ICAR-AICRP on Spices)
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





FENUGREEK: LAM METHI-3 (LFC-103)

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
- Recommended area** : Andhra Pradesh and Telangana
- Suitability** : *Rabi* season – under rainfed and irrigated conditions
- Salient features** :
- Plants erect growing (40-50 cm height) with 3-4 branches and profuse bearing
 - Mature leaves have waxy bloom.
 - Medium duration variety (90 to 100 days).
 - Grins are flat, rectangular and medium in size with attractive yellowish brown colour.
 - Medium diosgenin content (0.72%).
 - Yield: Irrigated - 12.0 - 19.0 q/ha
Rainfed - 7.0 - 9.0 q/ha
 - It tolerates dry root rot under field conditions.
 - Recommended for release during 2014 (25th Workshop of ICAR-AICRP on Spices)
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur



**TURMERIC: LAVANYA (KTS-3)**

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.1369, Dated: 07.04.2021
- Recommended area** : Andhra Pradesh
- Suitability** : *Kharif* season and for early as well as late planting situations (April-August).
- Salient features** :
- Plants erect growing with pale green leaves.
 - Medium to long duration variety (240-270 days).
 - Rhizomes robust and pale coloured
 - Dry recovery 20 %.
 - Medium curcumin content: 3.0-3.2%.
 - Fresh rhizome yield: 55.0 – 65.0 t/ha.
 - Resistant to leaf spot and leaf blotch disease.
 - Tolerant to rhizome rot disease.
- Developed by** : Dr YSRHU- Horticultural Research Station, Kovvur





TURMERIC: Dr YSRHU-LAM SWARNA (LTS-2)

- Year of Release** : 2022
- Gazette Notification** : CVRC - G.3094, Dated: 20.07.2022
- Recommended area** : Andhra Pradesh, Telangana and Tamilnadu
- Suitability** : *Kharif* season
- Salient features** :
- Plant erect growing with 3-5 tillers/plant.
 - Long duration variety 260 to 270 days.
 - Rhizomes robust, primary fingers almost straight (9-12 cm long) with light orange coloured inner core
 - Dry recovery: 24%
 - Medium Curcumin content: 3.0 – 4.0 %
 - Powder colour: Dark lemon yellow
 - Fresh rhizome yield: 40.0 -42.0 t/ha
Dry rhizome yield: 9.8 to 11.3 t/ha.
 - Tolerates moderate moisture stress during initial 4 months.
 - Recommended for release during 2020 (31st Workshop of ICAR-AICRP on Spices)
- Developed by** : Dr YSRHU- Horticultural Research Station, Lam, Guntur





TAMARIND : THETTU AMALIKA

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.3094, Dated: 20.07.2022
- Recommended area** : Andhra Pradesh
- Suitability** : Adaptable to all climatic conditions of the state
- Salient features** :
- Clonal selection from Thettu village, Madanapalli mandal of Chittoor district, A.P.
 - Trees with rounded, broad and spreading crown
 - Branching moderately dense.
 - Heavy yielder with regular bearing habit
 - Pods are big, broad and flat slightly curved with rounded ends and somewhat compressed
 - High pulp recovery: 50-56%
 - Pulp acidic in taste, firm, thick, soft and deep brown in colour
 - Plants are productive upto 70-80 years
 - Yield: 150-220 kg pods/plant (at 20 years age)
 - Recommended for release during 2020.
(24th Research Workers Annual Group Meet of ICAR-AICRP on Arid Zone Fruits)
- Developed by** : Dr YSRHU- Horticultural Research Station, Ananthapuramu





TAMARIND : ANANTHA RUDHIRA

- Year of Release** : 2022
- Gazette Notification** : CVRC - G.3094, Dated: 20.07.2022
- Recommended area** : Andhra Pradesh
- Suitability** : Adaptable to all climatic conditions of the state
- Salient features** :
- Clonal selection from Rekulakunta village of Ananthapuram district, A.P.
 - Trees with rounded canopy and spreading crown and branching moderately dense
 - Regular bearer and high yielder with cluster bearing habit
 - Pods rounded oblong, slightly curved with rounded ends
 - Pulp recovery: 43 %
 - Pulp firm, soft and pinkish red coloured in unripe fruits which turn to reddish brown on ripening.
 - Pulp sweet acidic in taste; rich in tartaric acid, β -carotene, minerals and with very high anthocyanin content
 - Dry pod yield -130 kg/tree (at 22 years age)
 - Suitable for making pickles and value added products like toffees, candies, jam and syrup
 - Recommended for release during 2018 (22nd Research Workers Annual Group Meet of ICAR-AICRP on Arid Zone Fruits)
- Developed by** : Dr YSRHU- Horticultural Research Station, Ananthapuramu



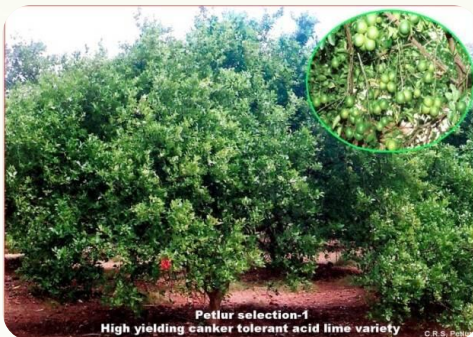


Fruit crops



ACID LIME: **PETLUR SELECTION -1**

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
- Recommended area** : Andhra Pradesh
- Suitability** : Suitable for tropical and subtropical regions
- Salient features** :
- Clonal selection from Kammavaripalli village, Dakkili mandal, SPSR Nellore district
 - Tree with spheroid shape
 - High branching density
 - High yielder with cluster bearing habit.
 - Fruits spheroid in shape with smooth and thin rind, fruit apex truncate
 - Fruit has about 10 segments and 8 seeds
 - High juice content (55.8%) with high citric acid (7.3mg/100g).
 - Fruit yield: 210 - 220 kg/tree /year.
 - Has ability to yield more during summer season.
 - Resistant to bacterial canker disease, Immune to bark eruptions and moderately resistant to dry root rot disease.
- Developed by** : Dr YSRHU- Citrus Research Station, Petlur





ACID LIME: **Dr YSRHU- VAKULA (TAL-94/14)**

- Year of Release** : 2022
- Gazette Notification** : SVRC - G. NO. 902 No 1251 Dated 05.09.2022
- Recommended area** : Andhra Pradesh
- Suitability** : Suitable for tropical and subtropical regions
- Salient features** :
- Clonal selection from Mannuru village, Balayavaripalle mandal of SPSR Nellore district
 - Trees are with medium size canopy and less thorny
 - Suitable for high density planting
 - High yielder with cluster bearing habit and flowers round the year
 - Fruits are big (45 g) oval in shape with smooth, shiny and thick rind (3 mm)
 - High juice content (45 %)
 - Yield: 20.0 – 39.0 t/ha
 - More suitable for pickle and salad industry
 - Tolerant to bacterial canker disease (6%)
- Developed by** : Dr YSRHU- Citrus Research Station, Tirupati





Plantation crops





CASHEW: BPP-10

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
- Recommended area** : Andhra Pradesh
- Suitability** : Adaptable to all climatic conditions of the state
- Salient features** :
- Trees with upright and open growth habit
 - Extensive branching type, with cluster bearing habit
 - Flowering duration 85 days
 - Sex ratio (male to female) - 1.00:1.23
 - Higher no. of hermaphrodite flowers (55.21%)
 - Fruit set 9.55% with 5.35 fruits /panicle
 - Bold nut type (8.10 gram)
 - Highest shelling percentage (29.3%)
 - Kernel count (wholes/lb) W 210 (Export grade)
 - Average nut yield 20.0 – 25.0 kg/tree
 - Less susceptible to foliage, flower and nut feeding pests
 - Recommended for release during 2009 (Annual Group Meeting of ICAR-AICRP on Cashew)
- Developed by** : Dr YSRHU- Cashew Research Station, Bapatla





CASHEW : BPP-11

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
- Recommended area** : Andhra Pradesh
- Suitability** : Adaptable to all climatic conditions of the state
- Salient features** :
- Trees with upright and compact growth habit
 - Intensive branching type, suitable for high density planting
 - Early and regular bearing variety with cluster bearing habit
 - Escapes drought/moisture stress during flowering and fruiting phase
 - Flowering duration: 89 days
 - Sex ratio (male to female) - 1.00:0.50
 - Hermaphrodite flowers: 33.54%
 - Fruit set 9.0% with 5.15 fruits /panicle
 - Medium nut weight (6.80 gram)
 - High shelling percentage (28.5%)
 - Kernel count (wholes/lb): W 240
 - Average nut yield: 17.0 – 20.0 kg/tree
 - Less susceptible to foliage, flower and nut feeding pests
- Developed by** : Dr YSRHU- Cashew Research Station, Bapatla





BETELVINE : SWARNA KAPOORI

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
- Recommended area** : Andhra Pradesh
- Suitability** : Suitable for areas with moderate temperature and high humidity
- Salient features** :
- A selection from Vasani Kapoori variety of Maharashtra
 - Highly vigorous with profuse branching and more number of laterals
 - Leaves are large, smooth, light green in colour with long petioles
 - Leaves non-pungent and are of good quality
 - Leaf yield: 53,820 panthas/ha
 - Moderately susceptible to Phytophthora foot rot
 - Best male parent in hybridization programme with year round flowering habit
 - Recommended for release during 2010 (18th National Group Meeting of ICAR-AICRP on MAP & Betelvine)
- Developed by** : Dr YSRHU- Horticultural Research Station, Venkataramannagudem





COCONUT: GOUTHAMI GANGA (GBGD)

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.1369, Dated: 07.04.2021
- Recommended area** : Andhra Pradesh
- Suitability** : Suitable for irrigated and rainfed conditions
- Salient features** :
 - Early bearing variety, comes to flowering in 36 months after planting
 - First harvest at 50 months after planting.
 - Dwarf variety (5.12 m at the age of 22 years)
 - Average nut yield: 85 - 94 nuts/palm/year
 - Higher quantity of tender nut water (447 ml/nut) and copra (157 g/nut)
 - Average copra output - 13.32 kg/palm/year (2.33 t/ha)
 - High oil content (69 %) with an oil yield of 9.70 kg/palm/year (1.70 t/ha)
 - Has good combining ability and is useful for crossing programmes to produce new hybrids.
 - Recommended for release during 2007 (18th Biennial Workshop of ICAR-AICRP on Palms)
- Developed by** : Dr YSRHU- Horticultural Research Station- Ambajipeta





COCONUT: VYNATEYA GANGA (PHOT x GBGD)

Year of Release	: 2017
Gazette Notification	SVRC - G. O. MS. No. 98, Dated: 27.12.2017 CVRC - G.1369, Dated: 07.04.2021
Recommended area	: Andhra Pradesh
Suitability	: Suitable for irrigated conditions. Comes up well under varied soil conditions mainly in coastal alluvial and red sandy loam soils
Salient features	: <ul style="list-style-type: none"> • A tall x dwarf cross between Philippines Ordinary Tall (PHOT) and Ganga Bondam Green Dwarf (GBGD) • Comes to first flowering in 48 months after planting. • Semi tall variety (7.88 m at the age of 22 years) • Average nut yield: 118 nuts/palm/year • High quantity of tender coconut water (326 ml/nut) and copra (190 g/nut). • Average copra output: 22.5 kg/palm/year (4.0 t/ha) • High oil content (66 %) with an oil yield of 14.5 kg/palm/year (2.60 t/ha)
Developed by	: Dr YSRHU- Horticultural Research Station- Ambajipeta





COCONUT: ABHAYA GANGA (GBGD x LCOT)

- Year of Release** : 2017
- Gazette Notification** : SVRC - G. O. MS. No. 98, Dated: 27.12.2017
CVRC - G.1369, Dated: 07.04.2021
- Recommended area** : Andhra Pradesh
- Suitability** : Suitable for irrigated conditions
Comes up well under varied soil conditions mainly in coastal alluvial and red sandy loam soils
- Salient features** :
 - A dwarf x tall cross between Ganga Bondam Green Dwarf and Laccadive Ordinary Tall.
 - Early bearing variety, comes to flowering in 38 months after planting.
 - Semi tall variety (7.80 m at the age of 22 years)
 - High Nut yield: 136 nuts /palm/per year
 - High quantity of tender coconut water (346 ml/nut) and copra (170 g/nut)
 - Average copra output: 21.5 kg/palm/year (3.70 t/ha)
 - High oil content (72 %) with an oil yield of 15.5 kg/palm/year (2.80 t/ha)
 - Moderately resistant to bud rot disease and susceptible to ganoderma disease.
 - Recommended for release during 2013 (22nd Annual group meeting of ICAR-AICRP on Palms)
- Developed by** : Dr YSRHU - Horticultural Research Station- Ambajipeta





COCONUT: **VASISTA GANGA (GBGD×PHOT)**

Year of Release	: 2021
Gazette Notification	: CVRC - G.1369, Dated: 07.04.2021
Recommended area	: Andhra Pradesh and Karnataka
Suitability	: Suitable for irrigated conditions
Salient features	: <ul style="list-style-type: none"> • A dwarf x tall cross between Ganga Bondam Green Dwarf and Philippiens Ordinary Tall • Early bearing variety, comes to first flowering in 40 months • Semi tall variety (7.91 m at the age of 22 years) • Average nut yield: 125 nuts/palm/year • High quantity of tender coconut water (395 ml) and copra content (185 g/nut) • Average copra output: 21.9kg/palm/year 3.8 t/ha) • High oil content (69%) with an oil yield of 2.64 t/ha • Moderately resistant to bud rot disease • Recommended for release during 2009 (19th Biennial Workshop of ICAR-AICRP on Palms)
Developed by	: Dr YSRHU- Horticultural Research Station- Ambajipeta





Contribution of Scientists

S. No.	Name of the scientist and Designation	Varieties
1.	Dr. A. Rajani, Senior Scientist (Hort), HRS, Lam	LCA-620, LCA-625, LCH-111 LCA-424, LCA-436, Dr YSRHU- Kranthi, Dr YSRHU- Chaitra, Dr YSRHU-Tanvee, Dr YSRHU- Siri, Suruchi, Suguna, Susthira, Lam Methi-2, Lam Methi-3, Lam Ajowan-2, Dr YSRHU- Lam Varsha, Dr. YSRHU-Lam Swarna,
2.	Dr. A. Snehalatha Rani, Scientist (Pl. Path.) HRS Kovvur.	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga, Dr. YSRHU-Arunima, Dr.YSRHU - Sabari, Dr. YSRHU - Aditya
3.	Sri A. Kireeti, Scientist (Hort) HRS, Ambajipeta	Dr YSRHU-Varna, Dr YSRHU-Shrestha
4.	Dr. A. Sujatha, Rtd Dean Students Affairs, Dr.YSRHU, VRGudem	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
5.	Dr. A. V. D. Dorajee Rao, Professor (Hort.), COH, VR Gudem	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
6.	Dr B Nagendra Reddy Scientist (Entomology)	BPP-10 , BPP-11
7.	Dr B. Chenchu Reddy, Rtd Pr. Scientist (Pl. Path.)	Petluru Selection-1
8.	Dr. B.Gautam, Pr. Scientist (Hort.) Rtd, HRS, Ambajipeta	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
9.	Dr. B. Govindarajulu, Principal Scientist (Pl. Path.) KVK, Periyavaram	Dr. YSRHU- Vakula, Petluru Selection-1
10.	Dr B. Kanaka Maha Lakshmi Senior scientist (PP)	PDP CMR-1
11.	Dr. B. Prasanna Kumar, Pr. Scientist (Hort.)	BPP-10, BPP-11, Vynateya Ganga, Abhaya Ganga, Vasista Ganga, Gauthami Ganga
12.	Dr. B. Srinivasulu, Registrar, DrYSRHU VRG	Vynateya Ganga, Abhaya Ganga, Vasista Ganga, Gauthami Ganga, Thettu Amalika, Anantha Rudhira,
13.	Dr. B.Srinivasulu, Principal Scientist, HRS, Ambajipeta.	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
14.	Smt B. Vimala, Scientist (Hort.)	BPP-10 , BPP-11
15.	Dr. B.D. Sharma, Principal Scientist, CIAH, Bikaner	Anantha Rudhira
16.	Dr. B.M.C. Reddy, Former Hon'ble Vice Chancellor, Dr.YSRHU	Anantha Rudhira



17.	Dr. B. Tanuja Priya, Senior Scientist (Hort), HRS, Lam	Dr YSRHU- Kranthi, Dr YSRHU- Chaitra, DrYSRHU - Tanvee, Dr YSRHU- Siri, Lam Ajowan-2, Dr YSRHU- Lam Varsha, Dr. YSRHU-Lam Swarna, BPP-10, BPP-11, Swarna Kapoori
18.	Dr. B.V.K. Bhagavan, Principal Scientist (Hort.) HRS, Peddapeta.	Lavanya, Godavari Chema, Godavari Bontha, Dr.YSRHU – Sabari
19.	Dr. C. Madhumathi, Principal Scientist (Hort), CRS, Petluru	Dr. YSRHU- Vakula
20.	Dr. C. Sarada, Professor (Hort.), College of Horticulture, Chinalatiripi	LCA-620, LCA-625, LCH-111, LCA-424, LCA-436, DrYSRHU- Kranthi, DrYSRHU- Chaitra, DrYSRHU - Tanvee, Dr YSRHU- Siri, Suruchi, Suguna, Susthira, Lam Methi-2, LAM Methi-3, Lam Ajowan-2, Dr YSRHU- Lam Varsha, Dr. YSRHU-Lam Swarna, BPP-10, BPP-11
21.	Dr. C.L.Narasimhachari, Sr. Scientist (Pl. Path.)	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
22.	Dr. C. Chandra Sekhara Rao Sr. Scientist	BPP-10, BPP-11
23.	Dr. C.Venkata Ramana, Senior Scientist (Hort), HRS, Lam.	LCA-620, LCA-625, LCH-111, LCA-424, LCA-436, Dr YSRHU- Kranthi, Dr YSRHU- Chaitra, Dr YSRHU-Tanvee, Dr YSRHU- Siri, Suruchi, Suguna, Susthira, Lam Methi-2, LAM Methi-3, Lam Ajowan-2, Dr YSRHU- Lam Varsha, Dr. YSRHU-Lam Swarna
24.	Dr. Ch. Chinnabbai, (Ento.) Principal, Ramachandra puramu	BPP-10, BPP-11
25.	Dr Ch.S.Kishore Kumar, Sr. Scientist (Pl Path), HRS, Kovvur.	Dr.YSRHU – Sabari
26.	Sri. D. Anil Kumar, Scientist (Ent.), KVK, Amadalavalasa	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
27.	Dr. D. Srinivasa Reddy, Senior Scientist (Ento.), CRS, Tirupathi	Dr. YSRHU- Vakula
28.	Dr D. V Raghava rao Dean of Horticulture (Rtd) Dr YSRHU	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
29.	Dr.D. Madhava Rao, Senior Scientist (Hort) (Rtd) HRS, Darsi.	KTS-3, KCS-3, KBS-5, Dr.YSRHU – Sabari
30.	Dr. D.V. Subba Rao, (Retd.) Principal Scientist (Ento.)	Swarna Kapoori
31.	Dr E. Padma Associate Professor (Hort.) COH, VR Gudem	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga, Godavari Chema



32.	Dr. G. Ramanandam , Pr. Scientist (Hort.) & Head. Dr. YSRHU – HRS, Kovvur.	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga, PDP CMR-1, Dr.YSRHU - Sabari, Dr. YSRHU - Aditya,
33.	Dr. G. Sarada, Associate Professor (Ento.)	Dr. YSRHU- Vakula
34.	Dr. G. Srinivasa Rao, Sr. Scientist (Pl. Path.)(Rtd.) RARS, Lam, ANGRAU	Lavanya, Godavari Chema
35.	Dr. G. Subbi Reddy, Rtd Dean of Student Affairs, Dr.YSRHU	Thettu Amalika, Anantha Rudhira
36.	Dr. G. Narasimha Murthy Assoc professor (Hort.) COH, Parvatipuram.	Godavari Chema, DrYSRHU – Sabari
37.	Dr. Gouse Mohammed, Sr. Scientist (Ento)(Retd)	BPP-10, BPP-11
38.	Dr Hameedunnisa Begum Scientist (Horticulture)	Petluru Selection-1
39.	Dr. J. Dilip Babu, Rtd Director of Research, Dr.YSRHU	Anantha Rudhira
40.	Dr. J. Krishna Prasadji, Pr. Scientist (Pl Path.), RARS, Marteru	Vynateya Ganga, Abhaya Ganga, Vasista Ganga, Gauthami Ganga, Lavanya, Godavari Chema, Godavari Bontha
41.	Dr. J. Omprasad Asst. Professor (Horti) COH, V R Gudem	Dr YSRHU-Varna, Dr YSRHU-Shrestha
42.	Dr. K. Dhanumjaya Rao DIIP, Dr YSRHU,	Thettu Amalika, Anantha Rudhira
43.	Dr. K. Ravindra Kumar, Sr Scientist (Hort.) HRS, Kovvur	Dr.YSRHU – Sabari, Abhaya Ganga, Gauthami Ganga, Vynateya Ganga, Suguna
44.	Dr. K. Giridhar, Pr.Scientist (Hort) & Head, HRS, Lam	LCA-620, LCA-625, LCH-111 LCA-424, LCA-436, Dr YSRHU- Kranthi, Dr YSRHU- Chaitra, Dr YSRHU-Tanvee, Dr YSRHU- Siri, Suruchi, Suguna, Susthira, Lam Methi-2, Lam Methi-3, Lam Ajowan-2, Dr YSRHU- Lam Varsha, Dr. YSRHU-Lam Swarna
45.	Dr. K. Gopal, Associate Dean, A R Peta	Dr. YSRHU- Vakula
46.	Dr. K. Hari Babu, Prof(Horticulture) Rtd.	Dr. YSRHU- Vakula
47.	Dr. K. M. Yuvaraj, Professor (Horticulture), COH, Anantharajupeta	BPP-10, BPP-11, Dr. YSRHU- Vakula
48.	Dr. K. Pampapathy, Horticulturist	Vynateya Ganga, Vasista Ganga, Abhaya Ganga, Gauthami Ganga, BPP-10, BPP-11



49.	Dr. K. Purushotham, Rtd Director of Research, Dr. YSRHU, V.R.Gudem	Anantha Rudhira, Dr. YSRHU-Vakula
50.	Dr. K. Sireesha, Sr. Scientist (Ento), HRS, Lam	LCA-620, LCA-625, LCA-424, LCA-436, LCH-111, Dr YSRHU- Kranthi, Dr YSRHU- Chaitra, Dr YSRHU-Tanvee, Dr YSRHU- Siri, Swarna Kapoori, Dr. YSRHU-Lam Swarna, Dr YSRHU- Lam Varsha
51.	Dr. K. Siva Raju (Late) Pr. Scientist (Biochem) ICAR-CTRI, Rajahmundry	KCS-3 (Godavari Chema)
52.	Dr K. Sreedevi Scientist (Ento)	Petluru Selection-1
53.	Dr. K. Subramanyam, Pr. Scientist (Pl. Path) & Head, HRS, Mahanandi	Thettu Amalika, Anantha Rudhira
54.	Dr. K. T. Venkataramana, Pr. scientist (Horti.) & Head HRS, Anantharajupeta	Dr. YSRHU- Vakula, Petluru Selection-1, BPP-10, BPP-11
55.	Dr. K. Uma Jyothi, Professor (Hort),Dean (PGS), (Rtd)	LCA-625, LCA-424, LCA-436, Lavanya, Godavari Chema, Dr.YSRHU – Sabari,
56.	Dr .K. Umamaheswara Rao, Sr Scientist (Horticulture)	BPP-10, BPP-11
57.	Dr. K. V. Seshadri, Professor (Horticulture) Retd.	Dr. YSRHU- Vakula, Petluru Selection-1
58.	Dr. K. Mamatha Pr Scientist (Hort.) HRS, Kovvur	Dr. YSRHU-Arunima, Dr. YSRHU – Sabari, Dr. YSRHU – Aditya, Godavari Chema, Godavari Bontha
59.	Sri K.V. Subbareddy Horticulturist	Gauthami Ganga
60.	Mr. K.V. Siva Reddy, Scientist (Pl.Br.), RARS, Lam	LCA-620, LCA-625, LCH-111, LCA-424, LCA-436
61.	Sri. K.Vijay Krishna Kumar, Scientist (Pl. Pathology)	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
62.	Dr Khalid Ahmed, Pr. Scientist (Ento), RARS, Lam	LCA-424, LCA-436
63.	Dr. L. Mukunda Lakshmi, Sr. Scientist (Hort.), CRS, Tirupati	Dr. YSRHU- Vakula, Petluru Selection-1
64.	Dr. L. Naram Naidu, Director of Research, Dr. YSRHU, Venkataramannagudem.	LCA-620, LCA-625, LCH-111, LCA-424, LCA-436, Dr YSRHU- Kranthi, Dr YSRHU- Chaitra, Dr YSRHU-Tanvee, Dr YSRHU- Siri, Suruchi, Suguna, Susthira, Lam Methi-2, Lam Methi-3, Lam Ajowan-2, Dr YSRHU- Lam Varsha, Dr. YSRHU-Lam Swarna,
65.	Dr. M. Janaki, Scientist (Hort.) & Head, HRS, Peddapuram	Dr. YSRHU-Arunima, Dr. YSRHU – Aditya, PDP CMR-1



66.	Dr M. Kalpana, Professor (Hort), COH, VRGudem	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
67.	Dr. M. Karunakar Babu (Rtd.) Pr.Scientist (Hort.)	Swarna Kapoori
68.	Dr. M. Madhavi, Associate Dean, COH, VRGudem	Dr. YSRHU- Vakula
69.	Dr. M. Muthyala Naidu, Pr. scientist (Hort.)	Dr. YSRHU- Vakula, Godavari Bontha
70.	Dr M.N. Sheela, Pr. Scientist, CTCRI, Trivendram	PDP CMR-1
71.	Dr. M. Rajasekhar, PG Dean, SKLTHU, Telangana	Swarna Kapoori, Dr YSRHU-Varna
72.	Dr. M. Rama Krishna Rtd Associate dean, COH, Anantharajupeta	Abhaya Ganga, , Gauthami Ganga, Vasista Ganga
73.	Dr M. Sattiraju Rtd Principle scientist (Hort.) Dr YSRHU	Godavari Bontha
74.	Dr M. Venkata rao Horticulturist (Rtd)	Gauthami Ganga
75.	Dr M.A. Aarif Khan Scientist (Soil science)	Petluru Selection-1
76.	Dr. M.B. V. Nageswara Rao DIIP (Rtd), Dr YSRHU	Vynateya Ganga, Gauthami Ganga, Abhaya Ganga, Vasista Ganga, BPP-10, BPP-11
77.	Dr. M. L. N. Reddy, Rtd Dean of Horticulture, Dr YSRHU	BPP-10, BPP-11
78.	Dr M.N. Sheela Pr. Scientist & Head, CTCRI, Tiruvananthapuramu	PDP CMR-1
79.	Dr. M.Rajamannar, Pr. Scientist (Pl Pathology) Rtd, RARS, Maruteru	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
80.	Dr. M.Ramadevi, Senior Scientist (Ento.)(Retd)	BPP-10, BPP-11
81.	Dr. M.Ravindra Babu, Sr. Scientist (Hort.), HRS, VRG	Dr YSRHU-Varna, Dr YSRHU-Shrestha
82.	Dr. M.S.V.Chalam, Scientist (Ento.), DAATTC, Eluru	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
83.	Dr. N. B.V.Chalapathi Rao, Senior Scientist (Ento.), Ambajipeta	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga



84.	Dr. N. Hari Prasada Rao, Pr. Scientist (Hort) & Head (Retd), Lam, Guntur	Dr YSRHU- Kranthi, Dr YSRHU- Chaitra, Dr YSRHU- Tanvee , Dr YSRHU- Siri, Lam Methi-2, Susthira, Dr. YSRHU-Lam Swarna, Dr YSRHU- Lam Varsha
85.	Sri. N. Narayana, Scientist (Horticulture) Retd.	Dr. YSRHU- Vakula
86.	Dr.N.Emmanuel, Scientist (Ento.), COH, VR Gudem	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
87.	Dr. Natarajan Sreenivasan, Professor (Horticulture) and COE, SKLTSHU	Thettu Amalika, Anantha Rudhira
88.	Dr. P. Ashok, Sr. Scientist (Hort.)& Head, HRS, Dr. YSRHU, V.R.Gudem	Dr. YSRHU-Arunima, Dr YSRHU-Varna, Dr YSRHU- Shrestha, Dr. YSRHU – Aditya, PDP CMR-1
89.	Dr. P. Babu Ratan (Late) Professor (Hort) Dr YSRHU	Godavari Bontha
90.	Dr. P. Israel, Professor (Agril Ext) (Rtd.) ANGRAU	Lavanya
91.	Dr. P. L. Saroj, Director & Project Co-ordinator, CIAH, Bikaner	Anantha Rudhira
92.	Dr. R.Naga Lakshmi, Senior Scientist (Hort.) Dr. YSRHU – HRS, Lam.	Dr.YSRHU – Sabari, Godavari Chema, Godavari Bontha
93.	Dr. P. Sunitha Sr. Scientist (Ento.), HRS, Dr. YSRHU, V.R.Gudem	Dr YSRHU-Varna, Dr YSRHU-Shrestha, Swarna Kapoori
94.	Dr. T. Suseela Pr. Scientist (Hort), BRS, Pulivendula	BPP-10, BPP-11
95.	Dr. P. Venkateswarlu, Horticulturist (Rtd.), RARS, Lam, ANGRAU	Lavanya
96.	Dr. P. Vijaya Lakshmi, Scientist (Entomology), HRS, Nuzivid	LCA-620, LCA-625, LCH-111, Vynateya Ganga, Abhaya Ganga, Vasista Ganga, Gautami Ganga,
97.	Dr. P. Rama Devi, Professor (Pl. Pathology), COH, Dr. YSRHU, V.R.Gudem	Dr YSRHU-Varna, Dr YSRHU-Shrestha, Swarna Kapoori
98.	Smt. P. Savithri, Former Scientist (Ento), HRS, Lam	LCA-625, LCA-424, LCA-436
99.	Dr. P. Sessa Reddy, Principal Scientist (Hort)	BPP-10, BPP-11, Petluru Selection-1
100.	Dr. P.Venkata Reddy, Former Pr. Scientist (Hort) & Head, HRS, Lam	LCA-620, LCA-625, LCH-111, LCA-424, LCA-436, Suruchi, Suguna, Susthira, Lam Methi-2, , LAM Methi-3, Lam Ajowan-2



101.	Dr. R. Rajya lakshmi, (Hort.) COH, Parvathipuram	Swarna Kapoori
102.	Dr. R. V. S. K. Reddy Rtd Director of Research, Dr. YSRHU, V.R.Gudem	Dr YSRHU-Varna, Dr YSRHU-Shrestha, Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
103.	Dr S. Eswar Reddy Senio scientist (Hort)	BPP-10, BPP-11
104.	Dr. S. M.Zaheerudden, ADR Rtd, RARS, Maruteru.	Vynateya Ganga, Abhaya Ganga, Gauthami Ganga, Vasista Ganga
105.	Dr. S. Narasimha Rao, Asst. Professor (Pl. Pat.)	Dr. YSRHU- Vakula
106.	Dr. S. R. Pandravada Pr scientist (Eco. Bot)	Susthira (LCC-219)
107.	Dr. S. Surya Kumari, Dean PG Studies, Dr. YSRHU, V.R Gudem	LCA-620, LCA-625, LCH-111, LCA-424, LCA-436, Dr YSRHU- Kranthi, Dr YSRHU- Chaitra, Dr YSRHU-Tanvee, Dr YSRHU- Siri, Suruchi, Suguna, Susthira, Lam Methi-2, Lam Methi-3, Lam Ajowan-2, Dr YSRHU- Lam Varsha, Dr. YSRHU-Lam Swarna, BPP-10, BPP-11
108.	Dr. S.K. Sharma, Former Director & Project Co- ordinator, CIAH, Bikaner	Anantha Rudhira
109.	Dr. T. Naga Lakshmi, Sr. Scientist (Pl. Path.), HRS, Anantharajupeta	Vynateya Ganga, Gauthami Ganga, Abhaya Ganga, Vasista Ganga, Dr. YSRHU- Vakula,
110.	Dr. T. Padmalatha, Senior Scientist (Hort.)	BPP-10, BPP-11
111.	Dr. T. Rajasekharam, Senior Scientist (Pl. Path.)	Dr. YSRHU- Vakula, Godavari Bontha
112.	Smt. T. Vijaya Lakshmi, Sr. Scientist (Pl. Path.), HRS, Lam	Dr YSRHU- Kranthi, Dr YSRHU- Chaitra, Dr YSRHU- Tanvee, Dr YSRHU- Siri, Suruchi, Suguna, Susthira, Lam Methi-2, Lam Methi-3, Lam Ajowan-2, Dr YSRHU- Lam Varsha, Dr. YSRHU-Lam Swarna,
113.	Dr T. Thomson, Scientist (Horti) HRS, VRG	Dr YSRHU-Varna, Dr YSRHU-Shrestha
114.	Dr V. Chenga Reddy Rtd Pr. Scientist (Pl. Br), HRS, Lam	LCA-424, LCA-436
115.	Dr. V. Sivakumar, Scientist (Hort) & Head, HRS, Chintapalli	Dr YSRHU- Kranthi Dr YSRHU- Chaitra, Dr YSRHU- Tanvee , Dr. YSRHU-Lam Swarna
116.	Dr.VNP Sivaramakrishna, Associate Professor (Hort.), COH, Anantharajupeta	Dr. YSRHU- Vakula
117.	Dr V. Sudhavani Scientist (Hort)	BPP-10, BPP-11
118.	V. Surya Narayana Professor Rtd, COA, R'nagar	Gauthami Ganga



119.	Dr Y .P Venkata Subbaiah Scientist (Hort)	BPP-10, BPP-11
120.	Dr. Y.Radhakrishna, Scientist (Agronomy)	BPP-10, BPP-11
121.	Dr. B. Senthamizh Selvi AICRP on Spices, Coimbatore	Dr. YSRHU-Lam Swarna
122.	Dr. B. Mahender AICRP on Spices, Kammarapally	Dr. YSRHU-Lam Swarna
123.	Dr. Srinivas, AICRP on Spices, Kammarapally	Dr. YSRHU-Lam Swarna
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125.	Dr. A.K. Singh AICRP on Spices, Raigarh	Dr. YSRHU-Lam Swarna
126.	Dr. Anamika Debnath AICRP on Spices Pundibari	Dr. YSRHU-Lam Swarna
127.	Dr. Sharon Aravind, IISR	Dr. YSRHU-Lam Swarna
128.	Dr. D. Prasath, IISR	Dr. YSRHU-Lam Swarna
129.	Dr. K.S. Krishnamurthy, IISR	Dr. YSRHU-Lam Swarna
130.	Dr. A.K. Mishra, IISR	Dr. YSRHU-Lam Swarna
131.	Dr. K. Nirmal Babu , IISR	Dr. YSRHU-Lam Swarna
132.	Dr. Santhosh J. Eapen, IISR	Dr. YSRHU-Lam Swarna
133.	Dr. J. Rema, IISR	Dr. YSRHU-Lam Swarna
134.	Dr. Dhirendra Singh, SKNAU, Jobner, Rajasthan	Dr YSRHU- Lam Varsha
135.	Dr. D. G. Patel, SDAU, Jagudan, Gujarat	Dr YSRHU- Lam Varsha
136.	Dr. S.K. Tehlan, CHAU, Hisar, Haryana	Dr YSRHU- Lam Varsha
137.	Dr. V.P. Pandey, NDU&T, Kumarganj, U.P.	Dr YSRHU- Lam Varsha, Suguna, Suruchi, Susthira
138.	Dr. S.L.Sawargaonkar IGKV, Raigarh, Chhattishgarh	Dr YSRHU- Lam Varsha
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141.	Dr. Sharon Aravind, IISR, Calicut	Dr YSRHU- Lam Varsha
142.	Dr. K. Kandiannan, IISR, Calicut	Dr YSRHU- Lam Varsha
143.	Dr. K. S. Krishnamurthy, IISR, Calicut	Dr YSRHU- Lam Varsha
144.	Dr. K. Nirmal Babu, IISR, Calicut	Dr YSRHU- Lam Varsha, Suguna , Suruchi, Susthira
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153.	Dr. A.K. Singh, Jr. Pathologist, RARS, IGKV Raigarh.	Suruchi , Suguna, Susthira,
154.	Dr. S.P. Singh, Horticulturist RAU Dholi.	Suruchi , Susthira,
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