

Year of Release 2007

1. RICE – CO(R) 48

Special features

- Medium slender white fine rice similar to Improved White Ponni
- Intermediate amylose content, gelatinization temperature and high linear elongation ratio on cooking
- Superior cooking quality
- Moderately resistant to stem borer and hoppers, blast, RTD and sheath blight

Parentage : CO 43 / ASD 19

Duration (days) : 130 – 135

Season : Thaladi

Grain yield

Kg / ha	6007
% increase over	
I.W.Ponni	10
BPT 5204	17

Highest yield obtained : 9625 kg/ha

Area of adoption : Throughout Tamil Nadu except
Virudhunagar, Ramanathapuram,
Sivagangai and Nilgiris districts



2. PANIVARAGU – CO (PV) 5

Special features

- High grain yield, profuse tillering and non-lodging
- Drought tolerant and short duration
- Preferable grain qualities
- Palatable straw
- No pest and diseases incidence in normal sowing season. Grain smut, rust, brown spot and shootfly infection and dead heart symptoms are relatively less when compared to CO 4
- Highly nutritive grains with acceptable cooking qualities and value addition

Parentage : PV 1403 / GPUP 21
Duration (days) : 70
Season : Rainfed: Adipattam (June – July)
Purattasipattam (Sept. – Oct.)

Yield

	Grain	Straw
Kg / ha	2381	6675
% increase over		
CO 4	24.4	9.1
GPUP 21	35.0	15.1

Highest yield obtained : 3951 kg/ha

Area of adoption : Rainfed drylands, hill and tribal areas in Salem, Namakkal, Villupuram, Dindigul and Erode districts of Tamil Nadu. Low rainfall and low fertile soils in the marginal and sub-marginal rainfed drylands, hill and tribal areas in Tamil Nadu.



3. BLACKGRAM – VBN (Bg) 5

Special features

- Higher grain yield than the check varieties viz., VBN 3, VBN (Bg) 4 and ADT 5
- Suitable for both rainfed and irrigated condition. Under high fertility level, there is no vegetative growth as that of VBN (Bg) 4
- No incidence of Yellow Mosaic Virus throughout the year while VBN 3 and ADT 5 are susceptible during summer season

Parentage : Vamban 1 / UK 17

Duration (days) : 65 – 70

Season : June – July - Adipattam
Sep. – October - Purattasi pattam
Februry – March - Thai pattam

Yield

Kg / ha	820
% increase over	
VBN 3	12.32
ADT 5	22.02
VBG (Bg) 4	9.33

Highest yield obtained : 1212 kg/ha

Area of adoption : Suitable for growing in all the seasons and all regions of Tamil Nadu



4. AVARAI – CO (Gb) 14

Special features

- Attractive green colour pods
- High density planting because of erect and compact plant type
- Clipping not required
- Can be grown throughout the year
- Tolerates / compensates the damage of spotted pod borer
- Resistant to root rot and moderately resistant to Anthracnose

Parentage : CO 9 / CO 4

Duration (days) : 70 –75 (Vegetable crop)
80 – 85 (Seed crop)

Season : Adipattam (June – July)
Purattasipattam (Sept. – Oct.)
Thaipattam (Feb. – March)

Yield (Tender pods)

Kg / ha	7984
% increase over	
CO 13	22.49

Highest yield obtained : 13194 kg/ha

Area of adoption : Coimbatore, Salem, Dharmapuri and
Krishnagiri districts of Tamil Nadu



5. GROUNDNUT – VRI (Gn) 6

Special features

- Basal pod setting
- Tolerant to drought
- High shelling (75%)
- High oil content (50%)
- Small pods with rose kernels
- Moderately resistance to late leaf spot, rust and Peanut Bud Necrosis Disease (PBNB)

Parentage : Hybrid derivative of ALR 2 / VG 9513

Duration (days) : 100 – 105

Season : Rainfed: June-July
Irrigated: December – January

Yield	Rainfed	Irrigated
Kg / ha	1916	2403
% increase over		
VRI 2	10.5	13.5

Highest yield obtained : 5200 kg/ha

Area of adoption : Rainfed and irrigated tracts of Tamil Nadu.
Red laterite / sandy soil



6. TAPIOCA – CTCRI CO (Tp) 5

Special features

- Resistance to cassava mosaic disease
- Fairly food starch content (28%)
- Moderate tuber yield (38 t/ha)
- Erect and top branching habit
- Regular flowering and seed setting
- Tubers long, cylindrical, white flesh easy peelability and low in cyanoglucoside

Parentage : It is an exotic germplasm introduced from CIAT, Cali, Colombia (MNga-1). It is one of the hybrid lines produced for resistance to African Cassava Mosaic Disease at IITA, Nigeria, having the code No.TMS/30001

Duration (days) : 270 – 300

Season : June – July ; October – November

Yield (t / ha)	38
% increase over	
Sree Visakham	Yield on par

Highest yield obtained : 38 t/ha

Area of adoption : Adapted to loamy and sandyloam soils of Salem, Namakkal, Dharmapuri, Erode, Tirunelveli districts of Tamil Nadu and laterite soil of Kerala

7. WHITE LONG SNAKE GOURD – PLR (SG) 1

Special features

- This variety is suitable for cultivation under irrigated conditions only
- Excellent cooking quality due to less fibre and high flesh content and does not twist due to maturity

Parentage : Pure line selection of white long type

Duration (days) : 135

Season : June – September, November – March and April – May

Yield

t/ha	35 – 40
% increase over	
CO 1	30.5

Highest yield obtained : 46.5 t/ha

Area of adoption : Cuddalore, Villupuram, Vellore, Tiruvannamalai, Kancheepuram, Tiruvallur and Perambalur districts of Tamil Nadu. Well drained , organic matter rich, sandy loam soil



8. BHENDI HYBRID – COBhH 1

Special features

- Plants are 110-120 cm tall
- Fruits are dark green, long and tender. About 21-29 fruits are borne per plant
- High yielding and resistant to yellow vein mosaic virus disease
- Suitable for cultivation without pesticide spray

Parentage : VU Selection / PA 4 (T)

Duration (days) : 120

Season : May – June, November – December and February – March

Yield

t/ha	22.1
% increase over	
Arka Anamika	47.3
M 10	16.3

Highest yield obtained : 26.1 t/ha
Area of adoption : Coimbatore, Dharmapuri, Erode, Kancheepuram, Madurai, Namakkal, Pudukkottai, Ramanathapuram, Salem, Sivagangai, Thanjavur, Trichy, Thiruvannamalai, Villupuram and Vellore districts under irrigated condition



9. SAPOTA – PKM (Sa) 5

Special features

- High yielder, High Total Soluble Solids (25.5⁰ brix) and suitable for preparation of dry flakes, milk shake powder and mixed fruit jam.

- Leaves are waxy, narrow, small, upright and arranged in whorl form in cluster and rich in proline content, relative water content, epicuticular wax and chlorophyll stability index.
- Suitable for vertisols, water stagnated and drought areas.
- Oval shaped attractive fruits with smooth, light brown skin which facilitates a good market appeal.
- Flesh is crisp and retains coppery brown colour while other sapota varieties turn dark brown after ripening.
- Since the fruits are heavier with coloured flesh than other varieties, it is highly suitable for making flakes, powder and mixed fruit jam.
- It shows field tolerance to leaf spot and leaf webber incidences.

Parentage : It is a selection from open pollinated seedlings maintained in a private orchard at Virudhunagar

Duration (days) : Perennial

Season : June – October

Yield

Vertisol

t / ha	18.70
% increase over	
PKM 1	19.06
PKM 4	17.97

Highest yield obtained : 18.88 t / ha

Area of adoption : Well adapted to the vertisol soils of Southern Tamil Nadu and water stagnated and drought prone areas



10. JACK – PLR (J) 2

Special features

- Good quality and bigger sized fruits
- Highly palatable and edible flakes
- Will fetch more price due to attractive characters and keeping quality resulting in increased income to the farmers
- Less incidence of major pest and diseases

Parentage : It is a clonal selection from Pathirakkotai Local

Duration (days) : Perennial

Season : June – December

Yield

	No.	Kgs.
Fruits/tree/year	95-110	1600-1950
% increase over		
PLR 1	29.0	114

Highest yield obtained : 1950 kg/tree/year

Area of adoption : Suitable for growing in tropical climates. Deep well drained loam soil

