

IV-Workshop

Venue : Orissa University of Agriculture & Technology, Bhubaneswar

Date : 9th - 13th May, 1977

Varietal Trials

The varieties which have performed continuously well during 1973-77 and some of the recommended varieties are listed below.

Crops	Varieties	Source
Tomato		
S F Round type	HS-101* S-12*	Hisar Ludhiana
	Pusa Ruby* Pusa Early Dwarf (New recommendation)	IARI, New Delhi NBPGR
Medium and Large fruited	S1-120* T-1* Sweet-72* Sioux (New recommendation)	IARI, New Delhi Kalyanpur Gwalior
Round	T-3*	Kalyanpur
Pea		
Early	Arkel* GC-195* Early December (New recommendation)	IARI, New Delhi Gwalior Gwalior
Mid season	GC-141* Bonneville*	Gwalior IARI, New Delhi
Muskmelon		
	Pusa Sharbati* Arka Jeet*	IARI, New Delhi (for Southern States)
Watermelon	Durgapur Madhu* (New recommendation for all regions) Durgapura Meetha	Durgapura Durgapura
Onion		
Red	Pusa Ratnar*	Delhi (NBPGR)
White	S-131*	IARI, New Delhi

*Already identified in IIIrd Workshop



Pusa Early Dwarf



Sioux



Early December



Durgapura Madhu

Agronomical trials

The following recommendations were made from the results of the trials, subject to the estimation of cost benefit-ratio.

- (a) Lasso 2 kg/a.i./ha followed by one hand weeding at 5-6 weeks after sowing is recommended for weed control in okra (Pantnagar, Hisar and Sabour).
- (b) In cabbage a 75 x 30 cm spacing is recommended for variety Late Drumhead (Bhubaneshwar).
- (c) In late cauliflower cv. Snowball a spacing of 60 x 40 cm is recommended (Bhubaneshwar and Kalyanpur).
- (d) In brinjal variety Pusa Purple Long a spacing of 60x40 cm and optimum dose of N₂ 150 kg/ha P₂O₅ 100 kg/ha is recommended from Hesaraghatta.



Application of Lasso 2 kg ai/ha followed by one hand weeding found renumerative in Northern parts of country

Disease Control

The following recommendations were outlined from the session.

- (i) **Cauliflower:** Seed dressing with 0.2% Thiride gives a better germination, stand and healthier nursery (IARI and Katrain).

(ii) Peas

Alternaria blight: Three sprays of 0.2% of Dithane M-45 at an interval of 15 days have been recommended against Alternaria blight in Bihar. The first spray should be given at the appearance of the disease (Sabour).

(iii) Watermelon:

Alternaria blight: Three sprays of 0.2% Miltox or 0.2% Dithane M-45 at 15 days' interval were recommended for controlling the disease effectively in Maharashtra. The first spray should be given at the appearance of the disease.

(iv) Onion

Leaf blotch (*Alternaria porri*): Miltox along with sticker Triton AE sprayed 3 times at 15 days' interval found to be effective at Rahuri. The first spray should be given at the appearance of the disease.

Insect pest control

Experiments at Hesaraghatta and Rahuri during 1973-74 and at Sabour during 1974-76 have revealed that Monocrotophos (0.5 kg a.i./ha) and Endosulphan could effectively control the fruit borer and jassids in okra. Residue analysis carried out at Hesaraghatta during 1975 and 1976 indicated that it was safe to consume okra fruits harvested after 4 days following Monocrotophos spray.

V-Workshop

Venue : Tamil Nadu Agricultural University, Coimbatore

Date : 5th - 9th March, 1979

Varietal trials

- Cauliflower late group, considering the yield and quality, var. K-1 was identified.
- In small fruited (not round) tomato both Sel. 152 and Punjab Chuhara were identified for release considering the yield in different areas.