



K-1



Tomato-Sel-152



Punjab Chhuhara

Agronomy

- In brinjal, spacing 75 cm x 40 cm was recommended under Hisar conditions for varieties H-4 and Pusa Purple Long with optimum fertilizer dose of (100 kg N₂ +60 kg P₂O₅ /ha).
- In cabbage cv Pusa Drum Head, a spacing of 75 x 30 cm is recommended with NPK 150, 80 and 75 kg/ha respectively under Bhubaneshwar conditions.
- The tomato varieties HS 101 and Pusa Ruby should be planted at a spacing of 60 cm x 30 cm with (150 kg N₂, 60 kg P₂O₅ and 60kg K₂O/ha) under Sabour conditions to achieve maximum net return per hectare.
- In chillies, foliar application 50 kg N₂ at basal dressing (30 days after transplanting) was recommended under Coimbatore conditions.
- At Lam, application of the weedicide Tok-E25 kg. a.i./ha was recommended for Chillies.

Disease control

- For the control of powdery mildew of peas of okra Bavistin 0.1% was effective at Rahuri centre.
- For the control of powdery mildew of peas four sprays with Karathane-0.5% at fortnightly intervals was found to be effective at Rahuri, Udaipur and Sabour and Wettable sulphur (Sulfex)-0.2% was also found to be effective.
- For chemical control of *Cercospora* leaf spot of Brinjal the Bavistin (0.1%) was found to be effective at Hesaraghatta.

VI-Workshop

Venue : Mahatma Phule Krishi Vidyapeeth, Pune

Date : 23rd - 27th June, 1981

Varietal trials and Heterosis breeding

Brinjal

(Long): A new entry PBR 129-5 from Pantnagar was found to be promising at Ludhiana and Kalyanpur and can be taken up for pre-release multiplication for north India.

(Round): Arka Navneet-a F₁ hybrid has consistently given higher yields over open pollinated varieties for 3-4 years. This is recommended for release and for multiplication of parents and hybrids by NSC.

(Green): Arka Kusumakar is recommended for Karnataka region only and seed multiplication can be taken up.

Cauliflower: The line 114-S-1 from Pantnagar can be taken up for pre-release multiplication.

Watermelon: A pre-release multiplication of the parents and F₁ hybrid Arka Jyoti is recommended.

Carrot: Pre-release multiplication of Sel-5 can be taken up.



Brinjal- PBR -129-5



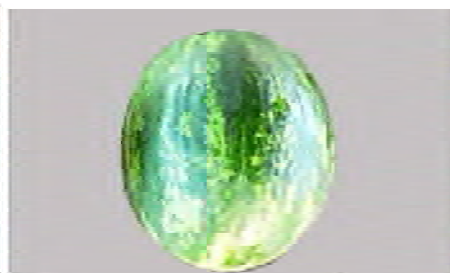
Arka Navneet (IIybrid)



Arka Kusmakar (IIybrid)



114-S-1 (Pant Shubhra)



Arka Jyoti (Hybrid)



Sel-5 (Pusa Yamdagini)

2. Agronomy

- A dose of 40 kg N₂/ha as basal + 40 kg N₂/ha as foliar spray is recommended for late cauliflower (Snowball-16) under Sabour conditions. But under Pantnagar conditions, 60 Kg N₂ /ha as basal + 30 Kg foliar spray in 3 splits is recommended for the same cauliflower variety. In Kalyanpur, the best response is with 60 Kg N₂/ha as top dressing in two equal splits.
- In the weedicide experiments, Basalin 1 Kg a.i./ha as pre plant incorporating followed by one hand weeding at 45 days after sowing is good for okra cv. Pusa Sawani (green pod) under Sabour conditions. In the case of onion pre plant incorporation of Basalin at 1 Kg a.i./ha with one hand weeding 45 days after transplanting, is recommended (Kalyanpur and Sabour).

VII-Workshop

Venue : Haryana Agricultural University, Hisar

Date : 16th - 19th May, 1983

Breeding

Varietal Improvement and Heterosis Breeding:

- In brinjal long, Azad Kranti was identified for North-Central Region.
- In cowpea variety L-1552 was identified.



Azad Kranti (KS-701)



L-1552 (Pusa Komal)

Agronomy

- The application of 50 kg nitrogen as basal dose and a spacing of 75 cm x 60 cm is recommended for Pusa Purple Long brinjal while for cv. PBR 129-5, 100 kg nitrogen per hectare (basal) and the planting distance of 75 x 60 cm are recommended for Pantnagar conditions.