

SUMMARY OF OILSEEDS DEMONSTRATION – RABI/SUMMER 2005-06

The results of the demonstrations implemented in different crops are analyzed centre-wise and presented for different farming situations i.e., rainfed and irrigated.

I Groundnut

A. Karnataka

Groundnut demonstrations were conducted in fourteen districts under irrigated and rainfed situations (Table 5). The varieties used in the demonstrations were GPBD-4, TAG-24, S-206, DH-86 and TMV-2. In 12 districts of the state, demonstrations were conducted under irrigated situation. The total area under irrigated demonstrations was 78.2 ha involving 171 farmers. The average demonstration yield was 17.5 q/ha against 12.8 q/ha of local check exhibiting increased yield of 36.7%. The highest average yield was achieved at Shimoga with variety GPBD-4 (31.5 q/ha) followed by TMV-2 (28.4 q/ha) in the same district. Maximum yield was 10.0 q/ha. The cost of production ranged from Rs.4350/ha to Rs. 7191/ha.

Under rainfed situation, 15 ha demonstrations were conducted involving 38 farmers. The varieties used in the demonstrations were GPBD-4 and DH-86. The average demonstration yield was 19.1 q/ha against 13.2 q/ha of local check showing an increased yield of 44.7%. The maximum demonstration yield recorded was 24.5 q/ha and the minimum was 18.1 q/ha. The cost of production of the demonstration ranged from Rs. 7210/ha to Rs. 11670/ha.

B. Tamil Nadu

In Tamil Nadu state 120 ha demonstrations were conducted covering two districts involving 312 farmers. The varieties used in the demonstrations were VRI-2, TMV-7 and local red.

Under irrigated situation 95 ha demonstrations were laid out involving 213 farmers covering 14 districts in the state. The average demonstration yield was 17.8 q/ha against 14 q/ha in local check showing increased yield of 27.1%. The highest demonstration yield was achieved at Cuddalore and Nagapattinam (24.9 q/ha) with the variety VRI-2 followed by Cuddalore (24.2 q/ha) with the same variety in different location. The integrated plant and disease management and full package demonstration were the components. The maximum

yield of 28.1 q/ha and minimum of 11.3 q/ha achieved in the demonstration. The cost of production ranged from Rs.5100/ha to Rs.11840/ha.

Under rainfed situation, 30 ha demonstrations were conducted involving 99 farmers. The average demonstration yield was 16.2 q/ha against 12.3 q/ha of local check showing increased yield of 31.7%. The highest average yield was achieved at Pudukkottai (24.9 q/ha) with variety VRI-2 followed by 18.1 q/ha at Salem with same variety. Maximum yield of 32 q/ha achieved at Pudukkottai and the minimum of 6 q/ha. The low yields recorded due to severe water stress during flowering and peg formation stages. The cost of production ranged from Rs. 5229/ha to Rs. 7800/ha.

C. Pondicherry

Groundnut demonstrations were conducted in 8.8 ha under irrigated situation involving 22 farmers. The average demonstration yield was 23.4 q/ha against 21 q/ha of local check exhibiting increased yield of 26%. The maximum yield recorded in the demonstration was 26 q/ha and the minimum of 20 q/ha. The cost of demonstration was Rs. 8100/ha and the local check was Rs.6900/ha.

II Sunflower

A. Karnataka

Sunflower demonstrations were conducted in 13 districts of the state under irrigated and rainfed situations involving 160 farmers.

Under irrigated situation 75 ha demonstrations were conducted involving 136 farmers. The varieties/hybrids used in the demonstrations were SB-275, RSFH-1, KBSH-1, KBSH-41, MSFH-8 and Advanta-8699. The average demonstration yield was 17.2 q/ha against 12.5 q/ha of local check exhibiting increase in yield of 37.6%. The highest average yield was achieved at Davanagere (22.6 q/ha) with hybrid KBSH-1 followed by 22 q/ha at Mysore with hybrid MSFH-8. The maximum yield recorded was 25.1 q/ha and the minimum of 4.5 q/ha. The cost of production ranged from Rs. 5150/ha to Rs.8000/ha. The

Under rainfed situation 10 ha demonstrations were conducted involving 24 farmers. The average yield realized out of demonstration was 8 q/ha against 6.7 q/ha of local check exhibiting increased yield of 19.4%. The highest average yield (8.1 q/ha) achieved at Belgaum with hybrid SB-275 followed by 7.8 q/ha with hybrid KBSH-1 at Haveri. The maximum yield recorded was 9

q/ha and minimum 7 q/ha in the demonstration. The cost of production ranged from Rs. 4653/ha to Rs. 5500/ha.

A. Tamil Nadu

In Tamil Nadu state 40 hectare demonstrations were conducted under irrigated and rainfed situations. The hybrids used in the demonstrations were Co-4, KBSH-1 and MSFH-17.

Under irrigated situation 35 ha demonstrations were conducted involving 85 farmers. The average demonstration yield was 16.6 q/ha against 12.4 q/ha of local check exhibiting increase in yield of 33.9%. The highest average yield was achieved at Thanjavur (21.2 q/ha) followed by 19.5 q/ha at Trichy with hybrids of MSFH-17 and Co-4 respectively. The maximum yield recorded was 21.7 q/ha at Thanjavur and the minimum of 12 q/ha at Thiruvannamalai. The cost of production ranged from Rs. 4500/ha to Rs.6040/ha. The

Under rainfed situation five hectare demonstrations were conducted at Salem involving 12 farmers. The average yield realized out of demonstration was 11.2 q/ha against 8.6 q/ha of local check exhibiting increased yield of 30.2%. The maximum yield recorded in demonstration was 12 q/ha and minimum 7 q/ha. The cost of production ranged from Rs. 4840/ha to Rs. 3950/ha.

III Sesamum

The demonstrations on sesamum were conducted in Tamil Nadu. A total of 90 ha demonstrations were conducted involving 212 farmers. The varieties used in these demonstrations were VRI-2, TMV-3, VRI-1, VRI-6, SVPR-1 and TMV-6.

A. Tamil Nadu

Under irrigated situation 65 ha demonstrations were conducted involving 155 farmers. The average demonstration yield was 7.4 q/ha against 5.8 q/ha of local check exhibiting increased yield of 27.6%. the highest average yield was achieved at Tiruvarur (10.6 q/ha) followed by Thiruvallur (10 q/ha) with variety TMV-3 and TMV-4 respectively. The maximum yield was recorded at Tiruvarur (10.6 q/ah) and minimum of 4.5 q/ha at Nagapattinam. The cost of production ranged from Rs.3700/ha to Rs.5500/ha.

Under rainfed situation 25 ha demonstrations were conducted involving 57 farmers. The average demonstration yield was 5.8 q/ha against 4.5 q/ha of local check, exhibiting increased yield of 28.9%. The highest average yield of 6.6 q/ha achieved at Tuticorin with variety TMV-4 followed by 5.2 q/ha at Salem with variety SVPR-1.

IV Soybean

Karnataka

Soybean demonstration was conducted in five hectare area involving 12 farmers. The average demonstration yield was 14 q/ha against 11.2 q/ha of local check showing an increased yield of 25%. The variety used in the demonstration was JS-335. The maximum yield recorded in the demonstration was 15.3 q/ha and the minimum of 11.3 q/ha. The cost of production in demonstration was Rs.5500/ha and in local check Rs.4200/ha.

V Safflower

Karnataka

Thirty five hectare demonstration was conducted involving 59 farmers under rainfed situation. The varieties used in the demonstration were A-1, A-2 and NARI-6. The average demonstration yield was 8.8 q/ha against 7.3 q/ha of local check showing an increased yield of 20.6%. The highest average yield was achieved at Chitradurga (12.7 q/ha) followed by Bellary (8.5 q/ha) with varieties A-1 and A-2 respectively. The maximum yield of 16.9 q/ha was recorded at Bellary and the minimum of 6.2 q/ha at Haveri. The cost of production ranged from Rs.3000/ha to Rs.4850/ha.

EXTENSION ACTIVITIES

The summary of extension activities conducted in these demonstrations are given in Table 14. The total number of field days conducted during the season were 64 involving 2577 farmers. A total of 4300 farmers were trained in 177 training programmes. Apart from above, 51 TV/radio programmes and 48 conventions involving 1156 farmers were also organised. There were 80 farmers meetings with 1107 farmers, 198 field visits to 1475 farmers, 41 farmers scientist interaction with 426 farmers were held during the season.