

SUMMARY OF OILSEEDS DEMONSTRATION - KHARIF 2006

The demonstration on oilseeds were located in 19 districts of Karnataka and 11 districts of Tamil Nadu. The varieties used in the groundnut demonstrations were TGLPS-3, GPBD-4, K-134, R-8808, KRG-1, TMV-2, VRI-2, TMV-7, JL-24. In sunflower KBSH-1, KBSH-41, RSFH-1, Ganga Kaveri Sinjenta, Augrun 110, SB-275,MSFH-17, CO-04, TCSH-1, SSH-48. In sesamum DS-1, DS-9, TMV-3, SVPR-1, VRI-2. In soybean JS-335, DSB-1. In castor GCG-4, Kranti, DCS-9, 48-1 and TMVCH-1 were the varieties/hybrids used in the demonstrations. Results of these demonstrations were analysed centrewise and have been reported for different farming situations viz. rainfed and irrigated.

I Groundnut

A. Karnataka

Under irrigated situation 21.5 hectare demonstrations were implemented involving 38 farmers with varieties GPBD-4, R-8808 and KRG-1. The average yield of these demonstrations was 15.9 q/ha against 13.1 q/ha local check, exhibiting increased yield of 20.6%. The highest average yield was obtained at Mandya (19.5 q/ha) with variety GPBD-4. Maximum yield obtained at Belgaum (25.1 q/ha) and the minimum yield (12.5 q/ha) at Raichur. The cost production of irrigated demonstrations was ranging from Rs.5659 to Rs.6200/ha and the local check Rs.4150 to Rs.4965/ha.

In rainfed situation, 135.7 hectare demonstration was conducted involving 27 farmers. The average demonstration yield was 9.7 q/ha as against 7.4 q/ha local check showing increased productivity of 31%. The varieties used in the demonstrations were TGLPS-3, GPBD-4, K-134 and TMV-2. The highest average yield realised at Dharwad (17.8 q/ha) with variety GPBD-4. The maximum demonstration yield was achieved at Dharwad (19.0 q/ha) and minimum yield of 1.7 q/ha at Kolar. The cost of cultivation ranged from Rs.5100/- to Rs.13600/ha.

B. Tamil Nadu

In Tamil Nadu state, 40 hectare demonstrations were conducted in irrigated situation involving 74 farmers. The demonstrations were conducted in Cuddalore, Nagapattinam, Dindigul, Erode and Tuticorin districts. The average demonstration yield was 18 q/ha against

14.3 q/ha local check exhibiting increased productivity of 25.9%. The highest average yield was achieved at Cuddalore (25.8 q/ha) with variety VRI-2. The maximum yield obtained at Cuddalore (28.49 a/ha) and the minimum yield of 12.6 demonstration yield at Erode. The varieties used in the demonstrations were VRI-2 and TMV-7. The cost of production of the demonstrations ranged from Rs.6875 to Rs.12295.

In rainfed situation 40 hectare demonstrations were conducted involving 117 farmers. The average demonstration yield was 13.1 q/ha as against 10.6 q/ha local check showing increased yield of 23.6%. The varieties used in the demonstrations were VRI-2, TMV-7 and JL-24. The highest average demonstration yield was achieved at Theni (17.7 q/ha) with variety VRI-2. The maximum yield was obtained at Theni (20 q/ha) and minimum yield at Krishnagiri (5.1 q/ha). The cost of production in demonstrations ranged from Rs.5200/ha to Rs.11,772 q/ha.

II Sunflower

A. Karnataka

Sunflower demonstrations were conducted in 14 districts of Karnataka under irrigated and rainfed situation in 124 hectare area involving 310 farmers.

Under irrigated situation 19 hectare demonstrations were conducted involving 25 farmers. The average demonstration yield was 15.8 q/ha against 10 q/ha local showing an increased productivity of 58%. The highest average yield achieved at Mysore with hybrid MSFH-17 (19.5 q/ha). The varieties/hybrids used in the demonstrations were SB-275 and MSFH-17. The cost of production ranged from Rs.7890 to Rs.8900/ha.

In rainfed situation 105 hectare demonstrations were conducted involving 285 farmers. The average demonstration yield was 10 q/ha against local check 8.2 q/ha exhibiting increase yield of 22%. The highest average yield achieved at Chickmagalur (18 q/ha) with hybrid KBSH-1. Maximum yield was realised at Chickmagalur (19 q/ha) and the minimum yield (2.5 q/ha) at Chamrajnagar. The cost of production ranged from Rs.3215/ha to Rs.8670/ha.

A. Tamil Nadu

In Tamil Nadu state, 20 hectare demonstrations was conducted under irrigated situation involving 49 farmers. The variety/hybrid used in the demonstrations were CO-4, SSH-48. The average demonstration yield was 14.4 q/ha against the check plot yield of 11.1 q/ha showing

increased productivity of 29.7%. The highest average yield was achieved at Trichy (18.1 q/ha) with variety/hybrid CO-4. The maximum yield of 19.1 q/ha at Trichy and minimum yield of 11 q/ha at Dindigul. The cost of cultivation ranged from Rs.3629/ha to Rs.3710/ha.

In rainfed situation 10 hectare demonstrations were conducted involving 25 farmers. The variety/hybrid used in the demonstrations was Co-4 and TCSH-1. The average yield obtained in the demonstrations were 17.5 q/ha against local check (12.4 q/ha) exhibiting increased yield of 41.1%. The highest average yield obtained at Cuddalore (21.9 q/ha). The maximum yield achieved at Cuddalore (26.1 q/ha) and the minimum at Salem 2.6 q/ha. The cost of production ranged from Rs.3540/ha to Rs.4500/ha.

III Sesamum

A. Karnataka

Twenty five hectare demonstrations were conducted under rainfed situation involving 41 farmers. The average demonstration yield was 2.7 q/ha against 2.2 q/ha local check showing increased yield of 22.7%. Due to deficit rainfall during and after sowing sesamum, most of the demonstrations were vitiated. The cost of production ranged from Rs.2848/ha to Rs.5520/ha.

B. Tamil Nadu

In Tamil Nadu, 25 hectare demonstrations were conducted in four districts involving 56 farmers under rainfed situation. The average demonstration yield was 5.7 q/ha against the local check of 4.4 q/ha exhibiting increased yield of 29.6%. The highest average yield was achieved at Cuddalore (7.5 q/ha). The maximum yield obtained at Cuddalore (8.3 q/ha) with minimum yield of 1.2 q/ha at Krishnagiri. The cost of production ranged from Rs.2000/ha to Rs.3800/ha.

IV Soybean

Karnataka

Fifty hectare demonstrations were conducted under irrigated and rainfed situation involving 111 farmers.

Under irrigated situation 20 hectare demonstrations were conducted involving 50 farmers. The variety used in the demonstrations was JS-335. The average demonstration was 31.4 q/ha against 26.1 q/ha local check showing increasing in yield of 20.3%. The maximum yield realised out of demonstration was 36.1 q/ha and the minimum yield was 27.9 q/ha. The cost of production of the demonstration was Rs.6760/ha and the cost on check was Rs.4555/ha.

Under rainfed situation 30 hectare demonstrations were conducted involving 61 framers. The average demonstration yield was 15 q/ha against 11.4 q/ha local check, showing increased yield of 31.6%. The highest average yield was achieved at Bidar (22.5 q/ha) with variety DSB-1. The maximum yield obtained at Bidar (22.7 q/ha) and the minimum yield of 15.3 q/ha at Dharwad. The cost of

V Castor

A. Karnataka

Six districts in Karnataka covered under castor crop during the season. Forty hectare demonstrations were conducted involving 72 farmers. The demonstrations were conducted under rainfed situation. The average demonstration yield was 9.6 q/ha against 7.4 q/ha local check exhibiting increased yield of 29.7%. The highest average yield was achieved at Hassan (14 q/ha) with variety/hybrid GCH-4. The maximum yield of 14.8 q/ha obtained at Hassan and minimum at Kolar (6 q/ha). The cost of production was ranging from 6200 to Rs.8100/ha.

B. Tamil Nadu

Four districts in Tamil Nadu covered under castor crop both under irrigated and rainfed situation. Twenty five hectare demonstrations were conducted with 61 farmers.

Under irrigated situation, 5 hectare demonstrations were conducted involving 14 farmers. The average demonstration yield was 103 q/ha against 7.8 q/ha local check exhibiting increased yield of 32%. The highest average yield was 11.3 q/ha. The cost of production of demonstration was 5700/ha and local check Rs.4300/ha.

Under rainfed situation 20 hectare demonstration was conducted involving 47 farmers. The average demonstration yield was 10.5 q/ha against 6.1 q/ha local check exhibiting increased yield of 72.1/ha. The highest average yield obtained at Salem with hybrid TMVCH-1 (20.1 q/ha) and minimum yield at Krishnagiri (4 q/ha). The variety/hybrids used in the demonstrations was TMVCH-1 and GCH-4. The cost of production ranged from Rs.3100/ha to Rs.7000/ha.

EXTENSION ACTIVITIES

The summary of extension activities conducted in these demonstrations by all the FLD centres is provided in Table 22. A total of 49 field days were conducted during the season involving 2814 farmers. During these demonstrations 3267 farmers were trained in 162 training programmes. Thirty four training programmes were conducted for 583 extension officers. Apart from 21 radio/TV programmes, which provided publicity and mass awareness of results of FLD, 27

conventions were held with 387 participants. Other extension activities like farmers meeting were 68 with 1045 farmers, 25 field visits with 1276 participants and 37 farmers' scientist interactions with 797 participants.

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