

SUMMARY OF OILSEEDS DEMONSTRATION - KHARIF 2005

The demonstrations on oilseeds were located in 19 districts of Karnataka and 20 districts of Tamil Nadu. The varieties used in the groundnut demonstrations were GPBD-4, Mardur, TMV-2, K-134, R 8808 and TGLPS-3, VRI-2, CO-2, JL-24, TMV-7, CO-3, VRI-3 and GG-20 and local red. In sunflower KBSH-1, KBSH-41, SB-275, MSFH-8, RSFH-1, Kaveri Agson-101, Co-4, TCSH-1 were the varieties/hybrids. In sesamum, DS-1, TMV-3, SVPR-1 and VRI-1 varieties were demonstrated. In soybean JS-335, DSB-1 and in castor DCH-32, DCS-9, GCH-4, Rozy, Kranthi, DCH-177, 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 10 hectare demonstrations were implemented involving 20 farmers with varieties GPBD-4 and TGLPS-3. The average yield of these demonstrations was 19.2 q/ha against local check and the increased productivity was 24.7%. The highest average yield of 28.6 q/ha was obtained at Bagalkot with variety GPBD-4. Maximum yield (29 q/ha) was achieved at Bagalkot with variety GPBD-4. The cost of production of irrigated demonstration was ranging from Rs.7865 to Rs.10000/ha and Rs.5385 to Rs.8960 for local check.

In rainfed situation, demonstrations were conducted in 90 hectare involving 212 farmers. The average demonstration yield was 12.1 q/ha against 8.8 q/ha in control plots and the increased productivity was 37.5%. The varieties used in the demonstration were GPBD-4, Mardur, TMV-2, K-134 and R-8808. The highest average yield of 23.4 q/ha was achieved at Haveri with variety GPBD-4. The maximum yield of 24.5 q/ha was also achieved at Haveri. The cost of demonstrations ranged from Rs.4000/ha to Rs.11670/ha.

B. Tamil Nadu

In Tamil Nadu, 80 hectare demonstrations were conducted involving 187 farmers in irrigated situation. The demonstrations were conducted in Thanjavur, Dindigul, Tuticorin,

Nagapattinam, Theni, Cuddalore, Madurai, Kancheepuram and Tirunelveli districts. The average demonstration yield was 18.4 q/ha against 14.8 q/ha in local check and increase in yield was 24.3%. The highest average yield was achieved at Cuddalore (25.40 q/ha) followed by Kancheepuram (21.7 q/ha) with variety VRI-2 and GG-20 respectively. Maximum yield (29.7 q/ha) was also achieved at Cuddalore. The varieties used in the demonstrations were VRI-2, VRI-3, TMV-7, Co-3 and GG-20. The cost of production was ranged from Rs.4950/ha to Rs.10000/ha.

Under rainfed situation, 65 hectare demonstrations were conducted involving 221 farmers. The average demonstration yield was 15.7 q/ha against 11.7 q/ha in control plots. The increased productivity was 34.2%. The highest average yield was achieved at 23.5 q/ha at Pudukottai with variety VRI-2. The maximum yield of 24.5 q/ha achieved at Pudukottai and minimum at Tiruvannamalai district. The varieties used in the demonstration were VRI-2, Co-2, TMV-7, local red. The cost of production ranged from Rs.4557/ha to Rs.11,520/ha.

II SUNFLOWER

A. Karnataka

Sunflower demonstrations were conducted in 13 districts of Karnataka under irrigated and rainfed situation in 94.8 hectare area involving 202 farmers.

Under irrigated situation 30 hectare demonstrations were conducted involving 62 farmers. The average demonstration yield was 12 q/ha against 9.2 q/ha local check exhibiting increased yield of 30.4%. The highest average yield (20.3 q/ha) achieved at Mysore with variety MSFH-8. The varieties used in the demonstrations were KBSH-41, KBSH-1, SB-275 and MSFH-8. The cost of production ranges from Rs.4526/ha to Rs.8000/ha.

In rainfed situation 64.8 hectare demonstration was conducted involving 142 farmers. The average demonstration yield was 11.8 q/ha against 9.2 q/ha in control plot. The increase in yield was 26.5%. The variety/hybrid used in the demonstration was KBSH-1, KBSH-41, SB-275, RSFH-1, Kaveri Agson-101, KBSH-44. The highest average yield (17.3 q/ha) achieved at Chickmagalur with variety/hybrid KBSH-1. Maximum yield 20.0 q/ha also achieved at Chickmagalur. The cost of production ranged from Rs.3800/ha to Rs.7898/ha.

B. Tamil Nadu

In Tamil Nadu, under irrigated situation 35 hectare demonstrations were conducted involving 81 farmers. The average demonstration was 15.7 q/ha against 12.6 q/ha local check. The increased productivity was 24.6%. The highest average yield achieved (22.7 q/ha) at Cuddalore. Maximum yield of 25.4 q/ha also achieved at Cuddalore with variety Co-4. The cost of production ranged from Rs.4209/ha to Rs.6100/ha. The varieties/hybrid used in the demonstrations were Co-4, TCSH-1.

In rainfed situation, 10 hectare demonstration was conducted involving 22 farmers. The average demonstration yield was 12.7 q/ha against 9 q/ha local check showing increased yield of 41.1%. The variety used in the demonstration was Co-4. The cost of production ranged from Rs.5100/ha to Rs.5300/ha.

III SESAMUM

A. Karnataka

Twenty hectare demonstration was conducted under rainfed situation involving 35 farmers. The average demonstration yield was 4.9 q/ha against 4 q/ha local check showing increased productivity of 22.5%. The variety used in the demonstration was DS-1. The highest average yield was obtained at Bidar (6.3 q/ha) followed by Gadag (5 q/ha). The cost of production ranged from Rs.2085/ha to 2581/ha.

B. Tamil Nadu

Fifteen hectare demonstration was conducted under irrigated and rainfed situation involving 44 farmers. In irrigated situation 10 hectare demonstration was conducted involving 32 farmers. The average demonstration yield was 5.9 q/ha against 4.1 q/ha in control plot exhibiting increased yield of 43.9%. The variety used in the demonstration was TMV-3 and SVPR-1. The highest average yield was achieved at Dharmapuri (5.9 q/ha) followed by Erode (5.8 q/ha). The cost of production ranged from Rs.2850 to Rs.2900/ha.

Under rainfed situation, 5 ha demonstration was conducted at Cuddalore district of Tamil Nadu with variety VRI-1. The average demonstration yield was 7.2 q/ha against 5.8 q/ha

local check. The increased in yield was 24.1%. The cost of production on demonstration was Rs.2880/ha and the local check is Rs.2080.

IV SOYBEAN

Karnataka

Soybean demonstrations were conducted in 45 hectare area involving 102 farmers.

Under irrigation situation 15 ha demonstration was conducted involving 37 farmers. The average demonstration yield was 32.2 q/ha against 25.7 q/ha local check showing an increased yield of 25.3%. The maximum yield recorded in the demonstration was 37.5 q/ha and the minimum of 28.8 q/ha. The cost of production of demonstration was Rs.4894/ha and the local check was Rs.3996/ha. The variety used in the demonstration was JS-335.

Under rainfed situation 30 hectare demonstration was conducted involving 65 farmers. The average demonstration yield was 15.6 q/ha against 11.5 q/ha local check with an increased yield of 35.7%. The highest average yield was achieved at Bidar (24.5 q/ha) with variety DSB-1 followed by same district (21.4 q/ha) with variety JS-335. The cost of production ranged from Rs.3870 to Rs.6708/ha.

V CASTOR

A. Karnataka

Four districts in Karnataka covered under this crop during season. 25.8 hectare demonstration was conducted involving 63 farmers under rainfed situation. The average demonstration yield was 11.3 q/ha against 7.90 q/ha local check showing increased yield of 43%. The highest demonstration yield was achieved at Mysore (14.9 q/ha) with variety DCS-9 followed by Chitradurga with variety DCH-32 (12.7 q/ha) and Mysore with variety GCH-4 (12.7 q/ha). The cost of production ranged from Rs.4405/ha to Rs.4849/ha.

B. Tamil Nadu

Three districts in the state implemented FLD on castor in 20 ha area, involving 71 farmers under irrigated and rainfed situation. Under irrigated situation 5 ha demonstration was conducted involving 11 farmers. The average demonstration yield was 11.0 q/ha against 8.4 q/ha local check showing increased yield of 30.9%. The variety/hybrid used in the

demonstration was TMVCH-1. The cost of production in demonstration plots is Rs.3500/ha and Rs.2500/ha under local check.

Under rainfed situation 15 ha demonstration was conducted involving 60 farmers. The average demonstration yield was 9.2 q/ha against 5.8 q/ha in local check exhibiting increased yield of 58.6%. The highest average yield was achieved at Dharmapuri (13.2 q/ha) followed by 7.2 q/ha at Salem with varieties/hybrid GCH-4 and TMVCH-1 respectively. The cost of production ranged from Rs.3000/- to Rs.3150/ha.

Extension Activities

The summary of extension activities conducted by all the FLD centres is provided in table 21. A total of 65 field days were conducted during the season involving 3597 farmers. During these demonstrations 3796 farmers were trained in 171 training programmes. Thirty training programmes were conducted for 650 extension officers. Apart from 63 radio/TV programmes, which provided publicity and mass awareness of results of FLD. Fifty three conventions were held with 887 participants. Other extension activities like farmers meeting were 64 with 823 participants, 145 field visits with 1395 participants and 132 farmers scientists interactions with 725 participants.

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