

SUMMARY OF OILSEEDS DEMONSTRATION - KHARIF 2007

The demonstration on oilseeds was located in 17 districts of Karnataka and 17 districts of Tamil Nadu. The varieties used in the groundnut demonstration were GPBD-4, S-230, JL-24, R-8808, KRG-1, TMV-7, VRI-2, VRI-4, TMV-13 and TMV-2. In sunflower, KBSH-41, KBSH-44, SB-275, SSH-48, TCSH-1, CO-4 and Morden. In sesamum DSS-9, DS-1, VRI-2, SVPR-1. In soybean JS-335, JS-9305 & DSB-1. In castor, GCH-4, DCH-32, Kranthi, Castor 48-1, DCS-9, 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 15 hectare demonstrations were implemented involving 30 farmers with variety GPBD-4. The average demonstration yield of these demonstration was 17.7 q/ha against 15.7 q/ha local check, exhibiting increased yield of 12.7%. The highest average yield was 22.8 q/ha (Belgaum with variety GPBD-4). Maximum yield of 25.5 q/ha obtained at Belgaum and minimum of 5.5 q/ha at Bagalkot. The cost of production ranged from Rs.9667 to Rs.9694/ha. The cost of production of local check also ranged from Rs.8828 to 9211/ha. Low yield was reported at Bagalkot was due to poor pod filling.

In rainfed demonstrations, 114.3 q/ha hectare demonstration was conducted involving 205 farmers. The average demonstration yield was 14 q/ha against 10.8q/4ha local check showing an increased yield of 29.6%. The varieties used in the demonstration were GPBD-4, S-230, JL-24, R-8808, KRG-1 and TMV-2. The highest average yield realised at Davangere (18.2 q/ha) followed by Dharwad (18.1 q/ha) with variety GPBD-4. The lowest yield was realised at Mandya (9.6 q/ha) with GPBD-4. The maximum yield was obtained at Chamrajnagar (27.6 q/ha) and the minimum at Mandya (9.9 q/ha). The cost of production ranged from Rs.6100 to Rs.10,800/ha.

B. Tamil Nadu

Under irrigated situation 75 hectare demonstration was conducted involving 178 farmers. The variety/s used in the demonstrations were CO-3, VRI-2, VRI-3, TMV-7 and TMV-13. The average demonstrations yield was 16.9 q/ha against 13.5 q/ha local check, exhibiting increased yield of 25.2%. The highest average was 22.4 q/ha at Thanjavur and the lowest yield at Dindigul (13 q/ha). The maximum yield realised in the demonstrations was 24.9 q/ha and the minimum 9.9 q/ha at Erode. The cost of demonstrations was ranged from Rs.7150 to Rs.9800/ha.

II Sunflower

A. Karnataka

Sunflower demonstrations were conducted in 14 districts of Karnataka under irrigated and rainfed situation in 90 hectares area involving 184 farmers.

Under irrigated situation 25 hectare demonstrations were conducted involving 43 farmers. The hybrids used in the demonstrations were KBSH-41, KBSH-44 and SB-275. The average demonstration yield was 15.8 q/ha against 12.5 q/ha local check exhibiting increased yield of 26.4%. The highest average yield of 20 q/ha obtained at Belgaum with hybrid KBSH-44. The maximum yield of 22.3 q/ha was also achieved at Belgaum. The minimum yield of 8.8 q/ha obtained at Bagalkot with hybrid SB-275. The cost of production of demonstration ranged from Rs.6154 to Rs.10668/ha.

In rainfed situation 65 hectare demonstrations were conducted involving 141 farmers. The hybrids used in the demonstration were KBSH-1, KBSH-44 and SB-275. The average yield obtained in the demonstration was 13.7 q/ha against 11.1 q/ha local check exhibiting increased yield of 23.4%. The highest average yield realised at (18.6 q/ha) Hassan with hybrid KBSH-41. The maximum yield of 20.5 q/ha was achieved at Hassan and the minimum of 7.2 q/ha at Bijapur with hybrid SB-275. The cost of production of the demonstration ranged from Rs.5318/ha to Rs.8450.

B. Tamil Nadu

In Tamil Nadu State 50 hectare demonstrations were conducted under irrigated situation involving 109 farmers. The variety/hybrids used in the demonstrations were KBSH-44, SSH-48, TCSH-1, CO-4 and Morden. The average yield realised in the demonstrations were 16 q/ha against 13 q/ha local check showing increased yield of 23%. The highest average yield was obtained at Trichy (18.7 q/ha) followed by Cuddalore (17.4 q/ha) with hybrid TCSH-1 and respectively. The maximum yield obtained in the demonstration was 27.5 q/ha at Cuddalore and minimum at Dindigul (8 q/ha). The cost of demonstration ranged from Rs.5195/ha to Rs.7230/ha.

III Sesamum

A. Karnataka

Forty five hectare demonstrations were conducted involving 112 farmers. The variety used in the demonstration was DSS-9 and DS-1. The average demonstration yield was 3.8 q/ha

against 2.8 q/ha local check showing increased yield of 35.7%. The highest average yield was achieved at Bidar (4.8 q/ha) followed by Tumkur (4.6 q/ha). The maximum yield was realised at Bidar (5.5 q/ha) and the minimum (2.3 q/ha) at Haveri. The cost of production ranged from Rs.3000/ha to Rs.5072/ha.

B. Tamil Nadu

Twenty hectare demonstrations were conducted involving 52 farmers. The variety used in the demonstration was VRI-2 and SVPR-1. The average yield realised in the demonstration was 5.9 q/ha against 4.8 q/ha local check exhibiting increased yield of 22.9%. The highest average yield was achieved at Cuddalore 7.5 (q/ha) followed by Erode (6 q/ha). The maximum yield realised at Cuddalore (8 q/ha) and the minimum at Coimbatore (4.3 q/ha). The cost of production ranging from Rs.3850/ha to Rs.4150.

IV Soybean

Karnataka

Eighty hectare demonstration was conducted in Karnataka involving 179 farmers both irrigated and rainfed situations.

Under irrigated situation 40 hectare demonstration was conducted involving 84 farmers. The variety/s used in the demonstration was JS-335 and JS-9305. The average demonstration yield was 26.8 q/ha against 24 q/ha local check showing increased yield of 11.7%. The highest average yield was 26.9 q/ha achieved at Belgaum. The maximum yield was realised at Belgaum (30.8) with variety JS-335 followed (30.3 q/ha) with variety JS-9305 in the same district. The cost of production ranged from Rs.10028/ha to Rs.10386.

Under rainfed situation, forty hectare demonstration was conducted involving 95 farmers. The varieties used in the demonstration were JS-335, DSB-1. The average demonstration yield was 18.7 q/ha against 14.6 q/ha local check exhibiting increased yield of 28%. The highest average yield was realised at Bidar 18.7 q/ha with variety DSB-1 followed by Haveri (18.6 q/ha) at Haveri. The maximum yield (22.5 q/ha) was realised at Bidar (DSB-1) and minimum yield 12.5 q/ha at Dharwad.

IV Castor

A. Karnataka

Five districts in Karnataka conducted castor demonstration in an area of 35 hectare involving 126 farmers. The varieties used in the demonstrations were GCH-4, DCH-32, Kranthi, Castor-48-1 and DCS-9. The average demonstration yield was 15 q/ha against 11.3 q/ha local

check exhibiting increased yield of 32.75. The highest average yield achieved at Kolar (28.9 q/ha). Maximum yield was realised at Kolar (30.2 q/ha) and minimum yield (8.1 q/ha) at Tumkur. The cost of production ranged from Rs.5328/ha to Rs.7950/ha.

B. Tamil Nadu

In rainfed situation 15 ha demonstrations were conducted involving 32 farmers. The variety/s used in the demonstration was GCH-4 and TMVCH-1. The average demonstration yield was 10.9 q/ha against 6.6 q/ha local check exhibiting increased yield of 65.2%. The highest demonstration yield was 19.6 q/ha at Salem. The maximum yield was realised at Salem (22 q/ha) and the minimum 5.8 q/ha at Dindigul. The cost of production ranged from Rs.4500/ha to Rs.5800/ha.

In irrigated situation 10 ha demonstration was conducted involving 25 farmers. The variety/hybrid used in the demonstration was TMVCH-1. The average demonstration yield was 10.3 q/ha against 8.5 q/ha local check showing increased yield of 21.3%. The maximum yield realised in the demonstration was 11.3 q/ha and the minimum of 9.2 q/ha. The cost of demonstration was Rs.4594/ha whereas the local check was Rs.4250/ha to Rs.5800.

Extension Activities

A total of 62 field days were conducted during the season involving 3196 farmers. During these demonstrations 4158 farmers were trained in 175 training programmes. Thirty two training programmes were conducted for 520 extension officials. Apart from 19 radio/TV programmes which provided publicity and mass awareness of results of FLD. Twenty seven conventions were held with 481 participants. Other extension activities like farmers meeting were 78 with 1391 farmers. One hundred and eighty one field visits with 1704 farmers, 37 farmers' scientists' interactions with 512 farmers.

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