

SUMMARY OF PULSES DEMONSTRATION - KHARIF 2006

REDGRAM

The demonstrations on redgram were conducted in Karnataka and Tamil Nadu states in an area of 135 hectares with 385 farmers both under rainfed and irrigated situations.

A. Karnataka

Under rainfed condition 120 hectares demonstrations were conducted involving 352 farmers. The average demonstration yield was 9.7 q/ha against 6.9 q/ha of local check exhibiting increased productivity of 40.6%. Varieties used in the demonstrations were BSMR-736, WRP-1, ICPL-87119, TTB-7, BRG-1 and BRG-2. The highest average yield was achieved at Bidar (18.4 q/ha) with variety BSMR-736 followed by BRG-1 (13.1 q/ha) at Hassan. The maximum yield was obtained at Mandya (22.1 q/ha) and the minimum at Kolar (3.4 q/ha). The low yields are due to severe moisture stress and pest and disease problems. The cost of production ranged from Rs. 2500 to Rs. 7000/ha.

Under irrigated situation, 10 hectare demonstrations were conducted at Bellary and Bijapur district involving 21 farmers. The varieties used in the demonstrations were ICPL-87119 and WRP-1. The average demonstration yield was 19.7 q/ha against 15.1 q/ha of local check showing increased productivity of 30.5%. The maximum yield realized out of demonstration was 24.0 q/ha with minimum yield of 12.8 q/ha. The cost of production was Rs. 5700/ha for demonstration and Rs.4880/ha for local check.

B. Tamil Nadu

In Tamil Nadu state, five hectare demonstrations were conducted under rainfed situation involving 12 farmers. The average demonstration yield was 11.3 q/ha against 8.2 q/ha of local check exhibiting an increased yield of 37.8%. The variety used in the demonstration was SA-1. The maximum yield realized in the demonstration was 12.1 q/ha and the minimum yield 10.6 q/ha. The cost of production in demonstration was Rs.4770/ha and in check plot Rs.3800/ha.

GREENGRAM

A. Karnataka

In Karnataka state, greengram demonstrations were in an area of 75 hectare involving 148 farmers. The average demonstration yield was 5.3q/ha against 4.0 q/ha of local check exhibiting increased yield of 32.5%. the highest average yield obtained (12.3 q/ha) was at Hassan with variety Chinamung, followed by Tumkur (6.7 q/ha) with variety S-4. The maximum yield of 9.5 q/ha was achieved at Hassan. The cost of production ranged from Rs.3377 to Rs.6380/ha.

B. Tamil Nadu

Thirty hectare demonstrations were conducted both under irrigated and rainfed situation involving 64 farmers.

Under rainfed situation, 15 hectare demonstrations were conducted involving 27 farmers. The average demonstration yield was 4.9 q/ha against 3.7 q/ha of local check showing an increased yield of 32.4%. The highest average yield obtained was Dindigul (5.7 q/ha) followed by 5.0 q/ha at Vellore. The maximum yield realized at Vellore (6.0 q/ha) and minimum at Krishnagiri (3.6 q/ha). The cost of production ranged from Rs. 3800 to Rs.6631/ha. The varieties used in these demonstrations was VRM (Gg-1), VBN-2 and KM-2.

Under irrigated situation 15 hectare demonstrations were conducted involving 37 farmers. The average demonstration yield was 7.9 q/ha against 5.8 q/ha of local check exhibiting increased yield of 36.2%. The highest average yield was obtained at Theni (10.2 q/ha) followed by 7.9 q/ha at Salem. The maximum yield realized out of demonstration was 10.7 q/ha and minimum 4.2 q/ha. The cost of production ranged from Rs. 4100 to Rs. 6500/ha. The varieties used in the demonstrations were VBN-2, Pusa bold and Co-6.

BLACKGRAM

A. Karnataka

Twenty hectare demonstrations were conducted under rainfed situation with variety TAU-1 involving 22 farmers. The average demonstration yield was 6.0 q/ha against 4.5 q/ha of local check showing increased productivity of 33.3%. The maximum yield obtained was 6.4 q/ha

and minimum 5.4 q/ha. The cost of production of demonstration was Rs.2176 and the check plot is Rs.1850/ha.

B. Tamil Nadu

In this state, blackgram demonstrations were conducted both under irrigated and rainfed situations. Totally 35 hectare demonstrations were conducted involving 93 farmers.

Under rainfed situation, 20 hectare demonstrations were conducted involving 52 farmers. Varieties used in the demonstration were VBN-2 and VBN-3. The average demonstration was 6.0 q/h against 5.0 q/ha of local check showing an yield increase of 20%. The maximum yield realized in the demonstration was 7.0 q/ha and the minimum 5.1 q/ha. The cost of production ranged from Rs.2900 to Rs.3100/ha.

Under irrigated situation 15 hectare demonstrations were conducted involving 41 farmers. The average demonstration yield was 8.9 q/ha against 5.8 q/ha of local check exhibiting increased productivity of 53.5%. The varieties used in the demonstrations were VBN-4 and T-9. The highest average yield was achieved at Erode (10.8 q/ha) followed by Cuddalore (8.8 q/ha). The maximum yield of 12.5 q/ha was also achieved at Erode and minimum at Trichy (6.1 q/ha). The cost of production ranged from Rs. 2460 to Rs.3800/ha.

EXTENSION ACTIVITIES

The summary of extension activities conducted in pulse crop demonstrations are given in Table 17. The crop-wise/centre-wise/state-wise details of extension activities are available in Table 18(A) to 18(E). Twenty three field days were conducted during the crop season by involving 1247 farmers. 1328 training programmes were organised with the participation of 2108 farmers. Twenty training programmes were organised for 391 extension officials. Fourteen conventions were held involving 205 farmers. Fourteen radio/TV programmes used to provide mass publicity to the results of FLD. Forty one farmers meetings were organised with 457 farmers. Eighty four field visits were made to farmers field with 753 farmers. Sixteen farmers-scientists interaction was arranged during the cropping season where in 479 farmers participated.

