

# **SUMMARY OF PULSES DEMONSTRATION - KHARIF 2005**

## **I. REDGRAM**

The demonstration on redgram was conducted in Karnataka and Tamil Nadu in 138 hectares with 368 farmers both under rainfed and irrigated situations.

### **A. Karnataka**

Under rainfed condition 105 hectares of demonstrations were conducted involving 277 farmers. The average demonstration yield was 11.6 q/ha against 8 q/ha local check exhibiting increased yield of 45%. The varieties used in the demonstrations were HYD-3C, BRG-2, WRP-1, ICPL-87119, TTB-7, BRG-1 and BSMR-736. The highest average yield obtained at Mysore 16.2 q/ha with variety BRG-1, followed by Mandya 15.1 q/ha with the same variety. The maximum yield 20.9 q/ha obtained at Mysore and the minimum at Gadag (4.5 q/ha). The cost of production ranged from Rs.3103 to Rs.10149/ha.

10 ha irrigated demonstrations were conducted at Bijapur and Bellary district involving 22 farmers. The varieties used in the demonstration were ICPL-87119. The average demonstration yield was 24.3 q/ha against 17.6 q/ha local check showing an increased yield of 38%. The maximum yield realized out of demonstration was 34.3 q/ha with a minimum 17 q/ha. The cost of production ranged from Rs.7100/ha to 13186/ha.

### **B. Tamil Nadu**

In Tamil Nadu stated, 23 hectare demonstration was conducted under rainfed situation involving 69 farmers. The average demonstration yield was 9 q/ha against 7.3 q/ha showing an increased yield of 23.3%. The variety/s used in the demonstration was APK-1, VBN-1 and SA-1. The highest demonstration yield was obtained at Tiruvannamalai 13 q/ha, followed by 10.9 q/ha at Theni. The maximum yield was obtained at Tiruvannamalai district with 14 q/ha. The cost of demonstration varied from Rs.3300/ha to 4500/ha.

## **II GREENGRAM**

### **A. Karnataka**

In Karnataka state greengram demonstration was conducted in an area of 55 hectare involving 112 farmers. The average demonstration yield was 8.3 q/ha against 5.8 q/ha local check exhibiting increased yield of 43.1%. The highest demonstration yield was achieved at Hassan district (13.8 q/ha)

followed by Bidar (11.3 q/ha). The maximum yield was achieved at Hassan (14.6 q/ha). The cost of production ranged from Rs.2094 to Rs.3700/ha.

#### **B. Tamil Nadu**

Forty five hectare demonstration was conducted both under irrigated and rainfed situation involving 143 farmers.

Under rainfed situation 40 hectare demonstration was conducted involving 131 farmers. The average demonstration yield was 7.4 q/ha against 5.4 q/ha local check exhibiting increased yield of 37%. The highest average yield was achieved at Pudukottai (9.9 q/ha) followed by Tiruvannamalai (8.4 q/ha). The maximum yield was realized at Pudukottai (10.9 q/ha). The cost of production ranged from Rs.4600 to Rs.5687/ha.

Under irrigated situation 5 hectare demonstration was conducted involving 12 farmers. The demonstration yield was 11 q/ha against 8 q/ha local check showing an increased yield of 37.5%. The maximum yield achieved was 11.8 q/ha. The cost of demonstration was Rs.4954 and of the local check was Rs.3816/ha.

### **III BLACKGRAM**

#### **A. Karnataka**

Ten hectare demonstration was conducted involving 20 farmers. The demonstrations were conducted under rainfed situation. The variety used in the demonstration was TAU-1. The average demonstration yield was 9.8 q/ha against 7.3 q/ha local check exhibiting increased yield of 34.3%. The highest average yield was achieved at Bidar (14.4 q/ha). The cost of production ranged from Rs.2100 to Rs.2854/ha.

#### **B. Tamil Nadu**

Blackgram demonstrations were conducted in the state both under irrigated and rainfed situations. Totally 40 hectare demonstration was conducted involving 104 farmers.

Under rainfed situation 30 hectare demonstration was conducted involving 80 farmers. The average demonstration yield was 8 q/ha against 6.3 q/ha local check, exhibiting increased yield of 27%. The highest average yield was achieved at Tiruvannamalai (11 q/ha) followed by 9.5 q/ha at Erode. The varieties used in the demonstration were VBN-3, VBN-4 TMV-2. The cost of production ranged from Rs.2625 to 3700/ha.

### **Extension Activities**

Thirty two field days were conducted during the crop season by involving 1754 farmers. One hundred and six training programmes were organized with the participation of 2132 farmers. Twenty five training programmes were organized for 545 extension officials. Twenty four conventions were held involving 414 farmers. Thirty three radio/TV programmes used to provide mass publicity to the results of FLD. Forty five farmers meetings were organized with 595 farmers. One hundred and thirty one field visits were made to farmers' field with 1003 farmers. Thirty eight farmers scientist interactions were arranged during the cropping season where 242 farmers participated.