

# **SUMMARY OF OILSEEDS DEMONSTRATION – RABI/SUMMER 2007-08**

The results of the demonstrations implemented in different crops are analysed centre-wise and presented for different farming situations i.e rainfed and irrigated.

## **I GROUNDNUT**

### **A. Karnataka**

Groundnut demonstrations were conducted in nineteen districts in the state during rabi/summer 2007-08 (Table 5). The varieties used in the demonstration were GPBD-4, DH-86, TMV-2, R-8808 and TAG-24. The demonstrations were conducted under rainfed and irrigated situations.

Under rainfed situation 3.5 hectare demonstration was conducted involving 10 farmers. The average demonstration yield was 10.6 q/ha against the local check 7.6 q/ha exhibiting increased yield of 39.5%. The maximum yield realised in the demonstration was 11 q/ha and the minimum of 6.9 q/ha. The cost of production in the demonstration was Rs.6435/ha and the cost of production of the local check was Rs.5600/ha.

Under irrigated situation 152 hectare demonstration was conducted involving 284 farmers. The average demonstration yield was 18.7 q/ha against 14.9 q/ha local check showing increase in yield of 25.5%. The highest average yield of 28.5 q/ha achieved at Haveri with variety DH-86 followed by 28.4 q/ha at Udupi with variety GPBD-4. maximum yield of 30 q/ha was achieved at Haveri and Shimoga. The cost of production ranging from Rs.6,750 to Rs.13,345/ha.

### **B. Tamil Nadu**

In Tamil Nadu state 160 hectare demonstrations were conducted involving 351 farmers both under rainfed and irrigated situation. The varieties used in the demonstrations were VRI-2, VRI-4, TMV-7, Kadiri-6 and GG-2.

Under rainfed situation 25 hectare demonstration was conducted involving 62 farmers. The average demonstration yield was 12.6 q/ha against 9.8 q/ha local check exhibiting increased yield of 28.6%. The highest average yield was achieved at Salem (16.8 q/ha)

followed by Trichy (12.5 q/ha). The maximum yield realised in the demonstration was 19 q/ha. The cost of production ranged from Rs.6550/ha to Rs.8700/ha.

Under irrigated situation 135 hectare demonstration was conducted involving 289 farmers. The average demonstration yield was 19 q/ha against 14.8 q/ha local check exhibiting increased yield of 28.4%. The highest average yield was achieved at Cuddalore (31.4 q/ha) followed by Thiruvallur (29.2 q/ha). The **maximum yield** was achieved at Cuddalore (34 q/ha) followed by Thiruvallur (30 q/ha), Nagapattinam (30 q/ha). The cost of production ranged from Rs.5100/ha to Rs.12800/ha.

## **II SUNFLOWER**

### **A. Karnataka**

Sunflower demonstrations were conducted in 16 districts of the state under irrigated and rainfed situations involving 226 farmers with covering 120 hectares.

Under rainfed situation 20 hectare demonstration was conducted involving 36 farmers. The variety/hybrids used in the demonstration were KBSH-44, KBSH-1. The average demonstration yield was 11.6 q/ha against 9.1 q/ha local check exhibiting increased yield of 27.5%. The highest average yield was achieved (14.4 q/ha) with hybrid KBSH-44. The maximum yield (18.8 q/ha) achieved at Chickmagalur with hybrid KBSH-44. The cost of production ranged from Rs.4800/ha to 4950/ha.

Under irrigated situation, 100 ha demonstration was conducted involving 190 farmers. The average demonstration yield was 16.2 q/ha against 13.2 q/ha local check exhibiting increased yield of 22.7%. The hybrids used in the demonstration were KBSH-41, SB-212, Kaveri-618, Singenta 275 and GK-2002. The highest average yield was achieved at Kolar (22.6 q/ha) followed by Mysore (20.1 q/ha) with hybrids KBSH-41. The maximum yield 23 q/ha achieved at Kolar followed by 22.1 q/ha at Mysore with hybrid KBSH-1. The cost of production ranged from Rs.4000/ha to Rs.8800/ha.

### **B. Tamil Nadu**

In Tamil Nadu 70 ha demonstration was conducted involving 159 farmers both under rainfed and irrigated situation.

Under rainfed situation 5 ha demonstration was conducted involving 12 farmers. The variety used in the demonstration was CO-4. The averaged demonstration yield was 9.5 q/ha against 5.7 q/ha local check exhibiting increased yield of 66.7%. The maximum yield realised in the demonstration was 9.8 q/ha. The cost of production of the demonstration was Rs.5500/ha and the local check Rs.4790/ha.

Under irrigated situation 65 ha demonstration was conducted involving 147 farmers. The hybrids/variety used in the demonstration were TCSH-1, Sun bright -275, Kaveri, CO-4, KBSH-44, Clara-VSFH-1006, Dhaanya-3389, CO-4, Arjun and Sunbred NK 275. The average demonstration yield was 17.3 q/ha against 13.4 q/ha local check exhibiting increased yield of 29.1%. The highest average yield was achieved (21.8 q/ha) at Coimbatore followed by Trichy (19 q/ha) with Sunbred NK 275 and TCSH-1 respectively. The maximum yield (23.4 q/ha) was achieved at Coimbatore with hybrid Sunbred NK 275.

### **III SEASAMUM**

#### **Tamil Nadu**

The demonstrations on sesamum were conducted in Tamil Nadu both under irrigated and rainfed situation. A total of 75 hectare demonstration were conducted involving 155 farmers. The varieties used in the demonstration were VRI-1, TMV-4, TMV-6, SVPR-1 and TMV-3.

Under rainfed situation 15 ha demonstration was conducted involving 35 farmers. The average demonstration yield was 6.0 q/ha against 4.0 q/ha local check showing increased yield of 50%. The highest average yield (8.7 q/ha) was achieved at Ramanathapuram followed by 5.2 q/ha at Tuticorin. The maximum yield (9.0 q/ha) achieved at Ramanathapuram with variety VRI-1.

### **IV SAFFLOWER**

#### **Karnataka**

Fifteen hectare demonstration was conducted involving 38 farmers. The variety used in the demonstration was A-1. The average demonstration yield was 7.5 q/ha against 6.2 q/ha

local check exhibiting increased yield of 21%. The maximum yield (10.2 q/ha) achieved at Chitradurga with variety A-1. The cost of production ranging from Rs.5500/ha to Rs.6050/ha.

## Extension Activities

The total number of field days conducted during the season was 81 involving 3741 farmers. A total of 4085 farmers were trained in 200 training programmes. Twenty four training programmes were organized extensively to train 328 extension officials. Apart from above, 27 TV/radio programmes and 41 conventions with 478 farmers were also organized. One thousand eight hundred and ninety six farmers attended 102 farmers meetings. One hundred and eighty seven field visits were organized to benefit 2097 farmers fields.