

**PACKAGE AND PRACTICES  
OF  
RAPESEED- MUSTARD**



**Krishi Vigyan Kendra  
ICAR Research Complex for N.E.H. Region, Monsang Pantha, Chandel  
Manipur**

Rapeseed and mustard, the major rabi oilseed crops of India. The oil content varies from 37 to 49 percent

### **Climate**

This is basically a temperate crop and requires a moderate temperature below 25-28°C with optimum of 20°C during the growth period. The crop requires higher temperature for the completion of vegetative phase and cool temperature and clear sky during the reproductive phase for better development of seed and oil.

### **Soil**

Grows well under wide range of soils, but thrive best on light loam soils with neutral PH.

### **Varieties**

Toria- M-27, Local- Yella

Mustard- pusa bold

### **Seed rate**

Mustard- 6 kg/ha or 1.5 kg/sangam

Toria- 8 kg/ha or 2 kg/sangam

### **Spacing**

Row to row – 30cm

Plant to plant- 10cm

### **Seed treatment**

Seed should be treated with Thiram or Captan @ 2.5g/kg of seed to control seed borne diseases.

### **Sowing time**

October to November.

### **Land preparation**

Ploughing the land 3-4 times followed by planking.

## **Manures and fertilizers**

Apply 10-15 t/ha or 2.5 to 3.8 t/ sangam of FYM at the time pf final land preparation.

Fertilizers @ N : P<sub>2</sub>O<sub>5</sub> : K<sub>2</sub>O – 60: 30: 30: kg/ha

	per Ha	per sangam
Urea	130 kg	33kg
DAP	188kg	47kg
MOP	50kg	13kg

Full dose of SSP and MOP and half quantity of urea should be applied as basal application. Top dress the remaining quantity of urea after 30 and 60 days after sowing in two equal split doses.

## **Intercultural operations**

Thinning of excess plants after 15-20 days of sowing and weeding within 20-25 days after sowing.

## **Irrigation**

Rapeseed and Mustard are usually raised as rainfed however if available irrigation be given at the interval of 30,55 and 75 days of sowing.

## **Plant protection measures**

White Rust- Mancozeb 2g/kg of seed for seed dressing and Dithane M-45 @ 2.5 g/litre of water Sprayed at 10 days interval.

Aphid- Spray Monochrotophose 36 WSE @ 0.04% (1ml/l of water) or Phosphomidon 85Ec @ 0.03% ( 0.4ml/l of water ) or Chloropyriphose 20 EC @ 0.03-0.05% (1.5-2.5ml/l of water)

## **Harvesting and Threshing**

Rapeseed and Mustard is harvested as soon as the pods turn yellowish brown. Threshing could be done with bullocks or by running a tractor over the dried plants. Moisture content of the seeds for storage must come down to 8%.

## **Potential yield**

With the use of improved package of practices 14-20 q/ha of rapeseed and 20-25q/ha of mustard can be obtained.

**Compiled and contributed by:**

**Khumlo Levish Chongloi**

**SMS (Agronomy)**

**&**

**G.P. Kabui**

**Programe coordinator**

**KVK Chandel**

**For further details please contact**

**Joint Director,**

**ICAR Research Complex for N.E.H. Region,**

**Lamphelpat, Manipur Centre.**