

# Monitoring Report

Seven teams comprising scientists from ICAR-DRMR and other AICRP-R&M Centres visited 30 centres across the five zones during February - March, 2020 to monitor the conduct of different coordinated trials, breeder seed production and front line demonstrations.

| Zone   | Team   | Centres   | Duration                      |
|--------|--|---|-------------------------------|
| I +II  | <b>Team Leader</b><br>Dr. Mahak Singh, Prof.& Head (PB), CSAU&T, Kanpur<br><b>Team Members</b><br>Dr. O.P. Premi, Pr. Scientist, Agronomy, ICAR-DRMR, Bharatpur<br>Dr. Pushp Sharma, Prof. Pl. Physiology, PAU, Ludhiana<br>Dr. (Ms) Gurpreet Kaur, Asstt. Pl. Breeder, PAU, Ludhiana  | Kangra<br>Dhaura kuan<br>Bajaura<br>Chatha<br>Ludhiana                | 01-07 March<br>2020           |
| II+III | <b>Team Leader</b><br>Dr. M.L. Jakhar. Professor, SKNAU, Jobner<br><b>Team Members</b><br>Dr. Bhagirath Ram, Pr. Scientist (GPB), ICAR-DRMR, Bharatpur<br>Dr. B.S.Mankotia, Professor, Agronomy, SAREC, Kangra<br>Dr. A.K. Tiwari, Professor, Pl. Pathology, GBPUA&T, Pantnagar<br>Dr. M.S.Khan, Professor, Entomology, GBPUA&T, Pantnagar | Modipuram<br>Pantnagar<br>New Dehli<br>Bharatpur<br>Karnal<br>Panipat | 17-19<br>February<br>2020     |
| II     | <b>Team Leader</b><br>Dr. M.K.Dillon, Pr. Scientist, (Ento.), IARI-New Delhi<br><b>Team Members</b><br>Dr.G.P.Gangwar, Plant Pathologist, SDAU, S.K.Nagar<br>Dr. H. K. Sharma, Scientist, (PB), ICAR-DRMR, Bharatpur<br>Dr. R. L. Choudhary, Agronomist, ICAR-DRMR, Bharatpur  | Hisar<br>Palwal<br>Gurugram<br>Mahendragarh<br>Bawal<br>SriGanganagar | 26-28<br>February<br>2020     |
| III    | <b>Team Leader</b><br>Dr. Pankaj Sharma, Pr. Scientist, Plant Pathology, ICAR-DRMR, Bharatpur<br><b>Team Members</b><br>Dr. H. S. Meena. Sr. Scientist, (PB), ICAR-DRMR, Bharatpur<br>Dr. Rajeev Bharat, Agronomist SKUAST-Jammu   | Kanpur<br>Varanasi<br>Morena<br>Banda<br>Jhansi                       | 24-28<br>February<br>2020     |
| IV     | <b>Team Leader</b><br>Dr. K.H.Singh, Pr. Scientist, Plant Breeding, ICAR-DRMR, Bharatpur<br><b>Team Members</b><br>Dr. Naveen Singh, Pr. Scientist, (PB) , IARI-New Delhi<br>Dr. J. C. Gupta, Scientist, Plant Pathology, ZARS, Morena<br>Dr. Harvir Singh, Scientist, Agronomy, ICAR-DRMR Bharatpur                                       | Jobner<br>Mandore<br>S.K.Nagar<br>Kota                                | 27Jan.-01<br>February<br>2020 |
| III+V  | <b>Team Leader</b><br>Dr. Virender Sardana, Principal agronomist, PAU, Ludhiana<br><b>Team Members</b><br>Dr. S. K. Rai, Breedar, SKAUST, Jammu<br>Dr. C.S.Choudhary, Plant Pathologist, RPCAU, TCA, Dholi<br>Dr. Sarwan Kumar, Entomologist, PAU, Ludhiana<br>Dr. Priyamedha, Scientist, (PB), ICAR-DRMR, Bharatpur                       | Shillongani<br>Kalyani<br>Dholi<br>Kanke                              | 27Feb.-03<br>March<br>2020    |

## **Centre wise salient observations**

### **Zone I**

#### **KNG, DLK, BJR**

All experiments were conducted as per technical programme at all three locations. Monitoring team observed that expression of the crop was good at all three centres.

### **Zone II**

#### **LDH**

Allotted trials of all disciplines were conducted as per technical programme. Team also interacted with farmers to know their opinion about new varieties. Farmers were satisfied with improved varieties.

#### **CHT**

All trials were conducted in systematic manner. The crop expression was good. Farmers were satisfied with improved varieties and component technology.

#### **NDH**

All the allotted trials very well conducted as per technical programme and expression of crop was excellent. Incidence of white rust, Alternaria blight and Sclerotinia was moderate.

#### **BAW**

All the assigned trials were nicely conducted. Low plant population was observed in IVT and AVT-I (Mustard)

#### **KAR**

All the allotted trials very well conducted as per technical programme and expression of crop was very good.

#### **MDG (Shaktivardhak)**

The trial was nicely conducted. Plant in border rows was not begged to record fertility/ sterility observation.

#### **PAL (Bayer)**

The trial was nicely conducted. Only one trial IHT (hybrid) was allotted.

#### **GUG (TIEARA)**

The trial was nicely conducted. Begging of border rows plants was not done to record fertility/ sterility observation.

#### **HSR**

All the trials allotted to the centre with respect to difference discipline were conducted excellently. Herbicide Isoproturon was not available; therefore, this treatment was not included in herbicide trial of Agronomy.

#### **SGN**

All the trials allotted to the centre were nicely conducted. Mites incidence of Bugrada was reported.

### **Zone III**

#### **PNT**

Trials were well executed and properly managed. WR, AB and SR were moderate. Segregation was observed in IVT (TSI) mustard entries MCN 19-5, MCN 19-6, MCN 19-21.

#### **BPR**

All the allotted trials very well conducted as per the technical programme and expression of crop was very good.

#### **MOR**

Overall all trials were conducted very well with proper guidelines. Crop expression was very good in all trials.

#### **BND**

Overall all trials were conducted as per guidelines. The scientists are dedicated in conduct of trials. There is good scope for mustard trials as well as popularization of good varieties of mustard.

#### **VAR**

All the experimental trials conducted very well as per guidelines. Intermittent rains favoured the spread of Alternaria blight on leaves as well as on pods. Farmers like very much both RH 749 and Giriraj varieties of Indian mustard.

#### **KPR**

All the trials conducted were laid properly as per guidelines. Early mustard and toria trials were harvested timely.

#### **JHS**

Experimental trials conducted as per guideline. Performance was satisfactory and in plant pathology 4.5 NDN for SR, no disease appearance after stem inoculation.

#### **DOL**

Due to intermittent rains throughout growing season, performance can be rated as average to good.

#### **KOT**

Well managed trials and performance was found satisfactory. Expression was good. Mustard trial AVT-I (TSI) had low plant population, hence rejected

### **ZONE IV**

#### **SKN**

Conduct of all the experiment was good and breeder seed plots were maintained properly.

#### **JOB**

Performance of trials was satisfactory and seed production programme was taken up, as per the technical programme.

#### **MDR**

Expression of the crop was above average and trial conducted was excellent. Team recommended to consider Mandore as a regular centre for AICRP-RM programme.

## **ZONE V**

### **KNK**

Altogether 3 diseases Alternaria blight, powdery mildew and white rust were observed. The incidence of staghead was in severe form in all trials.

### **SHL**

Demonstrations were sown in time and conducted as per the mandate. Whole package production technology of different raya and yellow sarson varieties was demonstrated. Due to intermittent rains throughout growing season, performance can be rated as average. *Orobanche* weed was observed in almost all fields. It is becoming serious problem in the region.

### **KLN**

Due to intermittent rains throughout growing season, performance can be rated as average. Incidence of Alternaria blight up to 90% was observed in almost all trials. Sclerotinia stem rot was also observed (about 5%)