

### **1. Title of Technology: Moisture stress mitigation in rapeseed mustard using Agrochemicals**

**Recommendation:** Foliar spray of 0.05% thio-urea spray twice at 50 % flowering stage followed by 50 % siliquae filing stage recorded an increase of about 45% and 11.38 % in seed yield of mustard over farmers and recommended practices.

**Name of the contact Scientist:** Dr. Rajeev Bharat, Junior Scientist, AICRP, Rapeseed and Mustard

### **2. Title of Experiment: Herbicide based weed management in Rapeseed Mustard**

**Recommendation:** Application of Oxyfluorfen @ 0.15 kg/ha recorded an increase of about 11-12 % in seed yield over farmers practice i.e. Two hand weeding given at 30 and 45 DAS and 5 - 6 % increase over recommended practice i.e. pre emergence application of Pendimethalin @ 1 kg/ha and can be recommended for control of mixed weed control in rapeseed –mustard.

**Name of the contact Scientist:** Dr. Rajeev Bharat, Junior Scientist, AICRP, Rapeseed and Mustard

### **3. Title of Technology: Weedy rice management strategies in basmati rice under subtropical irrigated conditions of Jammu**

**Recommendation:** Stale seed bed created with the application of glyphosate @ 1.5 kg/ha /paraquat @ 0.8 kg/ha increased the yield of basmati rice and hence recommended for control of weedy rice in transplanted rice

**Name of Scientist :** Dr. B.R. Bazaya, Senior Scientist, AICRP-Weed Management

### **4. Title of Technology: Nutrient management in maize+rajmash intercropping in sub-alpine conditions of Bhaderwah**

**Recommendation:** Intercropping with one row of maize followed by one row of rajmash along with fertilizer dose of 75 kg/ha urea, 68 kg/ha DAP and 25 kg/ha MOP and 3 t/ha FYM increased the maize equivalent yield of maize and hence recommended for the hilly tracts of Bhaderwah

**Name of the Scientist:** Dr. Manpreet Kour

### **5. Title of Technology: Weed management practices in wheat**

**Recommendation:** Application of pendimethalin 1 kg/ha as pre-emergence followed by application of sulfosulfuron + metsulfuron @ 30 g/ha + 2 g/ha or mesosulfuron + Iodosulfuron @ 12 + 2g/ha at 30 DAS as post-emergence recorded significantly highest grain yield which was statistically at par with post-emergence application of metribuzin @ 210 g/ha

**Name of the Scientist:** Dr. B.C.Sharma, Dr. Anil Kumar, Dr. Neetu Sharma & Dr. R.Puniya

### **6. Title of Technology: Broad-Leaf Weed management practices in wheat**

**Recommendation:** Application of carfentrazone @ 20g/ha or metsulfuron @ 4 g/ha or carfentrazone + metsulfuron @ 25g/ha at 30 DAS as post-emergence recorded significantly highest grain yield which was statistically at par with post-emergence application of metribuzin @ 210 g/ha

**Name of the Scientist:** Dr. B.R. Bazaya & Dr. R.Puniya