

## Activities Undertaken

### ❖ The Activities:

Mainly, the extension activities of demonstration, training, adoptive trial, khedut sammelans, publications and soil testing are carried out to educate the farmers regarding modern agricultural practices or technologies recommended by State Agricultural Universities.

#### 1. Demonstrations:

The organization of demonstrations facilitate the farmers to improve the knowledge and skills for increasing productivity and production, crop selection, and diversification, efficient use of water and the other subject to be focused.

“The research recommendations released by respective agricultural universities for the located Agro Climatic Zone and other technologies/ improved practices are demonstrated on station”. Considering the foremost requirement as decided in the review meetings to be held from time to time and the availability of resources, location specific demonstrations on respective farms are decided. At the same time same demonstrations are carried out on farmers’ field, at least five times in numbers, with the aim to facilitate the farmers while adopting improved practices in place of the age old practices.

#### 2. One day training:

Besides demonstration of selected technology / recommendation, farmers are provided with specific knowledge and skill on the same subject by organizing one day training programs. Two way approach is adopted by conducting trainings on station as well as on farmers field for the benefits of surrounding farmers.

### **3. Farmers day/ Field day/Khedut Shibir:**

In order to create mass awareness among the farmers regarding the strategic issues and specific requirements of the project besides the decided activities, various farmers program viz. farmers' day, field day, khedut shibir are organized. Such programs includes of exchange of ideas and views, interaction between farmers and scientists regarding problems pertain to agriculture and the exhibition on site. Farmers filed visit in groups with expertise to see each demonstration on station followed by common discussion about the aspects of all the demonstration is mandatory. Subsequently, interactive discussion and guidance by subject matter specialists are arranged.

### **4. Literature publications / disbursement:**

Different location specific literature say, scientific package of practices, irrigation scheduling, pest management etc. shall be prepared and distributed among the farmers to impart the knowledge about recently adopted technologies in agriculture. A hand out containing point-wise brief details such as those can be implemented shall be handed over. After seeing, understanding and self-convincing on spot, farmers can use his hand out while implementing by themselves.

### **5. Soil testing:**

The soil is a base for crop production. Providing soil testing service followed by facilitating the farmers in person about the use of test report/ health card is a crucial part of any extension program.

Adoption of agronomic practice with higher precision needs soil test reports. Present day mandate is to improve soil health for better productivity and production. In this activity soil samples are analyzed for nitrogen, phosphorus, potash, EC, pH, and other micronutrient to know about the deficiency and availability of nutrient. Based on analysis/ report, proper guidance are provided to the farmers for better production at least cost while maintenance of soil health.

## 6. Exhibition of successful innovations:

There are precedences of successful innovations/ improved practices followed by farmers. To educate the farmers about such successful innovations could be of great use.

Exhibition of successful innovations in agriculture like Amrut mitti, NADEP method of composting and Vermi-compost unit etc... were conducted at the farm. Using dung, urine, farm residues and other organic material and completely well decomposed organic matter can be produced. This may help in maintaining soil fertility and useful for sustainable agriculture.

## 7. Seed distributions:

Seed is the basic input of agriculture, local availability of quality seeds of the crop grown is an important backward linkage for success of irrigated agriculture in the command.

Feasible seed production and making the seeds available to the surrounding farmers is being taken care by the respective farms under their own programs.

## ❖ Summary and Justification:

Organization of demonstration is a main activity of this program wherein primarily the recommendations released by respective agricultural university with **aim of its lateral adoption by the farmers at relatively faster rate**. Demonstrations are carried out, simultaneously both on station as well as on farmers' field in multiple numbers. On research station, demonstrations of recommended/ improved technology is carried out with highest precision. The same demonstrations are taken in multiple numbers on farmers' field by facilitating the farmers in actual adoption. Along with this training is provided on the same aspect. Also, the farmers are provided exposure by organizing field visits to the successful existence of the same technology/practices in actual field condition. Focus is also made on the same aspects in the awareness creation program i.e. Farmers Day. Hence, the farmers are repeatedly guided and facilitated for the successful adoption of targeted recommended technologies/improved practices for better results.