

Cultivation of Hybrid Paddy in Valsad District under RKVY Scheme

In Valsad district, near about 70 % area of total cultivated area covered by Paddy crop during kharif season. Paddy cultivated as a main cereal crop in the district. Paddy is a mainly grown for food and fodder purpose, after fulfillment of such food and fodder requirement of the farmer it will be sold out in the market. The Paddy crop production in the district is comparatively low due to less use of certified/hybrid seed and other agro inputs, improper agricultural practices. The productivity of the Paddy crop in the district is not fulfill the requirement of the farmer or we can say not up to the mark hence, it is need to increase the average production per hectare in the district. It is only possible by improving cultivation practices including use of high yielding variety seeds and other agro inputs as per the scientific recommendations.

The farmers are need to motivate by providing high yielding hybrid paddy seed and other agro inputs on subsidy basis through the department of agriculture in the district. The implementation of such type of project is made possible with the help of Agri business centre working in the district. The beneficiaries are identified by extension staff of agriculture department and the Seed and other agro inputs are supplied by the Agri business centre as per the project sanctioned by government under RKVY scheme. The training and other extension activities done by Agri business centre with the help of technical support from department/kvk/university. The documentation of activities under the project is also done by Agri business centre.

The project "To increase the productivity of paddy by providing hybrid paddy seed and other agro inputs in Valsad district" shows good result as per our expectations. Farmers have welcome this project because they got quality hybrid seed and other material through agriculture department on subsidy basis and also get technical support by extension staff of the department for better paddy cultivation. The beneficiaries under this project is getting raise in yield of grain and fodder of paddy by 40 to 70 % and 30 to 50 % respectively and ultimately get more benefit from paddy cultivation.

❖ Farmer's Case study under this project is given as under

- A. Farmer Name: - Kirtibhai Kesurbhai Patel
- B. Village: - Dumlav
- C. Taluka:- Pardi
- D. District:- Valsad
- E. Farmer's contact number:- 98255 32641
- F. Input Detail for demonstration under RKVY Project
 1. Hybrid Paddy Seed:- 6 kg
 2. Organic fertilizer:- 250 kg
 3. Biofertilizer:- 3 Litre
 4. Pesticide (Phorate):- 5 kg
 5. Micronutrient:- 15 kg
 6. Weedicide:- 1 Litre
 7. Neem Oil:- 1 Litre
 8. Leptospyrosis kit (Gum boot):- 1 Set

G. Result of field demonstration:-

Sr.	Grain yield kg/ha		Straw yield/ha (No. of straw bundle)		Income in Rs./ha					
	Normal Practices	Demo. Under RKVY	Normal Practices	Demo. Under RKVY	Normal Practices			Demo. Under RKVY		
					Grain	Straw	Total	Grain	Straw	Total
1	3500	5800	7500	10500	42000	15000	57000	69600	21000	90600

The work under RKVY project helps to increase awareness among the farmers to use high yielding hybrid varieties along with improved package of practices for paddy cultivation. It helps in increase average yield per hectare in the district. The project creates more awareness for agricultural practices for good paddy yield. It increase knowledge and skill for paddy cultivation and also increases income of the farmers in the district.

