

### Success story for individual farmer: Pulses

**Crop:** Red gram

**Technology Module:** Varietal Evaluation

Improved Varieties	:	BDN-711
Seed Rate/ha	:	50 Kg
Seed Treatment	:	Seed treatment with thirum @3 gm per kg and Rhizobium @25 gm and PSB @25 gm per kg seed before sowing of seed
Sowing Time	:	15-30 June
Spacing	:	45 x 10 cm
Irrigation with stages	:	1. Sowing 2. Flowering 3. Pod filling 4. Maturity
Moisture Conservation Practices Followed	:	Sowing on Broad Bed Furrow method or Ridge and furrow. And used drip and flood method of irrigation for giving irrigation.
Fertilizer Application	:	Use FYM @ 10 tones/ha and fertilizer dose as per soil test report use RDF-50:75:00:20 Kg N,P,K,S /ha.
Insect/pest Management Practices	:	Observed pest <i>spodoptera</i> for that use IPM Practice and for management of rust disease in soybean used Mancozeb @ 25gm + Carbendazim @25 gm per 10 lit water and Propiconazol -@10ml /10 lit water
Weed Control	:	Used pre emergence herbicide Pendimethaline 1.0 kg a.i./ha in 500 lit water And one hand weeding after 30 to 45 days after sowing
Harvesting	:	By Hand and threshing with tractor operated thresher with 450 RPM
Existing Cropping Systems	:	Sugarcane – Wheat

- **Short title of the technological intervention-** Introduction of Red gram variety BDN-711 with integrated crop management.
- **Farming situation-** Rainfed medium soils.
- **Climatic vulnerability-** Observed low rainfall that is 226 mm during crop growth period and in the month of August observed 11 days dry spell which is affect the crop growth, so that protective irrigation is required and at the time of flowering continuous rain fall occurred, this was affected the pod setting and reduced the crop yield.
- **Problems identified-** Low yield and quality, Late maturity and shattering losses of old variety
- **Technological intervention in brief-**Demonstration of Red gram BDN-711 under rainfed condition.
- **Efforts made by KVK / methodology followed:** conduct demonstrations of Red gram variety BDN-711under CFLD pulses programme. Before that give training about cultivation of Red gram particularly IPM, INM and sowing methods. During growth period take observations and give suggestions to farmers about problems identified. Also conducted field day.
- **Output, outcome and impact of the intervention:** Total 50 demonstration was conducted over 20 hector area. Due to use of Red gran variety BDN-711 got average yield 30.4 quintal per hectare which is 77.70 % more that existing variety Vipula and getting Rs.130, 718 net benefit.



**Field day on Soybean Variety MACS-1188**





