

ICAR-KRISHI VIGYAN KENDRA, HANUMANAMATTI

Title of the Success Story: Integrated crop management in bengalgram

Background

Bengal gram is a major *Rabi* crop which is being cultivated on black soil in the district. However, bengalgram yield has been decreased drastically due to improper crop management in recent past. Looking in to these reasons KVK team of scientists has planned to conduct integrated crop management programme based on focused group discussion with farmers in different villages. Accordingly the front line demonstration on ICM in bengalgram has been conducted in different villages in different talukas of the district from last 2 to 3 years.

Intervention Process

The frontline demonstration on ICM in Bengalgram was carried out in different talukas by selecting the farmers from 2 to 3 villages in a cluster form. The selected farmers were trained about technology through on & off campus training, group discussion, Method demonstration etc.,

Interventions: Technology

The integrated crop management programme was implemented in farmers field with different interventions such as use of improved bengalgram variety GBM-2, use of *Trichoderma*, *Rhizobium* and PSB for seed treatment, Use of sorghum as sprinkle crop to facilitate birds for pod borer control naturally, Setting up of pheromone traps for monitoring the incidence of pod borer. Use of neem based insecticides against podborer at early stage, Need based application of profenophos @ 2 ml/L of water against podborer, *Helicoverpa armigera*.

Impact

Horizontal Spread

Adoption of ICM programme in bengalgram resulted better yield which in turn attracted many neighbouring farmers. As a result the technology has been spread to other villages due to adoption by many farmers. Presently, more than 250 farmers from nearby villages are practicing the technology in their field.

Economic gains

Adoption of ICM technology in bengalgram resulted 25-30 % more yield and higher economic returns compared to farmers practice

Employment Generation

More farmers have been realized that the cultivation of bengalgram under ICM is a profitable one. As a result more area comes under bengalgram which in turn paves way for employment opportunity for at least 80-100 persons from one hectare area in each cropping season.



Group meeting and Field visit



Training programme & Field day