

Blackgram VBN 8-A new farmers' choice variety among the pulse growers in Thiruvannamalai district

Situation analysis/Problem statement:

Blackgram is one among the major pulse crops cultivated in Thiruvannamalai district during Kharif and Rabi Seasons in an area of 34856 ha with an average productivity of 441 kg/ha. The productivity of the crop was very low due to less awareness towards high yielding varieties, non availability of quality seeds and non adoption of integrated crop management practices in blackgram. The average yield obtained by farmers was 5.6 qtl/ha which was 37.7 % lower than the potential yield. And the income of the farmers (Rs. 36400/ha) was not satisfactory.



Plan, Implementation of activities and Support:

To address these problems faced by the farmers the KVK Thiruvannamalai had implemented CFLD on blackgram in Sathuperipalayam, Pungampadi, Akilandapuram and Morappanthangal villages during Kharif and Rabi 2018-19. The scientists of KVK analyzed the problems of farmers through group meetings in the villages prior to the implementation of cluster Front Line Demonstration programme under National Food Security Mission. The KVK had selected 100 progressive farmers for implementing the cluster front line demonstration programme. The KVK has demonstrated the new high yielding disease resistant black gram variety VBN-8.



Soil application of bio fertilizer *Rhizobium* and *Phosphobacteria* 1 kg each, soil application of *Trichoderma viride* and *pseudomonas fluorescense* 2 kg each for control the root rot diseases and avoid plant population losses. Foliar application of TNAU pulse wonder (2kg/acres) during the peak flowering and pod formation stage for enhancing the yield and increase the quality and size of blackgram seeds. Demonstration of yellow sticky trap (5 nos/acre) for controlling the sucking pests in blackgram crop.



Foliar application of Nuclear Polyhedrosis virus (250 ml/acre) for the control of pod borer damage in black gram crop. All these technologies were demonstrated in an area of 100 ha in the said villages. The details of various activities implemented are detailed hereunder:

