

INM in hybrid Maize

Sri Kartik Mandal

Village: MV-8
Block-Malkangiri
Dist- Malkangiri.

Initial Status:

Maize is one of the predominant cereal crops in Malkangiri district in both Kharif and summer season covering an area of 8,100 hectare and productivity of 26.35 qtl/ha. MV-8 is one of the adopted village of KVK, Malkangiri located in Sadar block of Malkangiri. Most of the farmers of the village belong small and marginal category. Major cultivated crops of this village are rice, maize, groundnut, vegetables. In PRA survey one of the recognized problem in maize cultivation was low yield from open pollinated variety of maize due to improper nutrient management.

Sri Kartik Mandal aged about 30 years usually cultivates maize in both Kharif and summer season. But he was ignore about Integrated Nutrient Management practices in maize. Further he used to cultivate open pollinated variety of maize. These account for lower yield of maize from his field.

KVK – Intervention:

Taking this in to account KVK, Malkangiri conducted a Front Line Demonstration on Integrated Nutrient Management in Hybrid Maize P-30R77. Sri Kartik Mandal an innovative farmer of this village MV-8 came forward to cultivate this hybrid maize P-30R77 following nutrient management practices as prescribed by scientists of KVK, Malkangiri.

Innovative Extension Approach:

KVK, Malkangiri conducted a front line demonstration on integrated nutrient management in hybrid maize P-30R77 in its adopted village. Besides, training group meeting of farmers and regular field visit was mad by KVK, Malkangiri in this aspect.

Details of Technology:

Seed : Hybrid Maize P-30 R 77.
FYM : 10 tonnes per hectare.
Fertilizer :-120:60:60 Kg NPK/ha.

Adoption of technology and it's impact on farmer :

Sri Kartik Mandal an innovative farmer of the village MV-8 cultivated this hybrid maize P-30R77 in his own field during summer 2009. He got an yield of 1,08,000 Nos cobbs/ha. From demonstrated plot of hybrid maize as compared to 72,000 nos of cobbs/ha from local check with an additional yield of 36,000 Nos of cobbs/ha. He was able to earn a profit of Rs. 28,300 per ha in demonstrated plot as compared to Rs. 16,500 per ha in local check with an additional return of Rs. 11,800/ha.

Farmer's reaction and feed back

Sri Kartik Mandal was very much impressed and realized the higher yield of Hybrid maize P-30 R 77. Though the cost of Hybrid seed is more but he is interested to cultivate this hybrid owing to its more additional income.

Extent of diffusion effect of technology

There are an average yield of 1.8 nos of cobs per plant in hybrid P-30 R77 as compared to 1.2 no of cobs per plant in local check. This was realized by neighboring farmers of this village and also neighboring villages. They are also interested to grow this hybrid in next season.



Visit of Dr. R. K. Raj to Maize field of Sri Kartik Mandal, MV-8.



Sri Kartik Mandal , Village. MV-8 in his Maize field