

## SUCCESSFUL FARMER

### (GROUNDNUT CULTIVATION)

**1. Name of the Enterprise//Technology/Practice**-Groundnut cultivation

**2. Name & Address of the Farmer:-**           **Shri Ajay Mandal,**  
S/O-Jamini Mandal,  
At/Po.-MV-8,Block-Malkangiri,  
Dist.- Malkangiri.

**3.Initial status:-**

Groundnut is the major oilseed crop of the Malkangiri District covering the area about 0.61(, 000. hectare). The productivity of the district is 15.02 Qtl/Ha. The resume of low productivity is due to disease and pest incidence and lack of knowledge on improve cultivation practices.

MV-8, a village in Malkangiri block of Malkangiri District situated it a distance of 10 km away from District Head Quarter. There are 186 household & most of them are small farmers, having 2.5 acres of land each. They cultivate paddy, groundnut , sesamum, vegetables and pisciculture. The soil of the village is suitable for groundnut cultivation. 90% of the land covered under canal irrigation . Farmers of this village are not aware above the scientific crop management practices. In this area bud necrosis, collar rot, wilting of groundnut are major problems but farmers are ignorant about the recommended practices.

Ajay Mandal a farmer of village MV-8, having 2.5 acres of land cultivating paddy in 2 acres and 0.5 acres vegetables in Khariff and 2 acres groundnut in Rabi season. In the small piece of land he was unable to meet the requirement of his family due to low production. In groundnut he was getting low production due to lack of knowledge on INM practices and plant protection measures. He was in search of getting higher production by adopting the necessary management practices.

**4. KVK Intervention:**

Keeping in the view such problems of groundnut cultivation KVK organised 2 nos. of training programme on INM & IPM practices in groundnut in this villages. Ajay Mandal is an innovative farmer of this village who adopted the Agro Techniques for groundnut cultivation for first time in that villages. He was suggested to treat the seeds with Rhizobium culture and PSB culture before sowing, and application of Zypsum & micronutrients and the KVK scientist regularly touch with farmer and organize group meeting and field visit with one field day.

**5. Innovative Extension Approach:-**

KVK Malkangiri organised 2nos. of training programme about groundnut cultivation and provided technical extension literature to the farmers and also disseminate the same technology in other potential villages through K.S.Mela.

**6. Details of Technology:**

**a) Seed Treatment:** i-Treated the seeds with Thiophenate Methyl @2 gm /kg of seeds before sowing.

ii-Treated the Seeds with Rhizobium Culture & PSB @200gm/kg. each one days before sowing.

**b) Sowing-Line Sowing:**

**c) Manure & Fertilizer:-**

F.Y.M.-10 ton/hect.

N-20 kg/ha.

P-40kg/ha.

K-40kg/ha

Gypsum-125kg/ha

**d) Micronutrient application** - Ammonium molybedate 5kg/ha.

**e) Intercultural:**

Completion of hoeing, weeding 20 days after sowing.

**f) Disease & Pest Management:-**

Application of sixer (carbendazim+mancozeb) @2gm/lit. for wilting.

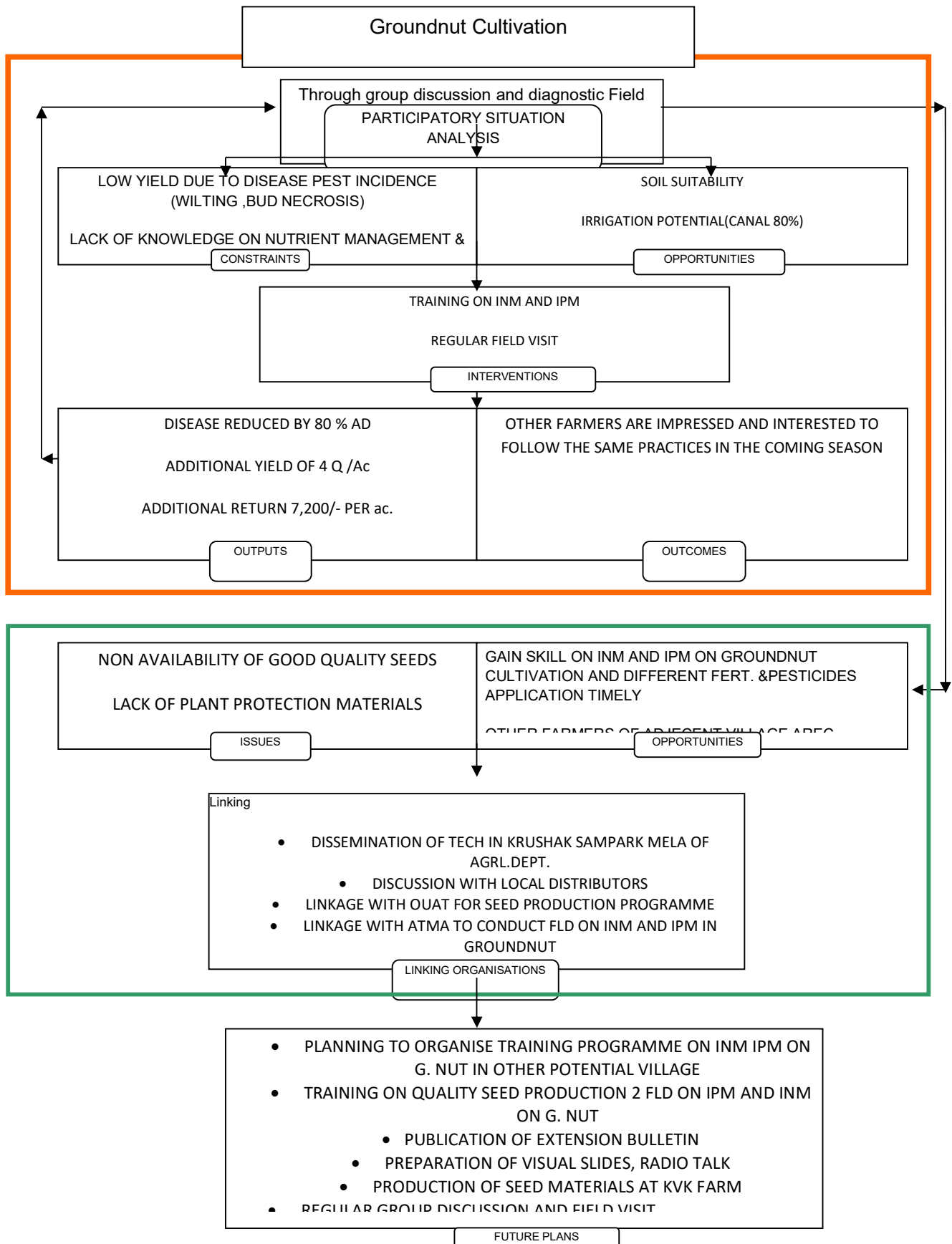
Application of Roko (Thiophenate Methyl @2gm/lit of water) for Tikka Disease

Application of Chlorodust for whitegrubs @20kg/ha. before sowing.

**7. Adoption of Technology & Benefit to the Farmers:-**

After organisation of the training programme, Ajay Mandal an innovative farmer of vilage MV-8 adopted above technology in his own field &7.5 Ac leased land. He also maintained regular touch with KVK scientist. The crop was sucessed and he got an additional yield of 4 quintal/acre, which is cost around Rs.7200/- per acre

## 8. Models of Technology Dissemination:



**9. Farmers' reaction and feed back.**

The other farmers are impressed with the cultivation technology of groundnut, seeing the yield of groundnut in the field of Ajaya Mandal, they are also interested to adopt the same technology in their own field in next cropping season. And the farmers are also demanded for the supply of quality seeds and plant protection materials .

**10. Extent of diffusion effects of the newly adopted technology**

Being inspired by the success of Ajaya Mandal the other farmers of the village and neighbouring village are interested to follow the same package of practices for groundnut cultivation in their own field.

**11. Follow up action :**

KVK, Malkangiri has planned to conduct 2 nos. of FLD in its adopted village for wider and proper dissemination of the technology on INM and IPM of the groundnut. It has also plan to organize training programme in other potential village regarding above technology. KVK has taken seed production of programme (**Foundation seeds**) at his own farm (5 ha.). It has also linkage with **ATMA, Malkangiri** to demonstration on INM and IPM in groundnut and raised this issue in district level strategic agrl. meeting to supply of quality seeds.



**Farmer Sri Ajaya Mandal of M.V-8 with KVK Scientists, D.A.O. and Horticulturist of Malkangiri during a field visit.**