



SOLAR FENCING IS BOON TO GROUNDNUT FARMERS

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Introduction

DAATTC, Mahabubnagar introduced solar fencing in Valya thanda of Boothpur mandal of Mahabubnagar district where Groundnut is an important crop in *Yasangi* season. In Mahabubnagar district the normal area of Groundnut is 10, 979 ha and it is one of the major crops best suited for Rabi which gives good yield with good management practices. Unfortunately, much of the expected yields are not realized because of wild boar's damage at the time of vegetative and harvesting stage.

Problem:

Wild boar was the major problem to the farmer since the animal damaged the pods that are ready to harvest causing huge financial loss to the farmer. Also, the animal damaged the roots of plant which affect the plant growth and yield. The problem of wild boars and monkeys cannot be so easily wished away. DAATTC, Scientists noticed that farmers suffer huge losses with wild boars.

Technology interventions - intervention details and economics involved:

DAATTC, Mahabubnagar scientists conducted awareness programme on wild boar management techniques in field crops in Valyathanda of Boothpur mandal on September 15th 2023 and installed solar

fencing in Mr. Kishan field. He cultivated groundnut crop in 10 acres. When wild boars came to farmer's field, they got shock from the solar fencing system and thus entering of wild boars into the farmer's field is prevented. Hence, the pods are harvested on time and the farmer is getting the expected income. Also, the animals are not injured by solar powered fencing system when compared to conventional type of fencing system. In conventional type of fencing the yield loss was noticed 10 to 40 % damage. The benefit cost ratio was 1.96 over conventional method i.e 1.55. Nearly 2-2.5 quintals yield was observed high in solar fencing field.

Impact of intervention:

- After installation of Solar powered fencing unit, entry of wild boars into the farmer's field is prevented and thereby the pods are harvested on time and the farmer is getting the expected income
- No wild boar menace noticed in solar fencing field. Cent percent yield was saved over farmers practice and extent of damage also reduced by wild boars.
- 30 farmers from adjacent villages visited his field and seen his protected land and inspired to install solar fencing in their fields.

Testimonial from farmer: The farmer claimed that if the animals came close to the fencing, they could sense a vibration that prevented them from going further and he was very much happy with technology

1. The special commissioner of Agriculture, Sri Ramesh, IAS officer visited his field and appreciated the farmer for adoption of good technology



Photographs

