

## RAWE- AC & RI, Killikulam Muthaiyapuram

### Success story

Mr. S. Mani is a farmer who is living at 142/8, Main road, Kuttampuli of Tuticorin taluk has gained a net income of Rs 23200/- from one acre of land by cultivating Black gram variety ADT 5. After the paddy cultivation, as per the recommendations of Extension agents he cultivated black gram with certified seed variety ADT 5. He was a beneficiary of the subsidy issued by the Tamil Nadu Department of Agriculture for ADT 5 variety at a subsidised rate of Rs 40/ kg of seed.

For the first time he sowed black gram seeds by treating the seeds with one packet of rhizobium and one packet phosphobacteria biofertilizer. He followed a spacing of 30 x 10cm. Thinning and gap filling was done on 10<sup>th</sup> day. On 30<sup>th</sup> day he applied 4.5kg (2%) DAP per acre as foliar spray with the help of hand sprayer. Second application of 2% DAP was done on 15days of first spray. According to him, flower shedding was reduced and number of pods per plant is increased due to the spraying. He observed that there was no pest and disease incidence in his field. Harvesting was done on 70<sup>th</sup> days after crop germination. The yield obtained by him was 400 kg from one acre.

Earlier by conventional practices he had obtained an yield of 100 to 150 kg from his one acre of land. Due to the efforts by the Department of Agriculture he has used certified seeds, practiced seed treatment with biofertilizer and applied 2% foliar spray with DAP. This has yielded him with an increase in yield upto 400 percent with a cost benefit ratio of 3.9.

1. Name of the farmer : Mr. S. Mani
2. Address : 142/8 Main road,  
Kuttampuli, Tuticorin
3. Cultivated crop : Black gram
4. Variety : ADT 5
5. Spacing : 30 x 10cm
6. Cultivated area : 1 acre
7. Technology followed : Seed treatment with bio fertilizer & 2% DAP foliar spray
8. Yield (kg/acre) : 400
9. Cost of cultivation : Rs. 8000/-
10. Total income : Rs. 31200/-
11. Net gain : Rs. 23200/-
12. BC ratio : 3.9

