

## Success Story 2 2016

### Title – Groundnut Cultivation

Sri Basanta Barik **S/o-Bhagirathi Barik, At- Patrapalli, Po- Nuagada, Block-Bhatli, Dist- Bargarh, Odisha, Age -60** is considered as a progressive farmer. His nine membered family consists of his wife, one daughter and two sons and their children. He is the owner of 10 acres of land in which he is cultivating paddy on 7 acres, vegetables like pumpkin & chilli on 2 acres and groundnut in one acre of land. At the age of 15 years he helped his father in rice cultivation. Gradually he showed interest in crop diversification like groundnut cultivation. During Kharif 2016, he was set up his mind for Kharif groundnut in more area under the guidance of KVK. After getting technical intervention from KVK scientist he selected three acres of upland area and cultivated it by using MB plough and Zyrogater thoroughly. The KVK supplied him shorter duration variety *TPG-41* instead of conventional variety AK 12-24 for its boldness, higher oil content, well resistance to collar rot disease with higher yield. For this he had used 50 kg of foundation seeds/acre @ Rs 86/kg & done seed treatment with *Vitavax Power* @ 2.5gm/kg of seed. He applied 10 carts of compost/acre with balanced dose of fertilisers & micronutrients like Boron & Sulphur. *Gypmite* was also supplied by KVK @ 50kg/acre and applied during time of hoeing and earthing up for better pod development. Timely irrigation with need based spraying of pesticide & insecticides was also done.

The KVK scientist visited his field regularly. He was suggested for application of post emergence herbicide *Imizathapyre* 7% SL @ 400 gm. /acre at 20 DAS, which controlled the weeds drastically. Spraying *Profenphos* 50EC @ 2ml/ltr was done at 40 DAS for control of *Spodoptra litura*. The crop was inspected at monthly interval and harvesting was done when the pods were fully matured with yellowish leaves. A produce was dried for 3-4 days and stored carefully. During the entire crop stage no serious disease and insect pest found in the field. Incidence of Collar rot disease and Tikka disease was very less. The yield obtained was higher than ever with more than 90% well filled pods. The produce was highly appreciated by the nearby villagers. The concerned farmer sold his entire produce 18 q. as seed for Rabi season.

#### **Outcome**

<b>Practice used</b>	<b>Total cost of cultivation</b>	<b>Gross income</b>	<b>Net income</b>	<b>Cost benefit ratio</b>	<b>% increase</b>
Line sowing, seed treatment with <i>Vitavax Power</i> @ 2.5gm / kg seed, application of <i>Gypmite</i> @ 1.25 qntl/ha	47200	85000	37800	1.8	42%

#### **Photographs**

