

Organic Farming for Sustainable Crop Production and Better Health

Intervention:

Under the RKVY funded project entitled “Organic Farming for Sustainable Crop Production and Better Health” various activities like research on organic crop production technology, liquid organic formulation production, certified organic crop production, organic production technology demonstration, etc. are taken up. Under this project one ha. Organic block has been certified through ROCA, Government of Rajasthan. Research on different organic crop production technologies has been done and these technologies are popularized through demonstrations, field day and trainings. Under this project we have demonstrate the organic production technology through 280 demonstrations in last four years and organized 8 trainings & field days to promote organic farming for Sustainable Crop Production and Better Health

Remarkable Profit:

Under this project an organic demonstration was allotted to a farmer namely Sh. Hanuman Lal s/o Sh. Bhairu Ram, village-Agarpura to grow an organic barley in 0.4 hectare and we provide 40 kg seed of barley, neem cake powder (30 kg), one plastic vermibed (for vermicompost preparation), one 100 ml bottle of organic fungicide (pinnata), 0.5 kg biopesticide (*Beauveria bassiana*) and training for preparation of different organic formulations.

A very good organic and disease free healthy barley crop was noticed on farmer’s field. Crop production activities were taken up in 0.8 hectare (0.4 ha (organic barley + 0.4 ha inorganic barley). For nutrient and insect pest management in organic barley, farmer prepare vermicompost, vermiwash, panchgavya, jeevamrit, matka khad, neem leaves extract, etc. on its own field without any additional cost. FYM and cow urine are locally available at farmer’s field which are also very important for nutrient management and input preparation. Whereas, for inorganic barley farmer purchase DAP and urea from market. Nearby farmers visit the farm and learn the organic production methods.

A field day was also organized at this farmer to promote organic production technology. In this field day more than 150 farmers were participated. Dean, SKN College of Agriculture and Head, Department of Agronomy were also visit the demonstration field and appreciate the farmer.

Comparison of organic and inorganic technologies at this farmer’s field:

Crop	Area	Yield of organic field	Yield of inorganic field	Difference
Barley	0.4 ha	23.4 q	20.8 q	2.6 q (11.11 % higher yield in organic field)

The operational expenditure for inorganic cultivation was Rs. 850 higher than the organic cultivation of barley. Whereas, the yield got from organic cultivation was 2.6 q higher from inorganic cultivation and net monetary benefit from organic cultivation of 0.4 hectare area was Rs. 6050/- over inorganic cultivation of barley.



Glimpses of Farmer’s field and field day

Additional Information: Sri Karan Narendra Agriculture University, Jobner
Email : director.research@sknau.ac.in