Crop and Variety: Bitter Gourd (Var. Phule Green Gold)

Title: Cluster Approach of Front Line Demonstration in Bitter Gourd During Summer for Mitigating Migration of Tribal Farmers of District

Situation Analysis / Problem Statement:
- After harvest of Rabi crops, during summer the beneficiary famer family migrate to nearby city or is engaged in other farmers field on daily wages.
- The surveys of tribal villages lead to search out the clusters having major migration during summer.
- After harvesting of Rabi crops the field are kept fallow even under situation of limited source of irrigation during summer.
- Rural youth having capacity to impart skill training also migrate to cities during summer moths keeping major land area fallows.
- Timely consultation of Scientist of KVK-Dhule gave the farmers confidence to cultivate the Bitter Gourd, which other-wise was neglected by the tribal families.
- Due to intervention of KVK-Dhule the NGO's working for tribal people also promoted Cucurbits cultivation in tribal area.

Plan, Implementation and Support:
- The survey of tribal villages by KVK was undertaken.
- The major focus points were areas with irrigation facilities and migration of families during summer.
- Planning front line demonstration on Bitter Gourd Cv.Phule Green Gold in areas having major migration.
- The beneficiary farmers were support with seed of Bitter Gourd.
- The training cum demonstration of layout of field, sowing, staking, plant protection measures were imparted as a part of package.
- Timely consultation of Scientist of KVK-Dhule gave the farmers confidence to cultivate the Bitter Gourd, which other-wise was neglected by the tribal families.
- Due to intervention of KVK-Dhule the NGO's working for tribal people also promoted Cucurbits cultivation in tribal area.

Output:
- Bitter Gourd "Phule Green Gold" variety fetched good price in market during summer. Farmers got Rs.2830/- per quintal market price.
- During summer the beneficiary famer family migrate to near by city or is engaged in other farmers field on daily wages. The skill imparted for cultivation of Bitter Gourd by KVK-Dhule scientist lead the family to remain engaged in his own field with good income during summer month.
- Timely consultation of Scientist of KVK-Dhule gave the farmers confidence to cultivate the Bitter Gourd, which other-wise was neglected by the tribal families.
- Due to intervention of KVK-Dhule the NGO's working for tribal people also promoted Cucurbits cultivation in tribal area.

Performance of Technology at Migrating famers Field					
Practice used	**Yield (q/ha)**	**Gross cost (Rs/ha)**	**Gross income (Rs/ha)**	**Net income (Rs/ha)**	**B:C ratio**
Demonstration	70.5	70447.9	216964.7	146516.0	3.1
% Increase	12.1%	--	--	30.8 %	--

Outcome:

- The significance of FLD of Bitter Gourd in migrating tribal village during summer lead to mitigation of migration demonstrated cluster.
- Out of 15 selected beneficiaries 7 families got engagement during summer at there own field.
- The positive result of engagement of families during summer lead to take up more demonstration by NGO's working in the area.
- Being a pioneering approach for mitigation migration the cultivation of trellies vegetable was focused as priority area by various organization.

Impact:
- Farmers in tribal area are cultivating cucurbits in summer on scarce irrigation resources in small scale. However, the income from Bitter Gourd was found to be remunerative compared to other cucurbits.
- Intervention of KVK by providing Bitter Gourd as good option has helped the farmer to meaningful engagement in summer season, which otherwise use to lead to migration to nearby cities.
- Due to timely consultation of KVK-Dhule Scientist we gain the confidence to cultivate the crop in near future also.

Success Story of FLD Bitter Gourd having potential to combat migration Published in Monthly Magazine "Bhusavradhan" October 2017

Photographs

Beneficiary Farmers of Bitter Gourd "Phule Green Gold" FLD

Timely Consultation through Field Visit to FLD Plot

Filed day of Bitter Gourd "Phule Green Gold" FLD