



Thematic Area : Horticulture Development Rejuvenation of old and senile mango orchard

Shri Rajesh Shah , Villge : Kanadu ,Ta.-Umargam, Dist.-Valsad (Gujarat) Pin :396140

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Profile	
Age	50 Years
Education	SSC
Crop grown	Mango 400 Trees (50 years old)
Recognition	1.KrishiRishi Award-2006 2.SardarPatel Award-2009

Mr. Rajesh Shah was bothered about lower production and increasing cost of cultivation from his orchard of 400 mango trees having the age more than 50 years. Once he decided to sell it out and purchase new land for new orchard. But after getting knowledge regarding rejuvenation technique, he make up his mind to continue with the mango business with the rejuvenation of old orchard.

In the first instance, he started this activity in September,2005 with pruning of 50 trees out of the 400 and later on he covered his whole orchard. Today, He is become a path setter for thousands of mango growers. Under his guidance many farmers have started canopy management of their old and senile orchard.

About Technology adopted by farmer :

First he assign numbers to each tree and then, identify the branches to be removed. He also identify the branches which are old, attacked by the pest/disease, bend from the trunk to lower side and covered with shadow of theadjustanttrees.Hemark the branches which are to be kept for future canopy development at approx. 5.5 to 6.0mtdistance above ground. He start heading back in July-August by using sharp cutter as sharp and slant cut is very important for further growth .He cut the branch from underside to avoid risk from bark splitting. After this ,he remove all the pruned wood from the orchard to avoid risk of pest infection from the garbage. After this practices he fertilize and irrigate each pruned tree as per recommendation.. He also adopt recommended practices for pest disease management..

Result :

He was so delighted when he show profuse emergence of new shoots on pruned branches. He observed that shoots emerge from the pruned trees are healthier and having more yield potential, starts bearing from the third year of pruning, easy to manage the operation, facilitates additional income from the intercrops. He also agreed that earlier he could harvest mango only from the side of the tree which get sunshine. Pruning of tree makes the orchard spacious and open with more sunlight. Thus, ensures increased photosynthetic efficiency, resulting into higher sustained production over long period.

