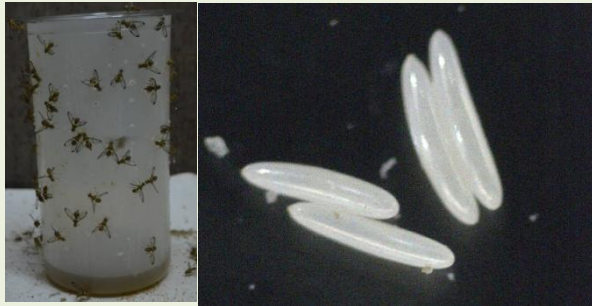


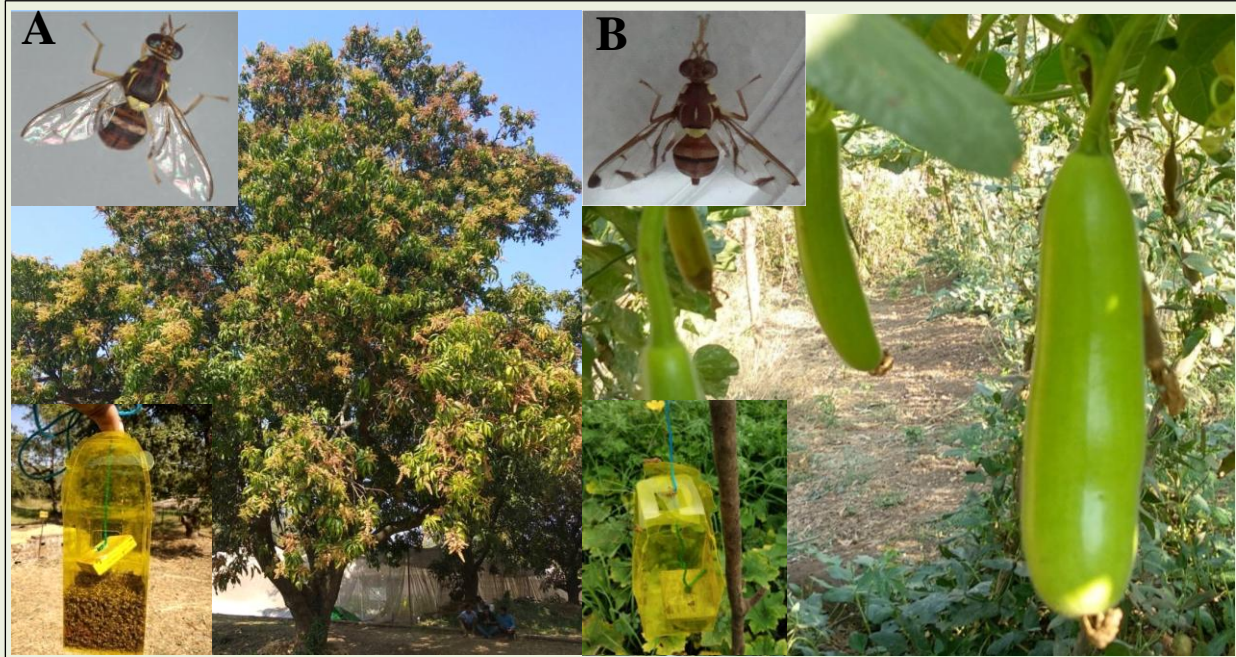
Development of Sterile Insect Technique (SIT) for Fruit fly Control



Eggs of fruit fly



Artificial diet and pupae



Oriental fruit fly on Mango

Melon fly on bottle gourd

- ❖ SIT for Oriental fruit fly, *Bactrocera dorsalis* (A) and Melon fly, *Zeugodacus cucurbitae* (B) have been developed.
- ❖ Mass rearing methods: Natural and artificial diets
- ❖ Optimum sterility doses for fruit fly species estimated.

Development of sterile insect technique (SIT) for agricultural insect pest control

- Sterile Insect Technique (SIT) for two fruit fly species (The Oriental fruit fly and Melon fly) have been developed.
- Bacterial endosymbionts associated with fruit fly and *Tuta* has been characterized using classical and molecular approaches.
- Attractant potential of insect gut bacteria for fruit fly control has been evaluated.
- 2 IAEA-CRPs on SIT and endosymbiotic bacteria of fruit fly and tomato leaf miner.