

RESEARCH PROJECT / SCHEME DETAILS

I. AICRP on Fruit (Banana, Sapota and Papaya) (B. H. 2014-5):

1. Collection, characterization, conservation, evaluation and utilization of germplasm of banana
2. Clonal selection in banana
3. Evaluation of the field performance of the macro-propagated plants of banana
4. Enhancing the input use efficiency in banana
5. Alleviation of soil moisture deficit stress in banana
6. Assessment of phenology, productivity and incidence of insect pests and diseases in banana grown under varying climate conditions
7. Validation of protocol for extending papaya seed viability in storage
8. Evaluation of Arka Microbial Consortium (AMC) for papaya
9. Net house cultivation of papaya
10. Collection, characterization, conservation, evaluation and utilization of sapota germplasm
11. Widening the genetic base in sapota
12. Evaluation of new hybrids of sapota
13. Spacing and canopy management in sapota
14. Rejuvenation of sapota at normal spacing cv. Kalipatti
15. Studies on residual and cumulative effect of nutrient in sapota cv. Kalipatti
16. Standardization of stage wise requirement of nutrients in sapota
17. Assessment of phenology, productivity and incidence of insect pests and diseases in sapota grown under varying climate conditions
18. Survey on emerging insect pests of banana
19. Survey and surveillance of emerging insect pests of sapota and their natural enemies
20. Assessment of losses due to seed borer in different varieties of sapota
21. Management of seed borer in sapota
22. Survey of emerging disease (s) of banana
23. Diagnosis of banana viruses in germplasm and planting material used in experiments
24. New and emerging disease (s) of papaya
25. Integrated management of papaya diseases

II. Research on Fruit Crops (B. H. 5014):

1. Varietal trial in sapota
2. Fertigation studies in sapota cv. Kalipatti
3. Effect of bio-fertilizer, growth regulator, and micro nutrients on fruit growth, yield and quality of sapota cv. Kalipatti

4. Varietal screening of sapota against bud borer and chiku moth
5. Monitoring of fruit fly population in sapota
6. Assessment of losses in sapota due to insect pests (Bud borer & Chiku moth)
7. Studies of population dynamics and natural enemies of sapota midrib folder, *Banisia myrsusalis elearalis* (Walker)
8. Assessment of yield losses due to pests and diseases in banana
9. Assessment of yield losses due to pests and diseases in papaya

III. Revolving Fund (B. H. 9510-N-12)

1. Propagation of Mango and *Khiranee* seedlings.
2. Production of Mango and sapota grafts.
3. Seedling production of other fruits crops and ornamentals plants.

IV. Tribal Sub-plan (B. H. 2075):

1. Demonstration of banana crop on farmers' field in tribal area of Dang and Valsad districts.

V. Mission for Integrated Development of Horticulture - MIDH

(B. H. 18930-7):

1. Seed Production of turmeric and black pepper.
