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 banana dwarf cavendish clones (AAA) (MLT-4)
4. Multilocation testing of new papaya selection (MLT-I)
5. Multilocation testing of new papaya hybrids (MLT-II)
6. Evaluation of new introduction of banana (MLT-5) (b) NRCB selection 14
7. Assessment of phenology, productivity and incidence of insect pests and diseases in banana grown under varying climate conditions
8. Grafting in papaya
9. Evaluation of Arka Microbial Consortium (AMC) for growth and yield of papaya
10. Widening the genetic base in sapota
11. Evaluation of new clones of sapota
12. Spacing and canopy management in sapota
13. Studies on residual and cumulative effect of nutrients in sapota
14. Pruning of sapota at normal spacing cv. Kalipatti
15. Assessment of phenology, productivity and incidence of insect pests and diseases in sapota grown under varying climate conditions
16. Survey on emerging insect pests of banana
17. Survey and surveillance of emerging insect pests of sapota and their natural enemies
18. Slow-release pheromone formulation for the management of fruit fly in sapota
19. Survey of emerging disease (s) of banana
20. Diagnosis of banana viruses in germplasm and planting material used in experiments
21. Evaluation of bioformulation against Fusarium wilt in banana (observational trial)
22. Artificial Intelligence (AI) powered decision support system development for leaf spot disease management in banana
23. New and emerging disease (s) of papaya

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

1. Validation of protocol for extending papaya seed viability in storage
2. Varietal trial in sapota
3. Fertigation studies in sapota cv. Kalipatti
4. Effect of different organic inputs in banana
5. Feasibility of banana germplasm for processing
6. Effect of different growing media on germination and growth of mango stone under net house condition
7. Effect of age of rootstock on success of approach grafting in Mango (Mangifera indica L.)
8. Studies of population dynamics and natural enemies of sapota midrib folder, *Banisia myrsusalis elearalis* (Walker)
9. Varietal performance of sapota against major insect pests under high density plantation
10. Evaluation of botanicals and biopesticides against thrips complex in banana
11. Evaluation of different modules against of major insect pests of sapota
12. Screening of germplasm against rhizome rot
13. New and emerging diseases in sapota

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 technologies on Scheduled Tribe (ST) 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 black pepper seedlings.

VI. Banana Biofortification project (B. H. 18225)

1. Level of expression of PVA and Iron.
2. Agronomic performance.

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