

FUTURE RESEARCH ACTIVITIES

Mr. A. R. Patel (Horticulture Trials)

1. Collection, characterization, conservation, evaluation and utilization of germplasm
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 climatic 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
15. Studies on residual and cumulative effect of nutrients in sapota
16. Standardization of stage wise requirement of nutrients in sapota cv. Kalipatti
17. Assessment of phenology, productivity and incidence of insect pests and diseases in sapota grown under varying climate conditions
18. Fertigation studies in sapota cv. Kalipatti
19. Varietal trial in sapota
20. Effect of bio-fertilizer, growth regulator, and micro nutrients on fruit growth, yield and quality of sapota cv. Kalipatti.

Dr. K. D. Bisane (Entomology Trials)

1. Survey on emerging insect pests of banana
2. Survey and surveillance of emerging insect pests of sapota and their natural enemies
3. Assessment of losses due to seed borer in different varieties of sapota
4. Management of seed borer in sapota
5. Varietal screening of sapota against bud borer
6. Weekly monitoring of fruit fly population in Sapota
7. Assessment of losses in sapota due to insect pests (Bud borer & Chiku moth)
8. Studies of population dynamics and natural enemies of sapota midrib folder *Banisia myrsusalis elearalis* (Walker)
9. Assessment of yield losses due to pests and diseases in papaya

Mr. B. M. Naik (Plant Pathology Trials)

1. Survey of emerging diseases of banana

2. Diagnosis of banana viruses in germplasm and planting material used in experiments
3. Assessment of yield losses due to pests and diseases in banana
4. New and emerging diseases of papaya
5. Integrated management of papaya diseases
