

FUTURE RESEARCH PROGRAMMES

Dr. A. P. Patel (Horticulture Trials)

Sr. No.	Trial	B.H.
1.	Collection, characterization, conservation, evaluation and utilization of banana germplasm	2014-5 (ICAR)
2.	MLT (VI) of Banana selections/Introduced hybrid (b) Anand Vaaman	2014-5 (ICAR)
3.	Assessment of phenology, productivity and incidence of insect pests and diseases in banana grown under varying climatic conditions	2014-5 (ICAR)
4.	Multi-location testing of new papaya hybrids (MLT-II)	2014-5 (ICAR)
5.	NPK transforming biofertilizer formulation for banana	2014-5 (ICAR)
6.	Spacing and canopy management in sapota	2014-5 (ICAR)
7.	Studies on residual and cumulative effect of nutrients in sapota	2014-5 (ICAR)
8.	Multilocation testing of sapota varieties (MLT)	2014-5 (ICAR)
9.	Multilocation testing of Kamalam (Dragon fruit) variety (MLT-1)	2014-5 (ICAR)
10.	Optimization of irrigation scheduling and fertilizer doses (N:P:K) in Kamalam (dragon fruit)	2014-5 (ICAR)
11.	Fertigation studies in sapota cv. Kalipatti	5014
12.	Feasibility of banana germplasm for processing	5014
13.	Canopy architecture of sapota orchard	5014

Dr. Arpitaben M. Patel (Horticulture Trials)

Sr. No.	Trial	B.H.
1.	Clonal selection in banana	2014-5 (ICAR)
2.	Evaluation of new introduction of banana (MLT-5) (b) NRCB selection 14	2014-5 (ICAR)
3.	MLT (VI) of Banana selections/Introduced hybrid (a) NRCB Selection 16	2014-5 (ICAR)
4.	Multi-location testing of new papaya selection (MLT-I)	2014-5 (ICAR)
5.	Grafting in papaya	2014-5 (ICAR)
6.	Widening the genetic base in sapota	2014-5 (ICAR)
7.	Evaluation of new hybrids of sapota	2014-5 (ICAR)
8.	Testing the Efficacy of micro-nutrient mixtures for better yield and quality of banana under different Agro-climatic conditions (Observational Trial)	2014-5 (ICAR)
9.	Sunburn mitigation in Kamalam (dragon fruit) through kaolin-based bio-stimulant spray technology	2014-5 (ICAR)

Dr. K. D. Bisane (Entomology Trials)

Sr. No.	Trial	B.H.
1.	Survey on new and emerging insect pests and plant parasitic nematodes with their natural enemies in banana	2014-5 (ICAR)
2.	Management of banana weevils with Novel insecticides	2014-5 (ICAR)
3.	Banana weevil killer (<i>Beauveria bassiana</i> NRCB EPF22) for management of banana weevils	2014-5 (ICAR)
4.	Arka mealy-melt technology for management of mealy bugs in papaya	2014-5 (ICAR)

5.	Survey and surveillance of emerging insect pests of sapota and their natural enemies	2014-5 (ICAR)
6.	Slow-release pheromone formulation for the management of fruit fly in sapota	5014
7.	Studies of population dynamics and natural enemies of sapota midrib folder, <i>Banisia myrsusalis elearalis</i> (Walker)	5014
8.	Evaluation of different modules against of major insect pests of sapota	5014

Dr. Shivangi S. Kansara (Plant Pathology Trials)

Sr. No.	Trial	B.H.
1.	Survey on disease dynamics in banana	2014-5 (ICAR)
2.	Diagnosis of banana viruses in germplasm and planting material used in experiments	2014-5 (ICAR)
3.	Artificial Intelligence (AI) powered decision support system development for leaf spot disease management in banana.	2014-5 (ICAR)
4.	Bio intensive management of Fusarium wilt disease in Banana	2014-5 (ICAR)
5.	Bio control management of Eumusae leaf spot in banana	2014-5 (ICAR)
6.	Evaluation of Banana selections for disease resistance (a) NRCB Selection 20 (Observational trial)	2014-5 (ICAR)
7.	Evaluation of Banana selections for disease resistance (b) Gujarat	2014-5 (ICAR)
8.	Survey on disease dynamics in papaya	2014-5 (ICAR)
9.	Screening of germplasm against rhizome rot	5014
10.	New and emerging diseases in sapota	5014
