Front Line Demonstrations 2019-2020 (On going)

- Demonstration of management protocol for enhancing income from paddy in other than kole lands
- Precision farming techniques & bunchcovering equipment for high quality bunches in banana
- Prophylactic management of rhizome weevil and pseudostem weevil in banana
- ICM practices in short duration turmeric variety IISR Pragati
- Wilt resistant tomato variety ‘Manuprabha’ with ICM
- Sampoorna-Secondary and Micronutrient Mixture for Banana
- Topical application of Ceylon oak (Schleichera oleosa) oil for ecto-parasite control and heal bite injuries
- Shade tolerant guinea grass ‘CO (GG) 3’ in densely planted coconut homesteads
- In-situ moisture conservation measures in coconut garden
- CPS level management of rhinoceros beetle in coconut using Metarrhizium anisopliae
- IISR Micronutrient Mixture in Black Pepper
- Management protocol for enhancing income from coconut

Front Line Demonstrations 2018-2019 (Completed)

- Precision farming techniques in open field vegetable cultivation
- Year round vegetable cultivation in homesteads under rain shelter
- Demonstration of wilt resistant tomato variety manuprabha with ICM
- Demonstration of ICM practices to drought resistant turmeric variety IISR pragathi
- Management of sigatoka leaf spot in banana
- Demonstration of IPM package for management of fruit fly in bittergourd
- Demonstration of high yielding short duration paddy variety Manuratna
- Demonstration of sampoorna micro nutrient mixture for banana
- Demonstration of IISR micro nutrient mixture in black pepper
- Demonstration of new strain of oyster mushroom “Arka OM1”
- Shade tolerant guinea grass CO(GG)3 in densely planted coconut homesteads.
- Ethno veterinary herbal medicine for prevention of mastitis in dairy cattle

Front Line Demonstrations 2017-2018 (completed)

- Short duration heat tolerant cowpea variety
- In-situ moisture conservation measures in coconut garden
- Management of wild boars using Boarep
- Demonstration Of Sampoorna Micro Nutrient Formulation In Rice
- Management of Amaranth leaf blight using cowdung slurry supernatant and P. fluorescens
- Community approach for management of coconut rhinoceros beetle using Metarhizium
- Demonstration of mosaic resistant cowpea variety Geethika in Malappuram district
• Demonstration of Onion Cultivation in Malappuram district with variety Arka Kalyan
• Demonstration of new strain of milky mushroom “Bheema
• Demonstration of Hybrid napier variety COS for intercropping in coconut plantations
• Anti stress medication to improve estrus manifestations in cows
• EDP programme on Value addition and product diversification in Grand Naine banana.
• EDP programme on Value addition and product diversification in Jack fruit

Front Line Demonstrations 2016-2017 (completed)

• Short duration green gram variety CO 8 for rice fallows
• Demonstration of High yielding Paddy variety ‘Shreyas’
• Demonstration of Good Agricultural Practices in Nendran banana in Malappuram district
• Portable vertical farming structure for vegetables with drip irrigation
• Wick irrigation for terrace cultivation of vegetables
• Cow dung slurry supernatant and Pseudomonas for the management of root diseases in cowpea
• Community approach for management of coconut rhinoceros beetle using Metarhizium
• Integrated management of Ganoderma wilt in coconut
• Demonstration of soil test based management strategy in coconut gardens
• Demonstration of scientific rearing of dual purpose quail in Malappuram District
• Ethnoveterinary herbal medicine for prevention of mastitis in dairy cattle
• Demonstration of new strain of Pleurotus florida (oyster mushroom)
• Value addition and product diversification in Nendran banana

Front Line Demonstrations 2015-2016 (completed)

• Short duration variety green gram CO 6
• Rice disease management using trichoderma
• Grafting against bacterial wilt of commercial solanaceous hybrids
• Semi trailing variety Swarna haritha
• Drip irrigation for homesteads
• Micronutrient formulation AYAR
• Pseudostem weevil management using beauveria
• Mineral mixture supplementation to reduce post parturient complications in goats
• Homestead mushroom spawn production in EDP mode
• Wonder climber for areacnut harvesting

Front Line Demonstrations 2014-2015 (completed)

• Weed management in transplanted rice using granular herbicide bensulfuron methyl + pretilachlor.
• Area wide management of red palm weevil using pheromone trap through Coconut Producers
Societies.
• Organic management of cowpea root rot using Pseudomonas.
• Demonstration of minor legume vegetables.
• Management of banana pseudostem weevil using chlorantraniliprole 0.4% G.
• EDP on value addition in seasonal fruits using fruit pulp concentrator.
• Demonstration of arecanut dehusker.
• Short duration tapioca variety Vellayani Hraswa.
• Demonstration of high yielding tomato variety ‘Manulakshmi’.
• Prophylactic area wide CPS level management of Bud Rot in Coconut by placing Mancozeb sachet.
• Anti stress medication in anoestrustr cattle.
• Management of wilt disease in cucurbits using Pseudomonas.
• Regular deworming in backyard poultry.
Front Line Demonstrations 2013-2014 (Completed)

- Jute threads impregnated with Ecodon for repelling wild boars during summer.
- Area wide management of red palm weevil using pheromone trap through Coconut Producers Societies.
- HY variety of cowpea “Vellayani Jyothika.
- Organic cultivation of amaranth variety ‘Renusree’.
- Management of rhizome rot in banana through prophylactic drenching with Pseudomonas.
- IIHR Vegetable Special for commercial cucurbit cultivation.
- High yielding Hybrid Napier Variety Supriya.
- Ivermectin therapy for improvement of growth and productivity in goats.
- Milky mushroom cultivation on banana sheath.
- Cultivation of Oyster mushroom on rubber wood saw dust.
- Modification of Dairy cattle ration incorporating household food wastes.

Front Line Demonstrations 2012-2013 (Completed)

- Stem borer and leaf roller management using chlorantraniliprole.
- Popularisation of Thilarani variety of sesame.
- Foot rot Management using Trichoderma in betelvine.
- Intercropping in coconut through mini sett planting of Amorphophallus var. Gajendra.
- Popularisation of Kashi kanchan variety of cowpea.
- Popularisation of Coleus variety Nidhi.
- CTCRI Cassava harvester.
- Hybrid Napier High yielding variety Supriya.
- Popularisation of milky mushroom cultivation on house terraces.
- High yielding oyster mushroom CO(OM) 2.
- Rearing of stingless honey bees.

Front Line Demonstrations 2011-2012 (Completed)

- Management of Baya weaver birds using metalized reflective ribbons.
- High yielding drought resistant upland variety ‘Vaisakh’.
- Mulching with silver black LDPE sheet.
- Popularization of carrot cultivation with Pseudomonas flurescens application against bacterial soft rot.
- Popularisation of terrace cultivation of vegetables with Phosphobacter and Azospirillum.
- Leaf axil filling of banana with crushed neem cake for the management of pseudostem weevil in banana.
- Yeast feeding for weight gain in goats.
- Organic methods for pest control in mushrooms.

Front Line Demonstrations 2010-2011 (Completed)

- Small fruited pumpkin variety Arka suryamuki.
- High yielding variety hot pepper vellayani athulya.
- Production of mechanized white pepper.
- Cost effective micro sprinkler developed by an innovative farmer.
- Management of stem bleeding in coconut.
- Bypass fat and mineral mixture for high yielding cattle.
- Controlled breeding in goats.
- Banana clump remover.
• Rotary tiller for cost effective inter-culture operation of garden land

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