



Adhiparasakthi Horticultural College Students concerning to 2019 Batch Accomplished Various Demonstrations in the Farmers Field at Gudiyatham Block

(Gunaal Sathyanarayanan, Guru Prasad Manickam, Guru Prasath Rajendran, Hariharan Subramaniam, Harish Arumugam, Helal Humayun, Jayaganesh Arjunan and *Sarankumar Chandran)

Adhiparasakthi Horticultural College, Kalavai, Ranipet, Tamil Nadu, India

*Corresponding Author's email: saran32388@gmail.com

Abstract

Rural Horticultural Work Experience (RHWE) is a course offered to the undergraduate students to get associated with the farmers community and to understand the agricultural / Horticultural conditions in the rural areas. In this programme students performs some demonstrations related to the farm practices. Here we have performed five demonstration viz., Fusarium wilt control measure in banana, Pseudostem weevil control measure in banana, Rhinoceros beetle control on coconut, Red palm weevil, Eriophyid mite, and Black headed caterpillar in coconut, and Control measure on button sheading in coconut. This supports the farmers to gain a good knowledge about farm practices using low cost investment.

Key words: RHWE, Demonstration, Farmers field, Gudiyatham.

Demonstration on Fusarium Wilt Control measures in Banana

Materials Required

- Carbendazim
- Water
- Injection
- Container for mixing the solutions

Procedure

- Mix 2g carbendazim in 100 ml water in a container.
- Dig the soil near the corm region of the banana tree.
- Take the solution in an injector.
- Inject the 3ml mixed solution in the corm region slantingly in 45 degree angle, the depth of the hole should be 40 percentage in the diameter of the tree.
- Apply clay slurry in the surface of the injected region to prevent from spilling of solution.
- This treatment should be given before 45 days of harvest to prevent from residual effect.
- Recommended dosage should only be given to avoid poisoning.
- This treatment should be carried out above 5 months old tree.



Demonstration on Pseudostem weevil control measures in banana

Materials required

- Monocrotophos 36 SL
- Water
- Injection
- Container for mixing the solutions

Procedure

- ✓ Mix 5 ml monocrotophos and 5 ml water in a container.
- ✓ Take the solution in an injector
- ✓ Inject 2ml solution in 45 degree slant in the pseudostem 2feet above from the ground level. Then opposite to it 5feet above from the ground level inject another 2ml solution in the pseudostem.
- ✓ Apply clay slurry in the surface of the injected region to prevent from spilling of solution.
- ✓ The depth of the hole should be 40 percentage in the diameter of the tree.
- ✓ This treatment should be given before 45 days of harvest to prevent from residual effect.
- ✓ Recommended dosage should only be given to avoid poisoning.
- ✓ This treatment should be carried out in above 5 months old tree



Demonstration on Control of rhinoceros beetle in coconut tree using bucket trap

Materials Required

- Bucket trap
- Rhino lure
- Water
- Soap oil

Procedure

- Place the traps in the field just after planting.
- The traps should be strongly tied, should not be shaken.
- Add 1L of water inside the trap.
- Add few drops of soap oil after adding 1L of water into the trap.
- Unwrap the pheromone lure and fix it under the lid of the bucket trap.
- Now, the male beetles will be trapped inside the trap by the pheromone lure kept.
- Three traps can be fixed per hectare in the field.



Demonstration on control of Red palm weevil, Eriophyid mite and Black headed caterpillar in Coconut

Materials Required

- Monocrotophos 36% SL
- Water
- Thread
- Polythene cover
- Cutter

Procedure

- Mix the monocrotophos and water in 1:1 ratio.
- Dig the land near the coconut tree of distance 1.5 – 2 ft and reach for active root of coconut tree.
- Give a slant cut to the root which appears like yellowish in colour.
- Pour the chemical mixture in the polythene cover.
- Tie the polythene cover which contains the chemical mixture as the root dipped in the chemical mixture.
- It should be done after the harvest of the coconut crop.
- Leave it for one day and observe the result as the root intakes the chemical mixture.



Demonstration on control of button shedding in coconut

Materials Required

- TNAU Coconut tonic
- Water
- Polythene cover
- Thread and cutter

Procedure

- Pour the 200ml of TNAU coconut tonic solution into the polythene cover.
- Dig the land near the coconut tree of distance 1.5 – 2 ft and reach the root of coconut tree.
- Give a slant cut to the root which appears like yellowish in colour.
- Tie the polythene cover which contains the coconut tonic solution as the root dipped in the solution.
- It should be done for 6 months interval.
- Leave it for one or two days and observe the result as the root intakes the chemical mixture

