

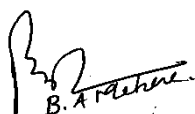
Dr. Ambedkar College, Deekshabhoomi, Nagpur

Notice

Date-07-09-2021

Social outreach cell, Dr. Ambedkar College, Deekshabhoomi, Nagpur is conducting an Agricultural extension activity with the students of Department of Biochemistry and Biotechnology to train farmers of different villages for using pheromones. A team of 14 students will be involved in this activity in the month of September and December.

Date-07-09-2021



Principal of the college

Dr. B. A. Mehere



Cell-coordinator

Mrs. Shweta Paranjape

A Report

On

Agricultural Extension activity

Social Outreach Cell, Dr. Ambedkar College, Deekshabhoomi, Nagpur

Insect pheromones are essential components of monitoring and management tools targeting pests of agricultural crops. Mating disruption, mass trapping, attract-and-kill, and push-pull are some of the direct pest control strategies that depend on the use of pheromones. Pheromones are chemicals used by insects and other animals to communicate with each other. Insects send these chemical signals to help attract mates, warn others of predators, or find food. Using specific pheromones, traps can be used to monitor target pests in agriculture or in residential areas. By constantly monitoring for insects, it may be possible to detect an infestation before it occurs. Early detection of pest insects using pheromone traps can also lessen damage to agriculture and other plants.

The increased demand of agricultural products has necessitated the utilization and adoption of advanced technologies in agricultural pheromones to improve in yields and profit. Combination of behavioural manipulation pheromones combined with the good pheromone dispenser helps achieve high performance. The use of pheromones are the eco-friendly and organic approach to eradicate pests successfully and contributes towards market and agricultural growth.

In order to make farmers aware of using pheromone traps and the usage of pheromones around team of 14 students of Department of Biochemistry and Biotechnology of Dr. Ambedkar College, Deekshabhoomi, Nagpur under the aegis of Social Outreach Cell manufactured pheromones in the laboratory and went in different villages to give trainings to the farmers, installation of pheromones traps in the agricultural fields of Satnavri, Akewada and Kondhali in the month of September and December. The students regularly visits and promotes the usage of pheromones in the villages and also trains the farmers in the village so that they might be able to do organic farming and should make less use of pesticides and can eradicate pest in a natural way.



Glimpses of the Extension activity by Social Outreach Cell

