**ACTIVITY LOG FOR FOURTH WEEK**

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| **DAY**  **& DATE** | **BRIEF DESCRIPTION OF THE DAILY ACTIVITY** | **LEARNING OUTCOME** | **Person In-charge Signature** |
| Day-1 | What is Drip irrigation? | Drip irrigation, also known as trickle irrigation or micro-irrigation, is a **precision water delivery system** designed to save water and nutrients. |  |
| Day-2 | How does Drip irrigation work? | It works based on few categories:  >Tubing and emitters  >Efficient water use  >Crop types  >Water source |  |
| Day-3 | What are the advantages of using Drip irrigation? | ✧Increased plant health  ✧Money savings  ✧Energy savings  ✧Water conservation and efficiency |  |
| Day-4 | What are the disadvantages of Drip irrigation? | >Direct sunlight reduces lifespan of tubes.  >Affects soil fertility  >Root growth restriction  >Improper filtration may cause clogging |  |
| Day-5 | Types of Drip irrigation? | ✧Point source emitter system  ✧Inline drip system  ✧Subsurface drip system  ✧Drip tape system  ✧Micro-sprinkler system |  |
| Day-6 | What types of crops are best suited for Drip irrigation? | >Vegetables: Tomato, Onion, Bitter gourd  >Cash crops: Sugar cane, Cotton  >Orchard crops: Grapes, Banana, pomegranate, Citrus |  |

WEEKLY REPORT

Week-4 (From dt: 03-06-2024 to dt: 08-06-2024)

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| **Objective of the Activity Done: Utilization of electricity to farmers and related issues***.* |
| **Detailed Report:** |
| On day-1:   * On the day of our survey, we got to know an irrigation method called ‘Drip irrigation’. * We prepared survey questionnaire, and initial questions on drip irrigation. |
| On day-2:   * We learnt how drip irrigation works. It works based on many categories. * Some are tubing and emitters, water source, crop types. * In this method, water is supplied directly through roots. |
| On day-3:   * After knowing all these, we surveyed abut its advantages. * Like- Energy savings, increased plant health, money savings. |
| On day-4:   * All can’t be good, so we surveyed also about its disadvantages. * It reduces life span of tube due to direct sunlight, sometimes water may not be distributed evenly to crops. |
| On day-5:   * Drip irrigation includes in different types for different crops and farming practices. * Micro sprinkler for large areas, Inline drip for row crops and gardens, subsurface drip for crops that grow under surface. |
| On day-6:   * At last we are interested in knowing which crops are growing under this system. * They are vegetables like tomato, onion. Cash crops like sugarcane, cotton and more like grapes, banana, etc. |



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