**ACTIVITY LOG FOR FIFTH WEEK**

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| **DAY**  **& DATE** | **BRIEF DESCRIPTION OF THE DAILY ACTIVITY** | **LEARNING OUTCOME** | **Person In-charge Signature** |
| Day-1 | Introduction to Sprinkle irrigation | An **i**rrigation sprinkler (also known as a water sprinkler or simply a sprinkler) is a device used to irrigate (water) agricultural crops, lawns, landscapes, golf courses, and other areas. |  |
| Day-2 | Types of Sprinkle irrigation | >Portable sprinkler irrigation  >Solid set and permanent sprinkler irrigation  >Side roll sprinkler irrigation  >Wheel line sprinkler irrigation |  |
| Day-3 | What are the advantages of using Sprinkle irrigation? | - Less infestation of pests and  Diseases.  -Reduced water usage and labor costs.  -Increase in crop yields and healthy growth of crops. |  |
| Day-4 | What are the disadvantages of Sprinkle irrigation? | >High operating cost  >Water will drift when there is a lot of wind  >A stable water supply is needed  >Saline water may cause problem |  |
| Day-5 | What types of crops are best suited for Sprinkle irrigation? | >Vegetables such as potatoes, corn, soyabeans  >Grains such as wheat, oats  >Fruits such as grapes, citrus fruits, stone fruits |  |
| Day-6 | How much time they use electricity for Sprinkle irrigation? | On average, a sprinkler system uses around **1,200 watts per hour.** |  |

WEEKLY REPORT

Week-5 (From dt: 10-06-2024 to dt: 15-06-2024)

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| **Objective of the Activity Done: Utilization of free electricity to farmers and related issues***.* |
| **Detailed Report:** |
| On day-1:   * On this day of our survey, we also observed another type of irrigation method called “Sprinkle irrigation”. * It is a water sprinkler device used to irrigate landscapes, crops through pipes and sprinklers. * Water is pumped through the pipes and distributed by the sprinklers over the irrigation area. |
| On day-2:   * We surveyed about the types of sprinkle irrigation used in different conditions. * Centre pivot for large scale agriculture, micro sprinkler for small areas, and lateral pivot for rectangular areas. |
| On day-3:   * The advantages we came to know are water is uniformly distributed, flexibility in soil, and saves more time and labour cost. * Due to these advantages in further this system may increase more and reduce manual working. |
| On day-4:   * Including advantages also there are disadvantages using this system. * There is water loss, high cost for installation and maintenance, and large energy consumption is required. |
| On day-5:   * We observed the crops grown under this system and started surveying about the crops grown. * They grow cereals like wheat, vegetables like carrots, and others. |
| On day-6:   * At last we asked them about how much electricity is used for this system. * Based on the size of the area the usage of electricity is required. * On average it consumes 1200 watts per hour and it runs averagely 30-60 min per zone. |



