

**WHY DO LEAVES FALL IN  
AUTUMN?**



# **LIGHT DURATION**

- **THE RELATIVE LENGTH AT DAY AND NIGHT ARE CALLED AS PHOTOPERIOD.**
- **THE RESPONSE OF PLANTS TO THE PHOTOPERIOD EXPRESSED TO THE FORM OF FLOWERING IS CALLED AS **PHOTOPERIODISM**. PHOTOPERIODISM ALSO AFFECTS SEED AND FRUIT PRODUCTION.**

**ACCORDING TO THE DURATION OF LIGHT  
PLANTS CAN BE CATEGORIZED INTO THREE  
GROUPS:**

- **SHORT DAY PLANTS**
- **LONG DAY PLANTS**
- **DAY NEUTRAL PLANTS**

# SHORT DAY PLANTS

- **EXAMPLES: CHRYSANTHEMUMS, RICE, CACTUS.**

# LONG DAY PLANTS

- **EXAMPLE: DILL, SPINACH, CARNAUONS.**



# DAY NEUTRAL PLANTS

- **EXAMPLE: TOMATOES, SUNFLOWER, PEA PLANTS.**