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WEATHER

Weather is a state or condition at atmosphere at a given place and at a given time. It is daily variation or condition at lower layer at the atmosphere weather pertains to smaller are c like village, city or even a district, smaller duration time, i.e., part at a day or complete day and is expressed by numerical values at Meteorology parameter, some & are hot day, rainy day, cloudy weather dry weather et.

Climate is weather condition related to larger areas like zone, state, country, part at continent or whole at continent, longer duration at time like month season or year and best described by the normal's and averages e.g. cold season tropical climate.

<u>CLIMATE AND WEATHER</u> :- The process of exchange of heat and moisture between earth and atmosphere over a long period of time (month, season, year) related to large areas (zone, state, country, continent) results in conditions what we call climate. It is aggregate of atmospheric conditions involving heat, moisture and air movement. In other words, the totality of weather over a large area is known as climate. It is expressed as marine, continental, arid, semiarid, humid or desert climate.

Pertains to the atmosphere over a
given region.
Refers to a large region and for a
long period of time.
It is more or less stable and
differs from region to region.
Weather (current atmospheric
conditions)

Choice of farming systems and	Timing of land preparation,
crops.	planting date, plant protection.
Choice of ideal cultivars.	Choice of alternate cultivars.
Choice of farm equipment.	Choice of equipment for day-to-
	day needs.
Drought proneness of the region.	Contingent drought
	management.
Choice of irrigation.	Timing and amount of water
	needed.
Likelihood of pests/diseases.	Timing of pests/diseases control
	measures.
Indication of harvest time.	Actual date of harvest.

Weather is the day-to-day state of atmosphere and pertains to short term changes in conditions of heat, moisture and air movement. Weather results from processes that attempt to equalize the differences in the distribution of net radiant energy from sun. in other words, the instantaneous state of atmosphere can be called as weather. It is usually expressed as fine, fair, foggy, cloudy, rainy, sunny or windy weather. The differences between weather and climate are :

SCOPE OF AGRO METEOROLOGY :-Agromet deals with all the weather sensitive elements of agricultural production. It includes transport of pathogen by wind, irrigation, climate, manipulation & artificial climates, weather risk assessment, use of weather fore caste in farming, crop yield & phenology forecasts & particularly advice to former as well as required data & method. Agro meteorological advice to farmers is the major thrust.

Weather forecasting –Weather forecasting play an essential part in many forming operation for instance weeding done in a rainless period, planting require regular but not too heavy rain, spraying pesticides cannot be done in windy weather.

<u>References</u>-Principal of Agronomy by S R REDDY

Principal of Agronomy-By_ Y Reddy & S R Reddy

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