

Impacts of Climate Change in Horticultural Crops

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Climate the summation of area's weather includes temperature, rainfall, atmospheric humidity, light, wind and hail effects. It largely determines which plants can be grown in the region and where they should be planted. Climate change is the fluctuation in the above climatic factors. Along with climate change various impact on horticultural crops and its production.

- a. There is a gradual shift on agroecological zones.
- b. Various pest are appearing for which there is no known control measures.
- c. Irregular rainfall, drought, flood etc. is reducing the yields.
- d. Various indigenous crops cultivars are not giving yield as expected and are in the version of extinction.
- e. High temperature as a result of greenhouse gases is destroying plants sapling, changed the season of flowering and harvesting.
- f. Quality, quantity and availability of horticultural crops is being decreased.

- g. Due to lack of sufficient rainfalls area which depends on rainfall for irrigation are suffering from problem of water.
- h. In summer excessive high temperature causes dehydration, at the same time plants suffer from freezing injury due to cold or excessive low temperature.
- i. Various horticultural farms and orchards are at the verge of floods, soil erosion and landslides resulting in the vast economic loss.
- j. Protein coagulation and enzyme denaturation as result if high temperature leads to which leads to high respiration which decrease reserve in horticultural crops.

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