

# The Effects of Global Warming on Plant Growth : A Systematic Analysis

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**Abstract:** *The impacts of climate change on plant phenology and distribution are reviewed here. Climate change is supported by several forms of information that may be used to reconstruct previous climates. These statistics originate from temperature measurements, glacier retreat, arctic sea ice loss, increasing sea levels, and worldwide precipitation. Additionally, actual facts have demonstrated that climate change has a broad variety of implications on life as we know it. Plant phenological features including flowering time, species richness and distribution, and assemblage composition are most affected by climate change. Plant species have expanded their ranges, become more species rich on alpine summits, and changed when they leaf out, flower, and fruit to adapt to the changing climate. Evolutionary adaptation may help natural populations cope with quick climatic change. The ability of species to profit from climate change may be affected by adaptive adaptations. Plant species may adapt to changing environments via phenotypic plasticity.*

**Keywords:** Phenology, Phenology, Plants, Ecosystems, Biodiversity, Adaptation

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