

عنوان مقاله:

Impact of Higher Carbon Dioxide Concentrations and Elevated Temperatures on the Growth of Field Bindweed (Convolvulus arvensis L.) in Turkey

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خلاصه مقاله:

Field bindweed (Convolvulus arvensis L.) is one of the worst weeds in Turkey as well as worldwide. Climate change, with increasing temperature and concentrations of greenhouse gases and unpredictable extreme weather events, has been among the foremost problems of the world. The effect of climate change on crop husbandry and weeds is to be investigated. The effect of rising temperature and COY on different populations of C. arvensis was studied under greenhouse conditions in the Malatya Province of Turkey, in Yol9. For this study, the weed seeds were collected from 1F provinces throughout Turkey during Yo1A. Two temperature regimes (day/night YF/1F°C and Y9/19°C) and two COY levels (\$\psi_\cdot\psi_\delta\cdot\psi\delta\cdot\ aboveground parts, and total plant were not affected by temperature, COY, and seed source. However, seed source affected root length differently depending on temperature and root length, and root dry weight as affected by COY level. In addition, seed source and temperature showed significant effect on measured parameters, while no .significant effect was determined for COY

کلمات کلیدی: Climate change, C۳ plant, Plant biomass, Weed.

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