

Project Title : Preliminary Studies on The Density of Some Important Weed seeds Species in The Soil and Determination of Relationships Between Soil Seedbank and Weed Flora in Cereal Areas of Manyas Province.

Start /End Date : 1998-2001

Supporting Body : GDAR

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Summary : Some important weed species seeds in the soil of wheat areas of Balıkesir- Manyas province Şevketiye country was researched. It was found that the seed number changed greatly among the wheat fields and estimated total weed populations ranged from 11.970 to 77.805, with an average of 25.500 seed/ m² in the top 25 cm of soil. It was determined that the seeds of *Amaranthus retroflexus* L., *Galium tricornutum* Dandy, and *Sinapis. arvensis* L. were the common weed spesies in the soil reservoir and that the weed seed soil reservoir of the irrigated areas was found to be more than the weed seed reservoir of non irrigated areas. Relationship between soil seed bank and weed flora was determined to be least than % 1