Project Title	:	Investigation of Chemical Control of Broomrape (<i>Phelipanche ramosa</i> L. Pome I/ P. aegyptiaca (Pers.) Pomel.) in Tomato fields.
Start /End Date	:	2006-2010
Supporting Body	:	TÜBİTAK 106G074
Leader	:	Hasan DEMİRKAN
Co-researchers	:	Süleyman TÜRKSEVEN, Prof. Dr. Yıldız NEMLİ, Koray KAÇAN
Summary	:	Field trials were established in Tevfikiye Village of Kumkale District in Çanakkale between 2008 and 2009. In this study, different doses some herbicides (imazapic 5 ml/da, glyphosate 5 ml/da, imazethapyr 20 ml/da, rimsulfuron 5 g/da, chlorsulfuron 0,24-0,48 ml/da) were applied post emergence om tomato in fielde conditions. Trials set up with seven different variants and four replicated. According to results; it was fouynd that highest affect to broomrape obtain in glyphosate variant (% 84 and % 74) in two years. Imazapic and two doses chlorsulfuron weren't effective in first year. This three variants were effective %66,7, % 71,4 and % 74,4 respectively in second year. It was found that the lowest tomato yield (6983-8299 kg/da) in two years expect imazapic. It was found that the lowest tomato yield obtain (1321- 2680 kg/da) in imazapic variant because of the phytotoxicity in two years. As a result of the experiments, show us the possibility of using some herbicides on broomrape control in tomato. Further researches should be done about this issue.