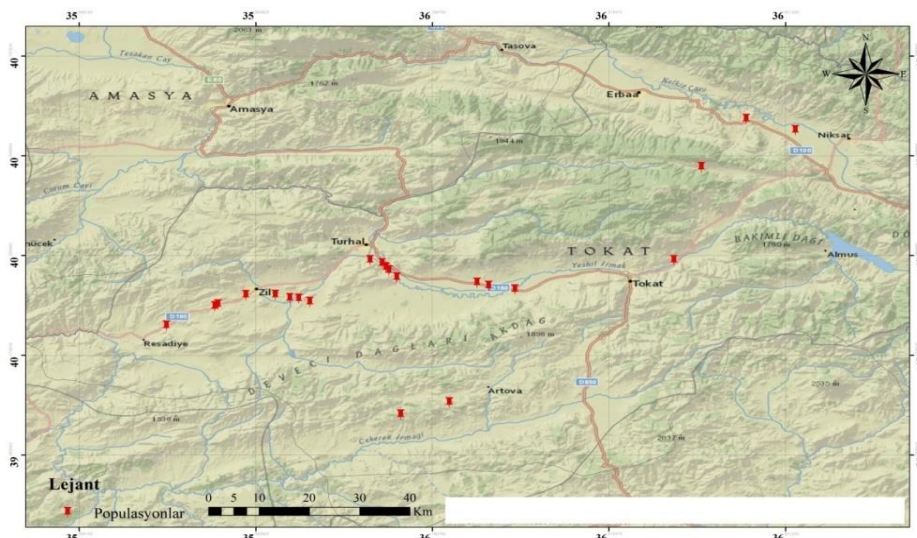


First report of *Avena sterilis* resistance against Diclofop methyl and Fenoxaprop p ethyl collected from wheat fields in Tokat Province, Turkey

Seed Collection : 2014

Place: Tokat, Turkey (see map)



Map of different putative resistant *Avena sterilis* populations collected from Tokat Province, Turkey

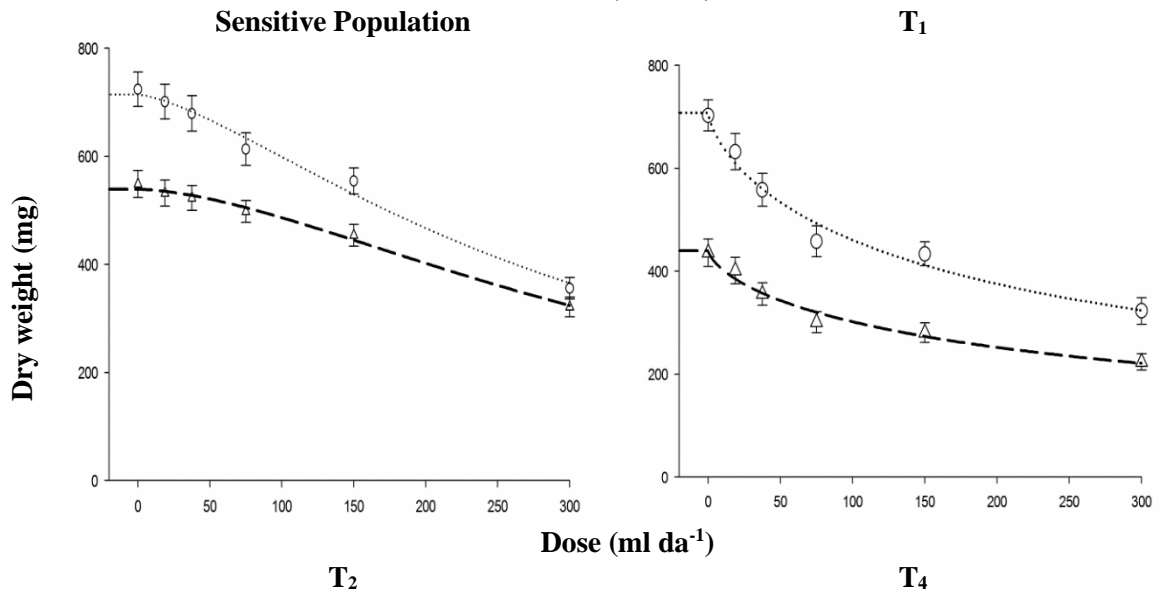
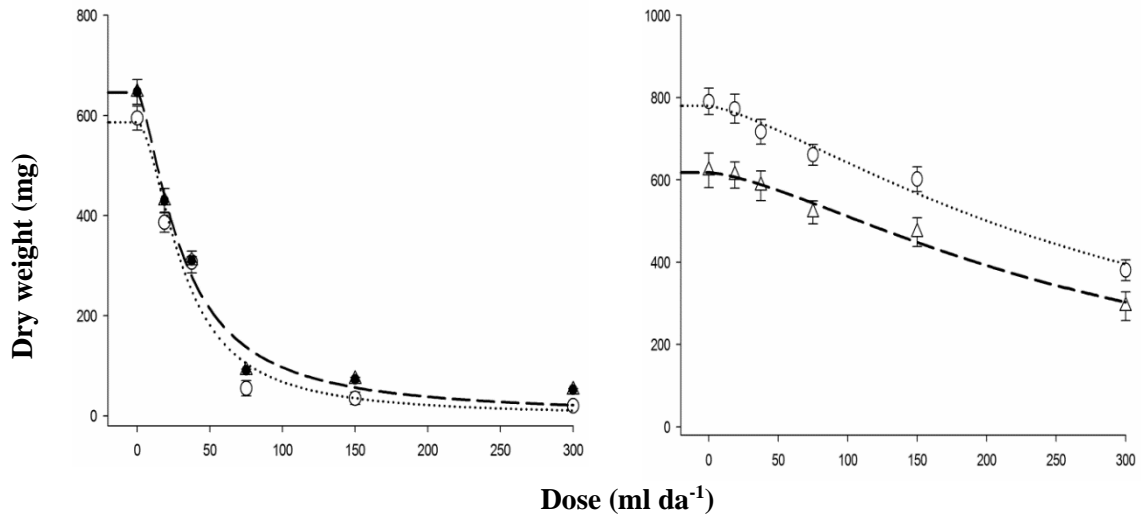
Type of test : Dose response assay

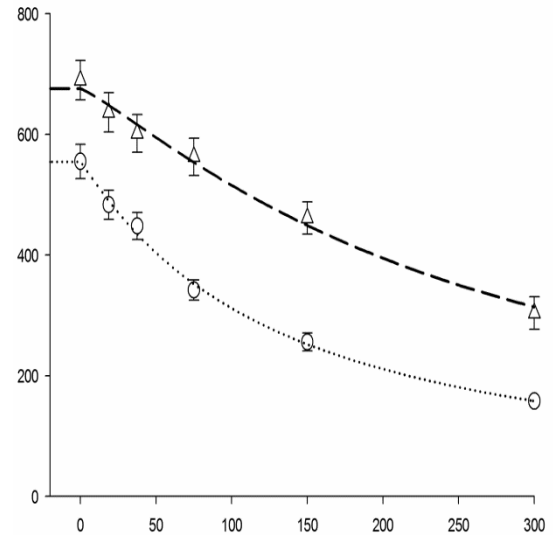
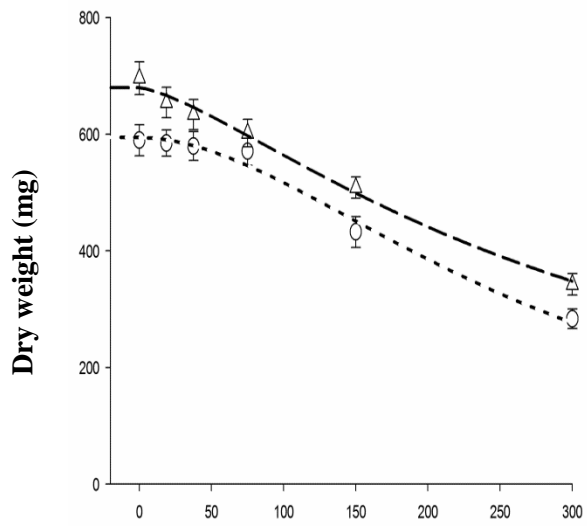
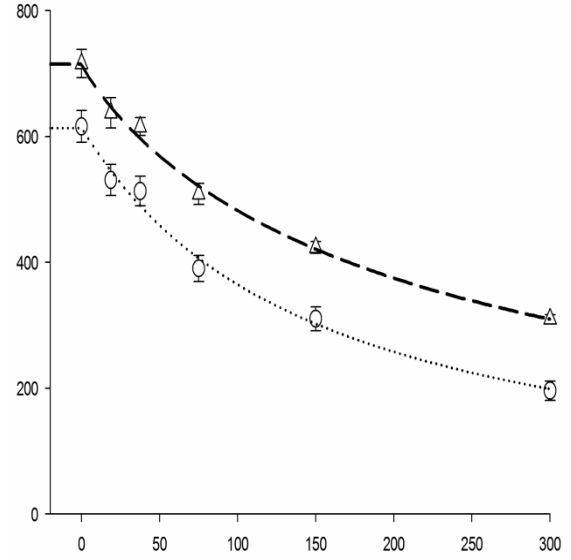
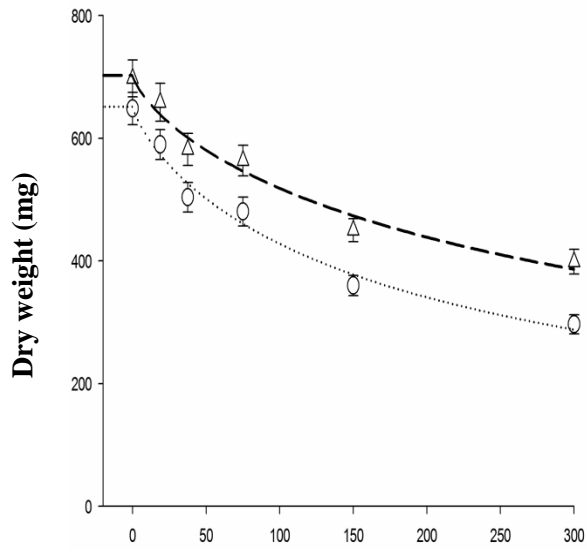
Tables (see tables and curves)

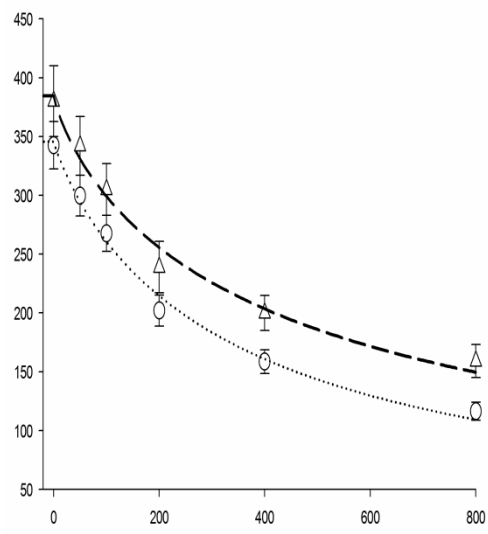
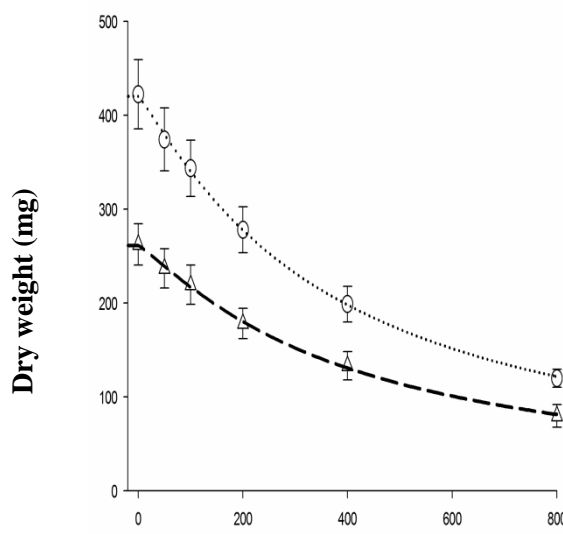
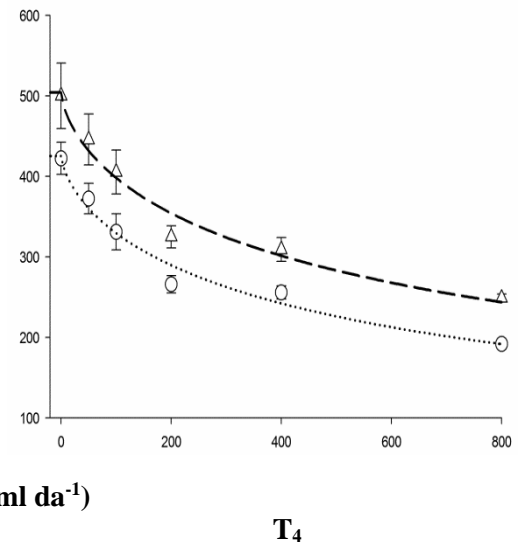
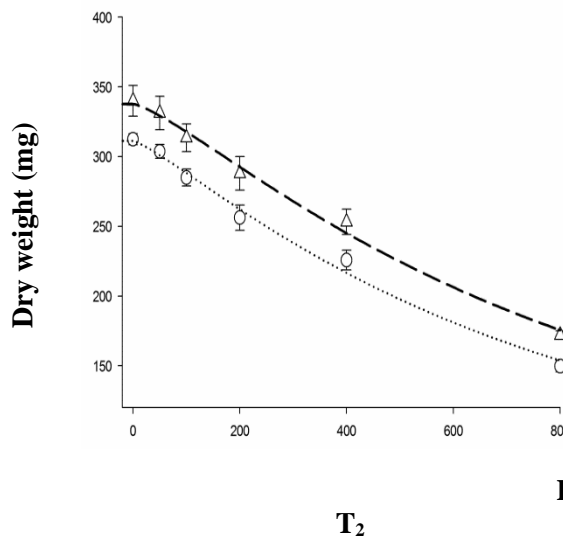
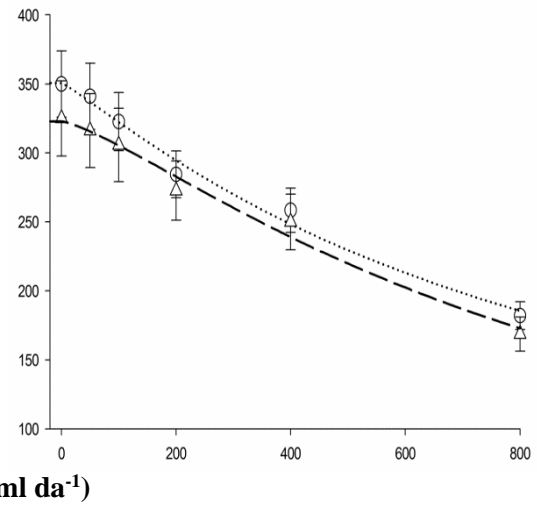
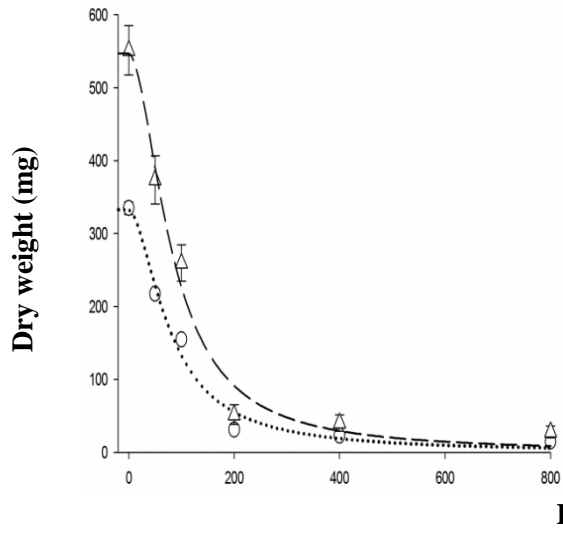
Table: Parameters of Dose response curve fitted on Fenoxaprop-p-ethyl assay data

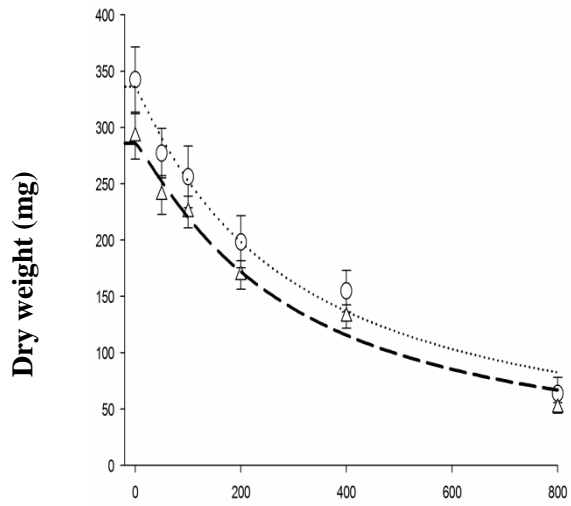
Fenoxaprop-p-ethyl							
	1 st Experiment			2 nd Experiment			1 st & 2 nd Exp
Pop	ED ₅₀	R ²	Resistance Index	ED ₅₀	R ²	Resistance Index	Average Resistance Index
H ₁ (Sensitive)	31,69± 5,49	0,97	1,00	31,17±4,42	0,98	1,00	1,00
T ₁	306,53±32,32	0,97	9,67	311,62±24,98	0,98	9,99	9,83
T ₂	309,99±23,99	0,98	9,78	384,05±22,43	0,99	12,32	11,03
T ₄	237,03±43,07	0,97	7,48	293,14±35,95	0,97	9,40	8,44
T ₁₁	224,36±33,19	0,98	7,08	391,26±76,16	0,97	12,55	9,82
T ₁₄	145,75±14,41	0,99	4,60	222,74±16,27	0,99	7,15	5,88
T ₁₆	278,52±17,68	0,98	8,79	298,73±19,1	0,99	9,58	9,18
T ₁₇	126,41±7,40	0,99	3,99	266,09±20,12	0,99	8,54	6,26
T ₁₈	161,86±22,26	0,98	5,11	247,81±43,44	0,97	7,95	6,53
T ₂₀	295,50±14,63	0,99	9,32	351,59±19,14	0,99	11,28	10,30

Dose Response Curves of first and second experiments for sensitive and resistant populations

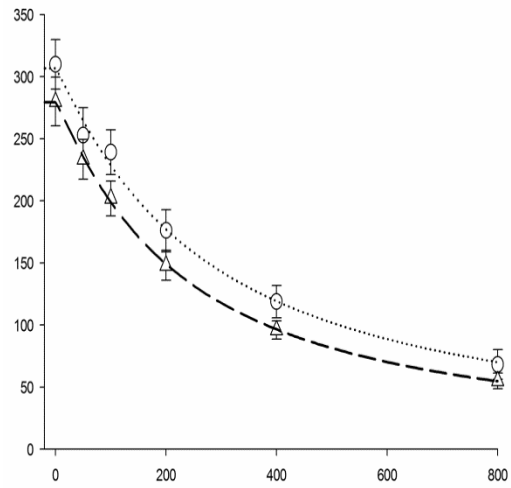




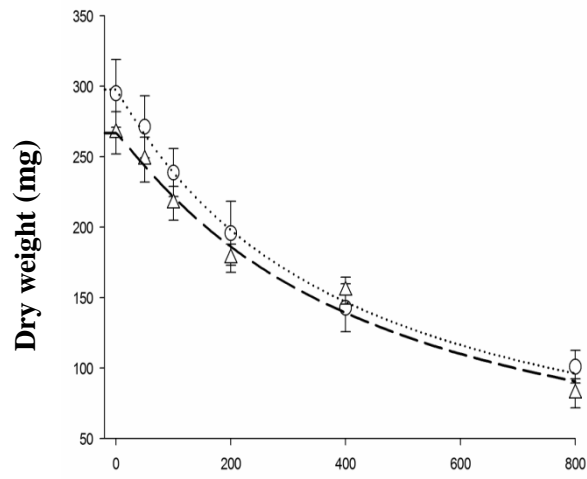




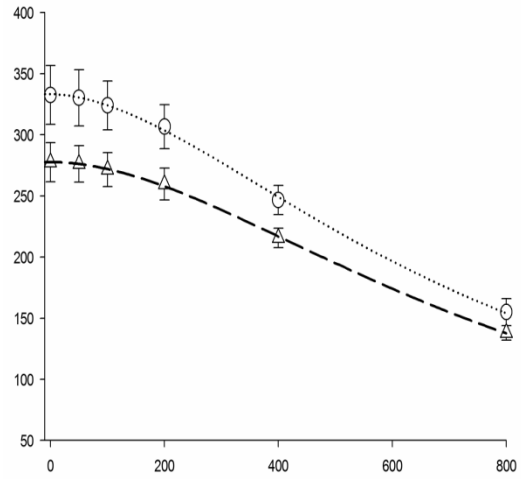
T₈



T₉



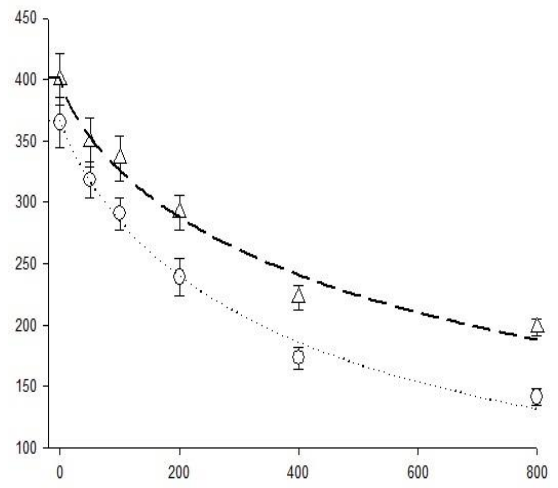
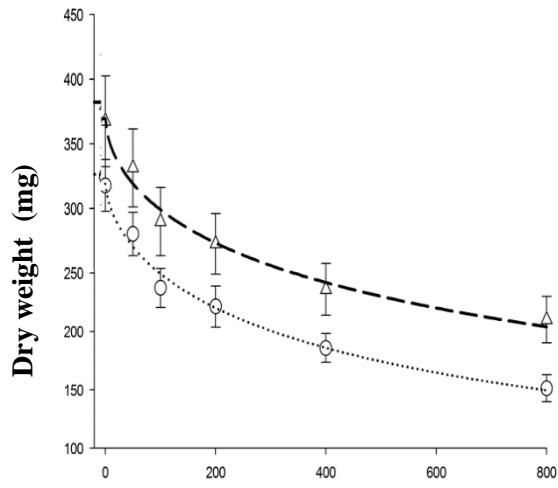
T₁₈



T₂₀

Dose (ml da⁻¹)

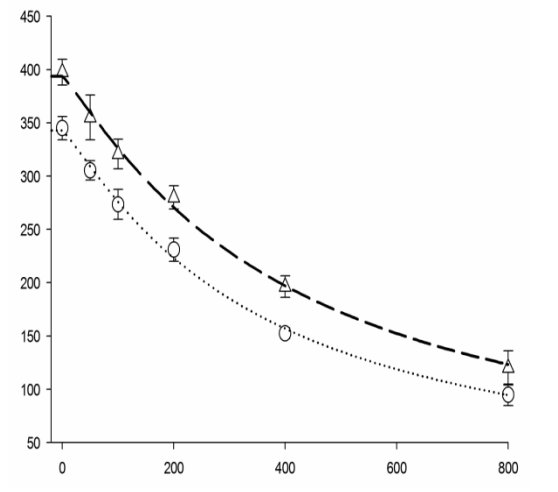
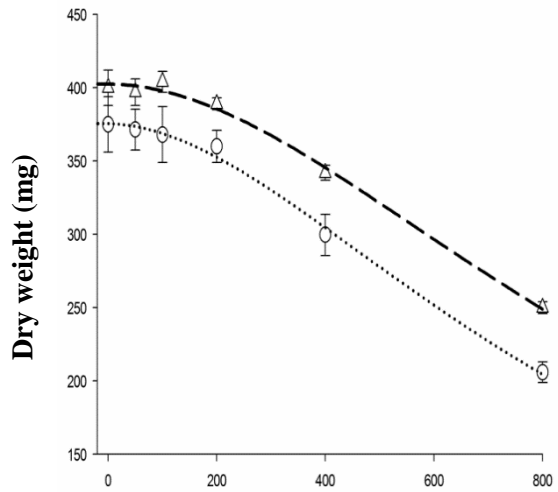
Dose (ml da⁻¹)



Dose (ml da⁻¹)

T₁₁

T₁₄



Dose (ml da⁻¹)

T₁₆

T₁₇

Crop: Wheat

Contributors: Gizem DOĞAR, İzzet KADIOĞLU