

Table S1. Two-way analysis of variance for the reduction in chlorophyll fluorescence (% of control) of pea plants treated with simulated mesotrione residues applied to soil at pH 7.0 and pH 5.0

Source of variation	df	SS	MS	F _{exp.}	<i>p</i> *
Replication	3	7.3	2.5		
Mesotrione rate	6	10390.2	1731.7	1238.0	< 0.001
pH	1	3491.3	3491.3	2496.0	< 0.001
Mesotrione rate x pH	6	321.3	53.6	38.3	< 0.001
Error	39	54.6	1.39		

df – degrees of freedom; SS – Sum of Squares; MS – Mean Square; F_{exp} - experimental Fisher quotient

*significant F-test for $p < 0.001$

Table S2. Two-way analysis of variance for the reduction in aboveground dry biomass (% of control) of pea plants treated with simulated mesotrione residues applied to soil at pH 7.0 and pH 5.0

Source of variation	df	SS	MS	F _{exp.}	<i>p</i> *
Replication	3	0.4	0.1		
Mesotrione rate	6	14071.9	2345.3	853.8	< 0.001
pH	1	3038.5	3038.5	1106.1	< 0.001
Mesotrione rate x pH	6	37.4	6.2	2.3	0.05
Error	39	107.1	2.7		

df – degrees of freedom; SS – Sum of Squares; MS – Mean Square; F_{exp} - experimental Fisher quotient

*significant F-test for $p < 0.001$; significant F-test for $p = 0.05$