Table S1. Efficiency of herbicide treatments on the weed control and yield characters and their effects on the phytotoxicity variables.

Treatments	NDVI (manually recorded)	NDVI (aerial recorded)	GNDVI (aerial recorded)	ENDVI (aerial recorded)	Phytotoxicity score*	Number of weeds 0.25 m^{-2}	Seed yield kg ha^{-1}	Yield contamination** kg ha^{-1}	Percentage of plant contamination (%)
Control (T0)	0.556^{a}	0.274^{ab}	0.165^{a}	0.398^{a}	1.00^{c}	6.40^{ab}	718^{a}	17^{a}	2.2
Flumioxazin (T1)	0.508^{ab}	0.232^{ab}	0.154^{a}	0.331^{ab}	1.47^{c}	2.00^{cde}	745^{a}	16^{a}	2.1
Pendimethalin (T2)	0.552^{a}	0.256^{ab}	0.159^{a}	0.367^{a}	1.08^{c}	4.05^{bcd}	822^{a}	22^{a}	2.6
Dimethenamid-P (T3)	0.500^{ab}	0.214^{ab}	0.154^{a}	0.324^{abc}	1.64^{c}	0.55^{e}	767^{a}	12^{a}	1.5
Pethoxamid (T4)	0.553^{a}	0.278^{a}	0.161^{a}	0.374^{a}	1.03^{c}	5.25^{ab}	770^{a}	16^{a}	2.0
Clomazone (T5)	0.559^{a}	0.265^{ab}	0.167^{a}	0.405^{a}	1.31^{c}	5.55^{ab}	812^{a}	22^{a}	2.7
Metobromuron (T6)	0.549^{a}	0.248^{ab}	0.153^{a}	0.361^{a}	1.25^{c}	7.40^{a}	732^{a}	19^{a}	2.6
Metribuzin (T7)	0.373^{c}	0.200^{c}	0.146^{a}	0.248^{c}	6.58^{a}	1.20^{de}	314^{ab}	10^{a}	3.1
Imazamox (T8)	0.428^{bc}	0.204^{bc}	0.141^{a}	0.258^{bc}	4.78^{b}	7.00^{ab}	92^{b}	9^{a}	8.4

Different letters in the superscript indicate statistically significant differences ($p<0.05$) between treatments within a variable. * A scale of 1 to 9 was used, where 1 indicates symptom-free and 9 indicates completely dead plants (Dancza, 2004). ** Weed biomass co-harvested with the crop were considered as yield contamination.