

Supplementary Table S1. Weed species identified in the experimental area and its herbicide resistance cases already reported.

Family / EPPO Code <sup>1</sup> / Scientific name			Resistance Cases (HRAC/WSSA MoA) <sup>b</sup>							Reference
Amaranthaceae										
ALRTE	<i>Alternanthera tenella</i>									
AMACH	<i>Amaranthus hybridus</i> var. <i>patulus</i>		2	4	5	6	9	14		[31]
AMADE	<i>Amaranthus deflexus</i>									
AMARE	<i>Amaranthus retroflexus</i>									
AMAVI	<i>Amaranthus viridis</i>		2	5	6	7	14			[29, 31]
CHEAL	<i>Chenopodium album</i>		2	4	5	7				[31]
Asteraceae										
AGECO	<i>Ageratum conyzoides</i>		2							[31]
BIDPI	<i>Bidens pilosa</i>		2	5	9	22				[31, 45]
EMISO	<i>Emilia fosbergii</i>									
ERICA	<i>Conyza canadensis</i>		2	5	7	9	22			[31]
GASCI	<i>Galinsoga quadriradiata</i>									
GASPA	<i>Galinsoga parviflora</i>									
GNASP	<i>Gnaphalium coarctatum</i>									
PTNHY	<i>Parthenium hysterophorus</i>		2	9						
SONOL	<i>Sonchus oleraceus</i>		2	4	9					[31]
TRQPR	<i>Tridax procumbens</i>		9							[31]
Brassicaceae										
RAPRA	<i>Raphanus raphanistrum</i>		2	4	5	9	12	15	27	
Commelinaceae										
COMBE	<i>Commelina benghalensis</i>									
Convolvulaceae										
IPOQU	<i>Ipomoea quamoclit</i>									
IPOTR	<i>Ipomoea triloba</i>									
PHBPU	<i>Ipomoea purpurea</i>									
Cyperaceae										
CYPIR	<i>Cyperus iria</i>		2							[31]
Euphorbiaceae										
EPHHI	<i>Chamaesyce hirta</i>									
EPHHL	<i>Euphorbia heterophylla</i>		2	7	9	14				[31]
Malvaceae										
MAVCO	<i>Malvastrum coromandelianum</i>									
SIDGZ	<i>Sida glaziovii</i>									
SIDRH	<i>Sida rhombifolia</i>									
SIDSP	<i>Sida spinosa</i>		2							[31]
SIDSN	<i>Sida santaremnensis</i>									
Oxalidaceae										
OXALA	<i>Oxalis latifolia</i>									
Phyllanthaceae										
PYLTE	<i>Phyllanthus tenellus</i>									
Poaceae										
BRADC	<i>Urochloa decumbens</i>									
BRARU	<i>Urochloa ruziziensis</i>									
CCHEC	<i>Cenchrus echinatus</i>									
CHRSS <sup>c</sup>	<i>Chloris elata</i>		9							
DIGHO	<i>Digitaria horizontalis</i>									
DIGIN	<i>Digitaria insularis</i>		1	9						[31]

ELEIN	<i>Eleusine indica</i>	1	2	3	5	9	10	14	22	[31]
PANMA	<i>Panicum maximum</i>									
SETGE	<i>Setaria parviflora</i>									
Portulacaceae										
POROL	<i>Portulaca oleracea</i>	5	7							[31]
Rubiaceae										
RCHBR	<i>Richardia brasiliensis</i>									
Solanaceae										
SOLAM	<i>Solanum americanum</i>	22								[31]

<sup>a</sup>: Code EPPO: European and Mediterranean Plant Protection Organization (EPPO) (ex-Bayer code);

<sup>b</sup>: Global Classification of Herbicides by Mode of Action by the Herbicide Resistance Action Committee / Weed Science Society of America;

<sup>c</sup>: Code for *Chloris* sp., because *C. elata* does not have EPPO code.