

HERBICIDE RESISTANT WEEDS IN AUSTRALIA

Grass weeds	Groups	Sites
African lovegrass (<i>Eragrostis curvula</i>)	0	8
Annual ryegrass (<i>Lolium rigidum</i>)	1	>30,000
	2	>30,000
	3	>5000
	5	>50
	9	>2000
	13	3
	15	>100
	22	>100
	34	3
Annual veldtgrass (<i>Ehrharta longiflora</i>)	1	6
Awnless barnyard grass (<i>Echinochloa colona</i>)	9	>500
Barnyard grass (<i>Echinochloa crus-galli</i>)	1	2
	2	1
	5	1
Barley grass (<i>Hordeum</i> spp.)	1	>200
	2	>200
	9	8
	22	>100
Brome grass (<i>Bromus</i> spp.)	1	>200
	2	>1000
	5	1
	9	5
(large) crab grass (<i>Digitaria sanguinalis</i>)	1	2
	2	1
Crowsfoot grass (<i>Eluesine indica</i>)	1	1
	22	5
Feathertop Rhodes grass (<i>Chloris virgata</i>)	9	>2000
Giant Parramatta grass (<i>Sporobolus fertilis</i>)	0	6
Johnson grass (<i>Sorghum halepense</i>)	9	1
Lesser canary grass (<i>Phalaris minor</i>)	12	20
		10
Liverseed grass (<i>Urochloa panicoides</i>)	5	7
	9	4
Paradoxa grass (<i>Phalaris paradoxa</i>)	1	7
	2	4
Serrated tussock (<i>Nassella trichotoma</i>)	0	32
Silver grass (<i>Vulpia bromoides</i>)	5	3
	22	1
Sweet summer grass (<i>Brachiaria eruciformis</i>)	9	15
Wild oat (<i>Avena</i> spp.)	1	>5000
	2	>200
	9	2
	0	>200

Please note:

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Grass weeds	Groups	Sites
Windmill grass (<i>Chloris truncata</i>)	9	13
Winter grass (<i>Poa annua</i>)	1	3
	2	20
	3	>100
	5	10
	9	10
	15	10
	22	'
	31	3

Broadleaf weeds	Groups	Sites
African turnip weed (<i>Sisymbrium thellungii</i>)	2	2
Arrowhead (<i>Sagittaria montevidensis</i>)	2	20
Black bindweed (<i>Fallopia convolvulus</i>)	2	2
Black nightshade (<i>Solanum nigrum</i>)	22	2
Bedstraw (<i>Galium tricornutum</i>)	2	3
Calomba daisy (<i>Pentzia suffruticosa</i>)	2	2
Capeweed (<i>Arctotheca calendula</i>)	4	25
	9	2
	12	1
	22	1
Charlock (<i>Sinapis arvensis</i>)	2	2
Common sowthistle (<i>Sonchus oleraceus</i>)	2	>10,000
	4	>100
	9	>100
Dense-flowered fumitory (<i>Fumaria densiflora</i>)	3	2
Dirty dora (<i>Cyperus difformis</i>)	2	>50
Iceplant (<i>Mesembryanthemum crystallinum</i>)	2	2
Fleabane (<i>Conyza bonariensis</i>)	2	>100
	22	10
	9	>2000
Indian hedge mustard (<i>Sisymbrium orientale</i>)	2	>1000
	4	>50
	5	16
	12	>50
Lesser Jack (<i>Emex spinosa</i>)*	2	2
Lincoln weed (<i>Diplotaxis tenuifolia</i>)	2	20
Paddy melon (<i>Cucumis myriocarpus</i>)*	4	1
Paterson's curse (<i>Echium plantagineum</i>)	29	2
		1
Pennsylvania cudweed (<i>Gamochaeta pensylvanica</i>)	22	1
Prickly lettuce (<i>Lactuca serriola</i>)	2	>2000
	9	1

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Broadleaf weeds	Groups	Sites
Shepherd's purse (<i>Capsella bursa-pastoris</i>)	2	1
	4	1
	12	1
Small square weed (<i>Mitracarpus hirtus</i>)	22	1
Starfruit (<i>Damasonium minus</i>)	2	5
Stinging nettle (<i>Urtica urens</i>)	5	1
Tall fleabane (<i>Conyza sumatrensis</i>)	9	
Tridax (<i>Tridax procumbens</i>)	9	
Turnip weed (<i>Rapistrum rugosum</i>)	2	
Wild radish (<i>Raphanus raphanistrum</i>)	2	>5000
	4	>1000
	5	>20
	9	3
	12	>1000
	27	1
	29	2
Wild turnip (<i>Brassica tournefortii</i>)	2	>100
Willow-leaved lettuce (<i>Lactuca saligna</i>)	9	2
Winged Slender Thistle (<i>Carduus tenuiflorus</i>)	4	2

*In 2025, one new species with resistance to herbicides was identified. These were two populations of Lesser Jack (*Emex spinosa*) identified which were resistant to Group 2.

Notes

- Croplife acknowledges the assistance of Professor Chris Preston (University of Adelaide) in compiling this list. If you suspect a case of herbicide resistance that is not on this list, please notify Prof. Preston at christopher.preston@adelaide.edu.au so that he can maintain a register of herbicide resistance in Australia..
- Further information can be found at the International Herbicide-Resistant Weed Database, <https://www.weedscience.org/>.
- The numerical herbicide Mode of Action classification system was fully implemented at the end of 2024. For further information and guidance about the update, see <https://www.croplife.org.au/media/industry-news/moa/>

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