

Weed susceptibility to soil acting pre-emergence herbicides authorised for use on outdoor peony crops

Weed species	Latin name	Type of weed	clomazone	diflufenican	dimethenamid-P	flufenacet	imazamox	isoxaben	lenacil	metamitron	metazachlor	metobromuron	metribuzin	napropamide	pendimethalin	prosulfocarb	S-metolachlor
Annual meadow-grass	<i>Poa annua</i>	Annual	MS		S	S		R	S	S	S	S	S	S	S	MS	S
Annual mercury	<i>Mercurialis annua</i>	Annual					MS						S				
Bindweed, black	<i>Fallopia convolvulus</i>	Annual	MR		S		S	S	S	MS	MR	MS	MS	MS			R
Bindweed, field	<i>Convolvulus arvensis</i>	Perennial							MR	S	S						R
Black grass	<i>Alopecurus myosuroides</i>	Annual							S	MS			S				
Broad-leaved dock	<i>Rumex obtusifolius</i>	Perennial			S			R	R	MR			S				MR
Bugloss	<i>Brunnera macrophylla</i>	Perennial								MS			S				
Charlock	<i>Sinapis arvensis</i>	Annual	R	S	S	MS	S	S	S	S	MR	S	S	R	R		
Chickweed, common	<i>Stellaria media</i>	Annual	S	S	S	MS	S	S	S	S	S	S	S	S	S	S	S
Cleavers	<i>Galium aparine</i>	Annual/Perennial	S			MS											
Clover	<i>Trifolium spp.</i>	Annual/Perennial			S			MR	R	R	MR		R	MS	MR	MS	R
Corn marigold	<i>Glebionis segetum</i>	Annual							S								
Corn spurry	<i>Spergula arvensis</i>	Annual		S	S			S	S	S	MS		S	S			S
Couch grass	<i>Elymus repens</i>	Perennial	S														S
Crane's-bill, dove's-foot	<i>Geranium dissectum</i>	Perennial	S		S	MR		MS			MR				MS	S	S
Creeping thistle	<i>Cirsium arvense</i>	Perennial							R	S	S		S				S
Creeping yellow cress	<i>Rorippa sylvestris</i>	Perennial											S		S		S
Daisy	<i>Bellis perennis</i>	Perennial					MS										
Dandelions	<i>Taraxacum spp.</i>	Perennial					S	S	R	MR				S	R		R
Dead-nettle, red	<i>Lamium purpureum</i>	Annual	S		S	MR	S	S	MS	S			S	S	S	S	S
Fat-hen	<i>Chenopodium album</i>	Annual	MS		MS			S	S	S	MS	S	S	S	S		R
Field forget-me-not	<i>Myosotis arvensis</i>	Annual		S			S	S	S	MS	MS		S	S	S	S	
Fleabane, Canadian	<i>Conyza canadensis</i>	Annual						MS	R					MS	R		R
Fool's parsley	<i>Aethusa cynapium</i>	Annual					MR			S							S
Fumitory, common	<i>Fumaria officinalis</i>	Annual	R		R			S	S	S	R		MS				S
Gallant soldier	<i>Galinsoga parviflora</i>	Annual					S	S	S	S							S
Groundsel	<i>Senecio vulgaris</i>	Annual	S			MR	S	MR	MS	S	S	S	MS	S	R		S
Hairy Bittercress	<i>Cardamine hirsuta</i>	Annual			S							S		MR			MR
Hemp-nettle, common	<i>Galeopsis tetrahit</i>	Perennial							R				S		S		
Henbit dead-nettle	<i>Lamium amplexicaule</i>	Annual		S			S	S	S	S			S	MS	S		S
Hogweed	<i>Heracleum sphondylium</i>	Perennial			S				S	S				R	S		
Horsetail	<i>Equisetum arvense</i>	Perennial					S	S	S								R
Knotgrass	<i>Polygonum aviculare</i>	Perennial	MR		R		S	S	S	S	R	MS	S	S	S		R
Mouse-ear chickweed	<i>Cerastium vulgatum</i>	Perennial		S					S	S			S	S			S
Nettle, small	<i>Urtica urens</i>	Annual	MR		S		S	S	MS	S	MS			MS	S		MS
Nightshade, black	<i>Solanum nigrum</i>	Annual			MR			R	R	S	S		R	R	MR	S	MR
Orache, common	<i>Atriplex patula</i>	Annual			MS		S	S	S	S			S				
Oxalis	<i>Oxalis europaea</i>	Annual/Perennial			S		MR	MR	R	S				MS	S		R
Pale persicaria	<i>Persicaria lapathifolia</i>	Annual					S	S	S				S	MS			
Pansy, field	<i>Viola arvensis</i>	Annual	R	S	MS	R	MR	S	R	S	MR		S	MS	S	R	MR
Parsley-piert	<i>Aphanes arvensis</i>	Biennial		S			MR			S				R			
Penny-cress, field	<i>Thlaspi arvense</i>	Annual					S	S	S	S	R		S	R	MS		
Plantains	<i>Plantago major</i>	Perennial						MS	MS	S				S			MS
Poppy, common	<i>Papaver rhoeas</i>	Annual	R	S	MS	MR	S	S	S	S	MS		S	S	S		S
Ragwort	<i>Jacobaea vulgaris</i>	Annual/Perennial					S		MR	S							
Redshank	<i>Persicaria maculosa</i>	Annual			S		S	S	S	S	MS		S	MS	MS		R
Ryegrasses	<i>Lolium spp.</i>	Annual/Perennial			S	MS							S				
Scarlet pimpernel	<i>Anagallis arvensis</i>	Annual					S		S	S			S	R	S		
Scented mayweeds	<i>Matricaria recutita</i>	Annual	S			MS	MS	S	MS	S	S	S	S	S	MS		S
Shepherd's-purse	<i>Capsella bursa-pastoris</i>	Annual	S	S	S		MR	S	S	S	S	S	S	MS	MS		S
Sow-thistle, smooth	<i>Sonchus oleraceus</i>	Annual/Perennial			MS		MR	MS	S	MR	MS		S	MS	S		S
Speedwell, common field	<i>Veronica persica</i>	Annual	S	S	S	MR	S	S	MR	S	S		S	S	S	S	S
Speedwell, ivy-leaved	<i>Veronica hederifolia</i>	Annual	S	S	S	MR	S	S	MS	MS	S		S	S	S	S	S
Stinging nettle	<i>Urtica dioica</i>	Perennial					S	S	R	S			S	MS	S		S
Volunteer cereals	Various	Annual			MS			R	S						R		S
White campion	<i>Silene latifolia</i>	Perennial					S	S	S	MS			S				S
Wild chamomile	<i>Matricaria chamomilla</i>	Annual						S	S	S	MS						
Wild oats	<i>Avena spp.</i>	Biennial			MS	MR		R	R						R		S
Wild radish	<i>Raphanus raphanistrum</i>	Annual		S			MS	S	S				S		R		R
Willow	<i>Salix spp.</i>	Perennial						S	S			S					
Willowherb	<i>Epilobium spp.</i>	Annual/Perennial			S			R	R	MS	S			S	R		S

S Sensitive
MS Moderately sensitive
MR Moderately resistant
R Resistant