



ADAMA

Galigan® 500 SC

Bare area management in IVM, forestry and ornamental garden situations.

Product Overview

Galigan® 500 SC contains 500g/L oxyfluorfen in a unique low odour, suspension concentrate formulation. It is registered for the control of a wide range of broadleaf weeds in forestry and ornamentals, industrial areas, non-crop situations, roadsides, rail and rights-of-way. DO NOT apply to turf as damage may occur.

Mode of Action

GROUP 14 HERBICIDE

Oxyfluorfen, the active ingredient in Galigan® 500 SC, is a member of the diphenyl ether group of herbicides (Group 14). It acts by inhibition of protoporphyrinogen oxidase (PPO), an enzyme that catalyzes a biological reaction that is involved in the production of chlorophyll. PPO inhibitors block the production of chlorophyll, and also cause reactive molecules to form in the cell, which, in turn, destroy existing chlorophyll molecules, carotenoids and cell membranes.

Uptake of Galigan® 500 SC occurs mainly through the leaves – either through contact on existing emerged weeds or taken up from the soil as the weed seedling breaks through the soil surface treated with Galigan® 500 SC.

One of the key benefits of Galigan® 500 SC is that it is safe to many forestry and ornamental tree and shrub species, with limited off-site movement from the treated area. It achieves this through extremely fast soil binding.

Galigan® 500 SC is a **non-scheduled** herbicide, giving extra flexibility for use in sensitive areas. When used at the higher rate, extended pre-emergence control of up to 6 months can be expected.

Additionally, Galigan® 500 SC application via helicopter has a maximum drop height of 15m, which make application easier and safer for operators.

How to get the best results from Galigan® 500 SC

Galigan® 500 SC can be used as either a post-emergent “spike” with non-selective herbicides, or as a pre-emergent applied to weed-free soil or weeds at seedling stage.

Galigan® 500 SC as a “spike”

- Use recommended rates of glyphosate, paraquat or diquat/paraquat mixtures plus 36ml/ha of Galigan® 500 SC.
- Improves knockdown and increases the speed at which treated weeds develop visible symptoms of phytotoxicity (compared to results achieved with glyphosate applied alone)

Galigan® 500 SC as a pre-emergent

- For use in *Eucalyptus* spp. and *Pinus* spp. forestry plantations, industrial areas, non-crop situations, roadsides, rail and rights-of-way.
- Although Galigan® 500 SC has some knockdown effect on certain weeds, best results are achieved on weed-free soil or weeds up to 4-6 true leaf stage. Use higher rates for longer residual control.
- Forestry pre-plant applications: allow a plant back of 4 weeks prior to transplanting; use 1.5-1.9L/ha.
- Forestry post-plant application: apply as a directed spray to the inter row in *Eucalyptus* spp. In *Pinus* spp an “over-the-top” spray can be utilised.
- For post-plant applications in forestry and ornamental trees, industrial areas, non-crop situations, roadsides, rail and rights-of-way use 2L/ha or 2 mL/10 m².
- In these situations ensure spray is directed to the base of seedlings, or that seedlings are protected. Generally, Galigan® 500 SC is regarded as safe to commonly planted forestry and ornamental species but the sensitivity of less common species should be tested on small areas before a large-scale application is made. Refer to the label or contact your ADAMA representative for more details.



HERBICIDE

Galigan® 500 SC

Weed spectrum controlled by Galigan® 500 SC

BEFORE GERMINATION		SEEDLINGS
Amsinckia (<i>Amsinckia</i> spp.)	Pigweed (<i>Portulaca oleracea</i>)	Amsinckia (<i>Amsinckia</i> spp.)
Barley grass (<i>Hordeum leporinum</i>)	Prickly lettuce (<i>Lactuca</i> spp.)	Bellvine (<i>Ipomoea</i> spp.)
Barnyard grass (<i>Echinochloa</i> spp.)	Red Natal grass (<i>Rhynchelytrum repens</i>)	Capeweed (<i>Arctotheca calendula</i>)
Blackberry nightshade (<i>Solanum nigrum</i>)	Redshank (<i>Amaranthus cruentus</i>)	Common cotula (<i>Cotula australis</i>)
Bladder ketmia (<i>Hibiscus trionum</i>)	Ryegrass (<i>Lolium</i> spp.)	Crowsfoot grass (<i>Eleusine indica</i>)
Burrgrass (<i>Cenchrus australis</i>)	Sesbania pea (<i>Sesbania cannabina</i>)	Deadnettle (<i>Lamium amplexicaule</i>)
Caltrop (<i>Tribulus terrestris</i>)	Shepherd's purse (<i>Capsella bursa-pastoris</i>)	Groundsel (<i>Senecio vulgaris</i>)
Capeweed (<i>Arctotheca calendula</i>)	Small flowered mallow (<i>Malva parviflora</i>)	Liverseed grass (<i>Urochloa panicoides</i>)
Chickweed (<i>Stellaria media</i>)	Sour sob (<i>Oxalis pes-caprae</i>)	Pigweed (<i>Portulaca oleracea</i>)
Crowsfoot grass (<i>Eleusine indica</i>)	Sow thistle (<i>Sonchus oleraceus</i>)	Potato weed (<i>Galinsoga parviflora</i>)
Deadnettle (<i>Lamium amplexicaule</i>)	Starburr (<i>Acanthospermum hispidum</i>)	Redshank (<i>Amaranthus cruentus</i>)
Fat hen (<i>Chenopodium album</i>)	Stinkgrass (<i>Eragrostis cilianensis</i>)	Shepherd's purse (<i>Capsella bursa-pastoris</i>)
Feathertop Rhodes grass (<i>Chloris virgata</i>)^	Summer grass (<i>Digitaria</i> spp.)	Sow thistle (<i>Sonchus oleraceus</i>)
Giant pigweed (<i>Trianthema portulacastrum</i>)	Thornapple (<i>Datura stramonium</i>)	Small flowered mallow (<i>Malva parviflora</i>)*
Liverseed grass (<i>Urochloa panicoides</i>)	White eye (<i>Richardia brasiliensis</i>)	Stinging nettle (<i>Urtica urens</i>)
Lovegrass (<i>Eragrostis</i> spp.)	Wild mustard (<i>Sisymbrium</i> spp.)	Stinkgrass (<i>Eragrostis cilianensis</i>)
Pigeon grass (<i>Setaria</i> spp.)	Wild radish (<i>Raphanus raphanistrum</i>)	Wild radish (<i>Raphanus raphanistrum</i>)
	Wireweed/Hogweed (<i>Polygonum aviculare</i>)	

Application Recommendations

Galigan® 500 SC can be applied by itself or with other products where extended range of target weeds is desired, or a quicker brown down required.

Compatible products include Victory IVM (clopyralid), Simanex (simazine), Firepower (haloxyfop), Excalibur IVM (sulfometuron), Exonerate (glufosinate) plus various glyphosate products (**note Galigan® 500 SC is not compatible with 540g/L glyphosate products present as the potassium salt**).

It is best to avoid weeds that are stressed, e.g. cold, dry or waterlogged plants, or spraying in hot or windy conditions. Galigan® 500 SC can be applied via knapsack, boom spray or aerially.

For post-emergent spraying, addition of a non-ionic surfactant at label rates may be of benefit, but this is not required for pre-emergent spraying to bare soil.

Ground application via knapsack or boom spray should be in a water spray volume of 250-500L/ha for treating bare soil or up to 1350L/ha when treating seedling weeds. Use the higher volumes where weed density is high.

Example - boom spray: 2L/ha Galigan® 500 SC in 500L/ha water

Example - knapsack: 40ml Galigan® 500 SC/10L knapsack, to cover 200m²

For aerial application a spray volume of 100L is recommended.

Features	Benefits
Non-scheduled chemical	Increased usage in and around public areas. Minimal PPE requirements for mixing and application.
Long term residual from high rates	Expect up to 6 months residual control of common and hard-to-kill weeds
High active ingredient loading	Lower application rates and reduced freight, drum storage and disposal costs.
Broad range of common grass and broadleaf controlled	One pass spray operation, saving time and money
Aerial application drop height up to 15m	Operator safety and accuracy in aerial application
Strong binding to soil	Will not move into desirable vegetation areas (e.g. turf) – great for pathways
Safe to mature ornamental trees	Can spray under tree driplines and in garden beds.
Some species are tolerant to "Over-the-top" spray applications	Ease of use when spraying Duboisia, pine and eucalypt plantations
May be applied with tank mix partners	Commonly mixed with non-selective herbicides such as glyphosate, glufosinate etc. to remove existing mature weeds



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