



Company Name: DOW AGROSCIENCES AUSTRALIA LIMITED
Product Name: GOALTENDER HERBICIDE
eLabel Application No: DC12-86340986E1
APVMA Approval No: 62671/100919

Label Name:	GOALTENDER HERBICIDE			
Signal Headings:	READ SAFETY DIRECTIONS BEFORE OPENING OR USING			
Constituent Statements:	480 g/L OXYFLUORFEN			
Mode of Action:	<table border="1"><tr><td>GROUP</td><td>G</td><td>HERBICIDE</td></tr></table>	GROUP	G	HERBICIDE
GROUP	G	HERBICIDE		
Statement of Claims:	For selective control of broadleaf weeds and some grasses as specified in the Directions for Use table.			
Net Contents:	20 L 10L 5 L			
Restraints:	RESTRAINT: DO NOT disturb weeds by cultivation or sowing for 1 day following application to annual weeds and 7 days for perennial weeds to ensure herbicide absorption, unless specified in the CRITICAL COMMENTS.			
Directions for Use:	This section contains file attachment. File Name: DIRECTIONS FOR USE GOALTENDER 2015.pdf File Size: 46965 bytes			
Withholding Periods:	WITHHOLDING PERIODS: GRAZING DO NOT ALLOW LIVESTOCK TO GRAZE TREATED WEEDS. HARVEST NOT REQUIRED WHEN USED AS DIRECTED.			
General Instructions:	This section contains file attachment. File Name: GENERAL INSTRUCTIONS GOALTENDER 2015.pdf			

Resistance Warning:	<p>RESISTANT WEEDS WARNING</p> <p>GROUP G HERBICIDE</p> <p>GoalTender Herbicide is a member of the diphenyl ether group of herbicides. The mode of action of GoalTender Herbicide is to inhibit protoporphyrinogen oxidase. For weed resistance management, GoalTender Herbicide is a Group G herbicide. Some naturally-occurring weed biotypes resistant to GoalTender Herbicide and other Group G herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These weeds will not be controlled by GoalTender Herbicide or other Group G herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Dow AgroSciences accepts no liability for any losses that may result from the failure of GoalTender Herbicide to control resistant weeds.</p>
Precautions:	<p>PRECAUTIONS</p> <p>DO NOT apply using spraying equipment carried on the back of the user.</p> <p>Re-entry periods DO NOT allow entry into treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.</p>
Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.</p> <p>PROTECTION OF LIVESTOCK Use with care when applying in areas frequented by stock.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT This product is highly toxic to wildlife and fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. Use care when applying in areas frequented by wildlife or adjacent to any body of water. DO NOT apply when weather conditions favour drift from target areas.</p>
Storage and Disposal:	<p>STORAGE AND DISPOSAL Keep Out of Reach of Children. Store in the closed, original container in a cool, well-ventilated area. Store above 5°C. DO NOT store for prolonged periods in direct sunlight. DO NOT store near food, feedstuffs, fertilisers and seeds. This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple or pressure rinse container for disposal. Dispose of rinsate by adding to the spray tank. Do not dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management site. The cap should not be replaced but may be taken separately. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation</p>

and tree roots, in compliance with relevant Local, State or Territory government regulations.
DO NOT burn empty containers or product.

Safety Directions:

SAFETY DIRECTIONS

When opening the container and mixing and loading, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves
If applying by hand wear cotton overalls, over normal clothing, buttoned to the neck and wrist and elbow-length chemical resistant gloves.
Wash hands after use.
After each day's use wash gloves and contaminated clothing.

**First Aid
Instructions:**

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone: Australia 13 11 26.

First Aid Warnings:

DIRECTIONS FOR USE

GoalTender™ Herbicide can be used on weed-free soil to prevent germination of a wide variety of weeds or it can be applied to existing weeds at seedling stage especially with a tank mix partner to increase the variety of weeds controlled and/or the length of residual control. GoalTender Herbicide can also be added at a low rate as a “spike” to glyphosate or paraquat and diquat/paraquat herbicides to improve knockdown.

1. GoalTender Herbicide applied as a “spike” with glyphosate OR with either paraquat or a diquat/paraquat mixture.

SITUATION	FOR WEEDS CONTROLLED & TIME OF APPLICATION	RATE OF Goal Tender Herbicide	CRITICAL COMMENTS
Summer and Winter Fallow - Before sowing	Refer to label of the glyphosate product (such as Ripper™ 480, Roundup®, Roundup CT®, PowerMax®, Touchdown® or Touchdown HiTech®)	37.5 mL/ha plus a glyphosate product at its recommended label rate	Addition of GoalTender Herbicide to glyphosate products will improve knockdown and increase the speed at which treated weeds develop visible symptoms of phytotoxicity (compared to results achieved with glyphosate applied alone) and give control of annual nettles, (<i>Urtica</i> sp.), barley grass, Paterson’s curse, small-flowered mallow and storksbill. For rates of glyphosate, refer to the appropriate label. Read and follow all label directions. See SAFE SOWING INTERVALS section of this label.
Fruit & nut trees, vines including: Grapevines, Olive trees, Pome fruit (eg. apple, pear, nashi, quince), Stone fruit (eg. apricot, cherry, nectarine, peach, plum) Tree nuts (eg. almond, macadamia, pecan, walnut)	Refer to label of the glyphosate product (such as Ripper 480, Roundup, Roundup CT, PowerMax, Touchdown or Touchdown HiTech)	37.5 mL/ha plus a glyphosate product at its recommended label rate	Addition of GoalTender Herbicide to glyphosate products will improve knockdown and increase the speed at which treated weeds develop visible symptoms of phytotoxicity (compared to results achieved with glyphosate applied alone) and give control of annual nettles, (<i>Urtica</i> spp.), barley grass, Paterson’s curse, small-flowered mallow and storksbill. For rates of glyphosate, refer to the appropriate label. Read and follow all label directions. DO NOT apply the tank mix of glyphosate and GoalTender near trees or vines less than 3 years old unless they are effectively shielded from spray and spray drift.
	Refer to label of the paraquat or diquat/paraquat products (such as Spray.Seed® or Tryquat® 200)	125 mL/ha plus a paraquat or diquat/paraquat product at its recommended label rate	Addition of GoalTender Herbicide in a tank mix with a paraquat or diquat/paraquat product will improve control of small flowered mallow, evening primrose and other weeds sensitive to GoalTender Herbicide. For the rate of the paraquat or diquat/paraquat product, refer to the appropriate label. Read and follow all label directions.

2. GoalTender Herbicide applied to weed-free soil or weeds at seedling stage

CROP OR SITUATION	WEEDS CONTROLLED	WEED or CROP STAGE	RATE	CRITICAL COMMENTS
Brassica Crops; Broccoli Cabbages Cauliflower	Refer to Weeds Controlled list	Weed free soil (prior to crop transplanting)	0.75 - 1 L/ha	Apply GoalTender Herbicide to prepared ground 4 to 7 days prior to transplanting . If soil is dry, irrigation or rainfall is required prior to transplanting for activation of GoalTender Herbicide. Utilise transplanting techniques which cause minimal soil disturbance. Excessive soil disturbance will lessen herbicidal activity. Use the higher rate in situations where weed pressure is known to be heavy.
Coffee (after transplanting or under established bushes)	Refer to Weeds Controlled list	Weed free soil	1-2 L/ha	Use the higher rate where longer residual activity (up to 4 months) is required.
		Weeds at the 2 to 4 true leaf stage		When seedlings are present, apply as a tank mix with paraquat to give both knockdown and residual control. A non-ionic surfactant should be used in the spray mixture at its recommended rate. Apply as a directed spray to avoid contact with coffee plants. Mature, established weeds must be eliminated by mechanical or chemical means prior to application.
Duboisia (after transplanting of young seedlings or after harvest of mature plants)	Refer to Weeds Controlled list (best results are achieved when applied to moist soil free of weeds)	Weed free soil	2 or 4 L/ha	Use the higher rate where longer residual control (up to 6 months) is required. An "over-the-top" application will be tolerated.
		Weeds at the 4 to 6 true leaf stage		Recently germinated small seedling grasses and broadleaf weeds (4 to 6 true leaves) will be controlled with these rates. Established larger weeds must be eliminated by mechanical or chemical means prior to application of GoalTender Herbicide. Add a non-ionic surfactant at its recommended rate to enhance activity.
Forestry Plantations: <i>Eucalyptus</i> spp. and <i>Pinus</i> spp. (either before or preferably within 4 weeks of transplanting)	Refer to Weeds Controlled list	Weed free soil (either before or preferably within 4 weeks of transplanting).	1.5 or 2 L/ha	Under weed-free conditions, apply as a directed or "over-the-top" spray. Disturbance of the herbicidal barrier on the soil surface at transplantation may reduce the length of weed control. If weed seedlings are present, apply as an "over-the-top" spray. In either situation, use the higher rate for longer residual control. GoalTender Herbicide can be applied in a tank mix with simazine to extend the spectrum and length of weed control. DO NOT use this tank mix in Eucalyptus plantations grown on sands, with no clay or organic matter. The likelihood of foliar damage to trees (especially eucalypts) will increase if applied to foliage that has not hardened off and/or if the temperature exceeds 20°C. However GoalTender Herbicide is generally regarded as safe to commonly planted forestry species but the sensitivity of less common species should be tested on small areas before a large-scale application is made.
		Weeds at the 4 to 6 true leaf stage		
Forestry Trees	Broadleaf weeds and grasses	Weeds at the 4 to 6 true leaf stage	2 L/ha or 2 mL/10 m ²	For the establishment of trees for approved farm practices such as wind breaks, erosion control, woodlots and forestry plantings. When applying as a post-plant spray, ensure spray is directed to the base of seedlings, or that seedlings are protected. Do not apply under hot or windy conditions.

Pyrethrum; - as bare rooted transplants or seedlings	Refer to Weeds Controlled list (except chickweed)	Pre-plant incorporated into weed free soil worked to a fine tilth	2 or 3 L/ha	Apply prior to final soil preparation. The preferred implements for final soil preparation would be either a multiple tyne cultivator or rotary harrows. Use the 3 L/ha rate for heavy black clay soils only (as found in the Derwent and Coal River Valleys, Tasmania). GoalTender Herbicide will not provide consistent control of chickweed.
- more than 4 leaf stage	Blackberry nightshade, Cleavers, Field bindweed, Fumitory, Groundsel, Sorrel, Volunteer potato, Wireweed	Emerged weeds present	50-75 mL/ha	
- established crops, >1 yr old	as above, plus Sow thistle, Spear thistle		100 mL to 2 L/ha	Apply when pyrethrum is > 10 cm rosettes. Apply rates of more than 1L/ha ONLY between 1 st February and 31 st March. DO NOT apply later than 25 weeks before harvest.
Tobacco	Refer to Weeds Controlled list	Weed free soil	2 L/ha	Use to control weeds along spray lines only. DO NOT apply to tobacco crop. Apply to soil after solid-set irrigation system has been laid out in the field. GoalTender Herbicide should be applied to a moist soil. Where very small weeds (2-3 leaf) emerge prior to spraying, the addition of a non-ionic surfactant to the spray mixture is necessary for effective control. Should the weeds be more advanced, the addition of 2 L/ha of Tryquat 200 is required. Avoid spray drift.
Trees (Fruit & Nut) and Vines at least 3 years old as a dormant application, including: Grapevines, Olive trees, Pome fruit (eg. apple, pear, nashi, quince), Stone fruit (eg. apricot, cherry, nectarine, peach, plum) Tree nuts (eg. almond, macadamia, pecan, walnut)	Refer to Weeds Controlled list	Weed free soil	1.5 or 2 L/ha	DO NOT apply GoalTender Herbicide once bud swell has occurred. Apply to freshly cultivated weed free soil. Use the higher rate when longer residual control is required (up to 4 months). Where grass weeds are expected to be a major problem, or when control of a wider weed spectrum is required, mix the lower rate with 4.5 L/ha of an oryzalin (500 g/L) product or 4.5 kg/ha of a napropamide (500 g/kg) product. Refer to product labels for crops, rates states and weeds controlled and follow all label directions.
		Emerged weeds present (4-6 leaf stage)		DO NOT apply GoalTender Herbicide once bud swell has occurred. Use the higher rate when longer residual control is required (up to 4 months). When young seedling grasses and/or broadleaf weeds are present, apply as a tank mix with glyphosate or paraquat or diquat/paraquat to obtain both knockdown and residual control. A non-ionic surfactant such as BS-1000 should be used at 0.1%v/v. Read and follow all label directions. Where weed growth is large and dense, weeds must be eliminated prior to application of GoalTender Herbicide, using chemical or mechanical means. Macadamias: Apply in 250 to 500 L water/ha. Apply after harvest to prevent spray contacting nuts. Avoid spray contact with the foliage and stem. DO NOT apply to nuts on the ground.

Tropical and sub-tropical fruit crops (inedible peel), including: Avocado, Cherimoya, Custard apple, Durian, Feijoa, Guava, Jackfruit, Kiwifruit, Longan, Lychee, Mango, Mangosteen, Papaya, Passionfruit, Persimmon, Rambutan Star apple.	Refer to Weeds Controlled list	Weed free soil	2 L/ha	Best results are obtained when applied to moist weed free soil and followed by rainfall or irrigation.
		Emerged weeds present		If weeds are present, GoalTender Herbicide should be applied as a tank mix with recommended rates of glyphosate or paraquat or diquat/paraquat. Read and follow all label directions.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THE LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

GENERAL INSTRUCTIONS

Weeds Controlled List:

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

* When mixed with a glyphosate product at its recommended rate.

GoalTender Herbicide is a selective herbicide for the control of certain annual grasses and broadleaf weeds in dormant apples, grapes, peaches, pears, plums, apricots, almonds, macadamia, duboisia, tobacco, coffee, pyrethrum, winter cereals, topical/subtropical crops, brassicas, onions, *Eucalyptus* and *Pinus* spp. and other forestry trees, applied either to weed free soil or to seedling weeds up to the 4-6 true leaf stage.

GoalTender Herbicide applied to well prepared, weed free soil should not be disturbed or incorporated after application. Weed control for up to 6 months can be expected with high label rates, but spot treatment of escape weeds or perennial grasses may be necessary with knockdown herbicides. When GoalTender Herbicide is applied to seedling weeds at the 4 to 6 leaf stage, a non-ionic surfactant such as BS-1000 should be added at recommended rates to improve activity, where suggested in the CRITICAL COMMENTS.

GoalTender Herbicide can also be used at low rates as a 'spike' to improve the weed spectrum of knockdown herbicides such as glyphosate and paraquat or diquat/paraquat mixtures.

TIMING

Residual control

For optimum residual weed control, GoalTender Herbicide should be applied to the soil surface prior to weed emergence after all other agricultural operations, such as mechanical cultivation and re-shaping of irrigation furrows, have been completed. The area should be left undisturbed during the time period of desired weed control. When applied to seedling weeds, they should be young and actively growing. Weed control for up to 6 months can be expected with high label rates, but spot treatment of escape or perennial grasses may be necessary with knockdown herbicides.

Post-emergence weed control

For optimum post-emergence weed control, GoalTender herbicide + glyphosate tank mixes should be applied to small seedling weeds up to 4-6 true leaf stage. Use of a non-ionic surfactant such as BS-1000 is recommended to improve activity. Weeds should be actively growing and free from environmental stress (drought, cold, insect attack, nutrient deficiency). Cultivation after treatment and prior to or at planting is beneficial for final fallow weed control.

MIXING

Shake well before use. When using GoalTender Herbicide alone, fill the spray tank at least $\frac{1}{3}$ full with clean water and add the recommended amount of GoalTender Herbicide while the pump and agitator are running, then complete filling the spray tank. A non-ionic surfactant, if required by label directions, should be added near the end of the filling process to minimise foaming.

If tank mixing with oryzalin (500 g/L) or napropamide, add the product to a $\frac{1}{3}$ filled tank and then add GoalTender Herbicide during the filling operation. Maintain agitation during mixing and until spraying is completed. When tank mixing with glyphosate formulations, paraquat, diquat or paraquat/diquat, add these after GoalTender Herbicide during the filling operation.

GoalTender Herbicide + Glyphosate tank mixes

Ensure thorough agitation when mixing, filling the spray tank and during application, irrespective of glyphosate formulation used. Follow recommended order and directions for tank mixing GoalTender and glyphosate. Use all spray mix immediately after preparation.

- DO NOT tank mix GoalTender Herbicide and glyphosate without agitation.
- DO NOT allow mix to stand unagitated.
- DO NOT store GoalTender Herbicide and glyphosate tank mixes.
- DO NOT mix other agrochemical products with GoalTender and Roundup PowerMax tank mixtures.

APPLICATION

Spray equipment should be calibrated carefully before use.

GoalTender Herbicide should be applied uniformly with an accurately calibrated, low pressure herbicide sprayer, as a directed treatment to the base of tree and vine crops using flat fan or hollow cone nozzles. Complete coverage of seedling weeds is required for maximum knockdown effect. Ensure both weed foliage and the soil surface are sprayed.

Apply using a vehicle mounted boom, calibrate to deliver a droplet spectrum classification defined as medium by the ASAE Standard S572, using water volume of 250 to 500 litres per hectare for bare soil or 100 to 1350 litres per hectare when seedling weeds (4 to 6 leaf stage) are treated. Use the higher volumes where weed density is high.

Tank mixtures of 37.5 mL/ha of GoalTender Herbicide with glyphosate herbicides should be applied in 30 to 200 litres spray volume per hectare. For maximum residual control, GoalTender Herbicide should NOT be incorporated or disturbed after application.

CROP SAFETY

GoalTender Herbicide may be applied as a directed and/or shielded spray around dormant peach, plum, apricot, almond, apple and pear trees and grapevines of all ages when applied at rates of less than 500 mL/ha. When applied at 1.5 L/ha and above, the trees and grapevines should be at least 3 years of age. **DO NOT** apply GoalTender Herbicide once budswell has occurred when using rates greater than 500 mL/ha. Duboisia seedlings and mature plants will tolerate "over-the-top" applications of GoalTender Herbicide.

SAFE SOWING INTERVALS

GoalTender Herbicide at up to 37.5 mL/ha may be safely applied 1 day prior to planting broadacre crops such as cereals (wheat, barley, oats, triticale), canola, pulses (lupins, faba beans, field peas) and undersown pastures (lucerne, clover, medics, ryegrass, phalaris, cocksfoot) and 7 days minimum prior to planting cotton or soybeans, provided minimum tillage planting equipment is used with minimal soil disturbance. Inversion, mixing of surface soil with that in the planting zone or covering seed with treated soil may result in injury to emerging crop seedlings. **Avoid covering the seed with soil treated with GoalTender Herbicide during the planting operation to minimise crop injury.**

GoalTender Herbicide has residual soil activity, especially when applied at rates greater than 37.5 mL/ha and on small-seeded horticultural crops. Plantback intervals in the following table for horticultural crops must be observed if more than 37.5 mL/ha GoalTender Herbicide has been applied.

Safe Sowing Intervals for Horticultural Crops (Days)

GoalTender Herbicide rate	Up to 37.5mL /ha	500mL /ha
Beans	7	60
Brassicas	14	90
Capsicums	14	90
Carrots	14	90
Cucurbits	14	60
Lettuce	14	90
Onions	21	180
Potatoes	7	60
Tomatoes	14	60

COMPATIBILITY

GoalTender Herbicide is compatible with glyphosate products (with agitation), oryzalin (500 g/L), diquat, paraquat, paraquat/diquat and Basta®.