

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Odessa Herbicide

ACTIVE CONSTITUENT: 100 g/kg IODOSULFURON-METHYL-SODIUM

GROUP	2	HERBICIDE
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**For Post-Emergent Control of Certain Broadleaf and Grass Weeds
in Turf**

IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT

APVMA Approval No.: 86481/141070



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DIRECTIONS FOR USE

Restrains

- DO NOT** apply by air or through any type of irrigation equipment
- DO NOT** apply to turf which is under stress or which is not yet established
- DO NOT** use if rain is expected within 4 hours
- DO NOT** use on golf or bowling greens
- DO NOT** make more than 1 application of a group 2 herbicide in a season except for Bahia grass - refer to Directions for Use table for Bahia grass.

Spray Drift Restraints

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to desirable species, native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zone in the relevant buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a MEDIUM spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas are observed (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers').

Buffer zones for boom sprayers

Application rate	Mandatory buffer zones
	Vegetation areas
Up to 150 grams per hectare	40 metres

Situation	Weeds Controlled	Rate	Critical Comments
<p>Established turf as listed:</p> <p>Only apply to;</p> <p>Kikuyu (<i>Cenchrus clandestinus</i>) [Synonym: <i>Pennisetum clandestinum</i>],</p> <p>Buffalo grass (<i>Stenotaphrum secundatum</i>),</p> <p>Couch, Common (<i>Cynodon dactylon</i>),</p> <p>Couch, Hybrid (<i>Cynodon dactylon</i> x <i>Cynodon transvaalensis</i>),</p> <p>DO NOT apply to Queensland Blue Couch</p>	Ryegrass, perennial (<i>Lolium perenne</i>)	150 g per ha (1.5 g per 100 m ²)	Apply to actively growing weeds and not to weeds under stress. Always apply with a non-ionic surfactant or Hasten® at the recommended rate on the surfactant product label.
	Bindii (<i>Soliva sessilis</i>), Black thistle (<i>Cirsium vulgare</i>), Cat's ear (<i>Hypochoeris radicata</i>), Cotula (<i>Cotula australis</i>), Cudweed (<i>Gnaphalium</i> sp.), Guildford Grass (Onion Grass) (<i>Romulea rosea</i>), Medic (<i>Medicago</i> spp.), Mouse ear chickweed (<i>Cerastium vulgatum</i>), Oxalis (<i>Oxalis corniculata</i>), White Clover (<i>Trifolium repens</i>)	100 g per ha (1 g per 100 m ²)	Use a water rate of 200 - 500 L per ha (2 to 5 L per 100m ²). Avoid exceeding application rates through overlapping sprayed areas. Safety screening may not have been conducted on all new Buffalo grass varieties and it is therefore recommended that small areas be tested for turf safety before large-scale application occurs.
	False onion weed / Fragrant false garlic / Onion weed (<i>Nothoscordum gracile, fragrans or borbonicum</i>)	25 g per ha (0.25 g per 100m ²)	For suppressed weed species, better efficacy can be expected against younger weed plants. Less than 50% control can be expected where more mature plants are established.
	Winter grass (<i>Poa annua</i>) SUPPRESSION ONLY	150 g per ha (1.5 g per 100m ²)	
	Bahia Grass (<i>Paspalum notatum</i>) SUPPRESSION AND SEED HEAD REDUCTION	50 g per ha (0.5 g per 100m ²)	Apply during summer when turf is actively growing and Bahia grass produces seed heads. Always apply with a non-ionic surfactant or Hasten® at the recommended rate on the surfactant product label. Apply as soon as seed heads start to form or when it becomes a regular mowing intervention issue. Apply 2 to 3 times at 4-week intervals after mowing. DO NOT apply more than 3 consecutive applications per season.

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

WITHHOLDING PERIODS

DO NOT graze treated turf or feed turf clippings from any treated area to poultry or livestock.
DO NOT use clippings from treated areas for mulch around vegetables or fruit trees.

GENERAL INSTRUCTIONS

Odessa Herbicide is a selective sulfonylurea herbicide. It is predominantly a foliar herbicide with less activity via the soil. Odessa Herbicide will not reliably control weeds that emerge after spraying. Results are best under good growing conditions and application to weeds or turf under stress should be avoided.

Mixing

Ensure that the spray tank is completely clean prior to mixing. Half fill the spray tank with water, then with agitators in motion, add the correct amount of Odessa Herbicide directly into the spray tank. Then add wetting agent or crop oil as recommended. Complete filling the tank with agitators in motion.

Agitation must continue before and during spraying.

If pH of water carrier is less than 5.5 use a buffer solution to raise pH to 7.

DO NOT mix Odessa Herbicide with acid forming compounds in the spray vat.

DO NOT leave spray mix standing in the spray vat overnight.

Application

Ensure spraying equipment is properly calibrated before use. Ensure that complete and even spray coverage of all weeds is achieved. DO NOT overlap sprayed areas. Apply with the boom no higher than 50 cm above the turf with flat fan nozzles and a medium droplet size.

Turf Safety

Application to very dry sandy soils followed by soaking rainfall may cause turf damage. Turf damage may also be increased in highly alkaline soils (soil pH >8.5 as determined by soil in water suspension). Avoid application on turf which is not yet established or which is under stress from environmental conditions.

Allow at least 6 weeks between the last application and over-seeding with cool season grasses for winter cover.

Compatibility

To avoid hydrolysis, Odessa Herbicide needs the spray tank water to be pH 7 or above. Odessa Herbicide is rapidly broken down in acidic conditions. Avoid tank mix partners that have potential to acidify the mixture (i.e. some fertilisers). DO NOT mix with products or fertiliser with high salt content, i.e. ferrous sulphate or ammonium sulphate.

As formulations of other manufacturers' products are beyond the control of Turf Culture, all mixtures should be tested prior to mixing commercial quantities, compatibility testing should consist of assessing both; uniformed mixtures (i.e. no separation) and no rapid sediment build up (i.e. no flocculation).

Sprayer Clean Up

The sprayer must be thoroughly decontaminated before being used again to spray susceptible plants or turf. Ensure that the following operation is carried out in an area that is clear of waterways, desirable vegetation and tree roots, and preferably in an area where drainings can be contained.

1. Drain sprayer completely and wash out tank, boom and hoses with clean water.
2. Drain again.
3. Fill the tank with clean water and add 300 mL of chlorine bleach (containing 4% chlorine) per 100 L of water with agitation running.
4. Flush some bleach solution through booms and hoses and allow remainder to agitate in tank for 10 minutes.
5. Remove nozzles and filters and leave to soak in a bleach solution of 500 mL per 10 L of water while tank cleaning is in progress.
6. Briefly run the pump at periodic intervals to refresh chlorine.
7. Drain tank and repeat the procedure of flushing with bleach solution.
8. Flush the tank, boom and hoses with clean water.

Application Records

Users of this product MUST make an accurate written record of the details of each spray application within 24 hours following application and keep this record for a minimum of 2 years. The spray application details to be recorded are:

1. Date, with start and finish times of application.
2. Location / address of area(s) sprayed.
3. Full name of the product, product batch number (BN) and date of manufacture (DOM).
4. Amount of product used per hectare and the number of hectares treated.
5. Turf species/situation and weed(s).
6. Wind speed and direction during application.
7. Air temperature and relative humidity during application.
8. Spray irrigation or rainfall after application, start time, duration and amount (mm).

9. Equipment used; nozzle brand, type, spray angle, operating pressure and total water volume applied per hectare.
10. Name of person applying this product.
(Additional record details may be required by the State or Territory where this product is used)

RESISTANCE WEEDS WARNING

GROUP	2	HERBICIDE
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Odessa Herbicide is a member of the sulfonylurea group of herbicides and has the ALS Inhibitor mode of action. For weed resistance management, this product is a Group 2 herbicide. Some naturally occurring weed biotypes resistant to Odessa Herbicide and other Group 2 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 resistant weeds will not be controlled by Odessa Herbicide or other Group 2 herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Turf Culture accepts no liability for any losses that may result from the failure of Odessa Herbicide to control the resistant weeds. Advice as to strategies and alternative treatments that can be used should be obtained from your local farm chemical supplier, consultant, local Department of Agriculture, Primary Industries Department or a Turf Culture representative.

PRECAUTIONS

Mowing

Avoid mowing during the 3 to 4 days before and after treatment.

Re-entry Period

DO NOT allow entry into treated areas until the spray has dried.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Very toxic to aquatic plants and certain algae. 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.

DO NOT replant any crop or ornamental to treated areas other than the turf grass listed in the 'Directions for Use' for a period of 12 months after application.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Keep people and pets off treated areas until spray deposits have dried. DO NOT contaminate streams, rivers or waterways with this product or used containers. DO NOT apply if heavy rain is forecast.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging 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 and tree roots, in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

Will irritate the eyes. Avoid contact with eyes. When opening the container and preparing spray wear elbow length PVC gloves and goggles. If product in eyes wash it out immediately with water. Wash hands after use. After each day's use wash gloves and goggles.

FIRST AID INSTRUCTIONS

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

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS), which is available from the supplier or from the manufacturer's website: www.turfculture.com.au

CONDITIONS OF SALE

The use of Odessa Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Turf Culture regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Turf Culture accepts with no responsibility for any consequences whatsoever resulting from the use of this product.

In a Transport Emergency Dial 000 Police or Fire Brigade