

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



# Bow & Arrow Herbicide

**ACTIVE CONSTITUENTS:** 20 g/L CLOPYRALID present as the potassium salt  
15 g/L DIFLUFENICAN  
300 g/L MCPA present as the potassium salt

<b>GROUP</b>	<b>F</b>	<b>I</b>	<b>HERBICIDE</b>
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**For the Control of Certain Broadleaf Weeds in Turf  
as specified in the Direction for Use**

**IMPORTANT: READ THIS LEAFLET BEFORE USE**

APVMA Approval No.: 64580/114760



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## DIRECTIONS FOR USE

### Restraints

**DO NOT** apply if weeds or turf are under stress or when frosts are imminent.

**DO NOT** use if rain is expected within 4 hours.

**DO NOT** use clippings as mulch around other plants or for composting.

**DO NOT** use on Bent grass or Winter grass golf and bowling greens.

Situation	Weeds Controlled	Rate	Critical Comments
Turf	Broadleaf weeds including;  White Clover ( <i>Trifolium repens</i> ), Plantain ( <i>Plantago lanceolata</i> ), Capeweed ( <i>Arctotheca calendula</i> ), Cat's ear ( <i>Hypochoeris radicata</i> ), Bindii (Jo-Jo, Onehunga) ( <i>Soliva sessilis</i> ), Cudweed ( <i>Gnaphalium spp.</i> ), Creeping oxalis ( <i>Oxalis corniculata</i> )	5 L in 200 - 500 L water/ha  or  50 mL in 2 - 5 L water per 100m <sup>2</sup>	Apply to actively growing weeds. Transient discolouration may occur on Kikuyu, Carpet grass and Queensland Blue Couch.  Varietal differences in certain Buffalo grasses (e.g. ST85) may produce more pronounced effects and it is recommended that small areas be tested for turf safety before large-scale application occurs. Avoid exceeding application rates through overlapping sprayed areas. Use a surfactant for difficult to wet weeds.

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

### WITHHOLDING PERIOD

**DO NOT** graze treated turf or feed turf clippings from any treated area to poultry or livestock.

### GENERAL INSTRUCTIONS

For best results the turf and weeds should be actively growing at the time of treatment.

Complete weed death may take up to 6 weeks. Faster results can be expected on smaller weeds.

Due to residual effects of diflufenican over-seeding treated areas within 3 months of application may inhibit establishment of the turf grass.

### Mixing

Shake original container before use. Agitate continuously to ensure thorough mixing before and during application. Only mix sufficient chemical for each day's work.

### Surfactants

Surfactants (if used) should be added after Bow & Arrow Herbicide and water are mixed when the spray-tank is almost full.

### Mowing

Avoid mowing during the 3 to 4 days preceding or following treatment.

### Compatibility

To avoid hydrolysis, Bow & Arrow Herbicide needs the spray tank water to be within a pH range of 5 - 8. No information is available that indicates physical compatibility with other products. Tank-mixing other products with Bow & Arrow Herbicide cannot therefore be recommended. As formulations of other manufacturers' products are beyond the control of Turf Culture Pty Ltd, 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).

### CLEANING SPRAY EQUIPMENT

THOROUGHLY CLEAN ALL APPLICATION EQUIPMENT AFTER USE. Rinse water should be discharged onto a designated disposal area or if unavailable onto unused land away from desirable plants and water-courses.

**Partial Cleaning** (before spraying tolerant turf)

After using Bow & Arrow Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the tank with a pressure hose. Quarter fill the tank with clean water and circulate through the pump, line, hoses and nozzles. Drain and repeat procedure twice.

**Complete cleaning** (before spraying susceptible plants)

After using Bow & Arrow Herbicide empty the tank completely and drain the whole system. Thoroughly wash inside the tank with a pressure hose. Quarter fill the tank with clean water and circulate through the pump, line, hoses and nozzles, then drain.

Quarter fill the tank again and add an alkaline detergent at 500 mL/100 L water and circulate through the system for at least 15 minutes. Drain, remove filters and nozzles and clean separately. Rinse inside the tank thoroughly using a pressure hose and flush system with clean water.

**RESISTANCE WARNING**

<b>GROUP</b>	<b>F</b>	<b>I</b>	<b>HERBICIDE</b>
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Bow & Arrow Herbicide is a member of the nicotinanilide, phenoxy and pyridine groups of herbicides. Bow & Arrow Herbicide has the process of inhibitors of carotenoid biosynthesis and disruptor of cell growth modes of action. For weed resistance management Bow & Arrow Herbicide is a group F and I herbicide.

Some naturally occurring weed biotypes resistant to Bow & Arrow Herbicide and other Group F and I 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 Bow & Arrow Herbicide or other Group F or I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Turf Culture Pty Ltd accepts no liability for any losses that may result from the failure of Bow & Arrow Herbicide to control resistant weeds.

**PRECAUTIONS**

**Manual Handling of turf:** Hand-weeding and transplanting should not be performed before 2 weeks after spray application, unless workers wear overalls (or equivalent clothing) and chemical resistant gloves.

**Re-Entry Statement**

DO NOT allow entry into treated areas until the spray has dried. When prior entry is necessary wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

**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. Spray drift from Bow & Arrow Herbicide application may cause injury to herbaceous plants, vegetables, fruit crops, vines, ornamentals and trees.

DO NOT use clippings from treated areas for mulch around vegetables or fruit trees.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

Dangerous to fish and other aquatic life. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

**STORAGE AND DISPOSAL**

Store in the closed, original container in a dry, cool, well-ventilated area, out of 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 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 and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

**SAFETY DIRECTIONS**

Harmful if swallowed. Will damage eyes. Will irritate skin. Avoid contact with eyes and skin. When opening the container, preparing the spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves and goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each days use wash gloves, goggles and contaminated clothing.

**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](http://www.turfculture.com.au)

**CONDITIONS OF SALE**

The use of Bow & Arrow Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Turf Culture Pty Ltd 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 Pty Ltd 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