

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

# CHATEAU®

HERBICIDE

ACTIVE CONSTITUENT: 500g/kg FLUMIOXAZIN

GROUP **G** HERBICIDE

**For the residual control of various grass and broadleaved weeds in vineyards and orchards;  
for enhanced knockdown and residual weed control in irrigation channel banks  
and drainage ditches, as per the Directions for Use tables.**

## DIRECTIONS FOR USE

### RESTRAINTS (apply to all use patterns)

**DO NOT** apply by air.

**DO NOT** apply by misting machines.

**DO NOT** disturb treated soil surface after application as this may remove CHATEAU Herbicide.

**DO NOT** treat weeds under poor growing or dormant conditions (such as occur in drought, waterlogging, disease, insect damage or following frosts) as reduced control may result. Weeds should be actively growing at time of treatment.

**DO NOT** apply in high pH water (pH >7).

**DO NOT** allow the spray mix to stand overnight.

**DO NOT** irrigate up to the point of runoff for at least 3 days after application.

### SPRAY DRIFT RESTRAINTS

**DO NOT** apply with spray droplets smaller than a COARSE spray droplet size category according to 'APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories' located under this title in the GENERAL INSTRUCTIONS section of this label.

**DO NOT** apply when wind speed is less than 3 or more than 20 kilometres per hour, as measured at the application site.

**DO NOT** apply during surface temperature inversion conditions at the application site.

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application, and must **KEEP** this record for at least 2 years. The spray application details that must be recorded are:

1 date with start and finish times of application 2 location address and paddock(s) sprayed 3 full name of this product 4 amount of product used per hectare and number of hectares applied to 5 crop or situation and weed or pest 6 wind speed and direction during application 7 air temperature and relative humidity during application 8 nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application 9 name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used.)

## 1. WINE AND TABLE GRAPES, POME FRUIT, STONE FRUIT, CITRUS FRUIT, NUT TREE CROPS, OLIVES, AVOCADOS AND BERRIES

### Table A. CHATEAU Herbicide applied for residual control in vineyards and orchards.

#### RESTRAINTS (additional)

**DO NOT** apply for residual weed control until the start of the main rain season when significant soil wetting rain has occurred and more rain (at least 15mm) is likely within one week, or the soil can be irrigated within one week with sprinklers or microjets that cover the entire sprayed area. Dripper irrigation will not give adequate incorporation.

**DO NOT** apply in areas prone to strong winds or to powdery soils or soils that are susceptible to wind displacement unless sprinkler or microjet irrigation can be applied immediately after application to cover the entire sprayed area.

**DO NOT** apply to apples, pears and stone fruit in the period between bud break/green tip and final harvest. Only apply to dormant trees.

**DO NOT** apply to berries, grapes, citrus and olives in the period between flowering and final harvest.

**DO NOT** apply to berries, grapes, citrus, olives, nut trees and avocados during the period after bud break, unless using shielded application equipment and applicator can ensure spray drift will not come in contact with crop fruit or foliage. Shielded applications during this time period should not be made with glyphosate or products containing glyphosate.

**DO NOT** apply unless trees and vines have low branches removed to prevent contact with the spray.

**DO NOT** operate machinery such as mowers and sprayers that may blow treated dust onto leaves and fruitlets until at least 15mm of sprinkler or microjet irrigation has been applied to the entire sprayed area or 15 mm of rain has fallen.

**DO NOT** mow the treated area between application and final harvest unless the operator can ensure that any dust from mowing will not drift on to foliage and fruit. Raising the mower height will reduce this risk.

**DO NOT** apply to farm roads or tracks where vehicle traffic may result in treated dust settling on to foliage and fruit.

**DO NOT** apply to berries, grapes, fruit or nut trees established in the vineyard/orchard for less than 1 year.

**DO NOT** apply on bark that is still green.

**DO NOT** use in vineyards or orchards where the fruiting buds are below 40 cm above the soil.

**DO NOT** apply to grapes that are not trellised or staked unless they are free standing.

**DO NOT** apply for residual control if a large population of big weeds is present or large amounts of trash - as these may prevent the chemical reaching the soil. Application over light trash should be followed by at least 15mm of rain or sprinkler/microjet irrigation over the entire sprayed area within 12 hours to ensure good incorporation.

**DO NOT** replant dead trees, vines or bushes within 12 months of an application unless the top 3cm of soil from a 0.5m radius around the tree/vine/bush to be replaced is removed before the hole is dug. Then ensure when planting not to get any of this surface soil into the hole or up against the newly planted tree/vine/bush.

**DO NOT** apply more than 2 applications of 700g in one year.

CROP SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
<b>Grapevines</b> <b>Pome fruit</b> <b>Stone fruit</b> <b>Citrus fruit</b> <b>Tree nuts</b> <b>Olives</b> <b>Avocados</b> <b>Blueberries</b>  For residual control of broadleaf weeds and grasses	Annual ryegrass ( <i>Lolium rigidum</i> ) Barnyard grass ( <i>Echinochloa colona</i> ) Blackberry nightshade ( <i>Solanum nigrum</i> ) Bluetop ( <i>Ageratum houstonianum</i> ) Capeweed ( <i>Arctotheca calendula</i> ) Crassula ( <i>Crassula colorata</i> ) Creeping speedwell ( <i>Veronica persica</i> ) Crowsfoot ( <i>Eleusine indica</i> ) Dwarf nettle or stinging nettle ( <i>Urtica urens</i> ) Fat Hen ( <i>Chenopodium album</i> ) Feathertop Rhodes grass ( <i>Chloris virgata</i> ) Fleabane ( <i>Conyza bonariensis</i> ) Green summer grass ( <i>Brachiaria subquadripara</i> ) Hog weed ( <i>Polygonum aviculare</i> ) Marshmallow ( <i>Malva parviflora</i> ) Milk thistle ( <i>Sonchus oleraceus</i> ) Pigweed ( <i>Portulaca oleracea</i> ) Small flowered mallow ( <i>Modiola caroliniana</i> )	560 – 700g/ha	CHATEAU Herbicide needs at least 15 mm of irrigation or rain to activate, and therefore should be applied during the main rainfall period. Apply to bare soil using a directed spray at the base of the bushes, vines or tree crops.  When large weeds are present use a knockdown herbicide at the full rate, allow weeds to die back and ensure trash is minimal before application of CHATEAU Herbicide.  CHATEAU Herbicide can be applied with a knockdown herbicide over small weeds (<10 cm $\varnothing$ ).  The best application time for CHATEAU Herbicide is during the period following final harvest up to bud break.  Avoid direct or indirect spray contact to foliage, fruit, nuts and green bark (non-barked bushes or vines, with the exception of undesirable suckers).  <b>If spray droplets containing CHATEAU Herbicide are allowed to drift onto fruit or leaves, or dust from treated soil is blown on to fruit or leaves, they may cause spotting damage.</b>

CROP SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
For residual control of broadleaf weeds and grasses	Squirreltail fescue ( <i>Vulpia bromoides</i> ) Summer grass ( <i>Digitaria ciliaris</i> ) Toadrush ( <i>Juncus bufonius</i> ) Wild mustard ( <i>Sinapis arvensis</i> ) Wild radish ( <i>Raphanus raphanistrum</i> ) Wild rose ( <i>Cleome aculeate</i> ) Wild Turnip ( <i>Brassica tournefortii</i> )	560 – 700g/ha	

## 2. IRRIGATION CHANNEL BANKS AND DRAINAGE DITCHES

**Table B. CHATEAU Herbicide applied for enhanced knockdown and residual weed control in irrigation channel banks and drainage ditches.**

### RESTRAINTS (additional)

**DO NOT** apply if heavy rains or storms that are likely to cause runoff are forecast within 3 days.

**DO NOT** make more than one application per year.

CROP SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
<b>Irrigation channel banks and drainage ditches</b>	<i>Amaranthus</i> spp Balsam pear ( <i>Mormordica charantia</i> ) Barnyard grass ( <i>Echinochloa colona</i> ) Bladder ketmia ( <i>Hibiscus trionum</i> ) Bluetop/Billygoat weed ( <i>Ageratum houstonianum</i> ) Calopo ( <i>Calopogonium mucunoides</i> ) Caltrop/yellow vine ( <i>Tribulus terrestris</i> ) Crowsfoot ( <i>Eleusine indica</i> ) Feathertop Rhodes grass ( <i>Chloris virgata</i> ) Fleabane ( <i>Conyza bonariensis</i> ) Green summer grass ( <i>Brachiaria subquadripara</i> ) <i>Ipomoea</i> spp (Bell vine, Morning glory, Pink convolvulus, Star of Bethlehem) Milk/sow thistle ( <i>Sonchus oleraceus</i> ) Milkweed ( <i>Euphorbia heterophylla</i> ) <i>Phyllanthus</i> spp. Red pigweed ( <i>Portulaca oleracea</i> ) Sicklepod ( <i>Cassia obtusifolia</i> ) Summer grass ( <i>Digitaria ciliaris</i> ) Square weed ( <i>Spemacoce latifolia</i> ) Wild rose ( <i>Cleome aculeata</i> )	560 – 700g/ha	CHATEAU Herbicide needs at least 15 mm of rain to incorporate/activate, and therefore should be applied during the main rainfall period when 15 mm of rain is expected within 3 weeks. Channels must be completely empty at the time of application. If the required rain has not fallen and it is necessary to use the irrigation channel, fill it with water and allow it to stand for 24 hours then drain off the water in the channel and run to waste. If existing weeds are present at > 2 leaf stage then non-selective knockdown herbicides such as paraquat or glyphosate should be used to control these in mixtures with CHATEAU Herbicide.  For improved burndown apply with Hasten or Kwickin Spray Adjuvant at 0.5 - 1L/100L (use the lower rate on smaller, actively growing weeds), or Uptake Spraying Oil at 500 mL/100L.

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

## WITHHOLDING PERIODS:

**WINE AND TABLE GRAPES, POME FRUIT, STONE FRUIT, CITRUS FRUIT, NUT TREE CROPS (EXCEPT MACADAMIA NUTS), OLIVES, AVOCADOS AND BERRIES:**

**HARVEST: DO NOT HARVEST FOR 14 WEEKS AFTER APPLICATION.**

**MACADAMIA NUTS:**

**HARVEST: DO NOT HARVEST FOR 9 WEEKS AFTER APPLICATION**

**GRAZING: DO NOT GRAZE OR CUT TREATED WEEDS FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.**

**IRRIGATION CHANNEL BANKS AND DRAINAGE DITCHES:**

**GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 8 WEEKS AFTER APPLICATION**

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## GENERAL INSTRUCTIONS

### MIXING

CHATEAU is a water dispersible granule formulation and is contained within a water soluble bag. The water soluble bags dissolve readily in water. **DO NOT** handle water soluble bags or expose to moisture because this may cause breakages. **DO NOT** touch bags with wet hands or place on wet surfaces. **DO NOT** damage foil Sachets that contain the water soluble bags. Protect unused Sachets by keeping them in the original container. Open Sachets only as needed.

To ensure even mixing, half-fill the spray tank with clean water. Tear open the necessary number of sachets and drop the water soluble bags contained in them into the spray tank **without touching the bags**. Keep the agitation system engaged. Mix thoroughly until fully dissolved. Add the knockdown herbicide and remaining water. Mix thoroughly. Add spray additive near the end of the filling process to minimize foaming. Always maintain adequate agitation during application and use the tank mix promptly.

### APPLICATION

1. WINE AND TABLE GRAPES, POME FRUIT, STONE FRUIT, CITRUS FRUIT, NUT TREE CROPS, OLIVES, AVOCADOS AND BERRIES

A: CHATEAU Herbicide applied for residual control in vineyards and orchards (Table A).

Apply in a minimum of 250 L spray solution per hectare.

Refer to the Directions for Use and General Instructions of the knockdown herbicide label.

2. IRRIGATION CHANNEL BANKS AND DRAINAGE DITCHES

B: CHATEAU Herbicide applied for enhanced knockdown and residual weed control in irrigation channel banks and drainage ditches (Table B).

Apply in a minimum of 200 L spray solution per hectare.

Refer to the Directions for Use and General Instructions of the knockdown herbicide label.

As CHATEAU is a contact herbicide, coverage is important.

Performance of CHATEAU Herbicide as a knockdown or with a partner on weeds may be reduced with large droplets and poor coverage.

Air induction nozzles that deliver coarse droplets at high travelling speeds, low pressure and low water rates may reduce coverage and herbicide performance.

Air induction nozzles can produce variable results when used with oil.

**DO NOT** use air induction nozzles with a spray oil such as Hasten.

Best results with CHATEAU Herbicide are achieved with coarse droplets produced by wide angle flat fan or twin jet nozzles.

If the partner herbicide requires coarse droplets, then ensure high water volumes >200 L/ha are used.

### SPRAYER CLEANUP

When cleaning spraying equipment, wear cotton overalls buttoned to the neck and wrist and elbow-length chemical resistant gloves.

After CHATEAU is applied the following steps must be taken to clean the spray equipment.

1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.
2. Fill the spray tank with clean water and flush all hoses, booms, screens and nozzles.
3. Add 1 litre of 3% household ammonia for every 100 litres of water, circulate through sprayer for five minutes, then flush all hoses, booms, screens and nozzles for a minimum of fifteen minutes.

4. Drain tank completely.
5. Add enough clean water to the spray tank to allow all hoses, booms, screens and nozzles to be flushed for two minutes.
6. Remove all nozzles and screens and rinse them in clean water.

Equipment with CHATEAU 500WG residue remaining in the system may result in crop injury to the subsequently treated crop.

## APVMA compliance instructions for mandatory COARSE or larger droplet size categories

### Important information

These instructions inform those using this chemical product how to lawfully comply with the requirement of a COARSE or larger spray droplet size category for spray application. Spray droplet size categories are defined in the ASAE S572 Standard (newer name may also be shown as ASABE) or the BCPC guideline. Nozzle manufacturers may refer to one or both of these documents, to identify droplet size categories; however, for a nozzle to comply with this requirement, the manufacturer must refer to at least one.

Complying with the label requirement to use a specific droplet size category means using the correct nozzle that will deliver that droplet size category under the spray operation conditions being used. The APVMA has approved only the following specific methods for choosing the correct nozzle. Use one of the methods specified in these instructions to select a correct nozzle to deliver a COARSE or larger droplet size category.

USE ONLY nozzles that the nozzles' manufacturer has rated to deliver a COARSE, a VERY COARSE or an EXTREMELY COARSE droplet size category, as referenced in ASAE S572 or BCPC. Choose a nozzle that is specified to provide the droplet size category required in the label Spray Drift Restraints.

DO NOT use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the label Spray Drift Restraint.

### COMPATIBILITY

CHATEAU Herbicide is compatible with:

Glyphosate 450  
Roundup Max Herbicide by Monsanto  
Nufarm Weedmaster® DST® or Nufarm Weedmaster® Argo® Dual Salt Technology Herbicide.  
Spray·Seed 250 Herbicide  
Gramoxone Herbicide  
Hasten\*, Kwickin\* and Banjo® at 0.5-1L/100L and with Uptake\* at 0.5L/100L.

## RESISTANT WEEDS WARNING

### GROUP G HERBICIDE

CHATEAU Herbicide is a member of the N-phenyl-phthalimide group of herbicides. The mode of action of CHATEAU Herbicide is to inhibit protoporphyrinogen oxidase. For weed resistance management, CHATEAU Herbicide is a Group G Herbicide. Some naturally-occurring weed biotypes resistant to CHATEAU 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 resistant weeds will not be controlled by CHATEAU Herbicide or other Group G Herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Sumitomo Chemical Australia Pty Ltd accepts no liability for any losses that may result from the failure of CHATEAU Herbicide to control resistant weeds. Strategies to minimize the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant or local Department of Agriculture.

## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

**DO NOT** apply CHATEAU Herbicide under weather conditions (e.g. wind) or from spray equipment that may cause spray to drift onto nearby susceptible crops/plants, cropping lands or pastures.

**A 15 meter buffer must be observed between sprayed areas and any downwind adjacent vegetation.** Care should be taken to avoid damage to adjoining native grasses or grass crops.

CHATEAU Herbicide should not be applied through misting equipment or any other method likely to cause excessive drift.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

**DO NOT** contaminate streams, rivers or waterways with the product or used containers.

**DO NOT** apply CHATEAU Herbicide if wind is likely to cause drift onto natural and impounded lakes, waterways, streams or rivers.

**A 15 meter buffer must be observed between sprayed areas and downwind natural and impounded lakes, dams, waterways, streams or rivers.**

## STORAGE AND DISPOSAL

Store in a locked room or place away from children, animals, food, feedstuffs and fertilizers. Store in the closed, original container in a dry, cool well-ventilated area out of direct sunlight. **DO NOT** store in or expose product to wet conditions. Rough handling of product may cause breakage of water soluble bags, especially at low temperatures.

**DO NOT** dispose of undiluted chemicals on-site.

Break, crush or puncture sachets and containers 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.

## SMALL SPILL MANAGEMENT

Sweep up material and contain in a refuse vessel for disposal in the same manner as for containers (see Storage and Disposal).

## SAFETY DIRECTIONS

### Hazards

Poisonous if absorbed by skin contact or swallowed. Will irritate the eyes and skin.

### Precautions

Avoid contact with eyes and skin. Open sachets only as needed.

### Mixing or Using

When opening the container, preparing spray and using the prepared spray, wear cotton overalls over normal clothing, buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves and face shield.

### After Use

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and face shield and contaminated clothing.

## RE-ENTRY

**DO NOT** enter 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.

## FIRST AID

**WARNING: CONTAINS FLUMIOXAZIN WHICH CAUSES BIRTH DEFECTS IN LABORATORY ANIMALS. WOMEN OF CHILD BEARING AGE SHOULD AVOID CONTACT WITH FLUMIOXAZIN**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia Tel. 131 126; New Zealand 0800 764 766.

## SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS) obtained from Sumitomo Chemical Australia Pty Ltd.

## IMPORTANT NOTICE

These goods are to be used only for the purpose and as specified on the label, and are not suitable for any other purpose. To the fullest extent permitted by law, we do not accept or bear any liability on any basis for any loss, damage, cost or expense, arising in any way, directly or indirectly, in connection with the goods.

APVMA Approval No: 80647/119442

Batch No:

Date of Manufacture:

**THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL**

**IN A TRANSPORT  
EMERGENCY  
DIAL 000  
POLICE OR FIRE  
BRIGADE**

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