



WARNING

KEEP OUT OF REACH OF CHILDREN

ECOTOXIC

Active Ingredient:

contains 480 g/L SULFENTRAZONE in the form of a suspension concentrate.

Contents:

1 L



GROUP	E	HERBICIDE
-------	---	-----------

For control of certain broadleaved and grass weeds in Pumpkin, Buttercup squash, and Potatoes.

Registered pursuant to the ACVM Act 1997, No. P007852.

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, Approval Code HSR007872.

PLEASE READ THE LABEL COMPLETELY BEFORE USE

This product MUST NOT be used for any purpose or in any manner contrary to the controls and conditions of registration.

HAZARD Classifications: 6.1E, 6.8B, 6.9B, 9.1A, 9.2A

This product MUST be under the control of an Approved Handler during use.

WARNING: May be harmful if swallowed. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

ECOTOXIC: Very toxic to aquatic organisms. Very toxic to the soil environment.

PRECAUTIONS

Store in original container, tightly closed, away from foodstuffs.

When handling, mixing or applying the substance wear full protective clothing such as overalls, gloves and face shield. Avoid contact with skin and eyes, and inhalation of spray mist. Wash splashes of concentrate from skin or eyes immediately. If clothing becomes contaminated with product, remove clothing immediately. **DO NOT** eat, drink, or smoke while using.

Wash hands and face before eating, drinking, or smoking and after work. Wash protective clothing after use.

Apply with well-maintained and calibrated spray equipment. Records of use **MUST** be kept. Application, storage and record keeping should be as described in the Management of Agrichemicals NZS8409.

DO NOT carry on a passenger service vehicle.

Avoid contamination of any water supply with chemical or empty container.

Container disposal: Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise crush and bury in a suitable landfill.

DO NOT reuse this container for any other purpose.

Product disposal: Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

FIRST AID

If swallowed **DO NOT** induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. **DO NOT** scrub the skin. If splashed in eyes, wash out immediately with water. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

SPILLAGE

Wear suitable protective clothing including face shield, impervious gloves and boots. Prevent the product or spilled material from entering water bodies. Absorb liquid spills with inert material such as earth or sand and place in waste containers. Wash area with water and absorb with further inert material. Dispose of safely.

GENERAL INFORMATION

Authority® SC is a pre-emergence herbicide which is taken up through plant roots as they emerge through treated soil. Authority® SC may also be taken up through the foliage of plants which are present at the time of treatment.

Weed control occurs as a result of membrane disruption. Weeds will emerge and then turn necrotic soon after exposure to light. Adequate moisture (13 mm rainfall or irrigation) is required within 10 – 14 days of application to activate Authority® SC.

RESISTANCE MANAGEMENT

Authority® SC is a triazolinone (Group E) herbicide. Excessive use of any herbicide may lead to the development of resistant weeds. Follow label directions and use in programmes with herbicides from a different action group. Consult <http://resistance.nzpps.org/> for alternate modes of action.

USE WARNING

Apply this product carefully, spray drift may cause serious damage to other desirable plants. Authority® SC is persistent in soil, giving extended weed control. Higher rates are required on heavy soils and lower rates on medium soils. **DO NOT** use on light sandy soils or soils with a Cation Exchange Capacity (CEC) of 15 or less. Use rate and soil type will affect crop selectivity and persistence.

Soil Type	Light	Medium	Heavy
Soil description	Sand to Sandy loam	Loam	High clay and or Organic matter
CEC range	0 to 15	15 to 21	21 plus
Application rate range	DO NOT USE	300 to 350 mL/ha	350 to 470

Use the lowest rate recommended under wet, cold conditions as crop selectivity can be affected if crop growth is slowed by weather conditions.

DIRECTIONS FOR USE

MIXING

Fill spray tank to 1/3 full and with agitation running, add chemicals to tank in the following order:

1. Site drift retardant. (Must be added first if used)
2. Wettable powders and dispersible granules.
3. Suspension concentrates or flowables (Authority® SC).
4. Continue to fill tank to ½ full.
5. Add emulsifiable concentrates.
6. Complete filling of spray tank while maintaining agitation.

APPLICATION

Apply with calibrated ground spraying equipment (not air assisted) before both weeds and crop have emerged to a dry soil in sufficient water to obtain even coverage.

Crop / Situation	Weed	Rate	Critical Comments
Potatoes	See table below	300 to 470 mL/ha.	Apply after final ridging and before weed emergence. Use the lower rate on medium soils and during periods of cool, moist conditions. Use higher rates on heavy soils under warm dry conditions. DO NOT use on light sandy soils. Use sufficient water to obtain even coverage of the soil surface. Tank mixtures with Frontier* or Magister® CS should be used where a broad spectrum of weeds is expected. Reduced tuber size and yield have been observed on some varieties under some conditions. Heavy rainfall or irrigation in the three weeks following application may exacerbate crop effects particularly under cold growing conditions. Test on a small area of any untried variety before extensive use.
Pumpkins and Buttercup Squash	See table below	300 to 470 mL/ha	Use the lower rate on medium soils and during periods of cool, moist conditions. Use higher rates on heavy soils under warm dry conditions. DO NOT use on light sandy soils. Tank mixtures with Frontier* or Magister® CS should be used where a broad spectrum of weeds is expected.

SUSCEPTIBLE WEEDS*, *1	MODERATELY SUSCEPTIBLE*	RESISTANT
Amaranthus	Barnyard grass	Dandelion
Buttercup	Crabgrass	Most perennials
Black nightshade	Crowsfoot grass	
Fat hen	Sea radish	
Narrow-leaved plantain	Redroot	
Purple nutsedge*	Wild carrot	
Seedling dock	Yellow nutsedge *	
Wire weed		
Willow weed		

* Repeat treatment in subsequent seasons crops required for sustained control.

FOLLOW ON CROP GUIDELINES

Follow on crop recommendations. Authority® SC may persist in soil for more than 10 months and affect the germination and vigour of following crops. It is recommended that a small area is sown as a test area prior to commercial planting of any follow on crop. The following guide reflects the best information available for crop selectivity.

Re-cropping interval (Months) after application				
12 Months			Other crops	
Barley	Lentils	Rock melons	Maize	18 months
Capsicums	Lupins	Ryecorn	Sweet corn	18 months
Carrots	Navy beans	Squash	Beets	24 months
Cereals	Oats	Triticale	Brassicas	24 months
Chick Peas	Onions	Water melons	All other crops	24 months
Fava beans	Potatoes	Wheat		
Field peas	Processing peas	Zucchini		
Green beans	Pumpkin			

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

STORAGE

Store in a cool dry place avoiding temperatures above 35°C.

SAFETY DATA SHEET

If additional hazard or safety information is required, refer to the Safety Data Sheet. For a copy visit our website at www.fmccrop.nz

NOTICE TO BUYER

FMC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use of application, all of which are beyond the control of FMC. To the extent permitted at law FMC shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer.

TO THE EXTENT PERMITTED AT LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE

NEW ZEALAND EMERGENCY TELEPHONE

TRANSPORT EMERGENCY: 0800 387 668

24 HR EMERGENCY MEDICAL INFORMATION: 0800 111 174

The FMC logo, Authority® and Magister® are Trademarks or Registered trademarks of FMC or its affiliates.

* Non FMC Trademark

Formulated for and distributed by:

FMC New Zealand Limited

6 Clayton Street

Newmarket

Auckland 1023

Freephone: 0800 65 80 80

www.fmccrop.nz



© Copyright FMC New Zealand Limited 2018, all rights reserved. All directions for use, recommendations, use rates, compatibilities and other technical information is proprietary to FMC