

orion AGRISCIENCE



HARMFUL | ECOTOXIC
KEEP OUT OF REACH OF CHILDREN



AtraflowTM HERBICIDE

For the selective post-emergent control of broadleaf weeds in MAIZE, SWEETCORN, LINSEED and established LUCERNE.

Active Ingredient:

500 g/litre atrazine in the form of a suspension concentrate.

SHAKE WELL BEFORE USE



20 Litres



PLEASE READ THE LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATION: 6.1D, 6.9B, 9.1A, 9.2A, 9.3C
WARNING: TOXIC, ECOTOXIC
 May be harmful if swallowed, inhaled or absorbed through the skin. May cause organ damage from repeated ingestion at high doses. Very toxic to aquatic organisms and to some plant species. Harmful to terrestrial vertebrates.
PRECAUTIONS
APPROVED HANDLER: This product must be under the control of an approved handler during use.
STORAGE: Keep out of reach of children. Store in the original, tightly closed container, in a cool, dry, secure and well ventilated area away from feed or foodstuffs. Avoid temperatures below -5°C and above 35°C. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.
PERSONAL PROTECTION: Avoid contact with eyes and skin. Avoid inhalation of spray mist. When mixing or applying, wear overalls, boots, gloves and eye protection. Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.
USE: Apply with well maintained and calibrated spray equipment.
DISPOSAL: Dispose of this product only by using in accordance with this label, or at a suitable landfill. Triple rinse container and add rinsate to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. Do not burn. Do not use container for any other purpose.
ENVIRONMENTAL: Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. Spray drift or equipment contamination may cause serious damage to desirable plants. Do not allow spray drift outside the target area to occur.

First Aid

If swallowed do not induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately to advise.

Emergency Response

In a transport emergency call **111, Police or Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).

Spillage

Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in a waste container. Wash area with water, and absorb with further inert material. Dispose of safely to a suitable landfill.

Safety Data Sheet

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 627 6627)** or visit www.orionagriscience.co.nz.

GENERAL INFORMATION

Atraflow is a selective herbicide for the control of some seedling broadleaf weeds in maize, sweetcorn, linseed and established lucerne. Atraflow is absorbed through leaves and roots ensuring a high degree of weed control when used as a post-emergence spray. To obtain the maximum residual effect from Atraflow it should be applied to a smooth clod-free soil. Atraflow can be safely used near tomato, grape and other hormone sensitive crops.

DIRECTIONS FOR USE

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..

MAIZE AND SWEETCORN

Rate of Application: 3 litres of Atraflow in 220 - 450 litres water per hectare; or 1 – 1.5 litres of Atraflow with 150 – 200 mL of Callisto® or Dominator® and a crop oil adjuvant at 1% of the spray mix (eg. Synoil™).

Time of Application: To control emerged annual broadleaf weeds such as fathen, black nightshade, willow weed, redroot and apple of Peru, apply Atraflow as an early post emergence spray to actively growing seedling weeds no greater than 5cm high.

Atraflow should not be applied under dry hardened growth conditions, and the addition of a wetting agent at manufacturer's label rates is essential for post-emergent weed control. Providing the spray has dried on the foliage, light rain after application of Atraflow will not affect the results. At all stages of growth, both maize and sweetcorn are resistant to Atraflow when treated at the recommended rates of application.

After treatment: Shallow moulding at the time of inter-row cultivation can improve the performance of Atraflow. Under dry conditions smother mould to a depth of 3 cm seven to ten days after spraying.
Grass weeds: For pre-emergence control of annual grasses, use the recommended product Dual® Gold, Sylon® 840 or Ace™ according to label directions.

Fathen: Some fathen plants may be resistant to products containing atrazine, and the use of Bandit® post-emergence herbicide may be necessary to remove them.

LINSEED

Rate of Application: 800ml of Atraflow plus 750ml of an MCPA 75% a.i. product eg. Orion MCPA 750, in 150 - 250 litres of water per hectare.

Time of Application: To control annual broadleaf weeds such as spurrey, combind, willow weed and lumitory, apply the Atraflow / MCPA mixture as a post-emergence spray when the crop is not more than 6cm high. Ideally application should be made when the soil is moist and when weeds are not beyond the two true leaf stage.

LUCERNE (Established)

Rates of Application: 1.5 litres of Atraflow plus 2 - 3 litres of paraquat 20% a.i. eg. PQ200™ in 200 - 300 litres water per hectare.

Time of Application: To control seedling shepherd's purse, subterranean clover and storksbill, apply to closely grazed lucerne stands during the winter months when the lucerne is completely dormant. Do not apply when frost is still on the foliage, or when ground conditions are excessively wet.

CAUTION: Atraflow / paraquat 20% must be applied only to established lucerne stands that are at least one year old. Weed growth should be short, clean and free from soil contamination. Do not spray immediately following heavy grazing – allow a few days for weed growth to freshen up. Avoid excessive boom overlap when spraying. Apply **ONLY** when lucerne is completely dormant.

APPLICATION METHODS

Atraflow is non-corrosive and almost non-abrasive. Atraflow can be applied with conventional spraying equipment. Do not use strainers finer than 300 micrometres. Wash equipment thoroughly after use.

Band spraying: Specially designed dropper equipment with rowcrop swivel nozzles should be used. Two nozzles per row, one from each side should be angled to give uniform coverage to the recommended bandwidth.

MIXING

As setting out may occur during storage shake well or recirculate before use. Atraflow mixes readily with water. Pour the correct quantity into the partly filled tank then add the remaining water while agitating. The spray mixture should be kept agitated before and during spraying and before spraying after a stoppage. Unused spray mixture will settle overnight. **Note:** When using mixtures of Atraflow and paraquat 20% a.i., add the Atraflow to the partly filled tank first, mix thoroughly, then add the paraquat and remainder of the water with agitation.

SOIL RESIDUES

To minimise soil residues which could affect subsequent crops, areas treated with Atraflow should be ploughed and cross-cultivated between crops to ensure maximum dispersal of residues. Because residues may result from the use of Atraflow, certain crops, for example tomatoes, cucurbits, brassicae, lettuce and beans, should not be planted in areas previously treated with Atraflow without first obtaining advice from your local Orion AgriScience representative.

RESISTANCE MANAGEMENT

GROUP	C1	HERBICIDE
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Atraflow contains atrazine, a group C1 herbicide belonging to the triazine chemical family. Some naturally occurring weeds may become resistant when excessive use of the same herbicide occurs. To prevent or delay the development of resistance, use in tank mixes and/or rotate use with herbicides with a different mode of action. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

WARRANTY

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, No. P3001

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

Approved pursuant to the HSN0 Act 1996, No. HSR000534

See www.epa.govt.nz for approval conditions.

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Batch No:

Date of manufacture:

ATRAFLOW



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