

110 x 100mm (WxH)

orion AGRISCIENCE

WARNING

KEEP OUT REACH OF CHILDREN



BlastTM

HERBICIDE

A selective herbicide for control of certain broadleaf weeds in CHICORY, CLOVER, LUCERNE, MAIZE and PASTURE



Active Ingredient:

800g/kg flumetsulam in the form of a water dispersible granule



500g

110 x 100mm (WxH)

PLEASE READ THE LABEL COMPLETELY BEFORE USE**HAZARD CLASSIFICATION:****Hazardous to soil organisms, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1****WARNING: ECOTOXIC**

Very toxic to aquatic life with long lasting effects. Very toxic to the soil environment.

HANDLING REQUIREMENTS

Keep out of reach of children. Read carefully and follow all instructions. This product must only be handled, mixed and applied by a suitably qualified person as defined under the HPC notice 2017 Part 4C.

RECORD KEEPING:

Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3 kg or more is applied within 24 hours and likely to leave the application area.

PERSONAL PROTECTION:

Avoid contact with eyes and skin. Avoid inhalation of dust or 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.

STORAGE:

Keep out of reach of children. Store in the original, tightly closed container, in a secure place. 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.

DISPOSAL:

Dispose of this product only by using in accordance with this label, or at a suitable landfill. Do not burn. Dispose of packaging to a suitable landfill. Do not use packaging for any other purpose.

ENVIRONMENTAL:

Use this product carefully. Do not contaminate aquatic environments with product, spray drift or packaging. Spray drift or equipment contamination may cause serious damage to desirable plants. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Do not use or flush equipment near to desirable plants or their roots. Do not use the same equipment to apply other chemicals to susceptible crops unless thoroughly cleaned and decontaminated.

FIRST AIDIf medical advice is needed, have the product container or label at hand. 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 for advice.**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. Moisten to prevent dusting and sweep up. If liquid, absorb spill with inert material such as soil, sand, etc. Place in a waste container. Dispose of safely to a suitable landfill.

SAFETY DATA SHEETAdditional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit **www.orionagriscience.co.nz**.

Batch No:

Date of manufacture:

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. P8496

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

Approved pursuant to the HSNO Act 1996, No. HSR000458

See www.epa.govt.nz for approval controls.*AMMO and TANDEM are Registered Trademarks of Orion AgriScience Ltd
™ATRAFLOW, BLAST, SYNOIL and THISTLE KILLEM are Trademarks of Orion AgriScience Ltd**Registrant:** Agsin Pte Ltd, Zagro Global Hub, 5 Woodlands Terrace, Singapore 738430**Distributor:** Orion AgriScience Ltd, Unit 1, 15 Sir Gil Simpson Drive, Harewood, Christchurch 8053.**0800 674 6627****www.orionagriscience.co.nz****BLAST**

185 x 80mm (WxH)

PLEASE READ THE LABEL COMPLETELY BEFORE USE

GENERAL INFORMATION

Blast is a selective herbicide that will control or suppress a range of broadleaf weeds in pasture and other crops. Whilst being effective on a range of broadleaf weeds, when used as directed, Blast is safe to clover, as well as to chicory and lucerne. Blast works best when weeds are actively growing. Avoid use in cold or wet conditions.

DIRECTIONS FOR USE

Apply with well-maintained and calibrated spray equipment.

Always apply Blast with a spraying oil such as Synoil™ at 500mL per 100 litres of spray mix (unless it is specifically recommended not to do so – see 'Compatibility' section below).

Application Rate

Rate g/ha	Weeds Controlled	Critical Comments
30	Chickweed, Spurrey, Wild Radish, Hedge Mustard	Apply before 4th leaf
50	Amaranthus (Redroot), Cleavers, Black Nightshade, Fathen, Shepherds Purse, Mallow	Apply before 4th leaf
	Annual Buttercup, Creeping Yellow Cress, Yellow Gromwell	Apply before flowering
65	Larger weeds (above) Stinking Mayweed, Wireweed, Sorrel Field Pansy, Henbit, Willow Weed, Oxeye Daisy	Apply to young seedlings Apply to young seedlings (suppression only)
	Giant Buttercup	Apply before flowering

APPLICATION METHODS

Blast can be applied with conventional spraying equipment:

Boom and Aerial spraying: Apply in 100 – 300 litres water/ha. Use the higher water rate where weeds are dense.

CDA application: Use a droplet size of 250 – 300 microns and not less than 30 litres of water per hectare. CDA application may be less effective than boom spraying. For CDA application, use 500 ml of spraying oil per hectare.

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Application Timing

Crop	Crop Growth Stage
New Pasture	Use after clover has developed 2 trifoliate leaves
New and Established White Clover Seed Crops	Apply after the emergence of the 4th trifoliate leaf and before stolon elongation
New and Established Red Clover Seed Crops and Subterranean Clover	Apply after the emergence of the 6th trifoliate leaf and before stolon elongation
Established Lucerne	Apply before flowering
Maize	Apply at the 4th leaf stage (90 mm plant height)
New and Established Chicory	Apply after the emergence of the 4th leaf

Established Pasture: Blast can be applied in either spring or autumn for buttercup control. Repeat spring treatments for two successive seasons will maximise control of giant buttercup.

MIXING

Add the required quantity of Blast to the spray tank partly filled with water, and maintain agitation through filling and spraying. Add Synoil last if used. Only mix sufficient spray solution for immediate use. Do not store spray solutions.

COMPATIBILITY

Blast is compatible with most commonly used herbicides. In pasture, the addition of Tandem® will increase the range of broadleaf weeds controlled. If using with 2,4-D products such as Ammo® Max or Thistle Killen™ Ultra, use with a spray oil will increase clover damage and is not recommended unless the pasture has been well grazed prior to spraying. Do not mix Blast with spraying oil when using with triazine herbicides, e.g., Atrflow® (atrazine) on lucerne.

SPRAY EQUIPMENT CLEANING AND DECONTAMINATION

Spray equipment must be thoroughly cleaned and decontaminated before use to avoid the possibility of damage to susceptible crops. Refer to label of previously applied product for decontamination procedures.

After use, immediately after spraying, drain equipment completely and flush twice with clean water. Discard any rinse solutions onto sprayed land or waste land away from desirable plants and water sources.

To prevent injury to subsequently sprayed sensitive crops (eg, Brassica species, beans, lupins and sunflowers); thoroughly decontaminate spraying equipment as follows:

1. Drain and flush as above.
2. Fill the tank with clean water and add an alkali detergent (eg, low foam laundry detergent) at 500 g/100 litres. Circulate throughout the system for at least 15 minutes.
3. Remove nozzles, filters and screens, and clean separately.
4. Drain system, flush with clean water and allow to drain.

SOIL RESIDUES

Do not plant susceptible crops within 3 months of application. Susceptible crops include all brassica species, beans, lupins and sunflowers.

WITHHOLDING PERIOD

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.

Do **NOT** graze crops or treated pasture for 14 days after application.

Poisonous plants, eg black nightshade, giant buttercup, etc, can become more palatable after spraying. For animal safety reasons, stock should be kept away from treated areas until any poisonous plants have died down.

RESISTANCE MANAGEMENT

GROUP	2	HERBICIDE
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Blast contains flumetsulam, a triazolopyrimidine herbicide belonging to the inhibition of acetolactate synthase ALS (acetoxyhydroxyacid synthase AHAS) mode of action group. 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.