



orion AGRISCIENCE



WARNING

KEEP OUT OF REACH OF CHILDREN



TillmateTM
HERBICIDE

A selective herbicide for control of certain broadleaf weeds in WHEAT, BARLEY and OATS, and in CONSERVATION TILLAGE PROGRAMS

Active Ingredient:

750g/kg tribenuron-methyl in the form of a water dispersible granule



9 421004 531412

500 G



110 x 100mm (WxH)

PLEASE READ THE LABEL COMPLETELY BEFORE USE**HAZARD CLASSIFICATION:**

Eye irritation Category 2, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to soil organisms, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1
WARNING: ECOTOXIC

Causes serious eye irritation. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Very toxic to the soil environment.

PRECAUTIONS**HANDLING REQUIREMENTS**

This product must only be handled, mixed and applied by a suitably qualified person as defined under the HPC notice 2017 Part 4C. Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3 L 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 and spray mist. When mixing or applying, wear overalls, boots, gloves and eye protection. 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. Take all reasonable steps to ensure that this product does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water. Collect spillage. Do not contaminate aquatic environments with product, spray drift or packaging. Spray drift or equipment contamination may cause serious damage to desirable plants. Do not allow spray drift outside the target area to occur. 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 AID

If medical advice is needed, have 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 and prevent material from entering waterways. If granules have spilt, moisten to prevent dusting and sweep up. If liquid, absorb spill with inert material such as soil, sand, etc. Place in 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 (08006746627)** or visit
www.orionagriscience.co.nz.

Registered pursuant to the ACVM Act 1997, No. P7160
 See www.foodsafety.govt.nz for registration conditions.
 Approved pursuant to the HSNO Act 1996, No. HSR002474
 See www.epa.govt.nz for approval controls.

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Distributor: Orion AgriScience Ltd, Unit 1, 15 Sir Gil Simpson Drive, Hawerood, Christchurch 8053.

0800 674 6627

www.orionagriscience.co.nz

TILLMATE



Batch No:

Date of manufacture:

PLEASE READ THE LABEL COMPLETELY BEFORE USE

GENERAL INFORMATION

Tillmate works best when weeds are small and actively growing. Susceptible weeds will stop growth soon after treatment, but damage symptoms may take 1 - 3 weeks to appear. Tillmate will work quicker under warm, moist growth conditions, whilst cold dry conditions following application will slow its action.

MIXING

Add the required quantity of Tillmate to the spray tank partly filled with water, and maintain agitation through filling and spraying. Use Tillmate mixtures within 24 hours of preparation as product degradation may occur. Always add a non-ionic surfactant, eg, Synergy™ Wetter Sticker, at the label recommended rate, unless using in tank mix with another product that contains surfactant.

COMPATIBILITY

Tillmate is compatible with most commonly used cereal herbicides, insecticides and fungicides.

SPRAY EQUIPMENT DECONTAMINATION

To prevent injury to subsequently sprayed sensitive crops, thoroughly decontaminate spraying equipment immediately after spraying:

- Drain tank and flush tank, boom and hoses with clean water for at least 10 minutes.
- Fill tank with clean water and 1 litre chlorine bleach (3% sodium hypochlorite) per 100 litres water. Keep agitation system running while flushing hoses and boom, then drain. Repeat step 2.
- Remove and clean nozzles, filters and screens separately. Rinse thoroughly with clean water and flush through hoses and boom to remove traces of chlorine.

RAINFALL

Do not spray if rainfall is expected within 1 hour of spraying.

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RESISTANCE MANAGEMENT

GROUP	2	HERBICIDE
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Tillmate belongs to the sulfonylurea chemical 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.

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.

DIRECTIONS FOR USE

Apply with well-maintained and calibrated spray equipment.

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 spray crops that are under stress from drought, water saturated soil, disease or insect damage, as crop damage may occur. Crop damage may also occur if these conditions occur after spraying. Do NOT apply to crops undersown with clover or lucerne.

Use a minimum of 60 litres of water per hectare in all methods of application. Crop injury may result from spray overlap. When starting, slowing or stopping, shut off the spray boom.

Crop / Situation	Application Rate	Weeds Controlled	Critical Comments
Cereals - Wheat, Barley, Oats	15g/ha	Californian thistle*, chickweed, fathen, scarlet pimpernel, scotch thistle, shepherds purse, spurrey, wild turnip, willow weed. *Apply to rosettes (10 - 15cm tall); thistles emerging after application will not be controlled.	Apply at any stage from the 2-leaf Stage (GS12) up to just before the 'boot' stage (GS39). For best results spray before the crop canopy closes to small actively growing weeds. Use a minimum of 60 litres/ha of water. When used alone, add a non-ionic surfactant at label recommended rate.
	25g/ha	Redroot, sheeps sorrel, twin cress, wireweed	The higher rate is required for these weeds.
Barley only	15g/ha		To improve the spectrum of weeds controlled Tillmate can be tank mixed with Cougar® or Combine®. Follow the label recommendations of the tank mix partner.
Conservation Tillage - Cereals, Maize, New Pasture, Peas, Potatoes, Squash	40g/ha	Clovers, ragwort*, sheeps sorrel, yarrow *Ragwort plants may be more palatable after spraying, do NOT graze until treated plants brown out.	For improved control of certain broadleaf weeds, use in tank mix with glyphosate plus penetrant (e.g. Silmaxx® or Synergy™ Penetrant) before the crop is sown. Plantback Period: Do not sow the crop within 14 days of using Tillmate. Do not use Tillmate within 2 months after applying lime.
Conservation Tillage - Brassicas	40g/ha	Clovers, ragwort*, sheeps sorrel, yarrow *Ragwort plants may be more palatable after spraying, do NOT graze until treated plants brown out.	For improved control of certain broadleaf weeds, use in tank mix with glyphosate plus penetrant (e.g. Silmaxx® or Synergy™ Penetrant) before the crop is sown. Plantback Period: Do not sow the crop within 14 days of using Tillmate. Do not sow if the soil pH exceeds 6.5. Do not use Tillmate within 2 months after applying lime.

NOTE: Tolerant weeds – Cleavers, speedwells, wild oats.