

READ LABEL BEFORE USE**HAZARD CLASSIFICATIONS:**

Irritation Category 2, Specific Target Organ Toxicity Repeat Exposure Category 1, Hazardous to the Aquatic Environment Acute Category 1, Hazardous to the Aquatic Environment Chronic Category 1, Hazardous to Soil Organisms

DANGER

Causes serious eye irritation. Causes 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:

Read carefully and follow all instructions. Avoid contact with eyes and skin. Do not breathe in the spray mist. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. When mixing, loading or applying, wear overalls, boots, gloves and eye protection. Wear respiratory protection if spray mist could be inhaled.

STORAGE

Store in the original container. Keep container tightly closed. 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.

USE

Apply with well maintained and calibrated spray equipment. Do not apply at rates exceeding 600 mL / ha per application. Do not apply to the same area more than two times in any 330-day period. An interval of at least 14 full days must be observed before the substance is reapplied to the same area. Application must be with nozzles equipped to provide a coarse spray in accordance with the American Society of Agricultural and Biological Engineers (ASABE). Application is limited to ground-based application methods only.

DISPOSAL

Dispose of this product by using it in accordance with this label. Dispose of the container via AgRecovery after triple rinsing (use the rinsate for spraying). Do not burn. Do not use the container for any other purpose.

ENVIRONMENTAL

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. Do not apply within 10 metres of a downwind water body or within 15 metres of downwind non-target plants. Collect spillage.

FIRST AID

If medical advice is needed, have product container or label at hand.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical help.

Get medical help if you feel unwell. For advice, call the Poisons Centre on **0800 POISON (0800 764 766)** or a Doctor.

EMERGENCY RESPONSE

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

SAFETY DATA SHEET

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

Registered pursuant to the ACVM Act 1997, No. P9168

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

Approved pursuant to the HSNO Act 1996, No. HSR002475

See **www.epa.govt.nz** for approval controls.

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www.orionagriscience.co.nz

UN 3082

**ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (MESOTRIONE 48%)**

HAZARD CLASS 9

PACKING GROUP III

HAZCHEM CODE 3Z

Batch No:

Date of manufacture:

DOMINATOR

orion 0425
AGRISCIENCE

200 x 140mm (WxH)

READ LABEL BEFORE USE

GENERAL INFORMATION

Dominator is a selective herbicide for the control of a wide range of broadleaf weeds in grain and silage maize. Dominator can be applied either pre or post emergence. Dominator is absorbed through the leaves, shoots and roots of weeds, interfering with carotenoid biosynthesis. Complete weed death may take up to 2 weeks. Transient bleaching may occur after post emergent applications if undertaken when the crop is stressed, eg, drought. The crop will outgrow this and develop normally. Yield will not be affected.

Caution: Do **NOT** use on sweetcorn or popcorn.

Weeds Controlled: Bathurst bur, black nightshade, chickweed, dandelion, fathen*, fennel, fishtail oxalis, galinsoga, hairy nightshade, mallow, redroot, seedling docks, spurrey, stagger weed, twin cress, willow weed, wire weed (*includes triazine resistant fathen).

Dominator is only partially effective against grass weeds. It is recommended that Dominator is used in conjunction with other herbicides to provide broad spectrum weed control (See under 'Rates of Application' below).

DIRECTIONS FOR USE

RATES OF APPLICATION

Pre-emergent: Use 350 – 450 ml of Dominator per hectare. To increase the spectrum of weed activity,

use in combination with 2 litres of Atrafallow™ 500FW or 1.1 Kg of Atragranz® 90WG, 1.3 - 2 litres of Guvnor™ Gold, or 2.2 - 3 litres of Sylon® 840 or Ace™, per hectare.

Post emergent: Use 150 - 200ml of Dominator per hectare. To increase the spectrum of weed activity, use in combination with 1 – 1.5 litres of Atrafallow 500FW or 0.5 – 0.8 Kg of Atragranz 90WG, or 0.75 – 1.5 litres of Bandit per hectare.

For optimal post emergent weed control, particularly against grasses such as summer grass and smooth witchgrass, Dominator, on its own or with tank mixes, must be used in conjunction with a crop oil adjuvant such as Synoil™ at 1% by volume of the spray mix.

APPLICATION TIMING

Pre-emergent. Apply to the freshly prepared seedbed immediately after planting and before crop emergence.

Post emergent: Dominator is most effective when applied to weeds up to the 8 leaf stage. Providing the spray has dried on the foliage, light rain after post emergent spraying will not affect the results. Otherwise, rain within 3 hours of treatment may reduce effectiveness.

BUFFER ZONES

Dominator must not be applied within 10 m of a downwind water body.

Dominator must not be applied within 15 m of downwind non-target plants.

APPLICATION METHODS

Boom spraying. Use 100 – 300 litres of water per hectare. Use the higher volumes when used in conjunction with other herbicides. Do not use strainers finer than 300 micrometres.

Dry conditions following application may reduce pre-emergent effectiveness. If activating rain is not received within 7 – 10 days after a pre-emergent application, rotary hoeing is recommended to activate the herbicide.

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MIXING

Shake well prior to use. Pour Dominator into the spray tank half filled with water, and add the remainder of the water while agitating. Keep mechanical agitator or bypass running while filling, during spraying and before recommencing spraying after a stoppage. Unused spray mixture will settle out. If tank mixing, add next product(s) immediately after Dominator.

COMPATIBILITY

Do **NOT** mix with organophosphate or carbamate insecticides, or apply organophosphate or carbamate insecticides within 7 days (before or after) of Dominator. Do **NOT** mix with methylated seed oil adjuvants or cationic surfactants.

SOIL RESIDUES

To minimise soil residues which could affect subsequent crops, areas treated with Dominator should be ploughed and cross cultivated between crops to ensure maximum dispersal of residues. Because residues may result from the use of Dominator, planting of certain crops should be delayed to allow residues to decay. Allow at least 6 months before sowing white clover or ryegrass. Allow at least 12 months for legume crops such as lucerne, peas and red clover. For further advice contact a representative of Orion Agriscience.

WITHHOLDING PERIODS

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.

Grain maize and green feed/silage: 70 days from the last application

RESISTANCE MANAGEMENT

GROUP	27	HERBICIDE
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Dominator contains the active ingredient mesotrione, which belongs to the pyrazole chemical group. Some naturally occurring weeds may become resistant when excessive use of the same herbicide group occurs. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the weeds or 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.