

orion AGRISCIENCE



WARNING

KEEP OUT OF REACH OF CHILDREN



Orion

Nico Ultra

HERBICIDE

For grass and broadleaf weed control in
GRAIN and SILAGE MAIZE and SWEETCORN



Active Ingredient:

60 g/litre of nicosulfuron plus 600 g/litre methylated seed oil
adjuvant in the form of an oil in water dispersion



SHAKE WELL BEFORE USE

10 Litres



PLEASE READ THE LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATIONS:

Eye irritation Category 2, Hazardous to soil organisms, Hazardous to the aquatic environment acute and chronic Category 1

WARNING: ECOTOXIC

Causes mild skin irritation. Causes serious eye irritation. Very toxic to the soil environment. Very toxic to aquatic life with long lasting effects.

PRECAUTIONS

CERTIFIED HANDLER:

This product must be under the control of a certified handler during use. Persons mixing, loading, applying, or otherwise handling Orion Nico Ultra must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017. This product must not be used for any purpose or in any manner contrary to the label, unless authorised under appropriate legislation.

PERSONAL PROTECTION:

Avoid contact with eyes and skin. Avoid inhalation of 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 cool, dark and secure place away from food or stockfeed. Keep away from heat or frost. 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. Store in accordance with NZS 8409 Management of Agrichemicals. 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. Triple rinse container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot or dispose of container to a suitable landfill. 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. For advice, call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately.

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 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. P9611
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to the HSNQ Act 1996, No.HSR007869
See www.epa.govt.nz for approval conditions.

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

Orion Nico Ultra

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AGRISCIENCE

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GENERAL INFORMATION

Orion Nico Ultra is rapidly absorbed by foliage and translocated throughout the weed. This stops the synthesis of vital plant growth chemicals. Weeds stop growing immediately and discoloration of leaves occurs, followed by dieback that spreads slowly throughout the weed.

Note: Orion Nico Ultra contains inbuilt surfactant system. Do NOT add additional surfactants.

Weeds Controlled:

Grasses: Barnyard Grass, Bristle grass, Broom corn millet, Couch, Crowfoot Grass, Kikuyu, Pasture grasses (volunteers), Rough Bristle Grass, Smooth Witchgrass, Summer Grass, Wild Oats.

Broadleaf Weeds: Bathurst Burr, Black Nightshade, Groundsel, Fathen, Fumitory, Redroot, Sow Thistle, Thorn Apple, Twincress, Water Pepper, Wild Portulaca, Willow Weed.

Weeds Suppressed:

Grasses: Mercer Grass.

Broadleaf Weeds: Apple of Peru, Bindweed, Buttercup, Californian Thistle, Chicory, Dock, Clover, Oxalis, Potatoes (volunteers), Scotch Thistle.

COMPATIBILITY

Orion Nico Ultra is compatible in tank mixtures with the following post emergence herbicides; atrazine, simazine, bromoxynil.

ADJUVANTS:

Orion Nico Ultra contains an inbuilt surfactant system. Do NOT add any further surfactant or spraying oil.

APPLICATION

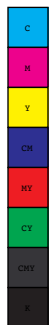
The crop growth stage best for application is between the 2 and 8 leaf stage when the crop is growing vigorously without moisture stress and free of wind damage.

Caution: Application to crops greater than 500 mm in height risks crop injury. Do NOT use on popcorn. Orion Nico Ultra can be used safely on maize grown for seed on existing NZ varieties already tested for crop safety in NZ. Apply this product carefully as spray drift may cause serious damage to other desirable plants. Apply evenly to the weed canopy using ground based spray equipment at a minimum water rate of 200 litres per hectare to maximize coverage. Position the boom nozzles between the rows of the maize for direct coverage of weeds avoiding boom overlap. Do NOT apply Orion Nico Ultra into the maize or sweetcorn whorls as crop damage may occur. The use of nozzles on droppers from the boom will improve target weed coverage and minimize crop injury.

The use of droppers or hand spraying equipment is essential when spraying sweetcorn.

INTERACTION WITH INSECTICIDES

Do NOT apply to maize or sweetcorn previously treated with soil-applied organophosphate insecticides, or to any crop that has been treated within 7 days before or after with foliar applied organophosphate insecticides, as severe crop injury may result.



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SPRAY EQUIPMENT DECONTAMINATION

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

1. Drain tank and flush tank, boom and hoses with clean water for at least 10 minutes.
2. Fill tank with clean water and 1 litre chlorine bleach (3% sodium hypochlorite) per 100 litres water. Keep agitation system running for 15 minutes while flushing hoses and boom, then drain.
3. Repeat step 2.
4. Remove and clean nozzles, filters and screens separately. Rinse thoroughly with clean water and flush through hoses and boom to remove traces of chlorine.

WEATHER CONDITIONS

Warm moist conditions and adequate soil moisture, both before and after application, will improve control. Maize stressed due to weather conditions may show a temporary yellowing or crop stunting. Orion Nico Ultra is rainfast 6 hours after application.

WITHOLDING 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

Maize green feed and silage: 56 days from the last application

Sweetcorn: do not harvest for human consumption or graze treated crop for 56 days last application.

SOIL RESIDUES

To minimise soil residues, treated areas should be deeply cross cultivated to ensure maximum dispersal of residues. Ryegrass and small grain cereals should not be sown in areas treated within the previous 5 months.

RESISTANCE MANAGEMENT

GROUP	2	HERBICIDE
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Orion Nico Ultra 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 accordance with label instructions and use 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.

DIRECTIONS FOR USE

Apply with well-maintained and calibrated spray equipment. Use spray mixtures the same day.

CULTIVATION

Do not cultivate during the 10 days before an Orion Nico Ultra application as this may decrease weed control by placing weeds under stress. The optimum timing for cultivation or side dressing of fertiliser is 7 – 14 days after an Orion Nico Ultra application.

RATES OF APPLICATION

Weed	Rate (litres/ha)	Critical Comments
Couch	1.0	Apply when sufficient couch foliage is present for good coverage.
Mercer Grass (suppression), Kikuyu	1.3	Apply when sufficient weed foliage is present for good coverage but before the grass has formed a thick layer. Shading from a good crop canopy after application will improve control. In the following season, a repeat application will improve overall control.
Annual Grasses	0.7 – 1.0	Use the low rate only if following a pre-emergence herbicide application and if weed pressure is low. Apply when sufficient weed foliage is present for good coverage. Apply to summer grass at the maximum rate and before plants reach three tillers or tillers are 75mm in length.
Broadleaf Weeds	0.7 – 1.0	Use the low rate only if following a pre-emergence herbicide application and if weed pressure is low. Apply before weeds have reached the 4 true leaf stage, (75 to 100mm) and use in soil areas where the organic matter level is low to medium. Weeds larger than 4 true leaf stage may only be suppressed. Mature weeds will not be adequately controlled. To broaden the weed spectrum add a suitable tank mix herbicide.
Oxalis (Suppression)	1.0 – 1.3	The higher rate will improve control

NOTE: HSNO ADDITIONAL CONTROL. The maximum application rate of Orion Nico Ultra shall be 1.3 L/ha (0.078 kg ai/ha), with a frequency of application of no more than once per season.

MIXING

Prior to mixing Orion Nico Ultra, thoroughly rinse sprayer, tank, booms, hoses, and nozzles with water. Shake container well before pouring. Pour Orion Nico Ultra into the spray tank half filled with water, and add the remainder of the water while agitating. If adding other post-emergence herbicides, add after Orion Nico Ultra is thoroughly mixed in the half filled tank. Apply the Orion Nico Ultra spray mix within 24 hours of mixing.