



**WARNING**  
**HARMFUL · ECOTOXIC**  
**KEEP OUT OF REACH OF CHILDREN**



# ONEHOPE<sup>®</sup>

## HERBICIDE

For post-emergent control of perennial and annual grasses  
and broadleaf weeds in grain and silage maize crops.

ACTIVE INGREDIENT: Contains 750 g/kg nicosulfuron in the form of  
a water dispersible granule (SG).

**NET CONTENTS: 1 KG**



**HAZARD CLASSIFICATION: 6.4A, 9.1A, 9.2A.****TOXICITY:**

HARMFUL: May cause skin irritation.

**ECOTOXICITY:**

VERY TOXIC to aquatic organisms. Avoid contamination of any water supply with product or empty container.

VERY TOXIC to the soil environment.

**SELECTIVE HERBICIDE:** Very toxic to some plant species. **BWARE:** Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Do not allow drift to occur outside the target area.

**HANDLING PRECAUTIONS:**

Keep out of reach of children. Store in original container, tightly closed and in a locked, dry, cool area away from foodstuffs, fertilisers and seeds. Store in accordance with NZS8409 Management of Agricultural Stores. Store containing 100kg of the product require signage and more than 100kg require emergency response plans.

**APPROVED HANDLER:**

This product must be under the control of an approved handler when it is applied in a wide dispersive manner or used by a commercial contractor. This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

**PERSONAL PROTECTION:**

Avoid skin and eye contact and inhalation of spray mist. When mixing or applying wear appropriate eye protection, waterproof gloves, boots and overalls. Wash hands and exposed skin before meals and after work.

**EQUIPMENT:**

Apply using well maintained and accurately calibrated equipment. Clean equipment thoroughly after use.

**DISPOSAL:**

Triple rinse empty container and add rinsate to the spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill. Dispose of product only by using according to the label or at an approved landfill.

**FIRST AID:** If swallowed DO NOT induce vomiting. For advice, contact the **National Poisons Centre 0800 POISON (0800 764766)** or a doctor immediately. If spilt on skin, remove contaminated clothing and wash affected areas of skin. DO NOT SCRUB THE SKIN. If concentrate is splashed in eyes, flush with running water for at least 15 minutes. If inhaled, remove to fresh air.

**SPILLAGE:** Wear appropriate protective clothing and prevent material from entering waterways. Contain liquid spills and absorb with inert material. Sweep up solids without creating dust. Dispose of waste safely in a suitable landfill.

**TRANSPORT:** Do not carry more than 3kg of the product on a passenger service vehicle.

**RECORD KEEPING:** Records of use as described in NZS 8409 Management of Agricultural materials must be kept if more than 3kg of the product is applied within 24 hours.

**PRODUCT INFORMATION:** ONEHOPE is rapidly absorbed by foliage and translocated throughout the weeds. Weeds stop growing immediately and discoloration of weeds occurs, followed by dieback that spreads slowly throughout the weed.

**INTERACTION WITH INSECTICIDES:** Do not apply to maize previously treated with soil-applied organophosphate insecticides or to maize that has been treated within 7 days before or after with foliar applied organophosphate insecticides, as severe crop injury may result.

**RESISTANCE MANAGEMENT:** ONEHOPE contains a GROUP B herbicide belonging to the sulfonylurea group of chemistry with the inhibition of acetolactate synthase (ALS) mode of action. Naturally occurring biotypes resistant to sulfonylurea herbicides are known to exist. Resistance to these herbicides could develop from excessive use. To minimize this risk use strictly in accordance with label instructions and resistance management strategies at <http://www.nzpsp.org.nz/resistance>.

**DIRECTIONS FOR USE IN MAIZE:**

**Couch control:** Use ONEHOPE at 80g per hectare with the addition of PARRAFIN OIL spray adjuvant (containing 450g/litre Paraffinic Oil) at 500ml per 100 litres of spray volume. Apply when sufficient couch foliage is present for good coverage.

**Mercer grass suppression:** Use ONEHOPE at 110g per hectare with the addition of PARRAFIN OIL spray adjuvant (containing 450g/litre Paraffinic Oil) at 500ml per 100 litres of spray volume. Apply when sufficient Mercer grass foliage is present for good coverage. Shading from a good crop canopy after application will improve control. In the following season, a subsequent application will improve overall Mercer grass control.

**Annual grasses:** Use ONEHOPE at 50-80g per hectare. Use the low rate only if following a pre-emergence herbicide application and if weed pressure is low. Add a suitable tankmix herbicide with ONEHOPE and use in soil areas where the organic matter level is low to medium. Add PARRAFIN OIL spray adjuvant (containing 450g/litre Paraffinic Oil) at 500ml per 100 litres of spray volume. Apply when sufficient grass foliage is present for good coverage.

**Broadleaf weeds:** Use ONEHOPE at 50-80g per hectare. Use the low rate only if following a pre-emergence herbicide application and if weed pressure is low. Add a suitable tankmix herbicide with ONEHOPE. Use in soil areas where the organic matter level is low to medium. Add PARRAFIN OIL spray adjuvant (containing 450g/litre Paraffinic Oil) at 500ml per 100 litres of spray volume. Mature weeds will not be adequately controlled.

**Oxalis (suppression):** Use ONEHOPE at 80-110g per hectare. The higher rate will improve control. Add PARRAFIN OIL spray adjuvant (containing 450g/litre Paraffinic Oil) at 500ml per 100 litres of spray volume.

**Weeds Controlled:**

Grasses:		Broadleaf weeds:	
Barnyard grass, Bristle grass, Couch, Crowfoot grass, Kikuyu, Pasture grasses (volunteers), Rough brome, grass, Smooth wickgrass, Summer grass, Wild oats.	Bothurst bur, Black nightshade, Groundsel, Fathen, Furnitory, Redroot, Sow thistle, Thorn apple, Twinness, Water pepper, Wild portulaca, Willow weed.	Mercer grass.	Apple of Peru, Bindweed, Buttercup, Californian thistle, Chicory, Dock, Clover, Oxalis, Potatoes (volunteers), Scotch thistle.

**APPLICATION TIMING:**

**Broadleaf weeds:** For best results, ONEHOPE should be applied before weeds have reached the 4 true leaf stage. Weeds larger than 4 true leaf stage may only be suppressed.

**Grass weeds:** Apply when there is sufficient leaf area for good uptake but before the grass has formed a thick layer. Apply to summer grass at a maximum of three tillers or 75mm in length. The maize crop growth stage best for application is between the 2 and 8 leaf stage when the crop is growing vigorously without moisture stress.

**Caution:** Application to maize greater than 500mm in height risks crop injury.

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

**Cultivation:** Do not cultivate during the 10 days before a ONEHOPE 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 ONEHOPE application.

**Caution:** Do not use on sweetcorn or popcorn. Do not use on field maize grown for seed unless tested on existing NZ varieties under NZ conditions.

**APPLICATION:**

Make sure that spray equipment is correctly calibrated. For optimum results, ensure complete spray coverage of the weeds. Do not overspray. Position the boom nozzles between the rows of the maize for direct coverage of weeds. The use of nozzles on droppers from the boom will improve target weed coverage.

Do not apply ONEHOPE into the maize whorls as crop damage may occur.

**Aerial and ground broadcast application:** Apply ONEHOPE herbicide in 100-300 litres of water per hectare. Use the higher water rates where weeds are dense.

**CDA application:** Use a large (250-300 micron) droplet size and apply not less than 30 litres of water per hectare. CDA application may result in less effective weed control than conventional boom spraying.

**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. ONEHOPE is rainfast 6 hours after application.

**COMPATIBILITY:** Indications are that ONEHOPE + PARRAFIN OIL is compatible in tank mixtures with Atarbe. Check with the supplier if dicamba or other post-emergent herbicides are to be tank mixed.

**MIXING INSTRUCTIONS:** Prior to mixing ONEHOPE, thoroughly rinse sprayer, tank, boom, hoses and nozzles with water. Pour ONEHOPE into the spray tank half-filled with water. Complete water filling. Maintain a moderate agitation until the mix is applied. If adding other post-emergence herbicides and/or PARRAFIN OIL, add after ONEHOPE is thoroughly mixed in the half-filled tank. Apply the spray mixture within 24 hours of mixing.

**WITHHOLDING PERIOD:**

This is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residue Limits of Agricultural Compounds) Food Standards.

Sludge maize 56 days.

**SPRAYER CLEANUP:**

To avoid injury to subsequently sprayed sensitive crops, all traces of ONEHOPE must be removed from mixing and spraying equipment immediately after spraying.

1. Drain tank, then flush tank, pump and boom with clean water for 10 minutes.
2. Fill tank with clean water and add 1 litre chlorine bleach (containing 3% sodium hypochlorite) per 100 litres of water. Agitate, flush through the system, allow to stand for 15 minutes with agitation engaged, then drain.
3. Repeat step 2.
4. Remove all nozzles and filters and clean separately. Thoroughly rinse tank and flush clean water through pump and boom to remove all traces of chlorine solution.

**CONDITIONS OF SALE:** The use of ONEHOPE being beyond the control of the suppliers, no Warranty expressed or implied is given by Global Agrichem Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not, and Global Agrichem Ltd accept no responsibility whatsoever resulting from the use of this product.

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**GLOBAL AGRICHEM**

Batch No: \_\_\_\_\_

Date of Manufacture: \_\_\_\_\_

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