

## INSTRUCTIONS - FORMAIZE

### READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

HSNO CLASSIFICATIONS 6.4A, 9.1A, 9.2A.

#### TOXICITY

- **WARNING:** Irritating to eyes.

#### ECOTOXICITY:

- **VERY TOXIC TO FISH WITH LONG LASTING EFFECTS.**  
Do not apply into or onto water. 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. Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.** Do not allow spray drift to occur outside the target area.

#### QUALIFIED HANDLER:

- This product must be under the control of a suitably qualified handler.
- This product must not be used for any purpose or in any manner contrary to this label unless authorised under appropriate legislation.

#### PRECAUTIONS:

- KEEP OUT OF REACH OF CHILDREN.
- Avoid skin and eye contact.
- Avoid breathing dust or spray mist
- When handling, wear eye protection, waterproof gloves, boots and overalls.
- Remove protective clothing and wash hands and face thoroughly before meals and after work.
- Do not eat, drink or smoke while using.

#### STORAGE:

- Store in the original container in a locked, dry, cool area away from foodstuffs, fertilisers and seeds. Avoid storage at temperatures below 5°C and above 35°C
- Stores containing 100 kg of FORMAIZE require signage and more than 100 kg require emergency response plans.

**FIRST AID:** If swallowed DO NOT induce vomiting.

For advice, contact the **National Poisons Centre 0800 POISON (0800 764 766)** or a doctor immediately. If on skin, remove contaminated clothing and wash affected areas of skin. DO NOT SCRUB THE SKIN. If in eyes, flush with running water for at least 15 minutes. Remove contact lenses if present after first few minutes then continue flushing eyes. Get medical advice if irritation persists. If inhaled, remove to fresh air.

#### WARRANTY:

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packaged. The user bears the risk for damage resulting from factors beyond the manufacturers control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

**Registered to:** Shandong Rainbow International Co. Ltd, 19th & 20th Floor, Hanyu Financial Centre, Building A3-4, No. 7000 East Jingshi Road, Jinan, China 250101

**NZ Address:** 6 Horlicks Place, Randwick Park, Auckland 2105. Tel: (021)148 8620

**Marketed and Distributed by:** Donaghys Ltd  
16 Sheffield Crescent, Harewood, PO Box 20 499,  
Christchurch 8543, Tel: 0800 942 006

Batch: RF20RFA2220

D.O.M.: 10/07/2020



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#### RECORD KEEPING:

- Records of use as described in the New Zealand Standard 8409 Management of Agrichemicals, must be kept if more than 3 kg of FORMAIZE is applied within 24 hours.

#### DISPOSAL:

- Triple rinse empty container and add rinsate to the spray tank.
- Dispose of product only by using according to the label or at an appropriate landfill.
- Recycle empty container. Otherwise crush and bury empty container in suitable landfill. Do NOT use the container for any other purpose.
- Avoid contamination of any water supply with chemical or empty container.

#### SPILLAGE:

- Wear suitable protective clothing including face shield, impervious gloves and boots. Prevent material from entering waterways. Contain liquid spills and absorb with inert material. Shovel or sweep up and dispose of waste safely in an approved landfill.

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

#### GENERAL INFORMATION:

FORMAIZE 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

FORMAIZE contains a GROUP B herbicide belonging to the sulfonylurea group of chemistry with the inhibition of acetolactase 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.nzpps.org/resistance>.

#### DIRECTIONS FOR USE IN MAIZE:

Do not apply more than 110 g/hectare more than once a year.

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### DOSAGE RATES:

**Couch control:** Use FORMAIZE at 80g per hectare with the addition of a 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 FORMAIZE at 110g per hectare with the addition of a 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 FORMAIZE 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 FORMAIZE and use in soil areas where the organic matter level is low to medium. Add a 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 FORMAIZE 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 FORMAIZE and use in soil areas where the organic matter level is low to medium. Add a 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 FORMAIZE at 80-110g per hectare. The higher rate will improve control. Add a spray adjuvant (containing 450g/litre paraffinic oil) at 500ml per 100 litres of spray volume.

### Weed spectrum:

| WEEDS CONTROLLED  | WEEDS SUPPRESSED   |
|---|--|
| <b>Grasses:</b> Barnyard grass, Bristle grass, Couch, Crowfoot grass, Kikuyu, Pasture grasses (volunteers), Rough bristle grass, Smooth witchgrass, Summer grass, Wild oats.  | <b>Grasses:</b> Mercer grass.  |
| <b>Broadleaf weeds:</b> Bathurst bur, Black nightshade, Groundsel, Fathen, Fumitory, Redroot, Sow thistle, Thorn apple, Twincrest, Water pepper, Wild portulaca, Willow weed. | <b>Broadleaf weeds:</b> Apple of Peru, Bindweed, Buttercup, Californian thistle, Chicory, Dock, Clover, Oxalis, Potatoes (volunteers), Scotch thistle. |

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### Timing of application:

**Broadleaf weeds:** For best results, FORMAIZE 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 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.

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

### 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. FORMAIZE is rainfast 6 hours after application.

### Compatibility:

Indications are that FORMAIZE + Paraffinic oil is compatible in tank mixtures with Atrazine 900 WG and Atrazine 500 SC. Check with the supplier if dicamba or other post-emergent herbicides are to be tank mixed.

### Mixing Instructions:

Prior to mixing FORMAIZE, thoroughly rinse sprayer, tank, boom, hoses and nozzles with water. Pour FORMAIZE into the spray tank half-filled with water then fill the tank while moderately agitating. Maintain a moderate agitation until the mix is applied. If adding other post-emergence herbicides and/or paraffin oil adjuvant then add these after FORMAIZE is thoroughly mixed in the half-filled tank. Apply the spray mixture within 24 hours of mixing.

**Application:** Make sure that spray equipment is correctly calibrated. For optimum results, ensure complete spray coverage of the weeds. Position the boom nozzles between the rows of the maize for direct coverage of weeds. The use of nozzles on droppers from the

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boom will improve target weed coverage. The use of nozzles on droppers from the boom will improve target weed coverage. Do not overspray and do not apply FORMAIZE into the maize whorls as crop damage may occur.

**Aerial and ground broadcast application:** Apply FORMAIZE in 100-300 litres of water per hectare. Use the higher water rate 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.

**Sprayer Cleanup:** To avoid injury to subsequently sprayed sensitive crops, all traces of FORMAIZE 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.

**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.**

### **Withholding period:**

Silage maize 56 days.

### **RESISTANCE MANAGEMENT**

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Registered pursuant to the ACVM Act 1997, P8974

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved under the HSNO Act 1996, HSR007864

See [www.epa.govt.nz](http://www.epa.govt.nz) for controls.

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