



**ECOTOXIC**  
**KEEP OUT OF REACH OF CHILDREN**



# **METKING<sup>®</sup>**

## **HERBICIDE**

A herbicide for the control of brushweeds including gorse, broom and blackberry. Also controls other woody and broadleaf weeds.

**ACTIVE INGREDIENT:** Contains 600 g/kg metsulfuron-methyl in the form of a water dispersible granule (WG).

**NET CONTENTS: 1 KG**



# READ THE LABEL CAREFULLY BEFORE USING METKING

**HSNO CLASS: 6.3B, 6.4A, 9.1A, 9.2A.**

## TOXICITY:

**HARMFUL:** May cause skin irritation.  
May cause eye irritation.

## ECOTOXICITY:

**VERY TOXIC TO FISH WITH LONG LASTING EFFECTS.** 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. This substance may damage desirable plants. Take steps to prevent spray drift or application to non-target plants.

## APPROVED HANDLER:

This product must be under the control of an approved handler when it is applied in a wide dispersive manner or 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.

## PRECAUTIONS:

Keep out of the reach of children.

Avoid contact with skin, eyes and inhalation of spray mist.

When handling, wear eye protection, waterproof gloves, boots and overalls.

Remove protective clothing and wash hands and face thoroughly before eating 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.  
Store in accordance with the current version of NZS 8409 Management of Agrichemicals.  
Stores containing 100kg of METKING require signage and secondary containment. More than 100kg requires emergency response plans.

## EQUIPMENT:

Apply using well maintained and accurately calibrated equipment. Clean equipment thoroughly after use. Decontaminate equipment before use on sensitive plants.

## DISPOSAL:

Dispose of product only by using according to the label directions. Alternatively dispose of safely at an approved landfill.

Triple rinse empty container and add rinsate to the spray tank.

Crush and bury empty container in a suitable landfill. Do NOT use the container for any other purpose. Avoid contamination of any water supply with chemical or empty container.

## SPILLAGE:

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

**FIRST AID:** If swallowed: DO NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 764) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If inhaled in eyes, wash out immediately with running water for several minutes. If inhaled more the patient to splash air in immediately. Begin artificial respiration if breathing has stopped.

**RECORD KEEPING:** Records of use as described in NZS 8409 Management of Agrichemicals must be kept for more than 3 years of METKING is applied within 24 hours.

## RESISTANT WEEDS WARNING: GROUP B HERBICIDE

METKING contains a Group B Herbicide belonging to the sulphonylurea group of chemistry with the inhibition of acetolactate synthase (ALS) mode of action. Naturally occurring biotypes resistant to sulphonylurea herbicides are known to exist. These resistant weeds may dominate the population when METKING or other related herbicides are used exclusively. To minimise risks, use strictly in accordance with label instructions. For further information see [www.resistantweeds.org.nz](http://www.resistantweeds.org.nz).

**GENERAL INFORMATION:** METKING is a water dispersible granule to be mixed in water and applied as a fallow spray for control of many scrub weeds, particularly gorse and blackberry in pasture and waste areas. It is non-corrosive, non-flammable and non-volatile. It is rapidly absorbed by foliage and translocated through the plant, which causes deterioration and eventual death of the plant. Best results are obtained when applied from late spring to late autumn when weeds are not under stress.

**MIXING:** Add the required amount of METKING to the partly filled tank with the agitation system running. Maintain agitation throughout mixing and application.

**COMPATIBILITY:** METKING is compatible with most commonly used herbicides. For pasture application do not mix with hormone type herbicides such as 2,4-D or MCPA as severe pasture damage may result.

**RAINFALL:** Do not spray METKING if rain is expected within 6 hours, however 12 hours drying is preferable.

## APPLICATION:

**Handgun Spraying:** Apply to achieve full coverage of foliage and stems and penetration into plants. Use pressures of 1,000 to 2,000 kPa preferably through a No.4 or No.6 spray tip. Use no less than 1000 litres of spray per hectare. The size of target plant will dictate the amount of spray required.

**Knapsack Spraying:** Use only on small bushes and scrub where full coverage of foliage and stems is possible.

**Misting:** Obtain full coverage of foliage and stems and penetration into plants. Use largest setting on U.L.V. attachments.

## Aerial Application:

- Standard Boom System: Apply a minimum of 200-300 litres of water per hectare as two overlapping passes of 100-150 litres per hectare.
- Fanning or Baffle System: Apply in a minimum of 230 litres of water per hectare as two overlapping passes of 115 litres per hectare.

## AERIAL APPLICATION IS RECOMMENDED ONLY IN NON-AGRICULTURAL AREAS

### Carpet Roller/Wiper Application

For control of ragwort, buttercup, Scotch, California, winged and nodding thistles, grass pasture to maximum height difference between pasture and weeds. Pre-mix 1g METKING per litre of water and ensure roller is kept well before starting off. For heavy weed infestations, a second pass in the opposite direction will give best results. Keep wiping area moist and free of debris. To prevent localised pasture damage avoid dripping from the roller/wiper.

**Slump swabbing:** For gorse, blackberry mix 2g METKING per litre of water and apply liberally with brush to freshly cut surface and stem to ground level.

**Stem Injection:** For poplars, willows, pine and juniper mix 20g per litre of water and inject 2ml of solution into cuts and holes made at 10cm intervals in trunk. Control of larger willows may be variable.  
**Forestry: Radiata Pine (Only):** Use only as a pre-plant treatment. Apply at a dosage rate of 170g per hectare for control of bracken, blackberry and seedling gorse. DO NOT plant trees within 2 months of spraying.

**METKING must not be applied into, onto or over water.**  
**SPRAYER CLEAN-UP:** To avoid damage to subsequently sprayed crops, thoroughly remove all traces of METKING from mixing and spray equipment as follows:

- Drain tank, then flush tank, boom and hoses with a clean water for a minimum of 10 minutes.
- Fill the tank with clean water and add 1 litre chlorine bleach (containing 3% sodium hypochlorite) per 100 litres of water. Flush through with agitation then drain.
- Repeat step 2.
- Nozzles and screens should be removed and cleaned separately. To remove traces of chlorine bleach, rinse tank thoroughly with clean water and flush through hoses and boom.

**RE-ESTABLISHMENT OF PASTURE:** METKING may damage dovers and ryegrass. Residues of METKING in the soil may prevent early re-establishment of clovers and ryegrass after treatment. The period that residues persist in the soil will vary according to site conditions such as climate, soil and the rate used. Allow a minimum period of three months before overseeding treated areas with clover or ryegrass. It is advisable that small areas be oversewn 1-2 months before the planned sowing date to check for possible harmful residues. Where quick cover of vegetation is required a resistant grass such as browntop or cocksfoot can be oversewn.

**ALKALINITY:** Where water has a high pH or water containing calcium salts cannot be avoided, the addition of a buffering agent is recommended to reduce chemical deactivation and hydrolysis.

**WEEDS NOT CONTROLLED:** Black nightshade, woolly nightshade, woolly nightshade, bothhorn and many grass species including browntop, cocksfoot, kikuyu, pampas grass and paspalum.

## SITUATIONS FOR USE/DIRECTIONS FOR USE:

Weed Species	Handgun Rate g/100 litres	Knapsack Rate g/10 litres	Mist/blower Rate g/10 litres	Boom/Aerial and ground Rate g/ha	Critical comments
Barberry	35	5	10	-	Apply from November to May. Best results come from spraying single bushes less than 2m high.
Blackberry	20-35	5	10	200-300	Use higher rate on harder to kill bushes (found in some Northland areas and on the East coast of the North Island). May be applied from November to June, but for best results apply from January to May. Apply prior to leaf discoloration.
Bracken	35	5	10	170	Apply when fronds are unfurled (January to June) but before frost browsing. Best results can be expected from plants one burnt and frond regrowth is sprayed.
Broom	35	5	10	-	Apply when weeds are actively growing preferably November to May. Add an organosulfone penetrant at 100ml/100litres.
Fennel	5	1	2	-	Apply to actively growing weeds.
Broodleaf weeds	5	1	2	50	Apply to actively growing weeds.
Gorse	20	5	10	20 U/LV	Apply at any time of year. Add an organosulfone penetrant at 100ml/100litres.
Seedling Gorse	-	-	-	170	-
Horsetail	35	5	10	-	Apply to actively growing weeds preferably November to May. Apply to singular bushes that are not less than 3 months high for optimum results.
Horehound	-	-	-	75	Apply when weeds actively growing. Use in wet soils or steep slopes where pasture damage is acceptable.
Inweeds	25	5	10	50	Apply to actively growing weeds.
Manuka	30	5	10	-	Ensure complete coverage of all parts of the tree for complete control.
Matagouri	25	5	10	170	Apply when actively growing. December to April.
Old Mans Beard	35	5	10	170	Apply from November to May. Add an organosulfone penetrant at 100ml/100litres.
Privet	35	5	10	-	Apply when actively growing, spring or autumn.
Sweet Brier	35	5	10	170	Apply to actively growing weeds from November to April. Ensure complete plant coverage.
Tutu	25	5	10	-	Apply to actively growing weeds.

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:** Do not graze sprayed areas with dairy cows within 3 days after application or 1 day after with other stock. When spraying ragwort, plants become more palatable to stock, so do not allow stock onto sprayed areas until plants have died.

**CONDITIONS OF SALE:** The use of METKING 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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**Batch No:** \_\_\_\_\_ **Date of Manufacture:** \_\_\_\_\_  
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