



The miracles of science®

DuPont™ Harmony® 50 SG herbicide

Technical Information

Active Ingredient:

500 g/kg THIFENSULFURON-METHYL in the form of a water soluble granule.

Pack Sizes:

150 g

ECOTOXIC

FOR CONTROL OF BUTTERCUPS AND DOCK IN PASTURE, WHEAT, BARLEY AND OATS. FOR USE IN CONSERVATION TILLAGE.

Registered pursuant to the ACVM Act 1997 No. P7423

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

Approved pursuant to the HSNO Act 1996 Code HSR001742

READ LABEL BEFORE MIXING AND APPLYING

HAZARD CLASSIFICATION

9.1A, 9.2A

APPROVED HANDLER

This product must be under the control of an approved handler during use.

Use of this product in any manner contrary to this label may be an offence under the HSNO Act.

ECOTOXIC

Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Very toxic to the soil environment.

DO NOT allow spray drift outside the target area.

PRECAUTIONS

Keep out of reach of children.

Avoid skin and eye contact. Avoid breathing dust or spray mist. **DO NOT** eat, drink or smoke while using. When mixing or applying wear waterproof gloves, hat, overalls and footwear. Wash hands and face before meals and after work.

Store in original container, tightly closed and under lock and key. **DO NOT** store with Class 1, 2, 3.2, 4 or 5 substances or feed, seeds or foodstuffs. Stores containing more than 100 kg of this product require secondary containment and are subject to signage. When stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

DISPOSAL

Container disposal: Triple rinse empty container and add rinsate to spray tank. Burn, if circumstances, especially wind direction permit, otherwise bury in an approved landfill. **DO NOT** reuse container. Dispose of this product only by using according to this label. Always follow local authority requirements.

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. Take to hospital without delay. If inhaled, remove to fresh air. Take to hospital without delay.

SPILLAGE

Wear appropriate protective clothing. Shovel or sweep up and dispose of waste safely in an approved landfill.

BEWARE: APPLY THIS PRODUCT CAREFULLY. SPRAY DRIFT MAY CAUSE SERIOUS DAMAGE TO OTHER DESIRABLE PLANTS.

GENERAL INSTRUCTIONS

Harmony® 50SG is a soluble granule to be mixed with water and applied as a foliar spray for control of buttercups and docks in pasture and cereals. It can also be used for conservation tillage. Best results are obtained in the spring when weeds are actively growing within a vigorous, competitive pasture or cereal crop. Harmony® 50SG stops growth of susceptible weeds, however, typical symptoms (discolouration) of dying weeds may not be noticeable for 2 - 3 weeks after application. **DO NOT** apply Harmony® 50SG to pasture or cereal crops that are stressed by weather conditions such as drought, frost, water saturated soil or insect attack. Otherwise crop damage may occur. **DO NOT** apply to grass or clover seed crops or hay crops.

DIRECTIONS FOR USE

Mixing Instructions

Harmony® 50SG mixes easily with water. For best results the following mixing procedure should be followed. Using the measuring guide provided, measure the correct amount of Harmony® 50SG required for the area to be sprayed and add to the tank. Agitation during mixing and application is required. Use Harmony® 50SG spray mixtures within 24 hours of preparation as product degradation may occur.

Spray Volumes

Use a well maintained, accurately calibrated sprayer. A range of 60 - 300 litres per hectare is recommended. Avoid overlapping and shut off spray booms while starting, slowing or stopping as pasture/crop damage may occur.

PASTURE

Apply Harmony® 50SG 1 - 2 weeks after the area has been grazed, when the maximum number of weed seedlings and young plants are present. Rain occurring up to 4 hours after application may reduce the effectiveness of the product.

Weed Species	Rate g/ha	Comments
Docks	30	Spray in spring when docks are in full leaf, DO NOT spray after seed heads begin to emerge or immediately after grazing. Well established docks with large root systems may require a followup treatment.
Buttercups (annual) and creeping buttercup		Apply in spring when weeds are actively growing.
Giant buttercup		Apply during spring. Follow up treatments may be necessary.

Knapsack Application

Mix 1.5 g Harmony® 50SG in 10 litres water and apply to 500 m².

Resistant Weeds

Includes thistles, plantains, dandelion and ragwort. If these weeds are a problem add a herbicide with an approved label claim for the control of these species.

Compatibility

Experience to date suggests that Harmony® 50SG is compatible with MCPA, MCPB, 2,4-D and glyphosate. However, a reduction in long term control of docks has occurred when tank mixed with 2,4-D or MCPA.

Effects on Pasture

Yellowing and a reduction in vigour of pasture species usually occurs following the application of Harmony® 50SG. Complete recovery, particularly of clovers, may take up to 4 months, depending on pasture vigour before spraying and growing conditions afterwards.

WHEAT, BARLEY, OATS

Apply 30 g Harmony® 50SG per hectare plus surfactant at any time after the crop is in the two leaf stage but before the 'boot' stage. For best results apply to small actively growing weeds before crop canopy closes in. Where treatment is delayed or where weeds are not actively growing due to adverse conditions, weeds may only be stunted or suppressed. The following weeds are controlled by Harmony® 50SG: Docks, Buttercups (Annual), Creeping Buttercup, Cornbind.

CONSERVATION TILLAGE

(Forage brassicas, cereals, new pastures, peas, potatoes, squash, maize, lucerne.)

For control of buttercups and docks use Harmony® 50SG at 30 g per hectare in combination with glyphosate (36%, that has an accepted label claim for conservation tillage) before the crop is sown. **DO NOT** sow crops within 14 days of applying Harmony® 50SG.

Note: Transient damage may occur on some crops sown following the application of Harmony® 50SG, but this is unlikely to affect crop yields. However, trials have shown that perennial ryegrass may be reduced in growth

SPRAYER CLEANUP

To avoid subsequent injury to crops after spraying thoroughly remove all traces of Harmony® 50SG from spray equipment as follows:

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

WITHHOLDING PERIOD

DO NOT graze treated areas for 7 days after application.

RECORD KEEPING

Records of use, as described in The New Zealand Standard for the Management of Agrichemicals (NZS8049) must be kept.

IMPORTANT

Injury to or loss of desirable trees or other plants may result from failure to observe the following. **DO NOT** apply or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. **DO NOT** use on lawns, walks, driveways, tennis courts or similar areas. Application to drains and irrigation channels must only be made when these waterways are dry and at least two months is allowed to elapse before the channels are used for carrying water. Prevent drift of granules or spray to desirable plants. Keep from contact with fertilisers, insecticides, fungicides and seeds.

RESISTANT WEEDS WARNING

Harmony[®] 50SG herbicide is a member of the sulfonylurea group of herbicides. Naturally occurring biotypes resistant to sulfonylurea herbicides are known to exist. These resistant weeds will not be controlled by Harmony[®] 50SG or other sulfonylurea herbicides.

To prevent or delay the development of resistant weeds use Harmony[®] 50SG in tank mixes (if appropriate) and/or rotations with herbicides having different modes of action effective on the same weed species.

Since the occurrence of resistant weeds is difficult to detect prior to use, DuPont accepts no liability for any losses that may result from the failure of Harmony[®] 50SG to control resistant weeds.

NOTICE TO BUYER

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use of application, all of which are beyond the control of DuPont. To the extent permitted at law DuPont shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer.

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