

Front Label

**HARMFUL
CORROSIVE
ECOTOXIC**

Keep out of reach of children

AGPRO 2,4-D Amine 800 WSG

Active Ingredient:

800g/kg 2,4-D as the dimethylamine salt in the form of a water soluble granule.

Non-volatile 2,4-D soluble granules for broadleaf weed control in cereals and pasture.

Net Contents: 1kg, 5kg, 10kg, 20kg



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08-05-2018

Back Label

HAZARD CLASSIFICATION

6.1D, 6.5B, 6.9A, 9.1B, 9.2A, 9.3B

APPROVED HANDLER

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

This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

TOXIC

Warning – this substance may be harmful if swallowed, inhaled or absorbed through the skin. May cause mild skin irritation. Avoid skin contact. May cause organ damage from repeated oral exposure at high doses.

CORROSIVE

Danger – this product is corrosive and may cause eye damage.

ECOTOXIC

Toxic to aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container. Application to drains, ditches and irrigation channels must only be made when these waterways are dry and at least one month is allowed to elapse before the channels are used to carry water.

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.

Ensure compliance with relevant regional air management plans. To minimise the risk of damage from drift of this product, especially where susceptible vegetation is within 0.5km, use low drift nozzles which minimise the production of small droplets (less than 100 microns). Maintain a water rate of at least 30 litres/ha for aerial spraying. Do not add additional wetter unless specified on the label. Preferred wind conditions for spraying are a light constant breeze away from any sensitive crop.

Toxic to terrestrial vertebrates.

HANDLING PRECAUTIONS

STORAGE

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds, and fertilizers. Storage must be in accordance with NZS8409 Management of Agrichemicals.

Stores containing 100kg of AGPRO 2,4-D Amine 800 WSG are subject to signage and more than 1000kg require emergency response plans.

PERSONAL PROTECTION

When handling wear eye protection, waterproof gloves, boots and overalls. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before, during and after work.

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EQUIPMENT

Apply using well maintained spray equipment that is accurately calibrated to apply 100-300 litres of water/ha for ground spraying and 30-100 litres of water/ha for aerial spraying. Use higher water rates for larger weeds.

DISPOSAL

Burn empty container in an appropriate incinerator if circumstances such as wind direction permit. Otherwise crush and bury in a suitable landfill.

Dispose of product only by using according to the label, or at an appropriate 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 skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

Spillage: Wear appropriate protective clothing and prevent material from entering waterways. Sweep up solids without generating dust. Contain liquid spills and absorb with inert material. Dispose of waste safely in an approved landfill.

Transport: Do not carry this product on a passenger service vehicle.

Record Keeping: Records, as described in the current NZS8409 Management of Agrichemicals, must be kept whenever AGPRO 2,4-D Amine 800 WSG is used.

Mixing: Add two thirds of the required quantity of the water to the spray tank. With the agitation system going, add the product to the spray tank. Agitate for 3-5 minutes while adding remaining water. Ensure AGPRO 2,4-D Amine 800 WSG is completely dissolved before spraying.

Cleaning: Flush equipment thoroughly with clean water after use. If the spray unit which has applied AGPRO 2,4-D Amine 800 WSG is to be used for the application of other chemicals to sensitive crops, ensure the unit is completely decontaminated.

Compatibility: AGPRO 2,4-D Amine 800 WSG is compatible with most other agricultural chemicals. AGPRO 2,4-D Amine 800 WSG may be incompatible with some foliar fertilizers, especially where water rates below 50L/ha are used. If compatibility is unknown, make up a small test batch before mixing large quantities. AGPRO 2,4-D Amine 800 WSG is not compatible with Reaction 9-5-6 or Reaction 14-4-4.

Resistant Weeds Warning: Naturally occurring biotypes resistant to AGPRO 2,4-D Amine 800 WSG and other phenoxy herbicides are known to exist. These become more prevalent after many years of continuous use of the product. Species with known resistant biotypes include nodding thistle, giant buttercup and slender winged thistle. To prevent or delay the development of resistant weeds use AGPRO 2,4-D Amine 800 WSG in tank mixes where appropriate, and/or in rotations with herbicides having a different mode of action against the weed.

Shelf Life: 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.



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General Comments: AGPRO 2,4-D Amine 800 WSG is damaging to clovers, especially red, suckling and subterranean clover, and plantain and chicory. To minimize clover damage where clovers are actively growing, hard graze to remove as much clover leaf as possible before spraying. Do NOT spray hay or silage paddocks. After spraying with AGPRO 2,4-D Amine 800 WSG, poisonous plants (eg ragwort) may become more palatable. Stock should be kept away from the area until the plants have died down. AGPRO 2,4-D Amine 800 WSG will control a wide range of pasture weeds. Weeds are best controlled as small seedlings. Use the lower rate on seedlings and the higher rate on larger weeds, or during periods of hardened growth. Do not apply if crop or weeds are stressed. Weed control may be unsatisfactory where low soil temperatures inhibit plant growth. Larger plants and established biennials are often not well controlled, and perennial plants are not well controlled. Buttercups and thistles are generally better controlled with AGPRO MCPA 750. Some weeds (eg Californian thistle, bindweed) require repeat applications. To improve control of large thistles, or phenoxy resistant thistles add AGPRO Cloralid 300 at 100ml/ha. AGPRO Cloralid 300 will severely suppress clover growth and clovers may take 6-12 months to recover.

Weeds Controlled:

AGPRO 2,4-D Amine 800 WSG controls or severely checks the following:

Allseed, apple of Peru, Bathurst bur, bitter cress, black nightshade, burdock, bur medick, buttercups, Canadian fleabane, catsear, charlock, chicory, cornbind, cresses, dandelion, dove's foot, fathen, field bindweed, foxglove, groundsel, hawkbit, hawksbeard, hawkweed, hedge mustard, mouse-ear chickweed, nettles, oxtongue, parsley dropwort, penny cress, pennyroyal, pipiripi, plantains, ragwort, red dead nettle, redroot, selfheal, shepherd's purse, storksbill, thistles, twin cress, vetch, wart cress, wild mustard, wild carrot, wild parsnip, wild radish, wild turnip, willow weed.

Weeds Controlled as Seedlings Only: Cape weed, creeping mallow, cut-leaved geranium, daisies, docks, fennel, spurrey, willow weed.

AGPRO 2,4-D Amine 800 WSG Does Not Control: Field chickweed, cleavers, grasses, hydrocotyle, stinking mayweed, oxalis, prostrate amaranth, parsley piert, pearlwort, sorrel, staggerweed, stonecrop.

AGPRO 2,4-D Amine 800 WSG may be used for weed control in newly established pastures where weeds are too large for, or not well controlled by AGPRO MCPB Extra. Do not exceed 1.5kg per hectare. If red clover was sown do not exceed 1kg/ha. Clover should have at least 3 trifoliate leaves, and pastures **must be grazed** prior to application to remove clover foliage and minimise clover damage. Ensure any nitrogen deficiency is addressed before applying AGPRO 2,4-D Amine 800 WSG. Apply AGPRO 2,4-D Amine 800 WSG 3-7 days after the first full grazing. Clover growth will be suppressed for 3-4 months. Application of AGPRO 2,4-D Amine 800 WSG to ungrazed seedling clovers may result in some plant mortality. Rainfall within 6 hours following application may reduce effectiveness.

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.



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Directions for Use:

CROP	RATE kg/ha	NOTES
Wheat Barley Millet Ryecorn	1-1.5	Apply from 6 leaf stage to jointing (when nodes are visible at the base of the stem). Do not apply to wheat or barley between jointing and flowering. Rapidly growing spring sown cereals should be treated with AGPRO MCPA 750. Critical comment: Application to crops outside recommended growth stages or crops stressed due to insect damage or moisture stress may cause serious injury including yield loss. Inspect crops before application to check condition and growth stage.
Oats	1	Use only on autumn sown oats and treat in the following spring when plants are fully tillered. Use AGPRO MCPA 750 on spring sown oats.
Pasture	1-3	Refer to Weeds Controlled Table for guidance. Graze area to be treated to expose weeds and reduce clover leaf. Then leave one week to freshen up before spraying. As treated weeds are more palatable to stock, avoid grazing for 7 days after spraying.

Weeds Controlled in Cereals:

At 1kg/ha – fathen, hedge mustard, nettles, shepherd’s purse, wild turnip.

At 1.5kg/ha – black nightshade, calandrinia, docks (seedlings), thistles.

Checked at 1.5kg/ha – chamomiles, cornbind, regrowth docks, fumitory, spurrey, stinking mayweed, willow weed, wireweed, yarrow, vetch. For best results use an alternative cereal herbicide.

Weeds Controlled in Pasture:

WEED	RATE kg/ha	STAGE	NOTES
Apple of Peru	2	Spray young plants	Only susceptible when young.
Bathurst Burr	1.5-2	Seedlings only	
Black nightshade	1.5-2	Seedlings	
Bur medick	1-1.5	Seedlings	
	1.5-2	Small rosettes	
Californian thistle	1.5-2	Hard ball stage	Do not spray hay or silage paddocks. Graze paddocks before application to remove clover foliage. Some clover suppression may occur. Repeat applications will be required to achieve good levels of control.
Catsear	1-1.5	Seedlings	
	1.5-2	Small rosettes	
Charlock	1.5	Rosette stage	
Cresses	1-1.5	Seedlings	
	1.5-2	Small rosettes	
Dandelion	1-1.5	Seedlings	
	1.5-2	Small rosettes	
Docks	2.5	2-4 leaf seedlings only	Will not control regrowth from root chips.
Fathen	1-2	Spray pre flowering	
Hedge mustard	1-1.5	Seedlings	
	1.5-2	Small rosettes	



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Weeds Controlled in Pasture:

WEED	RATE kg/ha	STAGE	NOTES
Hemlock	2-3	Seedlings / young rosettes	Multi crown or 2nd year plants will not be controlled (toxic to stock).
Mustards	1-2.5	2-4 leaf up to rosette	
Nettles	1.5-2.5	Seedlings – young plants	Graze to expose weeds and reduce clover.
Nodding thistle	2	Seedlings	Root crowns less than 2cm.
	2.5-3	Rosettes	Root crowns 2-4cm, before flower stalk develops.
Parsley dropwort	2.5	Seedlings	
Pennyroyal	1.5-2	Prior to flowering	Apply in spring after seeding germination
Plantains	2-2.5	Seedlings to small rosettes	
Ragwort	2-3	Seedling / small rosettes	Large rosettes or multicrowns require spot treatment with other herbicides.
Redroot	1-1.5	Seedlings	
	1.5-2	Small rosettes	
Scotch thistle	1-1.5	Seedlings	
	1.5-2	Rosettes	
Shepherd's purse	1-2	Seedlings / small rosettes	
Storksbill	1.5-2	Seedlings	Graze to expose weeds and reduce clover.
	2-3	Rosettes	Well established plants may only be checked.
Thornapple	3	Seedlings only	Established plants are not well controlled.
Variegated thistle	1.5-2	Seedlings	
	2-3	Rosettes	Less than 15cm diameter
Vetch	1.5	Spray at multiple leaf stage	
Wild carrot	2.5	Seedlings	
Wild radish	1.5-2.5	Seedlings to young rosette stage	
Wild turnip	1.5	2-4 leaf up to rosette stage	
Willow weed	2-3	Seedlings	Established plants are not well controlled.
Winged thistle	2	Seedlings	
	2.5-3	Rosettes	Prior to flower stalk development



Back Label

Plant Back Periods: 2,4-D has soil activity which may be exacerbated by dry soil conditions. To ensure that susceptible species (e.g. brassicas, grasses, clovers) are not damaged by 2,4-D soil residues, do not plant for 4 weeks after application.

Aerial Application: Read Spray Drift Hazard section of this label.

High Volume Spot Treatment: Use 500g/100 litres water with a pressure of 600-800kPa and a No. 4 tip and apply as a fine wetting spray. Spray marker dye can be used to identify treated plants.

Knapsack: Use 50g/10 litres water

Conditions of Sale: The use of AGPRO 2,4-D Amine 800 WSG herbicide being beyond the control of the manufacturer, no warranty expressed or implied, beyond that cover under the Fair Trading Act is given by AGPRO NZ Limited 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 AGPRO NZ Limited accepts no responsibility for any consequence whatsoever resulting from the use of this product.

Registered pursuant to the ACVM Act 1997, No. P008604

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

Approved pursuant to the HSNO Act 1996, Approval Code HSR100573.

See www.epa.govt.nz for approval controls.

Registered By:

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A handwritten signature in blue ink, appearing to be 'Mark Zimmig', written over the bottom of the stamp.

08-05-2018