

TOXIC • ECOTOXIC • CORROSIVE
KEEP OUT OF REACH OF CHILDREN

AGPRO 2,4-D AMINE 625

SELECTIVE HERBICIDE

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

Contains: 625 g/litre 2,4-D as the dimethylamine and the diethanolamine salts, in the form of a soluble concentrate

GROUP	01	HERBICIDE
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READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING.

Approved pursuant to HSNO Act 1996 No HSR000367
See www.epa.govt.nz for approval conditions
Registered pursuant to the ACVM Act 1997 No P009786
See www.foodsafety.govt.nz/acvm/ for registration conditions

Date of manufacture:
Batch no:
Net contents: 20L

Registered to and distributed by:

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HSNO CLASSIFICATION

6.1C, 6.9A, 8.3A, 9.1B, 9.2A, 9.3B



TOXICITY: Toxic – May be fatal if swallowed, inhaled or absorbed through the skin. 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. Avoid contamination of any water supply with product or empty container.

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.

APPROVED HANDLER: This product must be under the personal control of an approved handler at all times unless secured.

HANDLING PRECAUTIONS:

STORAGE: Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds, and fertilisers. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100 litres of AGPRO 2,4-D Amine 625 SC requires signage and secondary containment, and more than 100 litres require emergency response plans.

PERSONAL PROTECTION Avoid contact with skin or eyes and inhalation of spray mist.

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 meals and after work. Wash protective clothing daily after work.

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: Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise, crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

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 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.

SAFETY DATA SHEET

A Safety Data Sheet is available from AGPRO NZ LTD on request.

SPILLAGE

Wear appropriate protective clothing and prevent material from entering waterways. Absorb spill with inert material and place in waste containers. Wash area with water and absorb with further inert material.

Dispose of waste safely in an approved landfill.

TRANSPORT

Do not carry this product on a passenger service vehicle.

TRACKING & RECORD KEEPING

This product requires tracking. The location and movement of this product must be recorded at each stage of its lifecycle as described in NZS 8409 Management of Agrichemicals.

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.

MIXING

Pour the measured quantity of AGPRO 2,4-D Amine 625 into the partially filled spray tank and with the agitator running top up with the remainder of the water. Keep agitated during use.

CLEANING

Flush equipment thoroughly with clean water after use. Decontaminate before using on plants that are sensitive to 2,4-D.

DECONTAMINATION

After thoroughly washing the tank and flushing the system with clean water, quarter fill the tank, add 500g of an alkali detergent and circulate throughout the system for 15 minutes. Drain the system. Remove the filters and nozzles and clean them separately. Then flush the system with clean water and allow to drain.

COMPATIBILITY

AGPRO 2,4-D Amine 625 is compatible with most other agricultural chemicals, including AGPRO Meturon, Cloralid 300, Flumetsulam, Dicamba 500g/L and AGPRO Crop Oil.

RESISTANCE WEED WARNING:

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Resistance to this herbicide could develop from excessive use. To minimise this risk use strictly in accordance with label instructions. AGPRO 2,4-D Amine 625 contains and belongs to the phenoxy group of chemistry. AGPRO 2,4-D Amine 625 has the disruption of plant cell growth mode of action. Naturally occurring weed biotypes, resistant to AGPRO 2,4-D Amine 625 and other phenoxy herbicides, are known to exist. Species with known resistant biotypes include nodding thistle, giant buttercup and slender winged thistle. Resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. Resistant weeds will not be controlled by AGPRO 2,4-D Amine 625 or other phenoxy herbicides. To prevent or delay the development of resistance use AGPRO 2,4-D Amine 625 in tank mixtures where appropriate and/or in rotation with herbicides having a different mode of action against the weed.

GENERAL COMMENTS

AGPRO 2,4-D Amine 625 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 then leave for a few days to freshen up before spraying. Do NOT spray hay or silage paddocks.

After spraying with AGPRO 2,4-D Amine 625, 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 625 will control a wide range of pasture weeds, including thistles and ragwort. 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 MCPA 750. Some weeds (eg Californian thistle, bindweed) require repeat applications.

Rainfall within 6 hours of application may reduce effectiveness.

To improve control of large thistles, or phenoxy resistant thistles add Clopyralid 300g/L at 100ml/ha. Clopyralid 300g/L will severely suppress clover growth and clovers may take 6-12 months to recover.

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.

DIRECTIONS FOR USE

Crop	Rate L/ha	Note
Wheat Barley Millet Ryecorn	1.3-2.0	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 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	1.3	Use only on autumn sown oats and treat in the following spring when plants are fully tillered. Use MCPA 750 on spring sown oats.
Pasture	2-4	Use 2L/ha for seedlings and small plants and 4L/ha for more mature plants. Treat seedling weeds in late autumn/early winter. Graze area to be treated to expose weeds and reduce clover leaf. Then leave for 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 1.3L/ha – fathen, hedge mustard, nettles, shepherd's purse, wild turnip.

At 2L/ha – black nightshade, calandrinia, docks (seedlings), thistles.

Checked at 2L/ha – chamomiles, cornbind, regrowth docks, fumitory, spurrey, stinking mayweed, willow weed, wireweed, yarrow, vetch. For best results use an alternative cereal herbicide.

WEED	RATE L/ha	STAGE	NOTES
Apple of Peru	2.56	Spray young plants	Only susceptible when young.
Bathurst Burr	1.92-2.56	Seedlings only	
Black nightshade	1.92-2.56	Seedlings	
Bur medick	1.28-1.92	Seedlings	
	1.92-2.56	Small rosettes	
Californian thistle	1.92-2.56	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	1.28-1.92	Seedlings	
	1.92-2.56	Small rosettes	
Charlock	1.92	Rosettes stage	

WEED	RATE L/ha	STAGE	NOTES
Cresses	1.28-1.92	Seedlings	
	1.92-2.56	Small rosettes	
Dandelion	1.28-1.92	Seedlings	
	1.92-2.56	Small rosettes	
Docks	3.2	2-4 leaf seedlings only	Will not control regrowth from root chips.
Fathen	1.28-2.56	Spray pre flowering	
Hedge mustard	1.28-1.92	Seedlings	
	1.92-2.56	Small rosettes	
Hemlock	2.56-3.84	Seedlings / young rosettes	Multi crown or 2 nd year plants will not be controlled (toxic to stock).
Mustards	1.28-3.2	2-4 leaf up to rosette	
Nettles	1.92-3.2	Seedlings – young plants	Graze to expose weeds and reduce clover.
Nodding thistle	2.56	Seedlings	Root crown less than 2cm.
	3.2-3.84	Rosettes	Root crowns 2-4cm, before flower stalk develops.
Parsley dropwort	3.2	Seedlings	
Pennyroyal	1.92-2.56	Prior to flowering	Apply in spring after seedling germination.
Plantains	2.56-3.2	Seedlings to small rosettes	
Ragwort	2.56-3.84	Seedlings / small rosettes	Large rosettes or multicrowns require spot treatment with other herbicides.
Redroot	1.28-1.92	Seedlings	
	1.92-2.56	Small rosettes	
Scotch thistle	1.28-1.92	Seedlings	
	1.92-2.56	Rosettes	
Shepherd's purse	1.28-2.56	Seedlings / small rosettes	
Stocksbill	1.92-2.56	Seedlings	Graze to expose weeds and reduce clover.
	2.56-3.84	Rosettes	Well established plants may only be checked.
Thornapple	3.84	Seedlings only	Established plants are not well controlled.
Variegated thistle	1.92-2.56	Seedlings	
	2.56-3.84	Rosettes	Less than 15cm diameter.
Vetch	1.92	Spray at multiple leaf stage	
Wild carrot	3.2	Seedlings	
Wild radish	1.92-3.2	Seedlings to young rosettes stage	
Wild turnip	1.92	2-4 leaf up to rosette stage	
Willow weed	2.56-3.84	Seedlings	Established plants are not well controlled.
Winged thistle	2.56	Seedlings	
	3.2-3.84	rosettes	Prior to flower stalk development.

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

High Volume Spot Treatment: Use 650ml/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 65ml/10 litres water.

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.

CONDITION OF SALE

The use of AGPRO 2,4-D Amine 625 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.