

**DANGER**

KEEP OUT OF REACH OF CHILDREN  
READ LABEL BEFORE USE

**ECOTOXIC**

# **AGPRO**

# **2,4-D Amine 625**

## **SELECTIVE HERBICIDE**

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

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

# **20L**

Registered pursuant to the ACVM Act 1997, No. P009786  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.  
Approved pursuant to the HSNO Act 1996,  
Approval Code HSR000367  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

Registered to and distributed by:  
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# **AGPRO**



## HAZARD CLASSIFICATION

Acute oral toxicity Category 3,  
Serious eye damage Category 1,  
Specific target organ toxicity repeated exposure Category 1,  
Hazardous to the aquatic environment chronic Category 2,  
Hazardous to soil organisms,  
Hazardous to terrestrial vertebrates.

## HSNO Classification:

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

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

## DANGER TOXICITY

Toxic if swallowed. Causes serious eye damage. Causes damage to organs through prolonged or repeated exposure.

## ECOTOXICITY

Toxic to aquatic life with long lasting effects. Very toxic to the soil environment. Toxic to terrestrial vertebrates. This product must not be applied directly into or onto water. Avoid contamination of any water supply with product or empty container.

## PRECAUTIONS QUALIFIED HANDLER

This product must be under the control of a suitably qualified handler during handling, mixing, loading or application.

**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. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Ensure compliance with relevant regional air management plans.

**Aerial application:** To minimise the risk of damage from spray drift, especially where susceptible vegetation is within 500 metres, use Low-drift nozzles which minimise the production of small droplets (< 100 microns). Maintain a water rate of at least 30 litres/ha for aerial spraying. The preferred wind conditions for spraying are a light, constant breeze that is away from any sensitive crops. Ensure compliance with relevant regional air management plans.

## PERSONAL PROTECTION

Avoid contact with skin and eyes, ingestion and inhalation of spray mist. When mixing or applying this product, overalls, boots, gloves, respiratory and eye protection should be worn. Do not eat, drink or smoke while using. Remove

Proper Shipping Name	Class	UN No.	Packing Group	Hazchem
PESTICIDE, LIQUID, TOXIC, N.O.S., (contains 2,4-D 62.5%)	6.1	2902	III	2Z

Batch Number:

Date of Manufacture:



LBL002.1

protective clothing and wash hands and face thoroughly before meals and after work. Wash all protective clothing after work.

#### STORAGE

Store in original container, tightly closed, in a locked, dry, cool and well-ventilated area avoiding direct sunlight and away from foodstuffs, fertilisers or seeds. Storage must be in accordance with the current version of NZ Standard for the Management of Agrichemicals (NZS 8409).

Stores containing 100 litres or more of **AGPRO 2,4-D Amine 625** require secondary containment, and an emergency plan. Stores containing more than 1000L require signage and a location compliance certificate.

#### EQUIPMENT

Apply only with appropriate, well-maintained and calibrated equipment in accordance with NZS 8409. Calibrate 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.

#### RECORDS OF APPLICATION

If 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter the air or water and leave the application area, written records must be kept.

#### DISPOSAL

**PRODUCT DISPOSAL:** Dispose of this product only by using according to the label directions or if this is not possible contact your supplier for advice.

**CONTAINER DISPOSAL:** Triple rinse container and add rinsate to the spray tank. Recycle clean containers at an Agrecovery depot, or puncture and dispose of at an approved landfill. Do not burn. Do not use the container for any other purpose.

#### FIRST AID

**For advice call the National Poisons Centre 0800 POISON (0800 764 766) (24 hours) or a doctor immediately.** If medical advice is needed have product container or label to hand.

**IF SWALLOWED:** Immediately call the Poisons Centre or a doctor. Do NOT induce vomiting. Rinse mouth.

**IF IN EYES:** Get immediate medical attention. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

**IF ON SKIN OR HAIR:** Remove contaminated clothing. Flush skin with water. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.

**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call the Poisons Centre or a doctor if you feel unwell. Apply artificial respiration if not breathing.

#### TRANSPORT

Do not carry this product on a passenger services vehicle.

#### EMERGENCY RESPONSE

In a transport emergency call 111, Police or Fire Brigade.

For specialist advice in a chemical emergency call 0800 CHEMCALL (0800 243 622).

#### SPILLAGE

Exclude non-essential people from the area. Wear protective clothing and prevent chemical from entering waterways. Absorb liquid spills with inert material such as attapulgit, soil, etc., and place in a sealable and labelled waste container. Wash area with water and absorb with further inert material. Dispose of safely at an approved landfill.

#### SAFETY DATA SHEET

Additional information is provided in the safety data sheet. Phone 09 273 3456 or visit [www.agpro.co.nz](http://www.agpro.co.nz) for a copy.

#### GENERAL INSTRUCTIONS

**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.

**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 (e.g. 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 300 g/litre at 100 ml/ha. Clopyralid 300 g/litre will severely suppress clover growth and clovers may take 6-12 months to recover.

#### ANIMAL SAFETY

Poisonous plants (e.g. including but not limited to Ragwort) may become more palatable after spraying. Stock should be kept away from the area until the plants have died down.

#### WITHHOLDING PERIOD

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Limits of Agricultural Compounds.**

#### RESISTANCE MANAGEMENT

GROUP	4	HERBICIDE
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**AGPRO 2,4-D Amine 625** contains 2,4-D amine which 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 resistant biotypes are known to exist and can become more prevalent after many years of continuous or excessive use of this product and other phenoxy herbicides. 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 resistance, use **AGPRO 2,4-D Amine 625** in tank mixes as appropriate, and/or in rotation with herbicides that have a different mode of action. Refer to [www.resistance.nzpps.org](http://www.resistance.nzpps.org) for further resistance management advice.

#### COMPATIBILITY

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

#### DIRECTIONS FOR USE MIXING

Stir or mix well. Add the full quantity of the product to the partly filled spray tank whilst agitating. Fill tank and agitate to ensure thorough mixing and continue agitation while spraying. Agitate from the bottom if allowed to stand.

## APPLICATION RATE

Crop	Rate litres/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 1.3 litres/ha – fathen, hedge mustard, nettles, shepherd’s purse, wild turnip.

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

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

WEED	RATE litres/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	

WEED	RATE litres/ha	STAGE	NOTES
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	
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 <sup>nd</sup> 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.

WEED	RATE litres/ha	STAGE	NOTES
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	
Storksbill	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.

#### CLEANING AND DECONTAMINATION

After using spray equipment, flush all equipment and lines with clean water.

If the same equipment which applied **AGPRO 2,4-D Amine 625** is to be used for any application onto or around sensitive crops, ensure that all spray equipment is washed well and decontaminated.

#### CONDITIONS OF SALE

As the use of this product is beyond the control of AGPRO NZ Ltd, no warranty expressed or implied, beyond that covered under the Fair Trading Act is given by AGPRO NZ Ltd regarding its suitability, fitness, or efficacy for any purpose for which it is used by the user, whether in accordance with the directions or not. AGPRO NZ Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

**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 650 ml/100 litres water with a pressure of 600-800 kPa and a No. 4 tip and apply as a fine wetting spray. Spray marker dye can be used to identify treated plants.

**Knapsack:** Use 65 ml/10 litres water.