



DANGER
KEEP OUT OF REACH OF CHILDREN
Read label before use
ECOTOXIC

AGPRO[®] Pasture Pro

*Contains 625g/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. P010227
See www.foodsafety.govt.nz for registration conditions.
Approval pursuant to the HSNO Act 1996, Approval Code HSR000367
See 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 soil organisms,
Hazardous to terrestrial vertebrates,
Hazardous to the aquatic
environment chronic Category 2.

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

TOXICITY

Toxic if swallowed. Causes serious eye damage. Causes organ damage from prolonged or repeated exposure.

ECOTOXICITY

Toxic to aquatic organisms 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 RESTRICTED TO WORKPLACES ONLY

AGPRO Pasture Pro must only be supplied to a workplace under the management and control of a PCBU who have provided written confirmation that there is someone at the workplace who has a relevant qualification as listed in Schedule 10 of the Hazardous Property Controls Notice.

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.

Aerial application: Ensure compliance with relevant regional air management plans. To minimise the risk of damage from drift of this product, especially where susceptible

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

Batch Number:

Date of Manufacture:



AGPRO
(N.Z.) LIMITED



LBL196.1

vegetation is within 0.5km, use lowdrift 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.

QUALIFICATION REQUIREMENTS

Persons mixing, loading, applying or otherwise handling this product must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.

RECORD KEEPING

If 3kg 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 for three years.

PERSONAL PROTECTION

Avoid contact with skin and eyes, ingestion and inhalation of spray mist. When handling wear eye and respiratory 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.

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 the current version of the NZ Standard for the Management of Agrichemicals (NZS 8409). Stores containing more than 100 litres of **AGPRO Pasture Pro** require secondary containment and an emergency response plan.

Stores containing more than 1000 litres also require a location compliance certificate and signage.

SHELF LIFE

When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

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.

DISPOSAL

Product Disposal: Dispose of by using according to the label directions, or if this is not possible contact your supplier for advice.

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

FIRST AID

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If medical advice is needed, have product label or container at hand.

IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. Get immediate medical advice.

IF ON SKIN OR HAIR: Remove contaminated clothing. Flush skin and hair with running water. If irritation occurs, get medical advice.

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

IF INHALED: Move person to fresh air immediately and keep at rest in position comfortable for breathing. If person feels unwell, get medical advice. Begin artificial respiration if breathing has stopped and get immediate medical assistance.

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 attapulgite, soil, etc. Wash area with water and absorb with further inert material. Place all waste material in a sealable, labelled waste container. 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 for a copy.

GENERAL INSTRUCTIONS

AGPRO Pasture Pro is damaging to clovers, especially red, suckling and subterranean clover, and plantain and chicory. To minimise 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 Pasture Pro will control a wide range of pasture (grasses/clover) 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. Some weeds (e.g. Californian thistle, bindweed) require repeat applications. 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. Rainfall within 6 hours of application may reduce effectiveness.

ANIMAL SAFETY

After spraying with **AGPRO Pasture Pro**, poisonous plants (e.g. ragwort) may become more palatable. Stock should be kept away from the area until the plants have died down.

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.

RESISTANCE MANAGEMENT

GROUP	4	HERBICIDE
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AGPRO Pasture Pro contains the herbicidal ingredient 2,4-D Amine that acts by disrupting plant cell growth and belongs to the phenoxy

group of chemicals. Resistance to this herbicide could develop from prolonged or excessive use. To minimise this risk use strictly in accordance with label instructions. Naturally occurring weed biotypes, resistant to **AGPRO Pasture Pro** 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 Pasture Pro** or other phenoxy herbicides. To prevent or delay the development of resistance use **AGPRO Pasture Pro** in tank mixtures where appropriate and/or in rotation with herbicides having a different mode of action against the weed. Refer to www.resistance.nzpps.org for further resistance management advice.

DIRECTIONS FOR USE MIXING

Pour the measured quantity of **AGPRO Pasture Pro** into the partially filled spray tank and with the agitator running top up with

the remainder of the water. Keep agitated during use.

COMPATIBILITY

AGPRO Pasture Pro is compatible with most other agricultural chemicals.

CLEANING AND DECONTAMINATION

After using spray equipment, flush all equipment and lines with clean water then decontaminate spray equipment before it is used to treat plants that are sensitive to 2,4-D. Cleaning water should be discharged onto a designated disposal area, or onto unused land away from desirable plants or water sources.

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.

APPLICATION RATE

CROP	RATE L/HA	NOTE
Wheat, barley, millet, ryecorn	1.3 - 2.0	Apply from six 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. 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 on spring sown oats.
Pasture (grasses/ clover)	2.0 - 4.0	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 seven 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	
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 second 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 multi-crowns 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	

WEED	RATE L/ha	STAGE	NOTES
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.

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 four weeks after application.

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.