

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Hyvar[®] X

HERBICIDE WETTABLE GRANULE

ACTIVE CONSTITUENT: 800 g/kg BROMACIL

GROUP 5 HERBICIDE

For the control of certain annual broadleaved weeds and grasses in citrus, pineapple, asparagus and in commercial and industrial areas, rights of way and around agricultural buildings as per Directions for Use table.

AgNova Technologies Pty Ltd
ABN 70 097 705 158
Unit 4, 482 Kingsford Smith Drive
Hamilton, Qld 4007 Australia
Phone (03) 9899 8100
Email info@agnova.com.au
agnova.com.au



An American Vanguard Company

Contents 5 kg

DIRECTIONS FOR USE

RESTRAINTS

DO NOT allow spray to contact foliage or fruit of desirable plants.

For best results sufficient moisture, either by rainfall, or irrigation, is required within 3–4 days of treatment to carry the product into the soil.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are any hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings 1 to 2 hours before sunset and persist until one to two hours after sunset.

CROP/ SITUATION	WEEDS CONTROLLED	STATES	RATE**	CRITICAL COMMENTS
Asparagus older than 1 year	Annual Weeds: Annual ragweed, Annual ryegrass, Barley grass, Bathurst burr, Brome grass, Caltrop, Capeweed, Cobbler's-pegs, Doublegee (Spiny emex/Three cornered Jack), Fat-hen, Khaki weed (seedling), Noogoora burr, Paterson's curse, Prairie grass, Saffron thistle, Summer grass, Thornapple, Wild mustard,	All States	1.1 to 2.5 kg/ha	Apply after cultivation to established plantings only, as damage may occur to young plantings. Apply 3–4 weeks prior to spear emergence in spring or before the early cutting period. If cultivation occurs during cutting period apply immediately after last cultivation. If needed, apply a second spray after harvest to keep fields weed-free. Irrigate before or as soon as possible after spraying. (See Protection of Crops, Native and Other Non-Target Plants section). Note: For Wild oat control, use no less than 2.5 kg/ha.
			1.0 kg/500 L water	Spot Spray: Wet weeds thoroughly to point of run-off. (See Protection of Crops, Native and Other Non-Target Plants section).
Citrus Established groves only	Wild oats, Wild radish, Wild turnip, Winter grass.		2.2 to 4.5 kg/ha	*Apply to weed-free ground in autumn and spring. After 1–2 years of application, once per year may be adequate. DO NOT apply more than 9 kg/ha/year. (See Protection of Crops, Native and Other Non-Target Plants section). Note: For Wild oat and Caltrop control, use no less than 3 kg/ha.
				* Spot Treatment: Spray to point of run-off. (See Protection of Crops, Native and Other Non-Target Plants section).
Pineapples	Barnyard grass, Billygoat weed/ Bluetop, Cobbler's-pegs, Crowsfoot, Guinea grass, Red natal grass, Sourgrass, Stinking Roger, Summer grass, Thickhead.	Qld and NT Only		Apply as a blanket spray prior to weed emergence immediately after planting or before planting material begins to grow.
			2.2 kg/ha	*If needed apply as a direct inter-row spray prior to flower differentiation. DO NOT spray over top of plants. DO NOT apply more than 9 kg/ha/year.

CROP/ SITUATION	WEEDS CONTROLLED	STATES	RATE**	CRITICAL COMMENTS
Industrial Weed Control Commercial & Industrial areas, Rights of way, including roadsides, railway lines and fence lines, Around agricultural buildings.	Annual Weeds: Annual ragweed, Annual ryegrass, Barley grass, Bathurst burr, Brome grass, Caltrop, Capeweed, Cobbler's-pegs, Doublegee (Spiny emex/Three cornered Jack), Fat-hen, Khaki weed (seedling), Noogoora burr, Paterson's curse, Prairie grass, Saffron thistle, Summer grass, Thornapple, Wild mustard, Wild oats, Wild radish, Wild turnip, Winter grass.	All States	3.5 to 6.5 kg/ha	*The lowest rate will provide control in low rainfall areas (250 mm or less).
	Retreatment: All the above weeds		2.0 to 6.5 kg/ha	*Apply when weeds and grasses reappear on sites where growth has been controlled.
	Small Areas: Annual and Perennial Weeds		20 g/10 m ² (20 kg/ha)	*

* If weeds are present add non-ionic surfactant at 100 mL/100 L (0.01% v/v) of spray solution.

** Use lower rates on lighter soils low in clay or organic matter and higher rates on heavier soils high in clay or organic matter.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIODS

NOT REQUIRED WHEN USED AS DIRECTED.

GENERAL INSTRUCTIONS

For best results apply shortly before weed growth occurs to moist well-prepared trash- and clod-free soil. Well established weeds should be removed before applying the product.

Actively growing weeds up to about 10 cm in height may be controlled, but a wetting agent must be used. **DO NOT** cultivate soil surface after application as efficacy may be reduced and/or crop injury may result. For best results sufficient moisture, either by rainfall or irrigation, is required within 3–4 days of treatment to carry the product into the soil. With irrigation, thoroughly wet the entire area. Where rainfall is limited during the growth period, control of deep-rooted hard-to-kill weeds will not be satisfactory.

Equipment and Application

Fill spray tank no more than 50% full with clean water. Before adding **Hyvar® X Herbicide Wettable Granule** begin agitating vigorously and continue agitation during the entire mixing and spraying operation.

Pour required amount of product steadily into the spray tank. Allow vigorous bypass agitation to completely disperse product.

DO NOT dump product into spray tank all at once.

After adding required quantity of product and obtaining complete dispersion, continue to fill tank to desired level for spraying. Thorough agitation of the spray liquid should continue during the entire spraying operation. Spray solution should not be left standing in the tank overnight.

Large areas

Use a fixed boom sprayer or handgun. To prevent nozzle blockage, strainer and nozzle screens should be 50 mesh or coarser. Always agitate in spray tank to keep material in suspension.

(a) Fixed Boom Sprayer

Use 1000–2000 L/ha water for industrial weed control. For selective weed control use 250–450 L/ha at 200–300 kPa pressure.

(b) Handgun

Use 1000–2000 L/ha and 60–800 kPa pressure.

Small areas

Use a knapsack or pressurised hand sprayer or water can. Shake or stir frequently.

Sprayer Cleanup

Thoroughly clean all traces of **Hyvar X** from application equipment immediately after use.

Flush tank, pump, hoses and boom with several changes of water after removing spray nozzles and screen (clean these parts separately).

HERBICIDE RESISTANCE WARNING



Hyvar X Herbicide Wettable Granule is a member of the Uracils group of herbicides. The product has the inhibitors of photosynthesis at photosystem II mode of action. For weed resistance management, the product is a Group 5 herbicide. Some naturally-occurring weed biotypes resistant to the product and other Group 5 herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by **Hyvar X Herbicide Wettable Granule** or other Group 5 herbicides, thus resulting in a reduction in efficacy and possible yield loss.

Since the occurrence of resistant weeds is difficult to detect prior to use, AgNova Technologies Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds. Advice as to strategies and alternative treatments that can be used should be obtained from your local supplier, consultant, local Department of Agriculture, Primary Industries Department or AgNova Technologies Pty Ltd representative.

PRECAUTIONS

Re-Entry Periods

After treating asparagus or pineapple, DO NOT allow entry into treated areas for 14 days, unless wearing cotton overalls buttoned to the neck and wrist over normal clothing and chemical resistant gloves. Clothing must be laundered after each day's use. After treating citrus, DO NOT allow entry into treated areas for 3 days, unless wearing cotton overalls buttoned to neck and wrist over normal clothing and chemical resistant gloves. Clothing must be laundered after day's use.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply or drain or flush equipment on or near desirable trees or other plants or where their roots may extend. Movement of soil from treated areas should be avoided because damage to off-target species may occur. DO NOT spray under weather conditions or from sprayer equipment that may cause spray to drift over nearby susceptible plants or crops, cropping lands or pastures.

Crop Safety

Asparagus

DO NOT apply to newly seeded asparagus, or to young plants during the first growing season after setting or to plants whose roots are exposed.

Citrus

Use with caution on light sandy soils as yellowing may occur.

Treated area for asparagus and citrus

DO NOT replant any crops within three (3) years of last application as injury may occur.

Pineapples

Only pineapples can be replanted into the same area within the 3 year plan.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemical on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container, mixing and loading, wear cotton overalls, over normal clothing, buttoned to the neck and wrist, chemical resistant gloves and goggles or safety glasses. Wash hands after use. After each day's use wash gloves, goggles or safety glasses and contaminated clothing.

FIRST AID

First aid is not generally required. If in doubt, contact a Poisons Information Centre (e.g. phone Australia 13 11 26; New Zealand 0800 764 766 or a doctor).

SAFETY DATA SHEET

If additional hazard information is required refer to the Safety Data Sheet. For a copy visit our website at agnova.com.au

CONDITIONS OF SALE

AgNova Technologies Pty Ltd shall not be liable for any consequential or other loss or damage relating to the supply or subsequent handling or use of this product, unless such liability by law cannot be lawfully excluded or limited. All warranties, conditions or rights implied by statute or other law which may be lawfully excluded are so excluded. Where the liability of AgNova Technologies Pty Ltd for breach of any such statutory warranties and conditions cannot be lawfully excluded but maybe limited to it re-supplying the product or an equivalent product or the cost of a product or an equivalent product, then the liability of AgNova Technologies Pty Ltd for any breach of such statutory warranty or condition is so limited.

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Additional statements as required by Safe Work Australia in accordance with the Globally Harmonised System of Classification and Labelling (GHS).

Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

Do not eat, drink or smoke when using this product. Wear eye protection/face protection.
IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor. Avoid release to the environment. Collect spillage.
Dispose of contents/container in accordance with local/regional/national regulations.

In a transport emergency dial 000, Police or Fire Brigade.
For specialist advice in an emergency only, call 1800 033 111 (24 hours).

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