

Product Name: PIXXARO ARYLEX ACTIVE HERBICIDE
APVMA Approval No: 82839/132832



Label Name:	PIXXARO ARYLEX ACTIVE HERBICIDE
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	250 g/L FLUROXYPYR present as the meptyl ester 16.25 g/L HALAUXIFEN-METHYL present as the methyl ester 16.25 g/L CLOQUINTOCET-MEXYL SOLVENT 474 g/L N,N-DIMETHYL-OCTANAMIDE & N,N-DIMETHYL-DECANAMIDE
Mode of Action:	GROUP 4 HERBICIDE
Statement of Claims:	For the control of broadleaf weeds in wheat, barley, oats, triticale, temperate grass pastures and fallow as specified in the Directions for Use
Net Contents:	20L
Restraints:	This section contains file attachment.
Directions for Use:	This section contains file attachment.
Other Limitations:	

Withholding Periods:	<p>When using Pixxaro® in a tank-mix with another product, observe whichever Harvest or Grazing/Stock food Withholding Period that is the longer.</p> <p>Harvest: NOT REQUIRED WHEN USED AS DIRECTED</p> <p>Cutting or Grazing for Stock food: DO NOT GRAZE OR CUT TREATED CROPS FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION.</p>
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Trade Advice:	<p>Fodder Intended for Export: Some countries have limits on the level of residue acceptable in animal feeds. Please consult your exporter before using this product on crops destined to be used for export fodder.</p> <p>LIVESTOCK DESTINED FOR EXPORT MARKETS When Pixxaro® is used as directed and the above withholding period is observed, livestock commodities are considered acceptable for export. However, export requirements are subject to change. Consult your exporter for updated information about specific market requirements.</p>
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General Instructions:	This section contains file attachment.
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Resistance Warning:	<p>GROUP 4 HERBICIDE</p> <p>Pixxaro® Arylex® active Herbicide is a member of both the pyridine and Pyridyloxy-carboxylates groups of herbicides. The product has the disrupters of plant cell growth mode of action. For weed resistance management, the product is a Group 4 herbicide. Some naturally occurring weed biotypes resistant to the product and other Group 4 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 the product or other Group 4 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Corteva Agriscience Australia Pty Ltd accepts no liability for any losses that may result from the failure of the product to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture, or local Corteva Agriscience representative.</p>
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Precautions:	
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Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS Crops susceptible to Pixxaro® include, but are not limited to: peas, lupins, lucerne, navy beans, peanuts, soybeans and other legumes, cotton, flowers, fruit, hops, ornamentals, shade trees and Pinus spp., potatoes, safflower, sugar beet, sunflowers, tobacco, tomatoes, vegetables and vines. Pixxaro® is damaging to susceptible crops during both growing and dormant periods. Grasses are normally unaffected and establish quickly after treatment. Halauxifen-methyl can remain active in the soil for extended periods depending on soil type and application rate, rainfall, temperature, humidity, soil moisture and soil organic matter. DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands, pastures, waterways or native vegetation. DO NOT allow physical spray drift onto waterways, native vegetation and susceptible crops.</p>
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	<p>DO NOT apply close to, or in areas, containing roots of desirable vegetation, where treated soil may be washed onto areas growing (or areas to be planted with) desirable plants.</p> <p>DO NOT apply on sites where surface water from heavy rain can be expected to run off to areas containing, or to be planted with susceptible crops or plants.</p> <p>DO NOT move soil, which may have been treated to areas where desirable plants are to be grown.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.</p>
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Storage and Disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p>DO NOT store near food, feedstuffs, fertilisers or seed.</p> <p>This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management site. The cap should not be replaced but may be taken separately.</p> <p>If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal 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.</p>
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Safety Directions:	<p>Will damage the eyes. May irritate the skin. Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing.</p> <p>When opening the container and preparing spray and using the prepared spray, wear elbow length chemical resistant gloves and face shield or goggles.</p> <p>If product in eyes, wash it out immediately with water. Wash hand after use. After each day's use, wash gloves and face shield or goggles and contaminated clothing.</p>
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First Aid Instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone: Australia 13 11 26, New Zealand 0800 764 766. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.</p>
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First Aid Warnings:	
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RESTRAINTS

DO NOT apply to crops or weeds which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (water-logged or drought affected), poor nutrition, presence of disease, damage or previous herbicide treatment, as reduced levels of control may result.

DO NOT spray if rain is likely within one (1) hour.

DO NOT apply by aircraft.

AVOID double overlaps to reduce risk of injury to rotational crops the following season.

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. The advisory buffer zones in the relevant buffer zone table below provide guidance but may not be sufficient in all situations. 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 surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by optical spot sprayer unless the following requirements are met:

- Spray droplets not smaller than a COARSE spray droplet size category
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for optical spot sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
800 mL/ha or lower	0.8 m	0 metres	30 metres	0 metres	20 metres	0 metres

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a COARSE spray droplet size category
- Minimum distances between the application site and downwind sensitive areas (see ‘Mandatory buffer zones’ section of the following table titled ‘Buffer zones for boom sprayers’) are observed.

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
600 mL/ha or lower	0.5 m or lower	0 metres	10 metres	0 metres	5 metres	0 metres
	1.0 m or lower	0 metres	40 metres	0 metres	30 metres	0 metres
400 mL/ha or lower	0.5 m or lower	0 metres	5 metres	0 metres	0 metres	0 metres
	1.0 m or lower	0 metres	30 metres	0 metres	20 metres	0 metres
200 mL/ha or lower	0.5 m or lower	0 metres	0 metres	0 metres	0 metres	0 metres
	1.0 m or lower	0 metres	15 metres	0 metres	10 metres	0 metres

DIRECTIONS FOR USE

See **GENERAL INSTRUCTIONS - APPLICATION** section for application method details.

See general instructions at the bottom section for application method details.

WHEAT, BARLEY, OATS, TRITICAL, TEMPERATE GRASS PASTURES (INCLUDING RYEGRASS)			
WEEDS CONTROLLED	WEED GROWTH STAGE	RATE mL/ha	CRITICAL COMMENTS
Deadnettle (<i>Lamium amplexicaule</i>) Mexican poppy (<i>Argemone mexicana</i>)	2 to 4 leaf	200	Apply from crop growth stage 3 leaf to flag leaf (Z13 to Z39). DO NOT apply after Z39. Add Uptake® Spraying Oil at 500 mL/100 L water.
Deadnettle (<i>L. amplexicaule</i>) Burr medic (<i>Medicago polymorpha</i>) Flax-leaf fleabane (<i>Conyza bonarensis</i>) Fumitory (<i>Fumaria</i> spp.) Mexican poppy (<i>A. mexicana</i>) Poppy (<i>Papaver somniferum</i>) Small-flowered mallow (<i>Malva parviflora</i>) Subterranean clover (<i>Trifolium subterraneum</i>)	2 to 6 leaf	300	
Bedstraw (<i>Galium tricornutum</i>)	3 to 6 whorl	400	
Climbing buckwheat (<i>Fallopia convolvulus</i>) Milk thistle (<i>Sonchus oleraceus</i>) Prickly lettuce (<i>Lactuca serriola</i>)	2 to 4 leaf		
Volunteer Chickpea (<i>Cicer arietinum</i>) Bifora (<i>Bifora testiculata</i>)	2 to 6 leaf		
Climbing buckwheat (<i>F. convolvulus</i>)	2 to 6 leaf		

FALLOW			
WEEDS CONTROLLED	WEED GROWTH STAGE	RATE mL/ha	CRITICAL COMMENTS
Deadnettle (<i>Lamium amplexicaule</i>) Mexican poppy (<i>Argemone mexicana</i>) Milk thistle (<i>Sonchus oleraceus</i>) Red pigweed (<i>Portulaca oleracea</i>) Rhynchosia (<i>Rhynchosia minima</i>) Small-flowered mallow (<i>Malva parviflora</i>)	2 to 6 leaf, up to 10 cm diameter	300 + minimum 1.4 L glyphosate (450 g/L IPA)	When mixing with glyphosate (450 g/L IPA) to control both grass and broadleaf weeds, refer to the glyphosate product label for use rates and adjuvants recommended for the grasses. Always add the recommended rate of ammonium sulphate to spray mix first.
Annual ground cherry (<i>Physalis angulata</i>) Bathurst burr (<i>Xanthium spinosum</i>) Volunteer Chickpea (<i>Cicer arietinum</i>) Noogoora burr (<i>Xanthium pungens</i>)		400 + minimum 1.4 L glyphosate (450 g/L IPA)	(See GENERAL INSTRUCTIONS; COMPATIBILITY section).

OPTICAL SPOT SPRAY TECHNOLOGIES IN FALLOW

For weed cover between 0% and 30% only. If percentage weed cover exceeds 30%, use boom spray rates.

Calibrate the sprayer to deliver the equivalent of 100 L water/ha.

Always apply with ammonium sulphate (AMS) plus glyphosate (450 g/L IPA) at 2 to 4 L/ha.

Refer to RESTRAINTS and SPRAY DRIFT RESTRAINTS before application.

WEED	WEED GROWTH STAGE	RATE (per 100 L water)	CRITICAL COMMENTS
Milk thistle (<i>Sonchus oleraceus</i>)	2 - 4 leaf	400 - 800 mL	Use the higher rate on larger sized weeds
Deadnettle (<i>Lamium amplexicaule</i>)	Up to 30 cm diameter		

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

GENERAL INSTRUCTIONS

MINIMUM RECROPPING PERIODS

Halaluxifen-methyl remains active in the soil for extended periods depending on rate of application, soil type, rainfall, temperature, humidity, soil moisture and soil organic matter. The following table shows plant-back periods to particular crops following application of Pixxaro®.

Northern New South Wales & Queensland

Plant-back periods for rotations crops following application of Pixxaro® for rates up to 600 mL/ha on black cracking clay soils. These plant-back periods are based on normal rainfall pattern. During drought conditions (or when rainfall is less than 100 mm for a period of four (4) months or greater) the plant-back period may be significantly longer.

Winter crop	Plant-back Period (months)	Summer crop	Plant-back Period (months)
Wheat	1	Sorghum	1
Barley	1	Mung bean	4
Canola	1	Sunflower	4
Chickpea	7	Soybean	4
Faba bean	7	Cotton	4
Lucerne	7	Maize	1

Southern New South Wales, Victoria, South Australia & Western Australia

Plant-back periods for rotation crops following application of Pixxaro® for rates up to 400 mL/ha

Crops	Plant-back Period (months)
Barley, Canola, Oats, Triticale, Wheat	1
Chickpea, Faba bean, Field pea, Lentils, Medic, Subclover, Vetch	7

Pixxaro® is primarily broken down in soil by microbial activity. Relatively quick breakdown is likely with extended periods of soil moisture when soil temperatures are warm. Breakdown is likely to be slowed when soil is dry, or cold, or waterlogged.

Re-cropping intervals may be extended when more than 50% of the required rainfall totals fall as intermittent, light rain which does not maintain soil wetting for at least a week.

Rainfall that is lost as runoff is not “effective rainfall” and should not be included in the required rainfall totals. Heavy textured, clay soils will likely require relatively more rainfall to maintain soil moisture than light textured soils.

Across typical cropping soils, organic carbon levels generally do not significantly influence the rate of breakdown, as rainfall is a greater limitation. However, when rainfall is non-limiting, higher soil organic carbon levels are likely to be associated with more rapid breakdown. Re cropping intervals are likely to be significantly extended in soils very low in organic carbon.

MIXING

Pixxaro® is an emulsifiable concentrate (EC) formulation. **Mix only with water.**

Half fill the spray unit with water, and add the required amount of Pixxaro®. Add the remaining water with the agitator running. If required, then add spray oils or wetters (surfactants). Maintain mechanical or by-pass agitation in the spray tank during spraying. Only mix sufficient solution for immediate daily use and avoid storing.

COMPATIBILITY

Pixxaro® is compatible with the following: (Read and follow all label directions, **Restraints, Plant-back periods, Withholding periods and Safety directions** on the partner label as well as those on the Pixxaro® label).

Broadleaf Herbicides

MCPA LVE, glyphosate (450 g/L IPA), Lontrel® Advanced, Lontrel® 750 SG, metsulfuron, Starane® Advanced, Trezac

Grass Herbicides

Crusader® GoDRI®, Axial® (wild oats only), Axial® Xtra (wild oats and phalaris only), Rexade®

Adjuvants

BS1000 Biodegradable surfactant or its alternatives Chemwet 1000 and Spreadwet 1000
Wetting agent when mixed with metsulfuron, Rexade® or Crusader®
Uptake® Spraying Oil (when mixed with Axial®)

Not all surfactants or crop oils are of equal quality, Corteva Agriscience does not support the use of alternative products other than those listed in the compatibility section.

Glyphosate (450 g/L IPA)

When mixing Pixxaro® with glyphosate (450 g/L IPA) to control both grass and broadleaf weeds, refer to the glyphosate product label for use rate recommended for grasses. **DO NOT** use glyphosate (450 g/L IPA) at less than 1.6 L/ha in tank mixes with Pixxaro® when barnyard grass, buttongrass, crowfoot grass, native millet and liverseed grass are the target species.

Mixing Instructions for glyphosate + Pixxaro® + other tank-mix partners:

Step 1: Fill the spray tank to 1/2 full with clean water, start and maintain agitation.

Step 2: Where ammonium sulphate (crystalline or liquid form) is recommended, wash crystalline form at 0.8% w/v (800g/100 L spray solution) through a top mesh screen into the tank OR add Liase at 2 % v/v (2 L/100 L spray solution) and mix thoroughly for several minutes.

Step 3: Add glyphosate (450 g/L IPA) and allow mixing thoroughly for several minutes.

Step 4: suspension concentrates (flowables e.g. atrazine), water soluble salts (e.g. Lontrel® Advanced).

Step 5: Then add emulsifiable concentrate formulations, such as Pixxaro®, and allow mixing thoroughly for several minutes.

Step 6: Add remaining water to desired final fill level.

Step 7: Add a 100% non-ionic surfactant at 0.2% v/v near the end of the filling process to minimize excessive foaming.

Removing hose from tank immediately after the filling will prevent back siphoning into water source. Always maintain adequate agitation during application and use the tank load promptly.

APPLICATION METHODS

Only apply Pixxaro® Herbicide under atmospheric conditions that do not allow drift to occur onto sensitive crops.

Broadcast application in cropping situations.

Ground Application (Boom)

Apply Pixxaro® with an accurately calibrated boom sprayer, in at least 80 L/ha water. Use nozzle configurations to produce coarse quality spray. Boom height must be set to ensure double overlap of nozzle patterns.

CLEANING SPRAY EQUIPMENT

Rinsing

After using Pixxaro®, empty the spray unit completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain the spray unit, and clean any filters in the tank, pump, lines, hoses and nozzles.

After cleaning the spray unit as above, quarter fill with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

Decontamination

Before spraying cotton and other sensitive crops with equipment that has been used to apply Pixxaro® (see **PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS** section).

Wash the tank and rinse the system as above. Then quarter fill the tank and add a standard alkali- based laundry detergent at 500 g (or mL)/100 L water and circulate throughout the system for at least 15 minutes. If using a concentrated laundry detergent use 250 g (or mL)/100 L water. Do not use chlorine-based cleaners.

Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.

Rinse water should be discharged onto a designated disposal area or, if this is unavailable, onto unused land away from desirable plants and watercourses.