

**CAUTION**  
KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING



**Dow AgroSciences**

**Pixxaro™**

**Herbicide**

**ARYLEX™ ACTIVE**

**ACTIVE CONSTITUENTS:** 250 g/L FLUROXYPYR present as meptyl ester  
16.25 g/L HALAUXIFEN present as the methyl ester  
**CROP SAFENER:** 16.25 g/L CLOQUINTOCET-MEXYL

**GROUP I HERBICIDE**

For the control of broadleaf weeds in wheat, barley, oats, triticale and fallow as specified in the Directions for Use.

**SHAKE WELL BEFORE USE.**

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**Dow AgroSciences**

## DIRECTIONS FOR USE

### 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

**DO NOT** apply with spray droplets smaller than a **COARSE** spray droplet size category according to 'APVMA Compliance Instructions for Mandatory COARSE or Larger Droplet Size Categories' located under this title in the **GENERAL INSTRUCTIONS** section of this label.

**DO NOT** apply when wind speed is less than 3 or more than 20 kilometres per hour as measured at the application site.

**DO NOT** apply during surface temperature inversion conditions at the application site.

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application, and must **KEEP** this record for at least two (2) years.

The spray application details that must be recorded are: **1.** date with start and finish times of application **2.** location and address and paddock(s) sprayed **3.** full name of this product **4.** amount of product used per hectare and number of hectares applied to **5.** crop or situation and weed or pest **6.** wind speed and direction during application **7.** air temperature and relative humidity during application **8.** nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application **9.** name and address of person applying this product. (Additional records details may be required by the state or territory where this product is used.)

### MANDATORY NO-SPRAY ZONES

**DO NOT** apply if there are aquatic and wetland areas including aquacultural ponds, surface streams and rivers within **10 metres** downwind from the application area.

**DO NOT** apply if there are sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitats within **10 metres** downwind from the application area.



See GENERAL INSTRUCTIONS – APPLICATION section for application method details.

WHEAT, BARLEY, OATS, TRITICALE			
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).  <b>DO NOT</b> 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 spp.</i> ) 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		
Climbing buckwheat ( <i>F. convolvulus</i> )	2 to 6 leaf	600	

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.  (See GENERAL INSTRUCTIONS; COMPATIBILITY section).
Annual ground cherry ( <i>Physalis angulata</i> ) Bathurst burr ( <i>Xanthium spinosum</i> ) Noogoora burr ( <i>Xanthium pungens</i> )		400 + minimum 1.4 L glyphosate (450 g/L IPA)	

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



## WITHHOLDING PERIODS

When using Pixxaro™ Herbicide in a tank-mix with another product, observe whichever Harvest or Grazing/Stockfood Withholding Period that is the longer.

Harvest: **NOT REQUIRED WHEN USED AS DIRECTED.**

Cutting or Grazing for Stockfood: **DO NOT GRAZE OR CUT TREATED CROPS FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION.**

**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.

## LIVESTOCK DESTINED FOR EXPORT MARKETS

When Pixxaro Herbicide 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.

## GENERAL INSTRUCTIONS

### MINIMUM RECROPPING PERIODS

HALAUXIFEN-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 and Queensland

Plant-back periods for rotation 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	6
Canola	1	Sunflower	6
Chickpea	7	Soybean	6
Faba bean	7	Cotton	12
Lucerne	7	Maize	1

#### Southern New South Wales, Victoria, South Australia and 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

## MIXING

### Mix only with water.

Half fill the spray unit with water, and add the required amount of Pixxaro Herbicide. 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

LVE 600 MCPA, Hotshot™, glyphosate (450 g/L IPA), Lontrel™ Advanced, Lontrel™ 750 SG, metsulfuron, Starane™ Advanced, Stinger™ Herbicide.

### Grass Herbicides

Crusader™ GoDri™, Axial® (wild oats only).



## Adjuvants

BS1000 Biodegradable surfactant or its alternatives Chemwet 1000 and Spreadwet 1000 Wetting agent when mixed with Stinger or Crusader.

Uptake™ Spraying Oil (when mixed with Axial).

Not all surfactants or crop oils are of equal quality, Dow AgroSciences 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 (800 g/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:** For other tank-mix partners: Add dry flowable formulations (e.g. metsulfuron) first, followed by suspension concentrates (flowables e.g. atrazine), water soluble salts (e.g. Statesman™ 720).

**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 minimise 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 as defined by ASAE S-572. Boom height must be set to ensure double overlap of nozzle patterns.

## APVMA compliance instructions for mandatory COARSE or larger droplet size categories

### Important information

These instructions inform those using this chemical product how to lawfully comply with the requirement of a COARSE or larger spray droplet size category for spray application. Spray droplet size categories are defined in the ASAE S-572 (newer name may also be shown as ASABE) or the BCPC guideline. Nozzle manufacturers may refer to one or both of these documents, to identify droplet size categories; however, for a nozzle to comply with this requirement, the manufacturer must refer to at least one.

**Complying with the label requirement to use a specific droplet size category means using the correct nozzle that will deliver that droplet size category under the spray operation conditions being used. The APVMA has approved only the following specific methods for choosing the correct nozzle. Use one of the methods specified in these instructions to select a correct nozzle to deliver a COARSE or larger droplet size category.**

**Instructions for ground application – for COARSE droplet size or larger categories Mandatory instructions for ground applications.**

**USE ONLY** nozzles that the nozzles' manufacturer has rated to deliver a **COARSE**, a **VERY COARSE** or an **EXTREMELY COARSE** droplet size category, as referenced in ASAE S-572 or BCPC. Choose a nozzle that is specified to provide the droplet size category required in the label **SPRAY DRIFT RESTRAINTS**.

**DO NOT** use a higher spray system pressure than the maximum the manufacturer specifies for the selected nozzle to deliver the droplet size category required in the label **SPRAY DRIFT RESTRAINTS**.

## 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.**

## RESISTANT WEEDS WARNING

### GROUP I HERBICIDE

Pixxaro Herbicide is a member of the pyridines group of herbicides. The product has the disrupters of plant cell growth mode of action. For weed resistance management, the product is a Group I herbicide.

Some naturally occurring weed biotypes resistant to the product and other Group I 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 I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Dow AgroSciences 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 Dow AgroSciences representative.

## 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.

**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.

**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.

**DO NOT** move soil, which may have been treated to areas where desirable plants are to be grown.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. **DO NOT** contaminate wetlands or watercourses with this product or used containers.

## STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area.

**DO NOT** store for prolonged periods in direct sunlight.

**DO NOT** store near food, feedstuffs, fertilisers or seed.

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. 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.

## SPILL MANAGEMENT

Do not touch or walk through spilled material. Wear a face-shield or goggles, overalls buttoned to neck and wrist, chemical resistant gloves and footwear. Stop leak when safe to do so. Dam the area and prevent entry into waterways and drains.

**Small spills/leaks:** Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Dam the area of **large spills/leaks** and report them to Dow AgroSciences Emergency Services at 1-800 033 882.

## SAFETY DIRECTIONS

- 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.
- When opening the container and preparing spray and using the prepared spray, wear elbow length PVC gloves and face shield or goggles.
- If product in eyes, wash out immediately with water.
- Wash hands after use.
- After each day's use, wash gloves and face shield or goggles and contaminated clothing.



## FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone: *Australia* 13 11 26.

## MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet for **PIXXARO™ HERBICIDE**, which is available from Dow AgroSciences on request. Call Customer Service Toll Free on 1-800 700 096 or visit [www.dowagrosciences.com.au](http://www.dowagrosciences.com.au)

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### Hazard and precautionary statements according to classification under GHS (Globally Harmonised System of Classification and Labelling)

IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. Avoid breathing mist/vapours and spray. Contaminated clothing should not be allowed out of the workplace. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

**EMERGENCY RESPONSE  
(ALL HOURS)**  
RING FROM ANYWHERE  
IN AUSTRALIA  
**1-800 033 882**  
(LOCAL CALL FEE ONLY)

IN A TRANSPORT  
EMERGENCY ONLY  
**DIAL 000**  
FOR POLICE OR  
FIRE BRIGADE



Dow AgroSciences