

Product Name: Nufarm Galaxy Herbicide

APVMA Approval No: 92149 / 139205



Label Name:	Nufarm Galaxy Herbicide
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Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENT: 75 g/L PYRASULFOTOLE SOLVENTS: 674 g/L LIQUID HYDROCARBON 200 g/L N-METHYL PYRROLIDONE
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Mode of Action:	GROUP 27 HERBICIDE
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Statement of Claims:	For post-emergence control of certain broadleaf weeds in cereals as per the DIRECTIONS FOR USE.
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Net Contents:	1 - 1000 L
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Restrains:	see attachment
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Directions for Use:	see attachment
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Other Limitations:	
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Withholding Periods:	<p>WITHHOLDING PERIODS</p> <p>Harvest ALL CROPS: NOT REQUIRED WHEN USED AS DIRECTED</p> <p>Grazing WHEAT, BARLEY, OATS AND TRITICALE: DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 4 WEEKS AFTER APPLICATION.</p> <p>TANK MIXTURES: REFER TO TANK MIX PARTNER LABEL AND FOLLOW ACCORDINGLY.</p>
Trade Advice:	<p>EXPORT OF TREATED PRODUCE</p> <p>Growers should note that MRL's or import tolerances DO NOT exist in all markets for produce treated with Nufarm Galaxy Herbicide. If you are growing produce for export, please check with Nufarm Australia Limited for the latest information on MRL's and import tolerance before using Nufarm Galaxy Herbicide.</p>
General Instructions:	see attachment
Resistance Warning:	<p>RESISTANT WEEDS WARNING</p> <p>GROUP 27 HERBICIDE</p> <p>Nufarm Galaxy Herbicide is a member of the Pyrazolone group of herbicides. Nufarm Galaxy has the inhibition of 4-hydroxyphenylpyruvate dioxygenase (4-HPPD) mode of action. For weed resistance management Nufarm Galaxy is a Group 27 herbicide. Some naturally occurring weed biotypes resistant to Nufarm Galaxy and other Group 27 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 Nufarm Galaxy or other Group 27 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Nufarm accepts no liability for any losses that may result from the failure of Nufarm Galaxy to control resistant weeds.</p>
Precautions:	<p>PRECAUTIONS</p> <p>Re-entry period DO NOT enter treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.</p>
Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</p> <p>DO NOT apply under weather conditions that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Highly toxic to algae and aquatic plants. DO NOT contaminate streams, rivers or watercourses with this product or used containers.</p>
Storage and Disposal:	<p>STORAGE AND DISPOSAL</p> <p>Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p>For Non-refillable containers</p>

	<p>Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals 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.</p> <p>For Refillable containers</p> <p>Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p>
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Safety Directions:	<p>SAFETY DIRECTIONS</p> <p>Hazards: Will irritate the eyes, skin, nose and throat.</p> <p>Precautions: Open container in the open air. DO NOT inhale vapour or spray mist. Avoid contact with eyes and skin.</p> <p>Mixing and using instructions: When using together with other products, consult their label safety directions. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, elbow length chemical resistant gloves and a face shield or goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). If product on skin, immediately wash area with soap and water.</p> <p>After use: Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.</p>
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First Aid Instructions:	<p>FIRST AID</p> <p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766. If swallowed, DO NOT induce vomiting. If in eyes wash out immediately with water.</p>
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First Aid Warnings:	
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Nufarm Galaxy Herbicide – Restraints

RESTRAINTS

DO NOT apply to crops or weeds affected by frost and/or very cold temperatures, or if frosts are imminent.

DO NOT apply when dew is present.

DO NOT apply if irrigation or rainfall is likely to occur within 2 hours of application.

DO NOT apply without adjuvant/crop oil.

DO NOT apply by aircraft.

Spray Drift Restraints

DO NOT apply by a vertical sprayer.

Specific definitions for terms used in this section of the label can be found at www.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 **buffer zones** in the relevant buffer zone table/s 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 **hazardous surface temperature inversion** conditions present at the **application site** during the time of application. **Surface temperature inversion conditions** exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

Boom Sprayers

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

- Spray droplets are 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 - Nufarm Galaxy™ + Nufarm Bromicide® 200

Application rate	Boom Height above target canopy	Mandatory buffer zones (distances given in metres)				
		Bystander Areas	Natural Aquatic Areas	Pollinator Areas	Vegetation Areas	Livestock Areas
250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	0.5 m or lower 1.0 m or lower	0	0	0	30 85	0
300 mL/ha + 300 mL/ha Nufarm Bromicide® 200	0.5 m or lower 1.0 m or lower				30 80	
335 mL/ha + 700 mL/ha Nufarm Bromicide® 200	0.5 m or lower 1.0 m or lower				40 110	
500 mL/ha + 1050 mL/ha Nufarm Bromicide® 200	0.5 m or lower 1.0 m or lower				50 150	
670 mL/ha + 1250 mL/ha Nufarm Bromicide® 200	0.5 m or lower 1.0 m or lower				60 180	

Buffer Zones for Boom Sprayers - Nufarm Galaxy™ + Nufarm MCPA LVE 570

Application rate	Boom Height above target canopy	Mandatory buffer zones (distances given in metres)				
		Bystander Areas	Natural Aquatic Areas	Pollinator Areas	Vegetation Areas	Livestock Areas
335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	0.5 m or lower 1.0 m or lower	0	0	0	25 60	0
500 mL/ha + 330 mL/ha Nufarm MCPA LVE 570	0.5 m or lower 1.0 m or lower				30 80	
670 mL/ha + 440 mL/ha Nufarm MCPA LVE 570	0.5 m or lower 1.0 m or lower				35 95	

Buffer Zones for Boom Sprayers - Nufarm Galaxy™ + Nufarm Bromicide® MA

Application rate	Boom Height above target canopy	Mandatory buffer zones (distances given in metres)				
		Bystander Areas	Natural Aquatic Areas	Pollinator Areas	Vegetation Areas	Livestock Areas
250 mL/ha + 525 mL/ha Nufarm Bromicide® MA	0.5 m or lower 1.0 m or lower	0	0	0	20 50	0
335 mL/ha + 700 mL/ha Nufarm Bromicide® MA	0.5 m or lower 1.0 m or lower				25 60	
500 mL/ha + 1050 mL/ha Nufarm Bromicide® MA	0.5 m or lower 1.0 m or lower				30 80	
670 mL/ha + 1250 mL/ha Nufarm Bromicide® MA	0.5 m or lower 1.0 m or lower				35 90	

Buffer Zones for Boom Sprayers - Nufarm Galaxy™ + Nufarm MCPA LVE 570 + Nufarm Archer® 750

Application rate	Boom Height above target canopy	Mandatory buffer zones (distances given in metres)				
		Bystander Areas	Natural Aquatic Areas	Pollinator Areas	Vegetation Areas	Livestock Areas
335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 30 - 60 mL/ha Nufarm Archer® 750	0.5 m or lower	0	0	0	25	0
	1.0 m or lower				60	

Buffer Zones for Boom Sprayers - Nufarm Galaxy™ + Nufarm Bromicide® MA + Nufarm Archer® 750

Application rate	Boom Height above target canopy	Mandatory buffer zones (distances given in metres)				
		Bystander Areas	Natural Aquatic Areas	Pollinator Areas	Vegetation Areas	Livestock Areas
250 mL/ha + 525 mL/ha Nufarm Bromicide® MA + 30 mL/ha Nufarm Archer® 750	0.5 m or lower	0	0	0	35	0
	1.0 m or lower				100	
335 mL/ha + 625 mL/ha Nufarm Bromicide® MA + 40 mL/ha Nufarm Archer® 750	0.5 m or lower				40	
	1.0 m or lower				120	

Buffer Zones for Boom Sprayers - Nufarm Galaxy™ + Nufarm MCPA LVE 570 + Nufarm Saracen®

Application rate	Boom Height above target canopy	Mandatory buffer zones (distances given in metres)				
		Bystander Areas	Natural Aquatic Areas	Pollinator Areas	Vegetation Areas	Livestock Areas
335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 100 mL/ha Nufarm Saracen®	0.5 m or lower	0	10	0	30	0
	1.0 m or lower		40		85	

Buffer Zones for Boom Sprayers - Nufarm Galaxy™ + Nufarm Bromicide® MA + Nufarm Saracen®

Application rate	Boom Height above target canopy	Mandatory buffer zones (distances given in metres)				
		Bystander Areas	Natural Aquatic Areas	Pollinator Areas	Vegetation Areas	Livestock Areas
250 mL/ha + 525 mL/ha Nufarm Bromicide® MA + 100 mL/ha Nufarm Saracen®	0.5 m or lower	0	10	0	35	0
	1.0 m or lower		40		90	
335 mL/ha + 625 mL/ha Nufarm Bromicide® MA + 100 mL/ha Nufarm Saracen®	0.5 m or lower		15		35	
	1.0 m or lower		45		100	

Nufarm Galaxy Herbicide – Directions for Use

DIRECTIONS FOR USE

SECTION 1. CEREALS

CROP	CROP GROWTH STAGE	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Wheat, barley, triticale	2 leaf (Z12) to first node (Z31)	Refer to Section 2 Weed Table	250 - 670 mL/ha + 525 - 1250 mL/ha Nufarm Bromicide® 200 + 0.5 L/100L Nufarm CanDo™ Adjuvant*	Apply only on actively growing weeds. Use the lower rates when good coverage of individual weeds can be achieved. Use the high rate on high density weed populations or when excellent coverage cannot be achieved. DO NOT use without a listed tank-mix partner. Tank-mixes are necessary for effective weed control and are also an essential resistance management strategy. Mixtures with Nufarm Bromicide® MA may provide faster control than with Nufarm Bromicide® 200 or Nufarm MCPA LVE 570 in most situations. To extend the weed spectrum, Nufarm Archer® 750 Herbicide or Nufarm Saracen® Herbicide can be added as tank mix partners as listed in Section 2 for wheat, barley, triticale and oats at 3 leaf (Z13) to first node (Z31).
	3 leaf (Z13) to first node (Z31)		335 - 670 mL/ha + 220 - 440 mL/ha Nufarm MCPA LVE 570 + 0.5 L/100L Nufarm CanDo™ Adjuvant* OR 250 - 670 mL/ha + 525 - 1250 mL/ha Nufarm Bromicide® MA + 0.5 L/100L Nufarm CanDo™ Adjuvant*	
Oats	3 leaf (Z13) to first node (Z31)		335 - 670 mL/ha + 220 - 440 mL/ha Nufarm MCPA LVE 570 + 0.5 L/100L Nufarm CanDo™ Adjuvant*	

*Alternatively to CanDo™, Banjo® or another registered high quality methylated seed oil adjuvant can be used at 1 L/100 L.

SECTION 2. WEED TABLE FOR SECTION 1

WEEDS and WEED GROWTH STAGE	Nufarm Galaxy™ + Nufarm BROMICIDE® 200 MINIMUM APPLICATION RATES	Nufarm Galaxy™ + Nufarm MCPA LVE 570 MINIMUM APPLICATION RATES	Nufarm Galaxy™ + NUFARM BROMICIDE® MA MINIMUM APPLICATION RATES
Bedstraw (<i>Galium tricornutum</i>) 2 - 6 leaf	335 mL/ha + 700 mL/ha Nufarm Bromicide® 200	500 mL/ha + 165 mL/ha Nufarm MCPA LVE 570	335 mL/ha + 350 mL/ha Nufarm Bromicide® MA
Bifora (<i>Bifora testiculata</i>) 2 - 5 leaf	335 mL/ha + 700 mL/ha Nufarm Bromicide® 200	-	335 mL/ha + 700 mL/ha Nufarm Bromicide® MA
Bindweed/Black bindweed (<i>Fallopia convolvulus</i>) 2 - 6 leaf	2 - 4 leaf: 250 mL/ha + 525 mL/ha Nufarm Bromicide® 200 2 - 6 leaf: 335 mL/ha + 700 mL/ha Nufarm Bromicide® 200	-	2 - 4 leaf: 250 mL/ha + 525 mL/ha Nufarm Bromicide® MA 2 - 6 leaf: 335 mL/ha + 700 mL/ha Nufarm Bromicide® MA
Capeweed (<i>Arctotheca calendula</i>) 2 - 6 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 30 mL/ha Nufarm Archer® 750 or 335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 100 mL/ha Nufarm Saracen®	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA or 250 mL/ha + 525 mL/ha Nufarm Bromicide® MA + 30 mL/ha Nufarm Archer® 750 or 250 mL/ha + 525 mL/ha Nufarm Bromicide® MA + 100 mL/ha Nufarm Saracen®
Corn gromwell (<i>Buglossoides arvensis</i>) 2 - 6 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Dead nettle (<i>Lamium amplexicaule</i>) 2 - 6 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	500 mL/ha + 330 mL/ha Nufarm MCPA LVE 570	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Doublegee/Spiny emex/Three cornered Jack (<i>Emex australis</i>) 2 - 4 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	500 mL/ha + 330 mL/ha Nufarm MCPA LVE 570	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Fumitory (<i>Fumaria densiflora</i>) 2 - 6 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Indian hedge mustard (<i>Sisymbrium orientale</i>) 2 - 8 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Paterson's curse (<i>Echium plantagineum</i>) 2 - 6 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA

WEEDS and WEED GROWTH STAGE	Nufarm Galaxy™ + Nufarm BROMICIDE® 200 MINIMUM APPLICATION RATES	Nufarm Galaxy™ + Nufarm MCPA LVE 570 MINIMUM APPLICATION RATES	Nufarm Galaxy™ + NUFARM BROMICIDE® MA MINIMUM APPLICATION RATES
Prickly lettuce (<i>Lactuca serriola</i>) 2 - 6 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Saffron thistle (<i>Carthamus lanatus</i>) 2 - 6 leaf	335 mL/ha + 700 mL/ha Nufarm Bromicide® 200	-	335 mL/ha + 700 mL/ha Nufarm Bromicide® MA
Shepherd's purse (<i>Capsella bursa-pastoris</i>) 2 - 6 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	-	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Sow thistle/ Common sow thistle/ Milk thistle (<i>Sonchus oleraceus</i>) 2 - 8 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Turnip weed (<i>Rapistrum rugosum</i>)	2 - 8 leaf: 250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	2 - 6 leaf: 335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	2 - 8 leaf: 250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Volunteer canola (<i>Brassica napus</i>) 2 - 8 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Volunteer chickpeas (<i>Cicer arietinum</i>) 2 leaf - 5 node	2 - 6 leaf: 250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	2 leaf - 5 node: 335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	2 leaf - 5 node: 335 mL/ha + 625 mL/ha Nufarm Bromicide® MA
Volunteer faba bean (<i>Vicia faba</i>) 2 - 6 leaf, 2 leaf - 5 node or up to 3-node	2 - 6 leaf: 250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	2 leaf - 5 node: 335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 30 mL/ha Nufarm Archer® 750 Up to 3-node: 335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 100 mL/ha Nufarm Saracen® (except for imidazolinone tolerant varieties)	2 - 6 leaf: 250 mL/ha + 525 mL/ha Nufarm Bromicide® MA or 250 mL/ha + 525 mL/ha Nufarm Bromicide® MA + 30 mL/ha Nufarm Archer® 750 or 250 mL/ha + 525 mL/ha Nufarm Bromicide® MA + 100 mL/ha Nufarm Saracen® (except for imidazolinone tolerant varieties)
Volunteer field peas (<i>Pisum sativum</i>) 2 - 8 node	2 - 8 leaf: 335 mL/ha + 700 mL/ha Nufarm Bromicide® 200	2 - 5 leaf: 335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 2 leaf - 8 node: 335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 40 mL/ha Nufarm Archer® 750 or 335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 100 mL/ha Nufarm Saracen®	2 - 5 leaf: 335 mL/ha + 625 mL/ha Nufarm Bromicide® MA 2 leaf - 8 node: 335 mL/ha + 625 mL/ha Nufarm Bromicide® MA + 40 mL/ha Nufarm Archer® 750 or 335 mL/ha + 625 mL/ha Nufarm Bromicide® MA + 100 mL/ha Nufarm Saracen®
Volunteer lentils (<i>Lens culinaris</i>) 2 - 6 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200 - suppression	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 30 mL/ha Nufarm Archer® 750	335 mL/ha + 625 mL/ha Nufarm Bromicide® MA + 40 mL/ha Nufarm Archer® 750
Volunteer lupins (<i>Lupinus</i> species) 2 - 8 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Volunteer medic (<i>Medicago</i> spp.) 2 - 6 leaf	2 - 6 leaf: 335 mL/ha + 700 mL/ha Nufarm Bromicide® 200	2 - 4 leaf: 670 mL/ha + 440 mL/ha Nufarm MCPA LVE 570	2 - 6 leaf: 335 mL/ha + 700 mL/ha Nufarm Bromicide® 200
Volunteer seedling lucerne (<i>Medicago sativa</i>) 2 - 6 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	-	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Volunteer sub-clover (<i>Trifolium subterraneum</i>) 2 - 6 leaf	-	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 60 mL/ha Nufarm Archer® 750 or 335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 100 mL/ha Nufarm Saracen®	335 mL/ha + 625 mL/ha Nufarm Bromicide® MA + 60 mL/ha Nufarm Archer® 750 or 335 mL/ha + 625 mL/ha Nufarm Bromicide® MA + 100 mL/ha Nufarm Saracen®
Volunteer vetch (<i>Vicia sativa</i>) 2 - 6 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200 - suppression	335 mL/ha + 220 mL/ha MCPA LVE 570 + 40 mL/ha Nufarm Archer® 750 or 335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 + 100 mL/ha Nufarm Saracen®	335 mL/ha + 625 mL/ha Nufarm Bromicide® MA + 40 mL/ha Nufarm Archer® 750 or 335 mL/ha + 625 mL/ha Nufarm Bromicide® MA + 100 mL/ha Nufarm Saracen®

WEEDS and WEED GROWTH STAGE	Nufarm Galaxy™ + Nufarm BROMICIDE® 200 MINIMUM APPLICATION RATES	Nufarm Galaxy™ + Nufarm MCPA LVE 570 MINIMUM APPLICATION RATES	Nufarm Galaxy™ + NUFARM BROMICIDE® MA MINIMUM APPLICATION RATES
Wild radish (<i>Raphanus raphanistrum</i>) 2 - 8 leaf	2 - 4 leaf: 250 mL/ha + 525 mL/ha Nufarm Bromicide® 200 Up to 6 leaf: 335 mL/ha + 700 mL/ha Nufarm Bromicide® 200	2 - 4 leaf: 335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570 Up to 6 leaf: 500 mL/ha + 330 mL/ha Nufarm MCPA LVE 570 Up to 8 leaf: 670 mL/ha + 440 mL/ha Nufarm MCPA LVE 570	2 - 4 leaf: 250 mL/ha + 525 mL/ha Nufarm Bromicide® MA Up to 6 leaf: 335 mL/ha + 700 mL/ha Nufarm Bromicide® MA Up to 8 leaf: 670 mL/ha + 1250 mL/ha Nufarm Bromicide® MA
Wild turnip (<i>Brassica tournefortii</i>) 2 - 8 leaf	250 mL/ha + 525 mL/ha Nufarm Bromicide® 200	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	250 mL/ha + 525 mL/ha Nufarm Bromicide® MA
Wireweed (<i>Polygonum aviculare</i>) 2 - 6 leaf	335 mL/ha + 700 mL/ha Nufarm Bromicide® 200	335 mL/ha + 220 mL/ha Nufarm MCPA LVE 570	335 mL/ha + 700 mL/ha Nufarm Bromicide® MA
Yellow burr weed (<i>Amsinckia calycina</i>) 2 - 6 leaf	300 mL/ha + 630 mL/ha Nufarm Bromicide® 200	500 mL/ha + 330 mL/ha Nufarm MCPA LVE 570	300 mL/ha + 300 mL/ha Nufarm Bromicide® MA

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

Nufarm Galaxy Herbicide – General Instructions

GENERAL INSTRUCTIONS

Nufarm Galaxy™ should always be applied with a recommended tank mix herbicide to ensure satisfactory weed efficacy and to assist with control of herbicide resistant weed populations. Measurement of herbicide resistant weed populations (mode of action group and level of resistance) via commercial testing services will allow the best decision around choice of herbicide tank mix partner.

Nufarm Galaxy™ is a pyrazole herbicide, which has predominately foliar activity. Nufarm Galaxy™ will not control weeds which emerge after spraying. Results are best under good spraying conditions and application to weeds or crop under stress should be avoided.

Optimum performance of Nufarm Galaxy™ occurs when it is applied in warmer temperatures with good light intensity. To maximise efficacy apply Nufarm Galaxy™ during the day, at least 1 hour before sunset, particularly if followed by low overnight temperatures.

Mixing

Nufarm Galaxy™ is an emulsifiable concentrate (EC) formulation. Always apply with a recommended adjuvant (see below).

1. Half fill the spray tank with clean water and start agitation.
2. Add any compatible granule products and mix thoroughly.
3. Add Nufarm Galaxy™ and other EC products and mix thoroughly.
4. Add remaining water.
5. Add adjuvant near the end of the filling process to minimize foaming.
6. Always maintain adequate agitation during application and use the tank mix promptly.

Adjuvant

Always add 0.5 L/100L Nufarm CanDo™ Adjuvant (or 1 L/100L of a registered high quality methylated seed oil adjuvant) in tank mixes with Nufarm Galaxy™.

Application

Use only low boom equipment set up to provide good coverage of weeds within the crop canopy. Apply in water volumes of 50 to 150 L/ha. High spray volumes are required for use in advanced weeds (greater than 4 leaf at time of application), heavy weed density causing shading of weeds or heavy crop canopy causing shading of weeds, as adequate coverage is critical to ensure control.

Crop Safety

DO NOT apply to crops undersown with legumes or broadleaf pastures.

DO NOT apply to any crop other than wheat, barley, oats or triticale.

DO NOT apply tank mixtures of Nufarm Bromicide® 200 or Nufarm Bromicide® MA in oats.

For optimum weed control and to minimise crop effect, spray application should occur to actively growing crops within the recommended crop growth stage of the Directions for Use table.

Some crop yellowing, bleaching, necrosis and reduction in crop biomass may occur within the first four weeks following spray application. Crop effects may be more visual under certain environmental stress conditions (eg wet, cold, dry, frost) or where crop health is negatively impacted due to disease, nutrition, insects, or prior herbicide applications. Crop injury may occur when dew is present at the time of application or when light rain occurs soon after application. Applications should not be made when the crop is under stress from very cold temperature, or when rain, dew or frost may occur prior to, at or immediately after application.

When applying in a tank mix with Nufarm Bromicide® MA or Nufarm Bromicide® 200; ensure label recommendations are followed in regard to temperature at time of application to minimise crop effect. When applying in a tank mix with fungicides, minor crop bleaching may occur. This is only temporary and does not affect the crop biomass.

Crop Rotation Recommendations

Minimum recropping intervals apply for all crops following application of Nufarm Galaxy™. Recropping intervals are dependent on the rate of product applied. Areas that receive double rates (boom overlaps) may show symptoms of damage in sensitive crops. This is generally restricted to discolouration (bleaching) of the crop but may also result in biomass reduction or reduced yields in some situations. For advice on crops not listed below, contact Nufarm Australia Limited.

Rainfall/irrigation - winter and summer recropping

For crops listed as requiring a minimum amount of rainfall or irrigation in combination with a set recropping interval - rainfall and irrigation totalling less than the stated amount in the tables below following use of Nufarm Galaxy™ may result in an extended recropping interval. Patchy rain, with extended dry periods, may also result in extended recropping intervals, even when rainfall exceeds the minimum stated. If in doubt, seek specialist advice.

Dry conditions or less than the recommended minimum rainfall

Nufarm Galaxy™ breaks down by microbial degradation, which is favoured by warm, moist, aerobic soil. Where less than the minimum rain has fallen between application and planting the next year, it is recommended to only plant a cereal crop.

pH

Application to soils with a pH greater than 8.4 (soil in water) has not been tested and is not recommended. Recropping symptoms are reduced on acid soils (pH <6.5 soil in water, pH <6.0 in CaCl₂).

Tank mixture with other herbicides

Observe the longer recropping interval of the tank mix products used for the relevant crop.

Recropping Intervals - Winter Sown Crops

Crop - winter sown	Rate of Nufarm Galaxy™ applied	Minimum rainfall/irrigation required	Recropping interval
Wheat, barley, oat, triticale	Up to 670 mL/ha	-	3 weeks
Canola, clover*, chickpea, faba bean*, field pea, lentil*, lucerne, lupin, vetch	330 mL/ha	250 mm	9 months
Alkaline or neutral soils - Canola, chickpea, field pea, lucerne, lupin, vetch	670 mL/ha**		
Acid soils (pH <6.5 in water, pH <6.0 in CaCl ₂) - Canola, chickpea, clover, faba bean, field pea, lentil, lucerne, lupin, medic, vetch	670 mL/ha		
Alkaline or neutral soils - Lentil, medic. Note, on soils with free limestone DO NOT use Nufarm Galaxy™ above 330 mL/ha unless substantial biomass reduction (medic) or discolouration (lentil, medic) is acceptable in areas of boom overlap.	670 mL/ha (see note in Crop column)	500 mm	21 months

For winter recropping, transient biomass reduction or discolouration may occur where recropped following application of Nufarm Galaxy™. When used as directed, grain yield is not compromised where transient biomass reduction or discolouration occurs.

* Where Nufarm Galaxy™ at 330 mL/ha is applied on alkaline soils, recropping areas that receive double rates (boom overlaps) may show increased symptoms of damage in crops such as clover, faba beans and lentil. This is generally restricted to discolouration (bleaching) of the crop but may also result in biomass reduction or reduced yields in soil situations.

** Where Nufarm Galaxy™ is applied on alkaline soils, recropping areas that received double rates (boom overlaps) may show increased symptoms of damage in crops such as canola, field pea, lentil, lupin, medic and vetch. This is generally restricted to discolouration (bleaching) of the crop but may also result in biomass reduction or reduced yields in some situations.

Recropping Intervals - Summer Sown Crops

Crop - summer sown	Rate of Nufarm Galaxy™ applied	Minimum rainfall required	Recropping interval
Maize, sorghum	Up to 670 mL/ha	-	8 weeks
Cotton, soybean, sunflower	Up to 330 mL/ha	300 mm	14 months
Mung bean	Up to 670 mL/ha***	300 mm	
Cotton, soybean, sunflower	Up to 670 mL/ha***	500 mm	

For summer recropping, transient biomass reduction or discolouration may occur where recropped after application of Nufarm Galaxy™. When used as directed, grain yield is not compromised where transient biomass reduction or discolouration occurs.

***Where Nufarm Galaxy™ is applied at 500 mL/ha, recropping areas that receive double rates (boom overlaps) may show increased symptoms of damage. This is generally restricted to discolouration (bleaching) of the crop but may also result in biomass reduction in some situations.

Sprayer Clean-up

The sprayer must be thoroughly cleaned before being reused to spray crops other than winter cereals. Warning: The rubber components present in some spraying units may be affected by exposure to undiluted Nufarm Galaxy™. To reduce the risk of adverse effects it is recommended that the spray unit be thoroughly cleaned after each use.

Cleaning procedure: Ensure that the following operation is carried out in an area that is clear of waterways, desirable vegetation and tree roots, and preferably in an area where drainings can be contained.

Fill the boom tank with water, rinse and repeat this procedure (i.e. fill and rinse the tank twice) then remove and clean all filters (inline and nozzle) separately. A boom cleaner should be used in this process to provide an effective cleaning technique. This should be done immediately after spraying is finished to prevent dried residues adhering to the tank/lines/filters. Refer to the product labels of tank mix products for appropriate cleaning instructions for those products.