

MAJOR USEAGE RESTRICTIONS HERBICIDES PROSERPINE

Major usage constraints for some commonly used herbicides

BUFFER ZONES

Observing buffer zones helps to minimise our impact on the environment and other land uses.

2,4-D

Ground applied over the top of cane with boom sprayer

CONCENTRATION OF 2,4-D IN PRODUCT	EXAMPLE PRODUCT	PRODUCT RATE/HA	DOWNWIND MANDATORY NO-SPRAY ZONE (M)	
			Aquatic	Terrestrial
625g/L (excludes DMA salt only formulation)	Nufarm Amine 625	Up to 1700mL	20	20
	Nufarm Zephyr 625	Up to 3500mL	35	35
680g/L	Nufarm Estercide Xtra 680	Up to 2400mL	30	40
700g/L (excludes sodium salt formulation)	Amicide Advance 700	Up to 1500mL	20	20
		Up to 3100mL	30	30

Aerially applied – low application rates, application height 3 m or less above canopy

CONCENTRATION OF 2,4-D IN PRODUCT	EXAMPLE PRODUCT	PRODUCT RATE /HA	MINIMUM SPRAY DROPLET SIZE	DOWNWIND MANDATORY NO-SPRAY ZONE (M)			
				Fixed wing		Helicopter	
				Aquatic	Terrestrial	Aquatic	Terrestrial
625g/L (excludes DMA salt only formulation)	Nufarm Amine 625	Up to 1700mL	VERY COARSE	95	90	90	85
			EXTREMELY COARSE	70	70	70	65
	Nufarm Zephyr 625	Up to 2000mL	VERY COARSE	110	100	95	95
700g/L (excludes sodium salt formulation)	Amicide Advance 700	Up to 1500mL	EXTREMELY COARSE	80	75	75	70
			VERY COARSE	95	90	90	85
		EXTREMELY COARSE	70	70	70	65	
		Up to 1800mL	VERY COARSE	110	100	95	95
			EXTREMELY COARSE	80	75	75	70

Aerially applied – high application rates irrespective of spray droplet size

CONCENTRATION OF 2,4-D IN PRODUCT	EXAMPLE PRODUCT	PRODUCT RATE /HA	APPLICATION HEIGHT ABOVE CANOPY (M)	DOWNWIND MANDATORY NO SPRAY ZONE (M)			
				Fixed wing		Helicopter	
				Aquatic	Terrestrial	Aquatic	Terrestrial
625g/L (excludes DMA salt only formulation)	Nufarm Amine 625	Up to 3500mL	<3	180	170	150	140
	Nufarm Zephyr 625		>3 to max 5	425	400	250	225
680g/L	Nufarm Estercide Xtra 680	Up to 1150mL	<3	75	110	70	100
			>3 to max 5	140	220	120	160
		Up to 2400mL	<3	130	250	120	180
			>3 to max 5	300	550	190	300
700g/L (excludes sodium salt formulation)	Amicide Advance 700	Up to 3100mL	<3	170	160	150	140
			>3 to max 5	400	375	250	220

2,4-D + picloram

Ground applied over the top of cane with boom sprayer

PRODUCT RATE/HA	EXAMPLE PRODUCT	DOWNWIND MANDATORY NO-SPRAY ZONE (M)	
		Aquatic	Terrestrial
Up to 700mL + 1000mL 2,4-D Amine 500	Tordon 75-D	10	10
Up to 1500mL + 1000mL 2,4-D Amine 500		15	15
Up to 2400mL		20	20

Aerially applied

RELEASE HEIGHT (M)	EXAMPLE PRODUCT	PRODUCT RATE/HA	DOWNWIND MANDATORY NO-SPRAY ZONE (M)			
			Fixed wing		Helicopter	
			Aquatic	Terrestrial	Aquatic	Terrestrial
<3	Tordon 75-D	Up to 700mL + 1000mL 2,4-D Amine 500	70	70	70	65
		Up to 1500mL + 1000mL 2,4-D Amine 500	85	85	80	80

Other herbicides

ACTIVE INGREDIENTS	EXAMPLE PRODUCT	PRODUCT RATE/HA	DOWNWIND MANDATORY NO-SPRAY ZONE (M)	
			Aquatic	Terrestrial
amicarbazone	AmiTron	All rates	30	10
atrazine	Atrazine	All rates	60 (natural or impounded lakes or dams)	na
diuron	Diurex WG	280 – 500g (900g/kg formulation)	25	50
		2000g (900g/kg formulation)	100	200
diuron + hexazinone	Barrage Bobcat combi	All rates Used alone	100	200
		All rates Mixed with paraquat	25	50
imazapic	Spark	All rates	50	na
metribuzin	Mentor	All rates Applied ground spray rigs without droppers	30	75
S - metolachlor + atrazine	Primextra Gold	All rates	20 (waterways)	na
			60 (natural or impounded lakes or dams)	na
terbutylazine + isoxaflutole	Palmero TX	<1000g (boom height 0.5m or lower)	30	30
		<1000g (boom height > 0.5m)	80	75
		Up to maximum label rate (boom height 0.5m or lower)	45	45
		Up to maximum label rate (boom height > 0.5m)	140	130

Other usage constraints also apply to most herbicides – always read and follow label instructions.

No-spray windows for Mackay Whitsunday Region

Diuron-based herbicides

MONTHS	PRODUCTS CONTAINING DIURON ONLY (E.G. DIUREX WG)		PRODUCTS CONTAINING DIURON AND HEXAZINONE (E.G. BOBCAT COMBI, BARRAGE)			
	Up to 450g diuron active/ha (mixed with paraquat)	More than 450g up to 1.8kg diuron active/ha	Up to 450g diuron active/ha (mixed with paraquat)	1.4 to 1.8kg diuron active/ha		
	Plant and ratoons Blanket spray.	Plant and ratoons After cane emergence. Directed band spray over maximum 60% of crop area.	Plant and ratoons Directed spray.	Ratoons Before cane and weed emergence.	Plant and ratoons After cane emergence. Directed band spray over maximum 60% of crop area.	1kg product/100L spot spray for Guinea grass. Maximum 5% of total farm area.
November	Spray	Spray	Spray	No spray	No spray	Spray
December to April		No spray				
May		Spray				
June to October		Spray		Spray	Spray	

Amicarbazone (AmiTron)

October to December	No spray
January to September	Spray

2,4-D

The Australian Pesticides and Veterinary Medicines Authority (APVMA) is due to confirm no-spray windows for herbicides containing 2,4-D sometime during 2021.

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MORE INFORMATION

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