

Product Name: Nufarm Saracen Herbicide
APVMA Approval No: 89267/132424



Label Name:	Nufarm Saracen Herbicide
Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	50 g/L FLORASULAM
Mode of Action:	GROUP 2 HERBICIDE
Statement of Claims:	For post-emergent control of certain broadleaf weeds in cereals and fallow as per the DIRECTIONS FOR USE.
Net Contents:	500 mL - 110 L
Restraints:	This section contains file attachment.
Directions for Use:	This section contains file attachment.
Other Limitations:	
Withholding Periods:	WITHHOLDING PERIODS

	<p>HARVEST: NOT REQUIRED WHEN USED AS DIRECTED When using Saracen® Herbicide in tank mix with another product, observe the Harvest Withholding Period of the other product.</p> <p>GRAZING: DO NOT CUT OR GRAZE FOR STOCKFOOD FOR 7 DAYS AFTER APPLICATION When using Saracen® Herbicide in tank mix with another product, observe which ever grazing Withholding Period is longer.</p>
Trade Advice:	<p>TRADE ADVICE FODDER INTENDED FOR EXPORT: When Saracen® is used as directed residues in fodder are not expected. However, as export requirements are subject to change, consult your exporter before using this product on crops destined to be used for export fodder. LIVESTOCK DESTINED FOR EXPORT MARKETS: When Saracen® is used as directed and the above withholding period is observed, livestock commodities are considered acceptable for export. However, as export requirements are subject to change, consult your exporter for updated information about specific market requirements.</p>
General Instructions:	<p>This section contains file attachment.</p>
Resistance Warning:	<p>RESISTANT WEEDS WARNING GROUP 2 HERBICIDE Nufarm Saracen® Herbicide is a member of the triazolopyrimidine sulfonanilide group of herbicides. Saracen® has the acetolactate synthase (ALS) inhibitor mode of action. For herbicide resistance management, Saracen® is a Group 2 herbicide. Some naturally occurring weed biotypes resistant to the product and other Group 2 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 this product or other Group 2 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Nufarm accepts no liability for any losses that may results from the failure of the product to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or local Nufarm representative.</p>
Precautions:	<p>PRECAUTIONS RE-ENTRY: DO NOT allow entry into 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 days' use.</p>
Protections:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.</p>
Storage and Disposal:	<p>STORAGE AND DISPOSAL Store in the closed, original container in a 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 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</p>

	<p>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>SAFETY DIRECTIONS May irritate the eyes and skin. Avoid contact with eyes and skin. When using together with other products, consult their label safety directions. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length chemical resistant gloves and goggles. Wash hands after use. After each day's use, wash contaminated clothing, gloves and goggles.</p>
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First Aid Instructions:	<p>FIRST AID If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.</p>
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First Aid Warnings:	
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NUFARM SARACEN HERBICIDE

RESTRAINTS

DO NOT apply to crops or weeds which may be stressed due to prolonged periods of extreme cold, sustained high temperature within 48 hours of application, moisture stress (water logging or drought), nutritional stress, root disease or previous herbicide treatment, as crop damage or reduced levels of control may result.

DO NOT apply if rain is likely to occur within 3 hours or if heavy rain or storms are forecast within 48 hours.

DO NOT irrigate to the point of run-off for at least 48 hours after application.

DO NOT apply later than growth stage Z37 (flag leaf just visible).

SPRAY DRIFT RESTRAINTS

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 tables 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.

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 (**VERY COARSE when the primary tank mix partner is Amicide Advance 700 or Estericide Xtra 680.**)
- minimum distances between the application site and downwind sensitive areas are observed. See "Mandatory Downwind Buffer Zones" section of the following table titled "Buffer Zones for Boom Sprayers" -

BUFFER ZONES FOR BOOM SPRAYERS

Application rate	Boom height above target canopy	Mandatory Downwind Buffer Zones	
		Natural aquatic areas	Vegetation areas
100 mL/ha Saracen	0.5 m or lower	Not required	35 m
	1.0 m or lower	20 m	100 m
100 mL/ha Saracen + 440 mL/ha Polo LVE 570 Herbicide	0.5 m or lower	25 m	40 m
	1.0 m or lower	55 m	110 m
100 mL/ha Saracen + 500 mL/ha Nufarm Bromicide MA Selective Herbicide	0.5 m or lower	25 m	35 m
	1.0 m or lower	55 m	100 m
75 - 100 mL/ha Saracen + 260 - 350 mL/ha Amicide Advance 700	0.5 m or lower	30 m	55 m
	1.0 m or lower	70 m	170 m
75 - 100 mL/ha Saracen + 265 - 360 mL/ha Estericide Xtra® 680	0.5 m or lower	0 m	65 m
	1.0 m or lower	20 m	220 m

DO NOT apply by aircraft unless the following requirements are met:

- spray droplets are not smaller than a COARSE spray droplet size category (**VERY COARSE when the primary tank mix partner is Amicide Advance 700 or Estericide Xtra 680.**)
- for maximum release heights above the target canopy of 3 m or 25% of wingspan or 25% of rotor diameter whichever is the greatest, minimum distances between the application site and downwind sensitive areas **are observed**. See "Mandatory Downwind Buffer Zones" section of the following table titled "Buffer Zones for Aircraft" -

BUFFER ZONES FOR AIRCRAFT

Application rate	Type of aircraft	Mandatory Downwind Buffer Zones	
		Natural aquatic areas	Vegetation areas
100 mL/ha Saracen	Fixed wing	75 m	375 m
	Helicopter	60 m	220 m
100 mL/ha Saracen + 440 mL/ha Polo LVE 570 Herbicide	Fixed wing	200 m	425 m
	Helicopter	140 m	240 m
100 mL/ha Saracen + 500 mL/ha Nufarm Bromicide MA Herbicide	Fixed wing	200 m	375 m
	Helicopter	140 m	230 m
75 - 100 mL/ha Saracen + 260 - 350 mL/ha Amicide Advance 700	Fixed wing	210 m	500 m
	Helicopter	150 m	275 m
75 - 100 mL/ha Saracen + 265 - 360 mL/ha Estericide Xtra® 680	Fixed wing	75 m	600 m
	Helicopter	60 m	300 m

NUFARM SARACEN HERBICIDE

SECTION 1: CROPS AND SITUATIONS

CROP/SITUATION	CROP STAGE	RATE	CRITICAL COMMENTS
Nufarm Saracen® alone or in mixtures with Nufarm Bromicide® MA or Nufarm Polo® 570 LVE: Barley Oats Triticale Wheat Ryegrass pasture	3 leaf to flag leaf just visible (Z13-37)	100 mL/ha + 0.5 L/100 L Nufarm CanDo™ Adjuvant* OR 100 mL/ha + 500 mL/ha Nufarm Bromicide® MA + 0.5 L/100 L Nufarm CanDo™ Adjuvant* OR 100 mL/ha + 440 mL/ha Nufarm Polo® 570 LVE + 0.5 L/100 L Nufarm CanDo™ Adjuvant*	Nufarm Saracen® will not reliably control weeds that emerge after treatment. Apply to actively growing weeds. Best results are achieved when weeds are small (2 - 4 leaf) and under good growing conditions. Treatment of crop or weeds that are stressed must be avoided. While grain yields are unaffected, slight, transient yellowing and growth retardation may occur in some conditions. Crop recovery is usually rapid, but may be slower if crops are stressed due to prolonged periods of extreme cold, moisture stress, nutritional stress or root disease. Nufarm Saracen® can be tank mixed with compatible broad-leaf herbicides to extend the weed spectrum as per the labels of those products.
Nufarm Saracen® in mixtures with Nufarm Amicide® Advance 700: Barley Oats Triticale Wheat Ryegrass pasture	5 leaf to flag leaf just visible (Z15-37)	75 - 100 mL/ha + 260 - 350 mL/ha Nufarm Amicide® Advance 700 + 0.5 L/100 L Nufarm CanDo™ Adjuvant*	<u>In fallows:</u> To add control of grass weeds, Nufarm Saracen® (including in mixtures with Nufarm Amicide® Advance 700 or Nufarm Estericide Xtra® 680), can be mixed with Nufarm CRUCIAL®**. Refer to the Nufarm CRUCIAL® label for use rates and adjuvants recommended for the grasses (see General Instructions, Compatibility Section).
Nufarm Saracen® alone or in mixtures with Nufarm Amicide® Advance 700 or Nufarm Estericide Xtra® 680: Summer or winter fallow prior to planting crops listed in the ROTATIONAL CROPS section.	Fallow	100 mL/ha + 0.5 L/100 L Nufarm CanDo™ Adjuvant* OR 75 - 100 mL/ha + 260 - 350 mL/ha Nufarm Amicide® Advance 700 + 0.5 L/100 L Nufarm CanDo™ Adjuvant* OR 75 - 100 mL/ha + 265 - 360 mL/ha Nufarm Estericide Xtra® 680 + 0.5 L/100 L Nufarm CanDo™ Adjuvant*	

**Alternatively to Nufarm CRUCIAL®, Nufarm weedmaster DST®, Nufarm weedmaster ARGO® or Nufarm Gladiator CT® can be used provided all label guidelines are observed.

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

SECTION 2: WEED TABLE

WEEDS CONTROLLED	WEED GROWTH STAGE	RATE Nufarm Saracen® used alone	RATE Nufarm Saracen® + Nufarm Bromicide® MA	RATE Nufarm Saracen® + Nufarm Polo® 570 LVE	RATE Nufarm Saracen® + Nufarm Amicide® Advance 700	RATE Nufarm Saracen® + Nufarm Estericide® Xtra 680	CRITICAL COMMENTS
		ALWAYS add 0.5 L/100 L Nufarm CanDo™ Adjuvant					
Bedstraw (<i>Galium tricornutum</i>)	Up to 4 whorl or 8 cm in height	100 mL/ha Nufarm Saracen®	100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA	100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE			Addition of Nufarm Bromicide® MA or Nufarm Polo® 570 LVE adds improved early brownout.
	Up to 6 whorl or 10 cm in height				100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Nufarm Estericide® Xtra 680	
Bifora (<i>Bifora testiculata</i>)	Up to 4 leaf or 5 cm in diameter	100 mL/ha Nufarm Saracen®					Control of Bifora can be expected if actively growing weeds are treated in warm conditions. Conversely, control may be reduced in cold, wet conditions that slow plant growth.

WEEDS CONTROLLED	WEED GROWTH STAGE	RATE Nufarm Saracen® used alone	RATE Nufarm Saracen® + Nufarm Bromicide® MA	RATE Nufarm Saracen® + Nufarm Polo® 570 LVE	RATE Nufarm Saracen® + Nufarm Amicide® Advance 700	RATE Nufarm Saracen® + Nufarm Estercide® Xtra 680	CRITICAL COMMENTS
		ALWAYS add 0.5 L/100 L Nufarm CanDo™ Adjuvant					
Capeweed (<i>Arctotheca calendula</i>)	Up to 6 leaf or 8 cm in diameter	100 mL/ha Nufarm Saracen®	100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA				Control of Capeweed can be expected if actively growing weeds are treated in warm conditions. Conversely, control may be reduced in cold, wet conditions that slow plant growth. Addition of Nufarm Bromicide® MA adds improved final control.
Charlock (<i>Sinapis arvensis</i>)	Up to 4 leaf		100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA	100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE			
Climbing buckwheat/black bindweed (<i>Fallopia convolvulus</i>)	Up to 6 leaf				100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Nufarm Estercide® Xtra 680	Suppression only.
					75 mL/ha Nufarm Saracen® + 260 mL/ha Nufarm Amicide® Advance 700 + Trooper® 242 at label rates		The addition of Trooper® 242 adds control of Climbing buckwheat/black bindweed in NSW and Qld only with a lower rate of Nufarm Saracen® and Nufarm Amicide® Advance 700. DO NOT add Trooper® 242 when applying in fallows.
Common Fumitory (<i>Fumaria officinalis</i>)	Up to 4 leaf or 5 cm in height	100 mL/ha Nufarm Saracen®					Suppression only.
Dense-flowered Fumitory (<i>Fumaria densiflora</i>)	Up to 3 leaf or 4 cm in height	100 mL/ha Nufarm Saracen®		100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo 570 LVE			Addition of Nufarm Polo® 570 LVE adds improved final control.
Doublegee/Spiny Emex/Three Cornered Jack (<i>Emex australis</i>)	Up to 4 leaf or 10 cm in diameter	100 mL/ha Nufarm Saracen®	100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA		100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Nufarm Estercide® Xtra 680	Addition of Nufarm Bromicide® MA adds improved early brownout.
Hedge Mustard (<i>Sisymbrium officinale</i>)	Up to 4 leaf	100 mL/ha Nufarm Saracen®	100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA	100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE			Addition of Nufarm Bromicide® MA or Nufarm Polo® 570 LVE adds improved early brownout.
Indian hedge mustard (<i>Sisymbrium orientale</i>)	Up to 4 leaf				100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Nufarm Estercide® Xtra 680	
	Up to 6 leaf		100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA	100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE			
Long Storksbill (<i>Erodium botrys</i>)	Up to 9 leaf	100 mL/ha Nufarm Saracen®					
Matricaria (<i>Oncosiphon piluliferum</i>)	Up to 20 cm in diameter	100 mL/ha Nufarm Saracen®					Suppression only.

WEEDS CONTROLLED	WEED GROWTH STAGE	RATE Nufarm Saracen® used alone	RATE Nufarm Saracen® + Nufarm Bromicide® MA	RATE Nufarm Saracen® + Nufarm Polo® 570 LVE	RATE Nufarm Saracen® + Nufarm Amicide® Advance 700	RATE Nufarm Saracen® + Nufarm Estercide® Xtra 680	CRITICAL COMMENTS
		ALWAYS add 0.5 L/100 L Nufarm CanDo™ Adjuvant					
Mexican Poppy (<i>Argemone mexicana</i>)	Up to 4 leaf or 4 cm in height		100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA				
Prickly Lettuce (<i>Lactuca serriola</i>)	Up to 7 leaf or 6 cm in diameter		100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA				
Shepherd's Purse (<i>Capsella bursa-pastoris</i>)	Up to 8 leaf or 5 cm in diameter	100 mL/ha Nufarm Saracen®	100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA	100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE			Addition of Nufarm Bromicide® MA or Nufarm Polo® 570 LVE adds improved early brownout.
Snail Medic (<i>Medicago scutellata</i>)	Up to 6 leaf or 10 cm in diameter	100 mL/ha Nufarm Saracen®	100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA	100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE			Addition of Nufarm Bromicide® MA or Nufarm Polo® 570 LVE adds improved early brownout.
Sowthistle/Milk Thistle (<i>Sonchus oleraceus</i>)	Up to 3 leaf or 2 cm in diameter	100 mL/ha Nufarm Saracen®					
Sub-clover (<i>Trifolium subterraneum</i>)	Up to 6 leaf or 10 cm in diameter	100 mL/ha Nufarm Saracen®					
Turnip weed (<i>Rapistrum rugosum</i>)	Up to 4 leaf				100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Nufarm Estercide® Xtra 680	
	Up to 6 leaf		100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA	100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE			
Variegated thistle (<i>Silybum marianum</i>)	Up to 6 leaf				100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Nufarm Estercide® Xtra 680	Suppression only.
					75 mL/ha Nufarm Saracen® + 260 mL/ha Nufarm Amicide® Advance 700 + Trooper® 242 at label rates		The addition of Trooper® 242 adds control of Variegated thistle in NSW and Qld only with a lower rate of Nufarm Saracen® and Nufarm Amicide® Advance 700. DO NOT add Trooper® 242 when applying in fallows.
Vetch/Tares (<i>Vicia sativa</i>)	Up to 5 node or 10 cm in height	100 mL/ha Nufarm Saracen®	100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA	100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE			Addition of Nufarm Bromicide® MA or Nufarm Polo 570 LVE adds improved early brownout.
	Up to 6 node or 20 cm in height				100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Nufarm Estercide Xtra® 680	

WEEDS CONTROLLED	WEED GROWTH STAGE	RATE Nufarm Saracen® used alone	RATE Nufarm Saracen® + Nufarm Bromicide® MA	RATE Nufarm Saracen® + Nufarm Polo® 570 LVE	RATE Nufarm Saracen® + Nufarm Amicide® Advance 700	RATE Nufarm Saracen® + Nufarm Estercide® Xtra 680	CRITICAL COMMENTS
		ALWAYS add 0.5 L/100 L Nufarm CanDo™ Adjuvant					
Volunteer Canola (<i>Brassica napus</i>) (non- imidazolinone herbicide tolerant varieties)	Up to 6 leaf	100 mL/ha Nufarm Saracen®					
Volunteer Chickpea (<i>Cicer arietinum</i>)	Up to 5 node	100 mL/ha Nufarm Saracen®					
	Up to 6 node or 20 cm in height				100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Estercide Xtra® 680	
Volunteer Faba Bean (<i>Vicia faba</i>) (non- imidazolinone herbicide tolerant varieties)	Up to 3 node	100 mL/ha Nufarm Saracen®	100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA	100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE			Addition of Nufarm Bromicide® MA or Nufar Polo® 570 LVE adds improved early brownout.
	Up to 6 node or 15 cm in height				100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Nufarm Estercide Xtra® 680	
Volunteer Field Pea (<i>Pisum sativum</i>) (non- imidazolinone herbicide tolerant varieties)	Up to 6 node or 12 cm in height	100 mL/ha Nufarm Saracen®					
Volunteer lentil (<i>Lens culinaris</i>)	Up to 6 node or 20 cm in height				100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Nufarm Estercide Xtra® 680	
Volunteer Lupins (<i>Lupinus angustifolius</i>)	Up to 6 leaf or 15 cm in height	100 mL/ha Nufarm Saracen®		100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE			Addition Nufarm Polo® 570 LVE adds improved early brownout.
Wild radish (<i>Raphanus raphanistrum</i>)	Up to 4 leaf or 5 cm in diameter		100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA	100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE	100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Nufarm Estercide Xtra® 680	
Wild turnip (<i>Brassica tournefortii</i>)	Up to 4 leaf				100 mL/ha Nufarm Saracen® + 350 mL/ha Nufarm Amicide® Advance 700	100 mL/ha Nufarm Saracen® + 360 mL/ha Nufarm Estercide Xtra® 680	
	Up to 5 leaf or 10 cm in diameter		100 mL/ha Nufarm Saracen® + 500 mL/ha Nufarm Bromicide® MA	100 mL/ha Nufarm Saracen® + 440 mL/ha Nufarm Polo® 570 LVE			

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

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

NUFARM SARACEN® HERBICIDE

GENERAL INSTRUCTIONS

Nufarm Saracen® is a suspension concentrate formulation that mixes readily with water. Nufarm Saracen® is a foliar herbicide for post-emergence use in wheat, barley, triticale, oats and ryegrass pasture. It will not reliably control weeds that emerge after treatment. Apply to actively growing weeds. Best results are achieved when weeds are small (2 - 4 leaf) and under good growing conditions. Treatment of crop or weeds that are stressed must be avoided.

Crop Safety

While grain yields are unaffected, slight, transient yellowing and growth retardation may occur in some conditions. Crop recovery is usually rapid, but may be slower if crops are stressed due to prolonged periods of extreme cold, moisture stress, nutritional stress or root disease. Nufarm Saracen® can be tank mixed with compatible broad-leaf herbicides to extend the weed spectrum as per the labels of those products.

Rotational Crops

Nufarm Saracen® is primarily broken down in soil by microbial activity. Under conditions not conducive to microbial activity, e.g. dry seasons, cold and/or waterlogged soil it may take longer to degrade.

Plantback intervals to winter crops after an application of Nufarm Saracen®

Crop to be sown	Minimum re-cropping interval	Minimum rainfall requirements from application to planting
Wheat, barley, triticale	1 week	None
Oats	6 weeks	25 mm
Sub clover, canola, chickpeas, faba bean, field pea, lentils, lupins, medic, vetch	8 months	100 mm

Plantback intervals to summer crops after an application of Nufarm Saracen®

Crop to be sown	Minimum re-cropping interval	Minimum rainfall requirements from application to planting
Maize, sorghum	4 months	100 mm
Mung beans	5 months	150 mm
All other summer crops including cotton, sunflowers, soybeans	6 months	150 mm

Mixing

Add the required amount of Nufarm Saracen® to the spray tank when partly filled with water and begin agitation. Ensure agitation is maintained while topping up the tank and during application. Add Nufarm CanDo™ Adjuvant at 0.5 L/100 L after Nufarm Saracen® is well mixed in the spray solution and near the end of the filling process to minimize foaming. **Only mix sufficient chemical for each day's work.** Tank mixtures: wettable powder or dry flowable formulations should be added to the spray tank first, followed by suspension concentrates (Nufarm Saracen®), aqueous concentrates (e.g. Nufarm Amicide® Advance 700, Nufarm CRUCIAL®) and then emulsifiable concentrate formulations (e.g. Nufarm Bromicide® MA, Nufarm Polo® 570 LVE, Nufarm Estercide Xtra® 680). DO NOT allow prepared mixture to stand overnight.

Boom Sprayer Application

Apply Nufarm Saracen® in sufficient water to obtain good coverage. Apply by an accurately calibrated ground rig using a water volume of 80 - 100 L/ha.

Aerial Application

Apply a minimum water volume of 40 L/ha. Markers should always move upwind before aircraft passes overhead. Application by micronair equipment may give variable results.

Cleaning Spray Equipment

After using Nufarm Saracen®, empty the tank completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose. Drain the tank and wash tank, pump, line and nozzle filters.

Partial cleaning (rinse only - before using rig to spray barley and wheat): after cleaning the tank as above, quarter fill the tank with clean water and circulate through the pump, line, hoses and nozzles. Drain and repeat procedure twice.

Complete cleaning (decontamination - before using rig to spray crops that are susceptible to Nufarm Saracen®): after cleaning the tank as above, quarter fill the tank with clean water and add a liquid alkali detergent at 500 mL/100L water or tank cleaner (e.g. Nufarm Tank and Equipment Cleaner) at recommended rates and circulate throughout the system for at least 15 minutes. Drain the whole system. Then remove filters and nozzles and clean separately. Finally, rinse inside the tank thoroughly using a pressure hose and flush system with clean water and allow to drain.

Note: if using a concentrated laundry detergent use 250 g (or mL)/100L. DO NOT use chlorine based cleaners.

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