

Product Name: Terrad'or Herbicide
APVMA Approval No: 88074/138235



Label Name:	Terrad'or Herbicide
Signal Headings:	READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	ACTIVE CONSTITUENT: 700 g/kg TIAFENACIL
Mode of Action:	GROUP 14 HERBICIDE
Statement of Claims:	For the control and increased speed of brownout of a range of broadleaf and grass weeds prior to establishment of crops, fallows and other uses as per the DIRECTIONS FOR USE.
Net Contents:	500 g - 50 kg
Restraints:	This section contains file attachment.
Directions for Use:	This section contains file attachment.
Other Limitations:	
Withholding Periods:	WITHHOLDING PERIODS HARVEST: NOT REQUIRED WHEN USED AS DIRECTED. GRAZING: FALLOW: DO NOT ALLOW LIVESTOCK TO GRAZE TREATED WEEDS.

	CANOLA, CEREALS, MUSTARD (OILSEED CULTIVARS), PASTURES, PULSES: DO NOT GRAZE TREATED AREAS OR CUT FOR STOCKFOOD FOR 8 WEEKS AFTER APPLICATION. COTTON: DO NOT GRAZE TREATED AREAS OR CUT FOR STOCKFOOD.
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Trade Advice:	
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General Instructions:	This section contains file attachment.
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Resistance Warning:	<p>RESISTANT WEEDS WARNING GROUP 14 HERBICIDE Terrad'or® is a member of the Pyrimidindione group of herbicides. The mode of action of Terrad'or® is to inhibit protoporphyrinogen oxidase. For weed resistance management, Terrad'or® is a Group 14 Herbicide. Some naturally-occurring weed biotypes resistant to Terrad'or® and other Group 14 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 Terrad'or® or other Group 14 Herbicides.</p> <p>Since the occurrence of resistant weeds is difficult to detect prior to use, Nufarm Australia Limited and FarmHannong Co Ltd accept no liability for any losses that may result from the failure of Terrad'or® to control resistant weeds. Strategies to minimize the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department of Agriculture or Weedsmart (weedsmart.org.au).</p>
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Precautions:	<p>PRECAUTIONS Re-entry DO NOT enter or allow entry into treated areas until the spray has dried.</p>
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Protections:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT 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>STORAGE AND DISPOSAL Keep out of reach of children. Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight.</p> <p>For plastic containers: 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 foil bags: Single-rinse or shake remainder into spray tank. DO NOT dispose of undiluted chemicals on site. 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>
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Safety Directions:	<p>SAFETY DIRECTIONS</p> <p>May irritate the eyes. Avoid contact with eyes. When using together with other products, consult their safety directions. When using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and gauntlet-length chemical resistant gloves. Wash hand after use. After each days use wash gloves and contaminated clothing.</p>
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First Aid Instructions:	<p>FIRST AID</p> <p>First aid is not generally required. If in doubt, contact a Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.</p>
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First Aid Warnings:	
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RESTRAINTS

DO NOT apply by aircraft.

DO NOT apply if heavy rains or storms are forecast within 3 days.

DO NOT irrigate to the point of field runoff for at least 3 days after application.

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 buffer zones in the 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 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
- Minimum distances between the application site and downwind sensitive areas are observed (see mandatory downwind buffer zones in the table titled 'Buffer zones for boom sprayers' below).

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
Up to 20 g/ha	0.5 m or lower	Not required	Not required	Not required	Not required	Not required
	1.0 m or lower		10 metres		15 metres	
Up to 40 g/ha	0.5 m or lower		Not required		Not required	
	1.0 m or lower		20 metres		25 metres	
Up to 25 g/ha + 0.6 L/ha Nufarm CRUCIAL [^]	0.5 m or lower		Not required		10 metres	
	1.0 m or lower		15 metres		35 metres	
Up to 40 g/ha + 0.6 L/ha Nufarm CRUCIAL [^]	0.5 m or lower		Not required		15 metres	
	1.0 m or lower		20 metres		45 metres	
Up to 25 g/ha + up to 1.2 L/ha Nufarm CRUCIAL [^]	0.5 m or lower		Not required		15 metres	
	1.0 m or lower		15 metres		45 metres	
Up to 40 g/ha + up to 1.2 L/ha Nufarm CRUCIAL [^]	0.5 m or lower		Not required		25 metres	
	1.0 m or lower		20 metres		60 metres	
Up to 25 g/ha + up to 1.8 L/ha Nufarm CRUCIAL [^]	0.5 m or lower		0 metres		25 metres	
	1.0 m or lower		15 metres		60 metres	
Up to 40 g/ha + up to 1.8 L/ha Nufarm CRUCIAL [^]	0.5 m or lower		Not required		25 metres	
	1.0 m or lower		20 metres		60 metres	
Up to 40 g/ha + up to 2.4 L/ha Nufarm Shirquat 250	0.5 m or lower		10 metres		5 metres	
	1.0 m or lower		40 metres		30 metres	

[^] Nufarm CRUCIAL is the recommended glyphosate partner. Alternative glyphosate products are listed in the compatibility section.

DO NOT apply by an Optical Spot 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 optical spot sprayers') are observed

Buffer Zones for Optical Spot Sprayers

- calibrate to spray the equivalent of 100 L/ha

- ensure boom height above target canopy is 0.75 m or lower

Application Rate	Mandatory buffer zones				
	Bystander Areas	Natural Aquatic Areas	Pollinator Areas	Vegetation Areas	Livestock Areas
Maximum weed cover 30%					
40 g/100L + up to 1.8 L/100L Nufarm CRUCIAL [^] at 30 L/ha	Not required	Not required	Not required	25 metres	Not required

[^] Nufarm CRUCIAL is the recommended glyphosate partner. Alternative glyphosate products are listed in the compatibility section.

DIRECTIONS FOR USE

Section 1 – PRIOR TO SOWING

SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Prior to sowing the following winter or summer broadacre crops, pastures or starting a fallow and for fallow maintenance: Cereals; Pasture grasses; Pasture legumes; Pulses; Canola; Mustard (oilseed cultivars) (<i>Brassica juncea</i>); Cotton; as per the plantback table	Annual ryegrass (<i>Lolium rigidum</i>) including populations with weak levels of glyphosate resistance.	40 g/ha Terrad'or® + 0.6-1.8 L/ha Nufarm CRUCIAL® Herbicide [^] + 0.5 L/100L Nufarm CanDo™ Adjuvant* OR 40 g/ha Terrad'or® + 2.0-2.4 L/ha Nufarm Shirquat® 250 Herbicide + 0.5 L/100L Nufarm CanDo™ Adjuvant*	Tank mixes of Terrad'or® and Nufarm CRUCIAL® has been demonstrated to provide higher levels of final control to annual ryegrass plants with a weak level of glyphosate resistance; compared to applications of glyphosate standalone. In populations where a moderate or strong glyphosate resistance level exists; use alternate management strategies. Annual ryegrass plants that exhibit weak resistance have 70% or more stunting compared to untreated plants when treated with glyphosate alone. Tank mixes of Terrad'or® with Nufarm Shirquat can also be used in strategies to manage glyphosate resistant annual ryegrass. Tank mixes with either Nufarm CRUCIAL or Nufarm Shirquat can be used as either single applications, or as one part of a sequential spray with 7-14 days between herbicide treatments. These use patterns should be used as part of an integrated weed management program; including non-herbicide methods of weed control. Observe the plant-back periods listed in the GENERAL INSTRUCTIONS. Sow following crops with a seeder that will move treated soil away from crop row (e.g. knife point with press wheels). Use of seeding machinery, or planting under conditions where product or treated soil remains or moves back into the crop row may result in crop damage. This may be caused by factors such as inappropriate seeding machinery, narrow row spacings, fast travel speeds, soil type, wind, heavy rainfall or irrigation after planting, etc. This is particularly important for susceptible crops such as canola. Typically, use the minimum rate for smaller, younger weeds growing under good conditions. See GENERAL INSTRUCTIONS for further information. DO NOT apply post-sowing pre-emergent. Rainfast after 1 hour of daylight after application to seedling annual weeds when used with Nufarm CRUCIAL® or Nufarm Shirquat® (for other mixtures, refer to tank mix partner label for rainfastness information). [^] Nufarm CRUCIAL is the recommended glyphosate partner. Alternative glyphosate products are listed in the compatibility section. * Nufarm CanDo™ is the recommended adjuvant and should be used at 0.5 L/100 L under normal conditions. Increasing the rate to 1 L/100 L may improve performance under less than ideal conditions. Alternatively to Nufarm CanDo™, use an alternate adjuvant listed in the compatibility section at 1 L/100L unless otherwise specified.
Prior to sowing the following winter or summer broadacre crops, pastures, or starting a fallow and for fallow maintenance: Cereals; Pasture grasses; Pasture legumes; Pulses; Canola; Mustard (oilseed cultivars) (<i>Brassica juncea</i>); Cotton; as per the plantback table	Annual grass and broadleaf weeds are controlled as listed in Section 2 weed table . Terrad'or® will also increase speed of brownout of treated broadleaf and grass weeds, especially at the highest application rate.	20-40 g/ha Terrad'or® + 0.5 L/100L Nufarm CanDo™ Adjuvant* OR 15-40 g/ha Terrad'or® + 0.6-1.8 L/ha Nufarm CRUCIAL® Herbicide [^] + 0.5 L/100L Nufarm CanDo™ Adjuvant*	Observe the plant-back periods listed in the GENERAL INSTRUCTIONS. Sow following crops with a seeder that will move treated soil away from crop row (e.g. knife point with press wheels). Use of seeding machinery, or planting under conditions where product or treated soil remains or moves back into the crop row may result in crop damage. This may be caused by factors such as inappropriate seeding machinery, narrow row spacings, fast travel speeds, soil type, wind, heavy rainfall or irrigation after planting, etc. This is particularly important for susceptible crops such as canola. DO NOT apply post-sowing pre-emergent. Rainfast after 1 hour of daylight after application to seedling annual weeds when used with Nufarm CanDo™ or with Nufarm CRUCIAL® and Nufarm CanDo™ (for other mixtures, refer to tank mix partner label for rainfastness information). Refer to Section 2 for specific minimum application rates for each weed. Typically, use the minimum rate for smaller, younger weeds growing under good conditions. See GENERAL INSTRUCTIONS for further information. To broaden the weed spectrum Terrad'or® may be tank mixed with the recommended rate of another knockdown herbicide other than glyphosate (Nufarm Shirquat® 250, Spray.Seed®, Nufarm BIFFO®, Amitrole T, Nufarm DROPZONE®, Nufarm 2,4-D Ester 680, Nufarm Kamba® 750). [^] Nufarm CRUCIAL is the recommended glyphosate partner. Alternative glyphosate products are listed in the compatibility section. * Nufarm CanDo™ is the recommended adjuvant. Alternative adjuvants are listed in the compatibility section and should be used at 1 L/100L unless otherwise specified.

Section 2 – PRIOR TO SOWING WEED TABLE

WEED	TERRAD'OR® MINIMUM RATE (g/ha) WHEN USED WITH 0.5 L/100L CANDOTM	TANK MIX - TERRAD'OR® (g/ha) + CRUCIAL® (L/ha) MINIMUM RATES WHEN USED WITH 0.5 L/100L CANDOTM	COMMENTS
Afghan melon (<i>Citrullus lanatus</i>)	40 g/ha	40 g/ha + 0.9 L/ha	

WEED	TERRAD'OR® MINIMUM RATE (g/ha) WHEN USED WITH 0.5 L/100L CANDOTM	TANK MIX - TERRAD'OR® (g/ha) + CRUCIAL® (L/ha) MINIMUM RATES WHEN USED WITH 0.5 L/100L CANDOTM	COMMENTS
Annual ryegrass (<i>Lolium rigidum</i>)	-	40 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL® or Nufarm Shirquat® 250 (refer to Section 1). Nufarm CanDo™ should be used at 0.5 L/100 L under normal conditions. Increasing the rate to 1 L/100 L may improve performance under less than ideal conditions.
Barley grass (<i>Hordeum leporinum</i> .)	40 g/ha	15 g/ha + 0.6 L/ha	
Bamyard grass (<i>Echinochloa colona</i>)	-	40 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL®. Under Summer (hot) conditions, dense infestations may require follow-up treatment for complete control.
Bellvine (<i>Ipomoea plebeian</i>)	20 g/ha	20 g/ha + 1.1 L/ha	
Bladder ketmia (<i>Hibiscus trionum</i>)	20 g/ha	20 g/ha + 0.6 L/ha	
Brome grass (<i>Bromus spp.</i>)	-	15 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL®
Caltrop (<i>Tribulus terrestris</i>)	-	20 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL®
Capeweed (<i>Arctotheca calendula</i>)	40 g/ha	15 g/ha + 0.6 L/ha	
Clammy Goosefoot (<i>Chenopodium pumilio</i>)	-	20 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL®
Cow-vine (<i>Ipomoea lonchophylla</i>)	20 g/ha	15 g/ha + 0.6 L/ha	
Double gee (<i>Emex australis</i>)	-	15 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL®
Dwarf amaranthus (<i>Amaranthus macrocarpus</i>)	-	15 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL®
Fat hen (<i>Chenopodium album</i> .)	20 g/ha	15 g/ha + 0.6 L/ha	
Forage rape (<i>Brassica campestris spp</i>)	20 g/ha	15 g/ha + 0.6 L/ha	
Fumitory (<i>Fumaria densiflora</i>)	30 g/ha	15 g/ha + 0.75 L/ha	
Heliotrope (<i>Heliotropium europaeum</i>)	40 g/ha	15 g/ha + 0.6 L/ha	Terrad'or® used without Nufarm CRUCIAL® controls small weeds up to 15cm and suppresses large weeds (15-30 cm).
Marshmallow (<i>Malva parviflora</i>)	20 g/ha	15 g/ha + 0.6 L/ha	
Medic (<i>Medicago polymorpha</i>)	-	15 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL®
Native vigna (<i>Vigna lanceolata</i>)	20 g/ha	20 g/ha + 0.6 L/ha	
Phalaris (<i>Phalaris tuberosa</i>)	-	15 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL® for seedling plants.
Prickly lettuce (<i>Lactuca serriola</i>)	-	15 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL®
Redroot pigweed (<i>Amaranthus retroflexus</i>)	-	20 g/ha + 1.8 L/ha	Only controlled when used with Nufarm CRUCIAL®
Saffron Thistle (<i>Carthamus lanatus</i>)	-	15 g/ha + 0.9 L/ha	Only controlled when used with Nufarm CRUCIAL®
Silvergrass (<i>Vulpia bromoides</i>)	-	30 g/ha + 0.9 L/ha	Only controlled when used with Nufarm CRUCIAL®
Sorrel (<i>Rumex acetose</i>)	40 g/ha	15 g/ha + 0.6 L/ha	Terrad'or® will provide suppression at the 40 g/ha rate without Nufarm CRUCIAL®, but will provide control with Nufarm CRUCIAL® at a minimum 15 g/ha rate.
Sowthistle (<i>Sonchus oleraceus</i>)	20 g/ha	20 g/ha + 0.6 L/ha	
Stork's-bill (<i>Erodium botrys</i>)	-	15 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL®
Sub clover (<i>Trifolium subterraneum</i>)	20 g/ha	15 g/ha + 0.6 L/ha	
Volunteer barley (<i>Hordeum vulgare</i>)	-	20 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL®
Volunteer canola (<i>Brassica nupus</i>)	20 g/ha	15 g/ha + 0.6 L/ha	
Volunteer cotton (<i>Gossypium spp.</i>)	40 g/ha	40 g/ha + 0.6 L/ha	
Volunteer faba beans (<i>Vicia faba</i>)	20 g/ha	15 g/ha + 1.8 L/ha	
Volunteer field peas (<i>Pisum sativum arvense</i>)	-	20 g/ha + 1.1 L/ha	Only controlled when used with Nufarm CRUCIAL®
Volunteer lentils (<i>Lens culinaris</i>)	20 g/ha	20 g/ha + 0.6 L/ha	
Volunteer lupins (<i>Lupinus angustifolius</i>)	30 g/ha	20 g/ha + 0.6 L/ha	
Volunteer narrow leaf lupins (<i>Lupinus angustifolius</i>)	30 g/ha	20 g/ha + 0.6 L/ha	

WEED	TERRAD'OR® MINIMUM RATE (g/ha) WHEN USED WITH 0.5 L/100L CANDOTM	TANK MIX - TERRAD'OR® (g/ha) + CRUCIAL® (L/ha) MINIMUM RATES WHEN USED WITH 0.5 L/100L CANDOTM	COMMENTS
Volunteer mung beans (<i>Vigna radiata</i>)	-	15 g/ha + 1.8 L/ha	Only controlled when used with Nufarm CRUCIAL®
Volunteer oats (<i>Avena sativa</i>)	30 g/ha	15 g/ha + 0.6 L/ha	
Volunteer vetch (<i>Vicia sativa</i> .)	-	15 g/ha + 1.1 L/ha	Only controlled when used with Nufarm CRUCIAL®
Volunteer wheat (<i>Triticum aestivum</i>)	20 g/ha	20 g/ha + 0.6 L/ha	
Wild oats (<i>Avena spp.</i>)	-	20 g/ha + 0.6 L/ha	Only controlled when used with Nufarm CRUCIAL®
Wild radish (<i>Raphanus raphanistrum</i>)	20 g/ha	15 g/ha + 0.6 L/ha	
Wild turnip (<i>Rapistrum rugosum</i>)	30 g/ha	15 g/ha + 0.6 L/ha	
Wintergrass (<i>Poa annua</i>)	-	20 g/ha + 0.75 L/ha	Only controlled when used with Nufarm CRUCIAL®

Section 3. FLEABANE & SOWTHISTLE (LARGER PLANTS) CONTROL FOR FALLOW AND PRE-SOWING – SEQUENTIAL APPLICATION

SITUATION & CROP	WEEDS CONTROLLED	WEED STAGE	RATE	CRITICAL COMMENTS
Prior to sowing the following winter or summer broadacre crops, pastures or starting a fallow and for fallow maintenance: Cereals; Pasture grasses; Pasture legumes; Pulses; Canola; Mustard (oilseed cultivars) (<i>Brassica juncea</i>); Cotton; as per the plantback table	Flaxleaf fleabane (<i>Conyza bonariensis</i>) Sowthistle (<i>Sonchus oleraceus</i>)	Stem elongation to flowering stage	First spray application: 1.1-1.8 L/ha Nufarm CRUCIAL® Herbicide [^] + 0.91-1.54 L/ha Nufarm DROPZONE® Herbicide	Apply at stem elongation to flowering stage of weeds. For adequate coverage use a minimum application water volume of 80 L/ha. Refer to Nufarm CRUCIAL® and Nufarm DROPZONE® labels for further information. A sequential application of Terrad'or® (refer below) is recommended for situations where incomplete control is achieved with the first application, or where there are spray misses/shadowing, failures due to resistance, or under periods of temperature and/or moisture stress. For sowthistle, on smaller weed sizes (rosette stage prior to stem elongation) a single spray application of Terrad'or® can be used (refer to Sections 1 and 2). [^] Nufarm CRUCIAL is the recommended glyphosate partner. Alternative glyphosate products are listed in the compatibility section.
			Sequential spray application: 40 g/ha Terrad'or® + 0.5 L/100L Nufarm CanDo™ Adjuvant* OR 40 g/ha Terrad'or® + 2.0-2.4 L/ha Nufarm Shirquat® 250 Herbicide + 0.5-1.0 L/100L Nufarm CanDo™ Adjuvant*	Apply the sequential application (follow up spray) 7-14 days after the first application. For adequate coverage use a minimum application water volume of 80 L/ha. A tank mix of Terrad'or® and Nufarm Shirquat® may improve speed of brownout and final control. Observe the plant-back periods listed in the GENERAL INSTRUCTIONS. Sow following crops with a seeder that will move treated soil away from crop row (e.g. knife point with press wheels). Use of seeding machinery, or planting under conditions where product or treated soil remains or moves back into the crop row may result in crop damage. This may be caused by factors such as inappropriate seeding machinery, narrow row spacings, fast travel speeds, soil type, wind, heavy rainfall or irrigation after planting, etc. This is particularly important for susceptible crops such as canola. DO NOT apply post-sowing pre-emergent. Rainfast after 1 hour of daylight after application to seedling annual weeds when Terrad'or® is used with Nufarm CanDo™ Adjuvant* and Nufarm CRUCIAL® or Nufarm Shirquat®. As an alternative to Nufarm Shirquat®, to broaden the weed spectrum Terrad'or® may be tank mixed with the recommended rate of another knockdown herbicide (Spray.Seed*, Nufarm BIFFO® or Amitrole T). * Nufarm CanDo™ is the recommended adjuvant. Alternative adjuvants are listed in the compatibility section and should be used at 1 L/100L unless otherwise specified.

Section 4. OPTICAL SPOT SPRAY TECHNOLOGIES

Note: Calibrate the sprayer to spray the equivalent of 100 L/ha

For weed cover between 0 and 30 %. If percentage weed cover exceeds 30 % use approved boom spray rates according to **Section 1**.

SITUATION	WEEDS	RATE	CRITICAL COMMENTS
Prior to sowing the following winter or summer broadacre crops, pastures, or starting a fallow and for fallow maintenance: Cereals; Pasture grasses; Pasture legumes; Pulses; Canola; Mustard (oilseed cultivars) (<i>Brassica juncea</i>); Cotton; as per the plantback table	Annual grass and broadleaf weeds as listed in Section 2 weed table .	40 g/100L Terrad'or® + 1.8 L/100L Nufarm CRUCIAL® [^] Herbicide + 0.5 L/100L Nufarm CanDo™ Adjuvant*	Observe the plant-back periods listed in the GENERAL INSTRUCTIONS. Sow following crops with a seeder that will move treated soil away from crop row (e.g. knife point with press wheels). Use of seeding machinery, or planting under conditions where product or treated soil remains or moves back into the crop row may result in crop damage. This may be caused by factors such as inappropriate seeding machinery, narrow row spacings, fast travel speeds, soil type, wind, heavy rainfall or irrigation after planting, etc. This is particularly important for susceptible crops such as canola. DO NOT apply post-sowing pre-emergent. Rainfast in tank mixes with Nufarm CanDo™ and Nufarm CRUCIAL after 1 hour of daylight after application to seedling annual weeds [^] Nufarm CRUCIAL is the recommended glyphosate partner. Alternative glyphosate products are listed in the compatibility section. * Nufarm CanDo™ is the recommended adjuvant. Alternative adjuvants are listed in the compatibility section and should be used at 1 L/100L unless otherwise specified.

Section 5. NON-CROP AREAS

CROP/SITUATION	WEEDS	RATE	CRITICAL COMMENTS
Commercial, industrial and public service areas, around agricultural buildings, yards	Annual grass and broadleaf weeds as listed in Section 2 weed table .	40 g/ha + 1.8 L/ha Nufarm CRUCIAL® Herbicide [^] + 0.5 L/100L Nufarm CanDo™ Adjuvant* OR Refer to GENERAL INSTRUCTIONS for spot spraying or high-volume spraying application rates in tank mixes with Nufarm CRUCIAL.	Rainfast in tank mixes with Nufarm CRUCIAL after 1 hour of daylight after application to seedling annual weeds. [^] Nufarm CRUCIAL is the recommended glyphosate partner. Alternative glyphosate products are listed in the compatibility section. * Nufarm CanDo™ is the recommended adjuvant. Alternative adjuvants are listed in the compatibility section and should be used at 1 L/100L unless otherwise specified.

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

GENERAL INSTRUCTIONS

Terrad'or® Herbicide (Terrad'or®) is a fast acting, non-selective contact herbicide with rapid foliar uptake. Subsequent germinations will not be controlled.

For rate and/or tank mix selection, the following factors should be considered to ensure control:

- weed
 - growth stage (e.g. leaf stage, stem elongation, etc.)
 - width
 - height
 - age
 - tap root (some weeds that appear small may in fact be older and have an established or large tap root)
- density
- level of herbicide resistance
- environmental conditions (e.g. moisture or heat stress, etc.)
- spray coverage (e.g. stubble load, water rate, etc.)

Application should ideally target younger and smaller actively growing weeds where the lower rates can be used. When the factors above are not ideal, use higher rates and/or a tank mix with a systemic herbicide (such as CRUCIAL). For specific rate recommendations, refer to the directions for use tables.

Mixing

Terrad'or® is a water dispersible granule formulation. To ensure even mixing, half-fill the spray tank with clean water before adding Terrad'or®. Keep the agitation system engaged. Mix thoroughly until fully dispersed. If using, add the glyphosate product and remaining water. Mix thoroughly. Add Nufarm CanDo™ Adjuvant* near the end of the filling process to minimize foaming. Always maintain adequate agitation during application and use the tank mix promptly.

Application

Prior to sowing

Apply in a minimum of 80 L/ha volume.

Commercial, industrial and public service areas, around agricultural buildings and yards

Apply by ground spraying equipment only. Aim to apply a thorough and even coverage of spray to the target plant. Dense stands of weeds should be thoroughly wetted with spray. Incomplete coverage may result in poor control. Equipment should be such that adequate coverage, penetration and volume of spray liquid can be achieved.

Boom, Directed or Shielded Sprayer Equipment

Terrad'or® should be applied in sufficient water to give thorough coverage of weeds (minimum 200 L/ha volume). Special care must be taken when using sprayer/slasher combination units not to cause dust and turbulence, which can carry spray into non-target areas.

Knapsack and Handgun Equipment

Terrad'or® should be applied in adequate water to thoroughly wet the weeds being sprayed, i.e. 500 to 1000 L/ha. Dense stands will require up to 1000 L/ha of spray mixture, whereas less dense stands will require less water. High volume application using hollow-cone nozzles for hand spraying is recommended. Refer to the dilution rates below.

Spot spraying	High volume (500 L/ha water volume)	High volume (1000 L/ha water volume)
Per 15 litres of water: 1 g Terrad'or® + 90 mL Nufarm CRUCIAL® ^ + 75 mL Nufarm CanDo™ Adjuvant*	Per 100 litres of water: 8 g Terrad'or® + 600 mL Nufarm CRUCIAL® ^ + 0.5 L Nufarm CanDo™ Adjuvant*	Per 100 litres of water: 4 g Terrad'or® + 600 mL Nufarm CRUCIAL® ^ + 0.5 L Nufarm CanDo™ Adjuvant*

^ Nufarm CRUCIAL is the recommended glyphosate partner. Alternative glyphosate products are listed in the compatibility section.

* Nufarm CanDo™ is the recommended adjuvant. Alternative adjuvants are listed in the compatibility section and should be used at 1 L/100L (or 15 mL/15L) unless otherwise specified.

Equipment maintenance and usage

A 50 mesh primary filter and 80 mesh secondary filter(s) are recommended. The use of in-line nozzle filters is not recommended.

Sprayer clean-up

Terrad'or® is active at low rates therefore thorough decontamination of spray equipment is critical to ensure no residues remain that could impact a subsequently treated crop. Following use, thoroughly clean spray equipment using Nufarm Tank & Equipment Cleaner according to the label directions.

Crop plant back & rotation recommendations

1 hour	1 week	2 weeks	4 weeks	6 weeks
Wheat Barley Oats Lupin Chickpea Field pea Corn Sorghum Faba bean Lentil Vetch	Canola (15 – 20 g/ha rates only) Mustard (oilseed cultivars) (<i>Brassica juncea</i>) (15 – 20 g/ha rates only) Pastures: Annual ryegrass Hybrid ryegrass Italian ryegrass Perennial ryegrass Annual medics Lucerne Subterranean clover	Canola (21 – 40 g/ha rates only) Mustard (oilseed cultivars) (<i>Brassica juncea</i>); (21 – 40 g/ha rates only)	Mung bean	Cotton