

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

Agro-Essence

Tralkoxydim 400 Herbicide

ACTIVE CONSTITUENT: 400 g/kg TRALKOXYDIM

GROUP	A	HERBICIDE
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**For the Control of Wild Oats and Annual Ryegrass and Suppression
of Annual Phalaris in Wheat, Barley, Rye and Triticale**

READ THIS LEAFLET BEFORE USING THIS PRODUCT

APVMA Approval No.: 68277/57923

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DIRECTIONS FOR USE**RESTRAINTS:**

DO NOT apply to weeds or crops under stress due to severe frost, drought, water logging, low soil fertility, pre-emergent herbicides, insects or diseases.

DO NOT use boomless jets or misters.

DO NOT apply if rain is expected within a half-hour.

Crop	Weeds Controlled	Weed Stage	State	Rate/ha	Critical Comments
Wheat, Barley, Rye, Triticale	Wild Oats	Growing actively at 2-4 leaf (pre-tillering)	Qld, NSW, Vic, Tas., SA only	300g *	Apply in first 4-6 weeks to unstressed crops and weeds when the majority of crop plants have 2 leaves. Application to lush crops may increase likelihood of yellowing and/or growth retardation.
				380g *	Apply in the first 4-6 weeks to unstressed crops and weeds when the majority of crop plants have 3 leaves. This is the minimum rate if tank mixing with listed broadleaf herbicides.
				430g *	Apply in first 4-6 weeks when the majority of crop plants have 3 leaves. Use this rate under dry soil conditions or if applying during August onwards. Use of A mineral oil based adjuvant at 1L per 100L may improve weed control under these conditions.
		500g *		Use where application is delayed. Do not apply to pre-tillered crops. Use of A mineral oil based adjuvant at 1L per 100L may improve weed control if soil is dry or if applying during August onwards.	
Wild oats and Annual ryegrass in mixed infestations	Wild oats	Growing actively at 2-4 leaf (pre-tillering)	NSW, Vic, Tas, SA only	380g *	Use when wild oats predominate. Do not apply to crops with less than 3 leaves. Use of A mineral oil based adjuvant at 1L per 100L may improve weed control if soil is dry or if applying during August onwards.
		Growing actively up to early tillering (Maximum of 2 tillers)		500g *	Do not apply to pre-tillered crops. Use of A mineral oil based adjuvant at 1L per 100L may improve weed control if soil is dry or if applying during August onwards.

Crop	Weeds Controlled	Weed Stage	State	Rate/ha	Critical Comments
		Growing actively at 2-4 leaf (pre-tillering)		380 - 500g *	Do not apply to tillered ryegrass. Use spray volumes of 70-100 L/ha may assist control. Tank mixes of the lower rate with listed broadleaved herbicides may reduce ryegrass control.
Wheat, Barley, Rye, Triticale	Annual Phalaris (suppression only of Paradoxa grass, Lesser canary grass)	Growing actively at 2-4 leaf (pre-tillering)	NSW, Vic, Tas, SA only	380 - 500g *	Preferably apply within 6 weeks of sowing when weeds are at the 3 to 4 leaf stage and growing actively. Do not apply to tillered annual phalaris. The higher rate may give more reliable results. Use of spray volumes of 70- 100 L/ha may assist control. Tank mixes with listed broadleaved herbicides may reduce annual phalaris control. Paradoxa grass is more sensitive than lesser canary grass. Do not apply to crops with less than 3 leaves.
Wheat, Barley (except Moondyne Yagan), Rye, Triticale	Wild oats	Growing actively at 2-4 leaf (pre-tillering)	WA only	250g *	Apply in first 4-6 weeks to unstressed crops and weeds when the majority of crop plants are at growth stage Z12. Application to lush crops may increase likelihood of yellowing and/or growth retardation.
		Growing actively up to early tillering (Maximum of 2 tillers)		380g *	Use where application is delayed and the majority of crop plants are at growth stage Z13. This is the preferred rate for dense wild oat populations. Use this rate if tank mixing with listed broadleaf herbicides.
	Wild oats and Annual ryegrass in mixed infestations	Growing actively up to early tillering (Maximum of 2 tillers)		380g *	Use when wild oats predominate. Apply when the majority of crop plants are at growth stage Z13.
		Growing actively at 2-4 leaf (pre-tillering)			Do not apply to tillered ryegrass. Use of higher spray volumes may assist control. Tank mixes with listed broadleaved herbicides may reduce ryegrass control.

*** ALWAYS ADD A MINERAL OIL BASED ADJUVANT. THE NORMAL RATE IS 750 mL PER 100L SPRAY SOLUTION. INCREASE THE RATE TO 1L PER 100L UNDER DRYING CONDITIONS. ALWAYS USE 1L PER 100L FOR AERIAL APPLICATION.**

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

WITHHOLDING PERIOD:

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION.

GENERAL INSTRUCTIONS

RESISTANT WEEDS WARNING

GROUP	A	HERBICIDE
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Agro-Essence Tralkoxydim 400 Herbicide is a member of the cyclohexanediones group of herbicides. Agro-Essence Tralkoxydim has the inhibitors of acetyl CoA carboxylase mode of action. For weed resistance management Agro-Essence Tralkoxydim is a Group A herbicide. Some naturally occurring weed biotypes resistant to Agro-Essence Tralkoxydim and other Group A 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 Agro-Essence Tralkoxydim or other Group A herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Agro-Alliance (Australia) Pty Ltd accepts no liability for any losses that may result from the failure of Agro-Essence Tralkoxydim to control resistant weeds.

Mixing

Only use sprayers in good working condition with high capacity agitation. Ensure the sprayer is cleaned according to the label instructions on the product used prior to Agro-Essence Tralkoxydim. Use only clean water for the spray solution. Ensure that all in-line strainer and nozzle screens in the sprayer are 100 mesh or coarser. Do NOT use cartridge or disc filters after the spray tank outlet, or have two (or more) filters directly after each other anywhere in the system.

Begin to fill spray tank with clean water, and engage agitator. Agitation must be continued throughout the entire mixing and spraying procedure.

When the sprayer is half full of water, add Agro-Essence Tralkoxydim slowly to the spray tank through the tank opening or through a hopper designed to handle granules. The hopper should be dry before adding Agro-Essence Tralkoxydim granules.

- Do not premix Agro-Essence Tralkoxydim.
- Add the total required amount of Agro-Essence Tralkoxydim from all cartons first, prior to adding other herbicides or A mineral oil based adjuvant.
- Wait at least one minute after the last of the Agro-Essence Tralkoxydim has been added to the tank to allow for complete dispersion of the granules.
- Add the recommended broadleaf weed herbicide or insecticide next if tank mixing.
- Slowly add A mineral oil based adjuvant to the tank last; in at least 10 times its volume of water especially where a suction (filling) probe or hopper is used.
- Continue to fill tank to desired level with water.

Spraying instructions

Ground equipment

Apply in a spray volume of 50-150 litres of water per hectare at a pressure of 250 - 350 kPa to ensure proper dispersion and spraying characteristics of the Agro-Essence Tralkoxydim spray mix. Use flat fan nozzles such as Spraying Systems 110-01, 110-015, 110-02 or equivalent sizes from other manufacturers.

Do not use 110-03 or bigger nozzles with Agro-Essence Tralkoxydim. Do not use floodjet nozzles, boomless jets or misters or controlled droplet application equipment. Nozzles may be angled forward 45° to enhance penetration of the crop and provide better coverage. Always ensure that agitation is continued until spraying is completed even if stopped for brief periods of time. If the agitation is stopped for more than 5 minutes re-suspend the spray solution by running on full agitation until the settled particles are fully re-suspended, prior to spraying. The spray mixtures of Agro-Essence Tralkoxydim and A mineral oil based adjuvant may be left overnight without loss of efficacy provided the settled product is completely re-suspended by stirring and/or agitation prior to re-use.

Aerial equipment

Apply through boom or Micronair units in 20-30 litres of water per hectare. The use of the higher volume is preferred due to more reliable results. Droplet size should be 200-250 microns (VMD) and swath width should not be wider than recommended for type of plane and application unit. Weed control following aerial application may not be as good as from ground application.

Crop Safety

If Agro-Essence Tralkoxydim is applied to stressed crops or treatment is followed by stress or if crop plants have less than 2 true leaves (Z12), yellowing or growth retardation may occur. Crops normally recover without loss in yield. Avoid double spraying (overlap).

PLANTBACK PERIODS: Do not plant sorghum, maize or rice for a period of four weeks after application of Agro-Essence Tralkoxydim. Allow at least 10 days between application of Agro-Essence Tralkoxydim and any other herbicide, except Ally for which the interval should be 14 days after Agro-Essence Tralkoxydim. Allow at least 10 days between application of Agro-Essence Tralkoxydim and any fertilizer treatment.

COMPATIBILITY

For broadleaved weed control, Agro-Essence Tralkoxydim may be mixed as below.

State	Agro-Essence Tralkoxydim g/ha	Co-herbicide maximum	Rate per ha
Qld, NSW, Vic, SA only	380-500g	bromoxynil + MCPA (200 + 200g/L)	1.0-1.4 L
	380-500g	MCPA ester	0.5/1.0 L
	380-500g	diflufenican plus MCPA (25 + 250) (mixture may cause temporary chlorosis)	0.8 L
	380-500g	clopyralid (300g/L)	0.3 L
	380-500g	metosulam (714g/kg)	7 g
WA only	380g	bromoxynil + MCPA (200 + 200g/L)	1.0 L
	380g	MCPA ester * Note restriction on Kulin.	0.5 L *
	380g	diflufenican plus MCPA (25 + 250) (mixture may cause temporary chlorosis)	0.8 L
	380g	clopyralid (300g/L)	0.3 L
	380g	metosulam (714g/kg)	7 g

DO NOT mix Agro-Essence Tralkoxydim with 2,4-D, MCPA amine, dicamba or metsulfuron-methyl. Allow at least 10 days between application of Agro-Essence Tralkoxydim and herbicides containing 2,4-D, MCPA amine, dicamba or similar actives.

Allow at least 14 days between application of Agro-Essence Tralkoxydim and metsulfuron-methyl. Agro-Essence Tralkoxydim should be applied prior to the broadleaved herbicides.

Insecticides

Agro-Essence Tralkoxydim is compatible with the emulsifiable formulations of the insecticides: permethrin, cypermethrin, phosmet, lambda-cyhalothrin and dimethoate.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Moderately hazardous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used container.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated locked room or place and away from children, animals, food, feedstuffs, seed and fertilizers. Do not store for prolonged periods in direct sunlight. Single rinse before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Puncture and bury empty bags in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty bags and product should not be burnt.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes. If the product in eyes, wash it out immediately with water. When preparing the spray wear face shield or goggles. Wash hands after use. After each day's use wash face shield or goggles.

FIRST AID

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

MSDS

Additional information is listed in the Material Safety Data Sheet, which is available from the supplier.

CONDITIONS OF SALE

The use of Agro-Essence Tralkoxydim 400 Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Agro-Alliance (Australia) Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Agro-Alliance (Australia) Pty Ltd accepts with no responsibility for any consequences whatsoever resulting from the use of this product.