

POISON

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

Rainbow Diclofop-Methyl 500 EC Selective Herbicide

ACTIVE CONSTITUENT: 500g/L DICLOFOP-METHYL
SOLVENTS: 394g/L HYDROCARBON LIQUID
80 g/L N-METHYL PYRROLIDONE

GROUP	A	HERBICIDE
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For the Post-emergent Control of Annual Ryegrass and Wild Oats in Wheat, Barley, Triticale and Cereal Rye as listed in the Directions for Use table.

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CONTENTS	APVMA Approval Number
[] 10L	
[] 20L	
[] 110L	65754/51797
[] 200L	
[] 1000L	



IN A TRANSPORT EMERGENCY DIAL 000 POLICE OR FIRE BRIGADE
CORONA INDUSTRIES PTY.LTD EMERGENCY CONTACT 0403 017 534 AUSTRALIA WIDE, 24 HOURS

Batch No.: D.O.M.:

DIRECTIONS FOR USE

Restrains: Do NOT apply if rainfall is expected within 2 hours.

Do NOT spray when temperatures are higher than 25°C.

Do NOT apply to weeds or crop under stress due to, for e.g., very dry, very wet, nutrient deficient, frost or diseased conditions.

CROP	WEED	WEED STAGE	RATE L/ha	CRITICAL COMMENTS
Wheat, barley, triticale, cereal rye	Annual (Wimmera) ryegrass	2 to 4 leaf (Z12 to Z14)	0.75	Apply generally 3 to 6 weeks after sowing, when cereals usually 2 to 5 leaves (Z12 to Z21). For barley , apply only when crop is 4 to 5 leaf stage. For all crops add wetting agent at 0.25% active ingredient to water in spray tank - eg. 250ml non-ionic surfactant 1000g/L 1000*/100L water. This is irrespective of volume of water/ha or rate of Rainbow Diclofop-Methyl 500 EC Selective Herbicide.
		Wild Oats	2 to 3 leaf (Z12 to Z13)	1.1
	3 to 4 leaf (Z13 to Z14)	1.5 (not barley)		

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

WITHHOLDING PERIOD

Harvest (All crops) – WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED

Grazing (All crops) - DO NOT GRAZE OR CUT FOR STOCKFEED FOR 7 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

Results are best under good growing conditions, when the crops and weeds are actively growing. Application to weeds or crop under stress (eg. due to continuous severe frosts, dry, waterlogged, nutrient deficient or diseased conditions) should be avoided.

Wild oats germinating after application will often be stunted and will not seriously compete with the crop. Application to crops with a covering of frost or dew has been successful but should be avoided in general. If spraying cannot be completed, spray mixtures of Rainbow Diclofop-Methyl 500 EC Selective Herbicide in clean water may be left overnight without loss of efficacy. The mixture should be well agitated before spraying re-commences. It is not recommended that this be general practice.

RESISTANT WEEDS WARNING

GROUP	A	HERBICIDE
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Rainbow Diclofop-Methyl 500 EC Selective Herbicide is a member of the aryloxyphenoxypropionate group of herbicides. Rainbow Diclofop-Methyl 500 EC Selective Herbicide is an inhibitor of acetyl coA carboxylase. For weed resistance management Rainbow Diclofop-Methyl 500 EC Selective Herbicide is a Group A herbicide. Some naturally-occurring weed biotypes resistant to Rainbow Diclofop-Methyl 500 EC Selective Herbicide, 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 Rainbow Diclofop-Methyl 500 EC Selective Herbicide or other Group A Herbicides. Paddocks sprayed with Rainbow Diclofop-Methyl 500 EC Selective Herbicide should be closely monitored if the paddock has a previous history of Diclofop-methyl usage. If resistance is suspected, contact Shandong Rainbow International Co., Ltd or local Department of Agriculture. To avoid further resistance problems, do not use Rainbow Diclofop-Methyl 500 EC Selective Herbicide or other Group A herbicides. Further advice on resistance management strategies is available from your local Department of Agriculture or Shandong Rainbow International Co., Ltd representative. Resistance should not be confused with poor application techniques, conditions or timing. Since occurrence of resistant weeds is difficult to detect prior to use, Shandong Rainbow International Co., Ltd accepts no liability for any losses that may result from the failure of Rainbow Diclofop-Methyl 500 EC Selective Herbicide to control resistant weeds.

EXPORT OF TREATED PRODUCE

Growers should note that suitable MRL's or import tolerances may not be established in all markets treated with Rainbow Diclofop-Methyl 500 EC Selective Herbicide. If you are growing produce for export, please check with Shandong Rainbow International Co., Ltd for the latest information on MRL's and import tolerances BEFORE using Rainbow Diclofop-Methyl 500 EC Selective Herbicide.

APPLICATION

Aim to apply Rainbow Diclofop-Methyl 500 EC Selective Herbicide to base (growing point) of weeds. Equipment must be set up to ensure penetration of the crop canopy.

MIXING

Add the required quantity of Rainbow Diclofop-Methyl 500 EC Selective Herbicide directly to the spray tank when about two-thirds full. Top up with water to required volume, with agitators in motion. Add wetting agents just before tank is full of water to avoid excessive frothing.

EQUIPMENT

Ground Sprayers - Standard boom sprays only are recommended and must be fitted with by-pass or mechanical agitation. It is recommended to use approximately 50 to 150 L water/ha and a droplet size of 200 to 300 microns. Do not apply with boomless jets or misters. Application should be made using an enclosed cabin where possible.

Aircraft - Best results have been obtained using 20 to 30 L water/ha with a steady cross wind and a swath width of 15 to 18 metres. Aim for a droplet size of 200 to 300 microns. Do not exaggerate swath width. Aircraft operators should consult manufacturer for details. Flaggers should be protected by enclosed cabins where possible.

COMPATIBILITY

1. Mixtures of Rainbow Diclofop-Methyl 500 EC Selective Herbicide with broadleaf herbicides may lead to a reduction in grass weed control and/or varying degrees of crop discolouration /damage. These effects can be minimised by closely following all use recommendations and restrictions.

The following table summarises current knowledge on compatibility in wheat, barley, triticale and cereal rye crops:

PRODUCT	Ryegrass	Wild Oats
Tigrex ¹ , Nugrex ¹ (up to 0.8L/ha)	Yellow	Yellow
Jaguar ¹ (up to 0.75L/ha)	Green	Yellow
714g/Kg Metosulam (up to 7 g/ha)	Green	Yellow
800g/Kg Flumetsulam (up to 25 g/ha)	Green	Red
MCPA LVE 500g/L (up to 700mL/ha)	Yellow	Yellow
Buctril ¹	Green	Green
Buctril ¹ MA (up to 1.4L/ha)	Yellow	Yellow
Accolade TM (up to 15 g/ha)	Yellow	Yellow
Clopyralid 300g/L Selective Herbicide (up to 150mL/ha)	Green	Green
Metsulfuron-Methyl 600 WG Herbicide	Red	Red
Wildcat ¹	Green	Green

GREEN

Trials indicate no reduction in grass weed control when used as recommended. There may be minor crop discolouration in some cases. These mixtures can be used with minimal loss of activity under good growing conditions with all label recommendations followed.

YELLOW

Trials indicate some reduction in grass weed control and/or minor crop discolouration at recommended rates, even under good growing conditions. These mixtures will usually result in reduced grass weed control and cannot be recommended unless such efficacy loss and possible crop discolouration is accepted.

RED

Trials at recommended rates indicate a severe reduction in grass weed control and/or significant crop injury. These mixtures cannot be recommended.

2. When mixing with broadleaf herbicides add a non-ionic surfactant 1000g/L at the rate of 250 mL per 100L of spray solution. Reductions in grass weed control (as indicated above) can be minimised by using a minimum of 80 L of water per ha by ground and 30 L by air, and if wild oats are present, use 1.5 L Rainbow Diclofop-Methyl 500 EC Selective Herbicide /ha (except barley). Do not use Buctril MA¹ at rates above 1.4 L/ha when mixing with Rainbow Diclofop-Methyl 500 EC Selective Herbicide.
3. Allow at least 10 days between any application of Rainbow Diclofop-Methyl 500 EC Selective Herbicide and other herbicides containing 2, 4-D, MCPA, dicamba or other similar sprays, which should preferably follow Rainbow Diclofop-Methyl 500 EC Selective Herbicide.
4. Where phalaris is present, Rainbow Diclofop-Methyl 500 EC Selective Herbicide and Wildcat¹ may be applied together at the respective recommended rates. A non-ionic surfactant 1000g/L should be added to this mixture at the rate recommended on the Rainbow Diclofop-Methyl 500 EC Selective Herbicide label.
5. Rainbow Diclofop-Methyl 500 EC Selective Herbicide may also be mixed with the following insecticides without a significant loss of activity: Dimethoate, omethoate and phosmet.

PRECAUTIONS

Re-entry

Do not allow entry into treated areas until spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and a washable hat and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers, or waterways with the chemical or used containers.

PROTECTION OF CROP, 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, adjacent crops (eg. maize, sorghum, rice), crop lands or pasture. DO NOT plant susceptible crops (eg. maize, sorghum, rice) for 10 weeks after application.

UNDERSOWN CLOVERS AND MEDICS

Rainbow Diclofop-Methyl 500 EC Selective Herbicide does not affect undersown clovers or medics or other broadleaf crops, and has no activity against broadleaf weeds.

STORAGE AND DISPOSAL

(10 and 20L only)

Store in the closed, original container in a dry, cool, well ventilated area out of direct sunlight. Triple or preferably pressure 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Refillable Containers

(1000L only)

Store in the closed, original container in a cool, well – ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

Envirodrum Mini Bulk Container

(110 and 200L only)

Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty container by pumping through the dry-break connection system. Do not attempt to unscrew the valve or breach the locked filling point. Do not contaminate the container with water or other foreign material. Ensure that the coupler, pump, meter and hoses are disconnected, triple rinsed with clean water and drained after each use. When empty, or contents are no longer required return the container to the point of purchase. This container remains the property of Shandong Rainbow International Co., Ltd.

SAFETY DIRECTIONS

Will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale vapour. If product is in eyes, wash out immediately with water. When opening the container, preparing spray and using prepared spray, wear cotton overalls buttoned to the neck and wrist, and washable hat, elbow-length PVC gloves and goggles. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre Australia (Tel: 13 11 26). If swallowed, do NOT induce vomiting. Give a glass of water.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet (MSDS) which is available from the supplier.

CONDITIONS OF SALE

"Shandong Rainbow International Co., Ltd ('Rainbow') shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply, use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Rainbow's skill or judgments in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Rainbow has any authority to add to or alter these conditions."

¹*Not a Trade Mark of Shandong Rainbow International Co., Ltd.*

