



Rustler®

900 WG HERBICIDE



Technical Information

Active Constituent:
900 g/kg PROPYZAMIDE

Pack Sizes:
250 g – 25 kg



CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

For selective control of certain grasses and broad leaf weeds in Canola, Winter Grain Legumes, Legume Seed Crops and Pastures, Oilseed Poppies, Lettuce and Turf and as per the Directions For Use Table

SAFETY DIRECTIONS

Harmful if inhaled. Will irritate the eyes. Avoid contact with eyes and skin. **DO NOT** inhale dust. When opening the container and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves, face shield or goggles and disposable dust face mask covering mouth and nose. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

FIRST AID

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

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet that can be obtained from www.fmccrop.com.au

GENERAL INSTRUCTIONS

SPRAY PREPARATION

Rustler 900 WG is a Water Dispersible Granule formulation to be blended with water and applied as a spray. Granule formulations are designed to be added to large volumes of water and dispersed slowly under agitation. When using larger boomsprays and unable to add granules directly to a large volume in the tank via the top of the boomspray, pre-mixing may be necessary as follows:

- Partly (30%) fill the boomspray tank with water.
- Slowly add required amount of Rustler 900 WG for the area to be sprayed into a pre-mixing vessel while agitating well.
- Ensure high water volumes and **DO NOT** add to the spray tank until the pre-mix is fully dissolved. This may take several mixes to ensure the correct amount is added to the boomspray tank.

- Add the pre-mixed Rustler 900 WG into the boomspray tank with the agitation system operating.
- Fill up to the correct volume with water.
- The mixture must be kept in suspension at all times by continuous agitation.
- Tank-mixtures should be tested for physical compatibility and efficacy before use.

DO NOT mix with MCPA. If tank mixing, Rustler 900 WG must be in suspension before adding other herbicides, insecticides or surfactants. Wash sprayer thoroughly after use.

APPLICATION

Ensure complete and uniform spray coverage on soil. Spray coverage may be compromised where application is made to a ridged or excessively cloddy soil surface or where cover of crop or weed residues restrict contact with the soil surface. Reduced effectiveness may occur where there is either reduced contact of the herbicide with the soil surface.

High stubble loadings or ash from a recently burnt paddock can lead to poor soil contact. Results may be unsatisfactory if ground cover from stubble exceeds 50%.

Standing stubble will cause less efficacy loss compared to stubble that has been dropped to the ground via mechanical means or grazing. It is best to delay application to recently burnt paddocks or windrows until rainfall occurs to disturb the layer of ash. Rustler binds to ash stronger than it does to stubble (ash is free carbon).

SEED PLACEMENT & EQUIPMENT

Crop seed should ideally be sown below the applied band of Rustler 900 WG to avoid reduced plant vigour. Sowing with knife points and press wheels is regarded as the safest sowing configuration when using Rustler. Crop safety when using disc seeding systems is variable based on seed placement. Rustler should be applied prior to sowing and incorporated by sowing using either knife point and press-wheel planter or by full disturbance cultivation with trailing harrows. Incorporation with a knife point and press-wheel planter may result in reduced weed control in the drill row. If using a knife point and press-wheel planter, adjust working speed to avoid excessive soil throw into the adjoining seeding row. Weeds germinating from depth, weeds about to emerge or emerged weeds not controlled by knockdown herbicides may not be controlled by Rustler.

ENVIRONMENTAL CONDITIONS

Rustler 900 WG requires adequate soil moisture for effective weed control. Rustler 900 WG is effective in warm moist soils on small germinating grass weeds; Best results are achieved when sufficient rainfall occurs soon after application, or soil movement from sowing incorporates the product into the weed root zone. The efficacy of Rustler 900 WG improves when soil temperatures decline below 10°C. Cool moist soils in the months following application is favourable for residual grass weed control.

Caution: The potential for Canola seedling damage may occur on:

- light soils with low organic matter if heavy rainfall follows sowing
- dry sown canola crops treated with Rustler after heavy rain events

RESISTANCE WEEDS WARNING



Rustler 900 WG Herbicide is a member of the benzamides group of herbicides. The product has the inhibitors of microtubule assembly mode of action. For weed resistance management, the product is a Group D herbicide. Some naturally occurring weed biotypes resistant to the product and other Group D 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 D herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, FMC Australasia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

COMPATABILITY

Rustler 900 WG Herbicide is compatible with a range of knockdown herbicides and insecticides. The following table provides some recommendations on the suitability of tank mix combinations:

Herbicides	Compatibility Recommendation
Atrazine 900WG	Acceptable
Diuron 900WG	Acceptable
Ecopar® 20SC	Acceptable
Glyphosate <i>present as the potassium salt</i> based products**	Not Recommended
Glyphosate 450SL	Conditional
Glyphosate Dry WG680	Acceptable
Haloxypfop 520EC	Acceptable
Hammer 400EC	Conditional
MCPA products	Not Recommended
Omethoate 290SL	Acceptable
Oxyfluorfen 240EC	Conditional
Paraquat 250SL	Not Recommended
Paraquat 350SL	Not Recommended
Terbyne Xtreme® WG	Acceptable
Trifluralin 480EC	Not Recommended
Insecticides	Compatibility Recommendation
Cyren 500EC	Not Recommended
Danadim 400EC	Not Recommended
Dominex Duo 100	Conditional
Talstar 250EC	Conditional
Explanatory Notes on Recommendations:	
Acceptable: Products considered physically compatible with Rustler 900 WG in a two-way mix.	
Conditional: Tank mixes of Rustler 900 WG with the following product may result in nozzle or filter blockage if vigorous agitation in the spray unit is not maintained during the entire spray operation.	
Not Recommended: Tank mixes of Rustler 900 WG with the following product is likely to form a slimy residue which can block spray nozzles and filters during application.	
**It is not recommended to mix Rustler with any products containing <i>Glyphosate present as the potassium salt</i>.	

Physical compatibility with Rustler 900 WG should be determined prior to mixing with a product not listed above, or when mixing Rustler as a component of a 3-way tank mix.

Always read the product label for the manufacturer's tank mix recommendations and to determine individual product compatibility options and correct mixing orders for individual products. If unsure, perform a jar test before proceeding to determine physical compatibility. Physical compatibility does not always guarantee biological compatibility.

EQUIPMENT

Always ensure the sprayer is clean, using a suitable cleaner as directed. It is recommended that for certain turf situations, up to 100L/ha spray volume is required.

RE-ENTRY PERIOD

DO NOT enter 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 day's use.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply to, or allow spray to drift onto crops, pastures or non-target – desirable plants, nor onto agricultural land scheduled for cropping or pasture, as injury to the crop or pasture may occur.

CROP ROTATION RECOMMENDATIONS

Rustler 900 WG is predominantly broken down in the soil through microbial degradation. Microbial activity is typically favoured by moist and warm aerobic soils. Minimum recropping intervals for Rustler have been recommended to minimise the risk of damage to rotational crops (see table below). However, considerable variations in environmental, edaphic and agronomic factors affecting the soil microbial activity, mean that it is not possible to absolutely eliminate all risks and potential for damage to following crops:

Crop	Re-cropping Interval Recommendation
Cereals (Wheat, Barley, Oats and Triticale)	9 months [^]
Canola, Winter grain Legumes (including Lentils, Lupins, Chickpeas, Faba bean and Field Peas)	Can be sown into soil treated with Rustler 900 WG in a failed crop scenario, however Rustler (or any other prophyzamide products) should not be applied prior to sowing the replacement crop (i.e. twice in one growing season).

[^]Provided there has been sufficient rainfall (estimated >250mm) over summer to support microbial activity and degradation of Rustler. Conditions that aren't conducive to adequate soil microbial degradation may result in extended recropping intervals.

For advice on crops and situations not mentioned above, contact FMC Australasia Pty Ltd.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways by cleaning of equipment, disposal of wastes or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area, out of direct sunlight. Keep from contact with fertilizers, insecticides, fungicides and seeds. Shake empty box into spray tank. **DO NOT** re-use container or dispose of undiluted chemicals on-site. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal 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 container or product.

APVMA Approval Number: 69519/112627

DIRECTIONS FOR USE:

CROPS	WEEDS	STATE	RATE kg/ha	CRITICAL COMMENTS	
BROADACRE CROPS					
Canola	Annual ryegrass, Barley grass,	All states	0.56	Incorporate by sowing (IBS) when weeds are at the pre-emergent stage.	
Chickpeas, Faba beans, Field Peas, Lentils, Lupins	Canarygrass, Fescue, Great brome, Prairie grass, Rat's tail fescue, Silver grass, Squirrel tail,		0.56 – 1.11	Incorporate by sowing (IBS) when weeds are at the pre-emergent stage. Use rates towards the higher end of the range on heavy soils, if conditions are not optimal or where a heavy grass population is expected.	
Legume Pastures (including Lucerne, Clover, Medics) Grown for Forage, Hay or Seed Production	Wild oats, Winter grass.	NSW, VIC, ACT, Tas, SA, WA only	0.56 – 0.83	SEEDLING CROPS: Apply after the third trifoliate leaf is fully developed. ESTABLISHED CROPS: Apply any time before the end of July.	
	Bent grass, Blackberry nightshade, Chickweed, English couch, Patterson's curse, Perennial ryegrass, Seedlings orrel, Seedling wireweed, Wild oats, Yorkshire fog grass		0.83 – 1.11	WEEDS: Apply when weeds are at post or pre-emergence stages. BEST RESULTS: When applied during cool and moist conditions. Rain or irrigation is necessary to thoroughly wet the top 3 to 4cm of soil. This is similar to 25 mm rain. Use rates towards the higher end of the range on heavy soils, if conditions are not optimal or where a heavy grass population is expected. Grazing or cutting PRIOR to treatment is recommended.	
Oilseed Poppies	Ryegrass (resistant to herbicides in group A and B)	Tas only	0.56 in 100 -200 L water	Apply as foliar application (using suitable boom spray equipment) from 6-leaf stage to crop row cover. Make only one application per crop. DO NOT apply after commencement of running up.	
VEGETABLES					
Lettuce (direct sown)	Barley grass, Blackberry nightshade, Chickweed,	All States	2.5 in 330 – 550 L	Apply pre-emergent, immediately after sowing. For best results, prepare the seed bed free from clods. Sufficient irrigation to wet the top 3 to 4cm of soil should be applied within 24 hours.	
Lettuce (Transplanted)	Portulaca, Winter grass, Rye grass, Summer grass, Wireweed, Prince of Wales feather, Shepherd's purse, Nettles			Vic only	1.28 in 550 L
TURF AND LAWNS					
Common Couch	Winter grass	All States	0.7 (7 g/100 m ²)	Rate/Bowling Green 37 x 37 m	Apply during the Autumn and Winter, if established turf is infested with seedling winter grass. Ensure a uniform coverage. Irrigate immediately after application with 12 – 25 mm irrigation or rain and again 24 hours later. Repeat treatment if necessary on Qld Blue Couch and after 4 weeks. DO NOT RESEED FOR 60 DAYS AFTER TREATMENT. Use ONLY on established turf. DO NOT use on bluegrass, rye grass, fescue or bent grass lawns.
Queensland Blue Couch		Qld only	0.3 (3 g/100 m ²)	94 g	
Buffalo Grass		All states	0.7 (7 g/100 m ²)	47 g	

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

WITHHOLDING PERIODS

CANOLA:

HARVEST - NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING - DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 12 WEEKS AFTER APPLICATION.

POPIES:

HARVEST - NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING - DO NOT GRAZE TREATED POPPY CROPS OR CUT FOR STOCKFOOD.

WINTER GRAIN LEGUMES:

HARVEST - NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING - DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 12 WEEKS AFTER APPLICATION.

ALL OTHER CROPS:

DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD OR FOR SEED FOR 25 DAYS AFTER APPLICATION.

EXPORT GRAZING INTERVAL: SAME AS WITHHOLDING PERIOD

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