

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



Picloram + MCPA

242

HERBICIDE

ACTIVE CONSTITUENTS: 420 g/L MCPA present as potassium salt
26 g/L PICLORAM present as potassium salt

GROUP

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HERBICIDE

For the control of Climbing Buckwheat, Common Sowthistle, Skeleton Weed, Capeweed, Doublegee and other broadleaf weeds in winter cereals and linseed crops

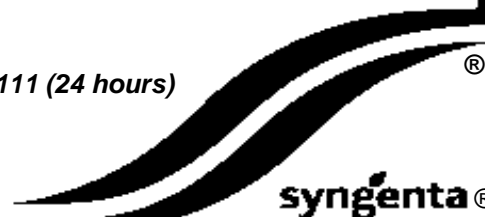
IMPORTANT: Read the attached leaflet before use

20 LITRES

Syngenta Crop Protection Pty Limited
Level 1, 2-4 Lyon Park Road, North Ryde NSW 2113

*In a transport emergency dial 000, Police or Fire Brigade
For specialist advice in an emergency only, call 1800 033 111 (24 hours)*

APVMA Approval No: 61620/20/0307
Item number
UN-Free



STORAGE AND DISPOSAL

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 not 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 containers and product should not be burnt.

SAFETY DIRECTIONS

Harmful if swallowed. Attacks eyes. Will irritate the skin. Avoid contact with eyes and skin. If product in eyes, wash it out immediately with water. DO NOT inhale spray mist. When preparing the spray and using the prepared spray wear:

- cotton overalls buttoned to the neck and wrist
- a washable hat
- elbow length PVC gloves
- goggles

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 131 126.

MATERIAL SAFETY DATA SHEET

If additional hazard information is required refer to the Material Safety Data Sheet. For a copy visit our website at www.syngenta.com.au

MANUFACTURER'S WARRANTY AND EXCLUSION OF LIABILITY

Syngenta has no control over storage, handling and manner of use of this product. Where this material is not stored, handled or used correctly and in accordance with directions, no express or implied representations or warranties concerning this product (other than non-excludable statutory warranties) will apply. Syngenta accepts no liability for any loss or damage arising from incorrect storage, handling or use.

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Batch No	
Date of Manufacture	

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DIRECTIONS FOR USE

Restraints

DO NOT apply to crops or weeds which are not actively growing or to plants which may be stressed (not actively growing) due to prolonged periods of extreme cold, moisture stress (water-logged or drought affected) or previous herbicide treatment, as crop damage or reduced levels of control may result.

DO NOT use in high winds.

DO NOT spray if rain is likely to occur within four hours.

DO NOT apply close to, or on areas, containing roots of desirable vegetation, where treated soil may be washed into areas growing, or to be planted to, desirable plants, or on sites where surface water from heavy rain can be expected to run off to areas containing, or to be planted to, susceptible crops or plants.

DO NOT move soil which may have been sprayed to areas where desirable plants are to be grown.

Table 1: New South Wales and Queensland only

Crop	Crop Growth Stage	Weed	Weed Growth Stage	Rate/ha	Critical Comments
Barley, Canary Grass, Oats, Triticale, Wheat	Apply from early tillering (when the main shoot has 4 to 5 leaves and 2 or more new tillers have formed) to start of jointing (first node (GS30))	Climbing Buckwheat (Black Bindweed)	Up to 6 leaf	1 L	For best control of Climbing Buckwheat apply at early tillering as this weed becomes increasingly difficult to control as it becomes larger. To avoid possible crop damage, DO NOT spray outside the early tillering to early jointing stage.
		Common Sowthistle, Doublegee (Spiny Emex), Mustard, Saffron Thistle, Skeleton Weed, Turnip Weed, Variegated Thistle, Wild Radish, Wild Turnip	Young rosette or seedling plants up to 8 true leaves		
Barley, Triticale, Wheat		NZ Spinach [^] Wireweed [^]	Up to 4 leaf	800 mL plus 5 g metsulfuron-methyl (600 g/kg)	[^] Suppression only- spray early
		Common Sowthistle, NZ Spinach, Wireweed	Apply up to 4 leaf stage		Add a 100% concentrate non-ionic surfactant (eg BS-1000*) at the rate of 100 mL/100 L water.
Linseed, Linola	Apply when crop is 8 to 20 cm high	Climbing Buckwheat (Black Bindweed), Doublegee (Spiny Emex), Mustard, Saffron Thistle, Skeleton Weed, Variegated Thistle, Wild Radish, Wild Turnip	Young rosette or seedling plants up to 4 true leaves	670 to 840 mL	Use the higher rate when climbing buckwheat is present or weed growth is advanced.
		NZ Spinach [^] Wireweed [^]	Up to 2 leaf		

Table 2: Western Australia only

Crop	Crop Growth Stage	Weeds	Weed Growth Stage	Rate/ha	Critical Comments
Barley, Canary Grass, Oats, Triticale, Wheat	Apply from 3 leaf to early tillering (when the main shoot has 4 to 5 leaves and 2 or more new tillers have formed) to start of jointing (first node (GS30))	Capeweed Doublegee Saffron Thistle Turnip Weed Wild Mustard Wild Turnip	Young rosette or seedling plants up to 4 true leaves	600 mL	To avoid possible crop damage DO NOT spray outside the early tillering to early jointing stage. Caution: DO NOT use this product where the land to be treated will be sown to lupins or peas the following year or where a volunteer medic or sub-clover pasture is required in the following season. Only use when a cereal crop will follow the cereal crop to be treated. ^ Suppression only- spray early
		Capeweed Doublegee Saffron Thistle Turnip Weed Wild Mustard Wild Turnip	Young rosette or seedling plants up to 6 true leaves	750 mL	
	Wireweed^	Up to 4 leaf			
	Apply from early to mid tillering	Docks Sorrel	Active growth	1 L	

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

WITHHOLDING PERIODS

Harvest: NOT REQUIRED WHEN USED AS DIRECTED

Grazing: DO NOT GRAZE OR CUT CROPS OR PASTURES FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION

GENERAL INSTRUCTIONS

Minimum Recropping Periods

Picloram, one of the active constituents in this product, remains active in the soil for extended periods depending on rate of application, soil type, rainfall, temperature, humidity, soil moisture and soil organic matter.

DO NOT plant susceptible broadleaf crops within 12 months of applying the product. Cereal crops and grasses can be sown safely after using INNOVA PICLORAM + MCPA for in crop weed control.

Mixing

INNOVA PICLORAM + MCPA can be mixed with water only. Mix only sufficient chemical for each days use and avoid storing mix. Half fill the spray tank with water and add the required quantity of INNOVA PICLORAM + MCPA and complete filling. Agitate continuously to ensure thorough mixing before and during application.

Tank mixtures: Wettable powder or dry flowable formulations (eg water dispersible granules) should be added to the spray tank first, followed by suspension concentrates (flowables), water soluble salts and then emulsifiable concentrate formulations. Add spraying oils and surfactants (wettors) last, if required.

Compatibility

INNOVA PICLORAM + MCPA is compatible with the following:

(Read and follow all label directions, restraints, plant-back periods, withholding periods and safety directions on the partner label as well as those on the INNOVA PICLORAM + MCPA label).

Broadleaf Herbicides: Eclipse* Herbicide, Lontrel* Herbicide, MCPA amine, MCPA LVE, metsulfuron-methyl, Starane* 200 Herbicide, 2,4-D amine

Grass Herbicides: Hoegrass* (annual ryegrass only), Topik® 240EC (wild oats and phalaris only)

Adjuvants: BS-1000 (when mixed with metsulfuron-methyl), Uptake* Spraying Oil (when mixed with Topik 240EC)

Insecticides: Le-Mat*, Rogor*

INNOVA PICLORAM + MCPA is not compatible with zinc products (such as Zinc dextrase and Zinc heptahydrate), copper salts (such as sulphate) and manganese sulphate. DO NOT use with hard water or water clarified with alum.

As formulations of other manufacturers' products are beyond the control of Syngenta Crop Protection, and water quality varies with location, all mixtures should be tested prior to mixing commercial quantities.

Application

Ground Application (Boom)

Apply INNOVA PICLORAM + MCPA with an accurately calibrated boom sprayer, in at least 50 L/ha water. Flat fan nozzles are recommended using pressures in the range 200 to 300 kPa. Set the boom at a height to ensure a double overlap of the nozzle pattern.

Aerial Application

Apply in a minimum volume of 35 L/ha water. Use equipment calibrated to produce droplets with an average diameter (Volume Mean Diameter) of 200 to 250 microns. DO NOT apply when the temperature is above 30°C, when there is no wind or when the wind is blowing towards susceptible crops.

Cleaning Spray Equipment

Rinse water should be discharged onto a designated disposal area or, if this is unavailable, onto wasteland away from desirable plants and water courses.

Rinsing: After using INNOVA PICLORAM + MCPA, empty the tank completely and drain the whole system. Thoroughly wash inside the spray unit using a pressure hose. Drain, and clean any filters in the tank, pump, lines, hoses and nozzles. After cleaning the tank as above, quarter fill with clean water and circulate through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

Decontamination (before spraying cotton and other sensitive crops; see PROTECTION OF CROPS): Wash the tank and rinse the system as above. Then quarter fill the tank and add an alkali detergent (eg liquid SURF*, OMO* or DRIVE*) at 500 mL/100 L of water or the powder equivalent at 500 g/100 L and circulate throughout the system for at least 15 minutes. Drain the whole system. Remove filters and nozzles and clean them separately. Finally flush the system with clean water and allow to drain.

Resistant Weeds Warning

GROUP	I	HERBICIDE
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INNOVA PICLORAM + MCPA 242 Herbicide contains members of the pyridine and phenoxy groups of herbicides. The product has the disrupters of plant cell growth mode of action. For weed resistance management, the product is a Group I herbicide. Some naturally-occurring weed biotypes resistant to the product and other disrupters of plant cell growth 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 disrupters of plant cell growth herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Syngenta Crop Protection Pty Limited accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

PROTECTION OF CROPS, NATIVES AND OTHER NON-TARGET PLANTS

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

Crops and plants susceptible to INNOVA PICLORAM + MCPA include, but are not limited to clovers, medics, lupins, peas and other legumes, cotton, flowers, hops, grape and kiwi vines, ornamentals, potatoes, safflower, shade trees, sugar beet, tobacco, tomatoes, tree fruits, and vegetables.

DO NOT use on land to be cultivated for growing susceptible crops within 12 months of applying INNOVA PICLORAM + MCPA. Susceptible crops and plants can be damaged by soil residues during both growing and dormant periods. In the season following application of this product the regeneration or establishment of sensitive legumes (clover, medics, peas, lupins) may be adversely affected by soil residues. Cereal crops and grasses can be sown safely after using INNOVA PICLORAM + MCPA.

This product will kill legumes (clovers, medics) present in the crop at the time of spraying.

DO NOT apply close to or on areas containing roots of desirable vegetation, where treated soil may be washed to areas growing, or to be planted to desirable plants, or on sites where surface water from heavy rain can be expected to run off to areas containing or to be planted to susceptible crops or plants.

DO NOT move soil which may have been sprayed to areas where desirable plants are to be grown.

Cereal crops may be reduced in height following use of this product. This height reduction is a normal response and does not represent any yield loss.

DO NOT apply INNOVA PICLORAM + MCPA to crops or pastures, which are to be used for the production of compost or mulches for use with susceptible crops or plants. The use of straw, hay or other plant material treated with INNOVA PICLORAM + MCPA for composting or mulching susceptible crops may damage these crops.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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

STORAGE AND DISPOSAL

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