

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	Weeds Controlled	Weed Growth Stage	Rate /ha	Critical Comments
Barley Canary grass, Oats, Triticale, Wheat	Apply from early tillering (when the main shoot has 4-5 leaves and 2 or more new tillers have formed) to start of jointing (first node Z30).	Climbing buckwheat (black bindweed)	Up to 6 leaf	1L	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	Apply when crop is 8 - 20cm high	N.Z. spinach Wireweed	Up to 4 leaf	800mL + 5g metsulfuron (600g/kg)	Add a 1000g/L non-ionic wetter at 100mL/100L water.
		Common sowthistle N.Z. spinach Wireweed	Apply up to 4 leaf stage		
Linseed Linola	Apply when crop is 8 - 20cm 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 840mL	Use the higher rate when climbing buckwheat is present or weed growth is advanced.
		N.Z. spinach Wireweed	Up to 2 leaf		

Table 2: WESTERN AUSTRALIA only

Crop	Crop Growth Stage	Weeds Controlled	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 4-5 leaves and 2 or more new tillers have formed) to start of jointing (first node Z30).	Capeweed Doublegee Saffron thistle Turnip weed Wild mustard Wild turnip	Young rosette or seedling plants up to 4 true leaves	600mL	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.
		Capeweed Doublegee Saffron thistle Turnip weed Wild mustard Wild turnip	Young rosette or seedling plants up to 6 true leaves	750mL	
		Wireweed	Up to 4 leaf		
	Apply from early to mid-tillering.	Docks Sorrel	Active growth	1L	Suppression only - Spray early

NOT TO BE FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS

AUTHORISED UNDER APPROPRIATE LEGISLATION

WITHHOLDING PERIOD

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

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED

MINIMUM RE-CROPPING PERIODS

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

Northern New South Wales and Queensland

Plantback periods for rotational crops following application of FMC MCPA + Picloram at 1 L/ha on black cracking clay soils (table below). These plantback periods are based on a normal rainfall pattern. During drought conditions (or when rainfall is less than 100 mm for a period of 4 months after application) the plantback period may be significantly longer.

Winter Crop	Plantback Period	Summer Crop	Plantback Period
	(Months)		(Months)
Wheat	2	Sorghum	2
Barley	2	Cotton	12
Canola	4	Mung bean	12
Chickpea	6	Soybean	12
Faba bean	4		
Lucerne	9		

Western Australia and other soil types not mentioned above

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

GENERAL INSTRUCTIONS

MIXING

FMC MCPA + Picloram 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 FMC MCPA + Picloram and complete filling. Agitate continuously to ensure thorough mixing before and during application.

Tank mixtures: Wettable powder or dry flowable formulations (e.g. 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

FMC MCPA + Picloram is compatible with the following:

(Read and follow all label directions, restraints, plantback periods, withholding periods and safety directions on the partner label as well as those on the FMC MCPA + Picloram label).

Broadleaf Herbicides: Eclipse* Herbicide, Archer Herbicide, MCPA Amine, MCPA LVE, metsulfuron, fluroxypyr, 2,4-D Amine

Grass Herbicides: Diclofop-methyl (annual ryegrass only), Clodinafop (wild oats and phalaris only)

Adjuvants: BS 1000 (when mixed with metsulfuron-methyl), Uptake™ Spraying Oil (when mixed with FMC Clodinafop 240 Herbicide)

Insecticides: Omethoate, Dimethoate

FMC MCPA + Picloram 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.

APPLICATION METHODS

A. Ground application (Boom)

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

B. Aerial Application

- Apply in a minimum volume of 35L/ha water. Use equipment calibrated to produce droplets with an average diameter (Volume Mean Diameter) of 200-250 microns.
- DO NOT apply when the temperature is above 30°C, when there is no wind or when the wind is blowing toward 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 FMC MCPA + Picloram, 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 tanks as above, quarter fill with clean water and circulate through the pump, lines 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 (e.g. liquid SURF* OMO* or DRIVE*) at 500mL/100L of water or the powder equivalent at 500g/100L 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.

GROUP I HERBICIDE

RESISTANT WEEDS WARNING

FMC MCPA + Picloram 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 FMC MCPA + Picloram and other Group I 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 FMC MCPA + Picloram or other Group I herbicides.

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

Strategies to minimise the risk of herbicide resistance are available. Contact your farm chemical supplier, consultant, local Department or Agriculture, or FMC Crop Protection Pty Ltd representative

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 crops and plants, cropping lands or pastures.
- Crops and plans susceptible to FMC MCPA + Picloram include; but are not limited to clovers, medics, lupins, peas and other legumes, cotton, flowers, hops, grape and kiwifruit 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 FMC MCPA + Picloram. 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 FMC MCPA + Picloram.

- 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 FMC MCPA + Picloram Herbicide 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 FMC MCPA + Picloram 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

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

Recycled Containers

This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple or pressure rinse container before disposal. Dispose of rinsate by adding to the spray tank. Do not dispose of undiluted chemicals on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management site. The cap should be replaced but may be taken separately.

Non Recycled Containers

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.

For 110L or 1000L Refillable Containers: Empty containers fully into application equipment. Close all valves and return to point of supply for refill or storage.

SMALL SPILL MANAGEMENT

Do not touch or walk through spilled material. Wear a face shield or goggles, overalls buttoned to neck and wrist, chemical resistant gloves and footwear. Stop leak when safe to do so. Dam area and prevent entry into waterways, and drains.

Small spills/leaks: Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Dam the area of large spills and report them to FMC Crop Protection Pty Ltd.

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 and a washable hat, elbow-length PVC gloves, a face shield or 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. Telephone Australia 13 11 26.

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS), which is available from the supplier or from the supplier's website.

WARRANTY

FMC Crop Protection Pty Ltd makes no warranty expressed or implied, concerning the use of this product other than that indicated on the label. Except as so warranted the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

APVMA Approval No: 68707/58934

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In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 111 ALL HOURS – AUSTRALIA WIDE
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POISON

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

FMC MCPA + Picloram

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 as specified in the DIRECTIONS FOR USE table.

IMPORTANT: READ THIS LEAFLET BEFORE USE

FMC

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