CAUTION

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

Genfarm McPik 242 Cereal Herbicide

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

GROUP	I	HERBICIDE

For the control of climbing buckwheat, common sowthistle, skeleton weed, capeweed, doublegee and other broadleaf weeds in winter cereals and linseed crops.

READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT

CONTENTS: 20L – 1000L

Landmark Operations Limited
Suite 2, Level 3, 64 Talavera Road,
North Ryde, NSW, 2113
Tel: (02) 9889 5400
Product Support Tel: 1800 44 88 92

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 original container, tightly closed in a safe well-ventilated area, as cool as possible. DO NOT store for prolonged periods in direct sunlight.

This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple rinse container for disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical 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 point or similar container management program site. The cap should not be replaced but may be taken separately.

If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm 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 containers and product.

For REFILLABLE containers (110L, 1000L): Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SMALL SPILL MANAGEMENT

Wear protective equipment (See SAFETY DIRECTIONS). Apply absorbent material such as earth, sand, clay granules or cat litter to the spill. Sweep up material for disposal when absorption is completed and contain in a refuse vessel for disposal (see STORAGE AND DISPOSAL section). If necessary wash the spill area with an alkali detergent and water and absorb as above the wash liquid for disposal as described above.

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 and 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 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.

CONDITIONS OF SALE

The use of this product is beyond the control of Landmark Operations Limited. No warranty is expressed or implied regarding the suitability or efficiency for any purpose for which it is used by the buyer. Landmark Operations Limited accepts no responsibility for any consequences resulting from the use of this product. Landmark Operations Limited will not be held liable for any loss, injury or damage arising from the sale, supply or use of this product, whether through negligence or otherwise. No responsibility will be accepted for any consequences whatsoever resulting from the use of this product.

APVMA Approval No: 62202/57036
Date of Manufacture:
Batch No:

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THIS LEAFLET IS PART OF THE LABEL

APVMA Approval No: 62202/57036

Landmark Operations Limited
Suite 2, Level 3, 64 Talavera Road,
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Tel: (02) 9889 5400
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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	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 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, Doublgee (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		
		NZ spinach[1], wireweed[1]	Up to 4 leaf		[1] Suppression only - spray early
Barley, Triticale, Wheat		Common sowthistle, NZ spinach, Wireweed	Apply up to 4 leaf stage	800mL + 5g Genfarm Muron 600 Herbicide	Add a 100% concentrate non-ionic surfactant (eg. BS-1000) at the rate of 100 mL/100L water.
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 840 mL	Use the higher rate when climbing buckwheat is present or weed growth is advanced.
		NZ spinach[1], wireweed[1]	Up to 2 leaf		[1] Suppression only - spray early

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 ups 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 soon be sown to lupins or peas the following year or where a volunteer medic or subclover pasture is required in the following season. Only use when a cereal crop will follow the cereal crop to be treated.
			Young rosette or seedling plants ups to 6 true leaves	750 mL	
		Wireweed[1]	Up to 4 leaf		[1] Suppression only - spray early
	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 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 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 Genfarm McPik 242 Cereal Herbicide for in-crop weed control.

GENERAL INSTRUCTIONS
MIXING

Genfarm McPik 242 Cereal Herbicide 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 Genfarm McPik 242 Cereal Herbicide 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 (e.g. Fluroxypyr 200). Add spraying oils and surfactants (wetters) last, if required.

COMPATIBILITY

Genfarm McPik 242 Cereal Herbicide 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 Genfarm McPik 242 Cereal label).
Broadleaf Herbicides - Eclipse* Herbicide, , MCPA 500, Genfarm Clopyralid 300, MCPA LVE, Genfarm Muron 600, Genfarm Fluroxypyr 200.
Grass Herbicides – Genfarm Diclofop methyl 375 (annual ryegrass only), Topik 240EC (wild oats and phalaris only)
Adjuvants - BS-1000 (when mixed with Genfarm Muron 600), Uptake* Spraying Oil (when mixed with Topik)
Insecticides – Le Mat, Rogor.
Genfarm McPik 242 Cereal Herbicide 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 Genfarm McPik 242 Cereal Herbicide with an accurately calibrated boom sprayer, in at least 50L/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.
B. 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 - 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 Genfarm McPik 242 Cereal Herbicide, 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 (e.g. liquid SURF., OMO. or DRIVE.) at 500 mL/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.

RESISTANT WEEDS WARNING

GROUP	I	HERBICIDE

Genfarm McPik 242 Cereal 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 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 this product or other Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Landmark 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 of Agriculture, or local Landmark representative.

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 Genfarm McPik 242 Cereal Herbicide 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 Genfarm McPik 242 Cereal Herbicide. 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 Genfarm McPik 242 Cereal Herbicide.
- 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 Genfarm McPik 242 Cereal 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 Genfarm McPik 242 Cereal Herbicide for composting or mulching susceptible crops may damage these crops.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

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STORAGE AND DISPOSAL

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Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: If swallowed, rinse mouth. If on skin, wash with plenty of water.