

orion AGRISCIENCE



DANGER

KEEP OUT OF REACH OF CHILDREN

ORION

MCPA

750

HERBICIDE

A selective herbicide for the control of many annual and broadleaf weeds in established PASTURE, CEREAL and SEED CROPS, AMENITY TURF and WASTE AREAS

Active Ingredient:

750 g/litre MCPA as the dimethylamine salt in the form of a soluble concentrate



9 421004 532730

20 Litres

READ THE LABEL BEFORE USE



HAZARD CLASSIFICATIONS: Acute Oral Toxicity (Cat. 4), Serious Eye Damage (Cat. 1), Specific Target Organ Toxicity Repeat Exposure (Cat. 2), Hazardous to the Aquatic Environment Acute (Cat. 1), Hazardous to the Aquatic Environment Chronic (Cat. 1), Hazardous to Soil Organisms, Hazardous to Terrestrial Vertebrates

DANGER

Harmful if swallowed. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Hazardous to soil organisms (selective herbicide). Hazardous to terrestrial vertebrates.

PRECAUTIONS

Avoid contact with eyes and skin. Do not breathe in the spray mist. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

STORAGE

Store in the original container. Keep container tightly closed. When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

PROTECTIVE EQUIPMENT

When mixing, loading or applying, wear overalls, boots, gloves and eye protection. Wear respiratory protection if spray mist could be inhaled.

USE

Apply with well maintained and calibrated spray equipment. Application must be by a qualified loader, contractor or person.

DISPOSAL

Dispose of this product by using it in accordance with this label. Dispose of the container via AgRecovery after triple rinsing (use the rinsate for spraying). Do not burn. Do not use the container for any other purpose.

ENVIRONMENTAL

Take all reasonable steps to ensure that this product does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water. Collect spillage. Spray drift or equipment contamination may cause serious damage to desirable plants and susceptible crops such as vegetables, flowers, fruit trees, ornamental shrubs, grapes and tomatoes. Do not use the same equipment to apply other chemicals to susceptible crops unless decontaminated completely.

First Aid

If medical advice is needed, have product container or label at hand.

IF SWALLOWED: Rinse mouth. Get medical help.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical help.

Get medical help if you feel unwell. For advice, call the Poisons Centre on **0800 POISON (0800 764 766)** or a Doctor.

Emergency Response

In an emergency call **111, Police or Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).

Safety Data Sheet

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit www.orionagriscience.co.nz

WARRANTY

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, No. P7812

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNZ Act 1996, No. HSP000381

See www.epa.govt.nz for approval conditions.

Registrant: Agsin Pte Ltd, Zagro Global Hub, 5 Woodlands Terrace, Singapore 738430

Distributor: Orion AgrScience Ltd, Unit 1, 15 Sir Gil Simpson Drive, Harewood, Christchurch 8053 www.orionagriscience.co.nz

Batch No.

Date of Manufacture



AGRISCIENCE

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GENERAL INFORMATION

Orion MCPA 750 is a selective herbicide for the control of a range of annual and perennial broad leaf weeds in established pastures, cereals, seed crops such as grass and linseed, on amenity turfs and in waste and non-crop areas. Orion MCPA 750 is absorbed through the leaves and roots, where it translocates within the weed to inhibit growth and effectively control the weed.

RECOMMENDED USES

Weeds controlled or severely checked: Bathurst bur, black nightshade, burdock, buttercups, catsear, creeping mallow, daisy, dandelion, dock seedling, fathen, field cress, fumitory, hawkbit, hedge mustard, hoary cress, mouse-eared hawkweed, nettles, Onehunga weed, oxtongue, pennycress, plantain, ragwort, redroot, shepherd's purse, storksbill, thistles (Californian, nodding, Scotch, sow, welted, winged, variegated), tiger weed (beggars ticks), twin cress, wild turnip.

WITHHOLDING PERIODS

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

Poisonous plants, e.g. ragwort, may become more palatable after spraying, and livestock should be kept out until plants have died down. After spraying, avoid grazing for at least two weeks. This will also allow Orion MCPA 750 to penetrate throughout the weed for maximum effectiveness.

RESISTANCE MANAGEMENT

GROUP	4	HERBICIDE
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Orion MCPA belongs to the phenoxy chemical family (action like indole acetic acid / auxin mimic). Some naturally occurring weeds may become resistant when excessive use of the same herbicide occurs. To prevent or delay the development of resistance, use in tank mixes and/or rotate use with herbicides with a different mode of action. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

DIRECTIONS FOR USE

RATES AND TIMING OF APPLICATION

Orion MCPA 750 works best on seedling weeds. Use the lower specified application rates on seedling and young weeds. Use the higher rate on more established weeds and hard to kill weeds. Established perennial weeds may not be well controlled. Best results are obtained with autumn, early winter, or early spring treatments.

Crop/Area		Rate per Hectare and Timing
Cereals:	Barley, Ryecorn, Wheat	0.75 – 1.5 litres from 5 leaf stage to start of jointing
	Oats	0.75 – 1.5 litres from 1 leaf stage to start of jointing
Linseed		1 litre up to flowering bud stage
Grass seed		0.7 – 1.7 litres soon after shutting up
Pasture and Amenity Turf		1.5 – 3 litres
Waste and Non-Crop Areas		1.5 – 3 litres

Orion MCPA 750 can damage clovers, particularly in spring and autumn on newly sown pasture. On new pasture, for maximum clover protection, use a product containing MCPB. On established pasture, graze the area prior to spraying to reduce clover leaf and to expose target weeds. Leave for one week to allow weeds to freshen. Do not use on undersown cereals.

Avoid spraying when rain is expected. Rain within 2 hours of treatment may reduce effectiveness.

APPLICATION METHODS

Orion MCPA 750 can be applied with conventional spraying equipment.

Boom spraying: Apply in 100 – 300 litres water/ha.

Aerial spraying: Apply in 30 – 100 litres water/ha.

Knapsack spraying: Use 25 – 50 ml per 10 litres of water.

Spot spraying: Use 0.5 litres per 100 litres of water.

Mist blowers: Use 130 ml per 10 litres of water.

MIXING

Pour the correct amount into the partly filled tank and add the remainder of the water while agitating. Agitate thoroughly before and during spraying and before spraying after a stoppage.

WEED CONTROL NOTES

Buttercup: Treat creeping and giant buttercup at flower bud formation. Repeat or annual treatment may be necessary.

Ragwort: Seedling and plants up to small rosette stage will be controlled. However, large rosette and regrowth ragwort (characterised by multicrowns) will not be controlled.

Thistles: Treat Californian thistle at flower bud formation. Repeat or annual treatment may be necessary. Treat nodding, welted and winged thistle in late autumn after the main strike. Further spring treatment may be necessary.

Orion MCPA 750 is not effective against chamomiles, chickweed, cleavers, combind, field pansy, groundsel, pennyroyal, speedwell, spurrey, staggerweed, stinking mayweed, willow weed and wireweed.