



**Synergy**<sup>TM</sup>

**MCPA  
750**

**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.



**IMPROVEMENT**



20 Litres

**HARMFUL • CORROSIVE • ECOTOXIC • KEEP OUT OF REACH OF CHILDREN**



## PLEASE READ THE LABEL COMPLETELY BEFORE USE

**HAZARD CLASSIFICATIONS:** 6.1D, 6.9A, 8.3A, 9.1A, 9.2A, 9.3B

**WARNING: TOXIC, CORROSIVE, ECOTOXIC**

May be harmful if swallowed, inhaled or absorbed through the skin. May cause liver/kidney damage from repeated ingestion at high doses.

Danger - may cause eye damage. Very toxic to aquatic organisms and to some plant species. Toxic to terrestrial vertebrates.

### PRECAUTIONS

**APPROVED HANDLER:** This product must be under the control of an approved handler during use.

**STORAGE:** Keep out of reach of children. Store in the original, tightly closed container, in a secure area away from foodstuffs. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). 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.

**PERSONAL PROTECTION:** Avoid contact with eyes and skin. Avoid inhalation of spray mist. When mixing or applying, wear overalls, boots, gloves, and eye protection. Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

**USE:** Apply with well maintained and calibrated spray equipment.

**DISPOSAL:** Dispose of this product only by using in accordance with this label, or at a suitable landfill. Triple rinse container and add rinsate to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. Do not burn. Do not use container for any other purpose.

**ENVIRONMENTAL:** Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. Spray drift or equipment contamination may cause serious damage to desirable plants. Do not allow spray drift outside the target area to occur.

### First Aid

If swallowed do not induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766) (24 hrs)** or a doctor immediately for advice.

### Emergency Response

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

### Spillage

Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in a waste container. Wash area with water, and absorb with further inert material. Dispose of safely to a suitable landfill.

### Safety Data Sheet

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit [www.orionagriscience.co.nz](http://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. P8291

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSNO Act 1996, No. HSR000381

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

<sup>™</sup>SYNERGY is a Trade Mark of Orion AgriScience Ltd

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Batch No:

Date of manufacture:

SYNERGY MCPA 750

**orion**  
AGRISCIENCE



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### GENERAL INFORMATION

Synergy™ 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. Synergy 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.

### DIRECTIONS FOR USE

**Beware:** Apply this product carefully. Thoroughly wash equipment after use with clean water. Avoid using the same spray equipment for applying pesticides to fruit and vegetable crops unless thoroughly decontaminated. Spray drift may cause serious damage to desirable plants. For aerial application, to minimise damage to susceptible vegetation within 500 metres, use low drift nozzles which minimise the production of small droplets (100 microns). Preferably spray in a constant light breeze that is away from sensitive crops. Synergy 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.

### Rates and Timing of Application

Synergy 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.

SYNERGY MCPA 750 20L



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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

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

### Application Methods

Synergy 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, wetted and winged thistle in late autumn after the main strike. Further spring treatment may be necessary.

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

### 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 Synergy MCPA 750 to penetrate throughout the weed for maximum effectiveness.

### RESISTANCE MANAGEMENT

GROUP 01 HERBICIDE

Synergy MCPA belongs to the phenoxy chemical family. 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.