



Hygeia

MORTOX 50

SELECTIVE WEEDKILLER FOR GRASSLAND, GOLF COURSES & SPORTS FIELDS

(CONTAINS 500g/l (42.69%w/w) 2, 4-D. AMINE). Formulation Soluble concentrate.

Always read labels carefully before use. Use pesticides safely.

For use only as an agricultural & horticultural herbicide. Systematic and selective herbicide for the control of broad-leaved weeds in grass

FOR PROFESSIONAL USE ONLY

MAX DOSE
3.3L/HA
READ LABEL FOR DETAILS

ESPECIALLY SUITABLE FOR THE SPRAYING OF RAGWORT



DANGER

RISK AND SAFETY INFORMATION

Harmful if swallowed. Causes serious eye damage. May cause an allergic skin reaction. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Immediately call a POISON CENTER or doctor/physician. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

To avoid risks to human health and the environment, comply with the instructions for use

PCS02635

ADDITIONAL SAFETY PHRASES: Extreme care must be taken to avoid spray drift onto non-crop plants outside the target area. Livestock must be kept out of treated areas until poisonous weeds such as ragwort have died & become unpalatable. Do not contaminate water with the product or its container (Do not clean application equipment near surface water / Avoid contamination via drains from farmyards and roads)

DIRECTIONS FOR USE

06-2715-GL4016

CROP	Max Individual dose	Max number of applications	Max total dose
Grassland, Amenity Grassland & Managed Amenity Turf	3.3l/ha	1	3.3l/ha

METHOD OF APPLICATION: Hydraulic nozzle applicator / knapsack / tractor mounted sprayer.

20 Litre e



MARKETED BY:

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WEED SUSCEPTIBILITY TABLE: GRASSLAND (non-amenity uses)

WEEDS	RATE/HA 2.8 L (2pts / ac)	COMMENTS
Autumn hawkbit (<i>Leontodon autumnalis</i>), Creeping buttercup (<i>Ranunculus repens</i>), Plantains (<i>Plantago spp.</i>)		Susceptible (Consistently good control, both shoots and roots)
Cat's ear (<i>Hypochaeris radicata</i>), Common knapweed (<i>Centaurea nigra</i>), Common nettle (<i>Urtica dioica</i>), Creeping thistle (<i>Cirsium arvense</i>), Curled dock (<i>Rumex crispus</i>), Daisy (<i>Bellis perennis</i>), Dandelion (<i>Taraxacum officinale</i>), Meadow buttercup (<i>Ranunculus acris</i>), Self-heal (<i>Prunella vulgaris</i>), Spear thistle (<i>Cirsium vulgare</i>), Soft rush (<i>Juncus effusus</i>)	2.8 L (2pts / ac)	Moderately Susceptible (Aerial growth usually killed and a useful measure of long-term control obtained under suitable conditions)
Common ragwort (<i>Senecio jacobaea</i>)	3.3 L (2.35pts / ac)	Moderately Susceptible (Aerial growth usually killed and a useful measure of long-term control obtained under suitable conditions)
Broad-leaved dock (<i>Rumex obtusifolius</i>), Bulbous buttercup (<i>Ranunculus bulbosus</i>), Common ragwort (<i>Senecio jacobaea</i>), Common sorrel (<i>Rumex acetosa</i>), Dwarf thistle (<i>Cirsium acule</i>), Hard rush (<i>Juncus inflexus</i>), Horsetails (<i>Equisetum spp.</i>), Meadowsweet (<i>Filipendula ulmaria</i>), Perennial sow-thistle (<i>Sonchus arvensis</i>), Sheep's sorrel (<i>Rumex acetosella</i>), Wild onion (<i>Allium vineale</i>), Yarrow (<i>Achillea millefolium</i>), Yellow rattle (<i>Rhinanthus minor</i>)	2.8 L (2pts / ac)	Moderately Resistant (Variable effect on aerial growth; appreciable long-term control unlikely) †treat in spring or early summer †treat at early flower bud stage †treat in the autumn on new leaf or in the spring †treat either pre-flowering in May or any time after defoliation, when growing vigorously (use 1.6 l/ha on seedling Dock spp.) †treat before flowering and cut 4 weeks after (or before) treatment to improve control. †treat before flowering when the flowering shoot is developing rapidly and seedlings & rosettes are growing strongly †treatment will normally kill plants at all stages of growth up to the early bud stage. For best levels of control, treat in April - June when rosettes are growing strongly but before flower buds are well formed. †treat when growing well in May or early June. Top growth is removed or considerably reduced for the season of treatment. In grassland for hay or silage, shoot kill may be obtained by using 2.0 l/ha two weeks before cutting.

CROPS: "Mortox 50" should be used only on grassland. Established clover in pastures may be checked, but soon recovers.

APPLICATION: Use "Mortox 50" at the recommended rate (see Weed Susceptibility Table), in 180 - 270 litres of water per hectare (15-25 gls per acre). "Mortox 50" should be sprayed in dry but not very warm weather, and rolling or harrowing should be avoided for at least seven days before or after treatment. Spray weeds when there is active growth and when flower bud is forming (exception winter control of Ragwort).

CONTROL OF RAGWORT: "Mortox 50" is especially suitable for the spraying of Ragwort. Treatment will normally kill plants at all stages of growth up to the early bud stage. It is essential that stock be kept off treated pastures until Ragwort and all poisonous weeds are completely dead and disappeared.

SPRING / SUMMER TREATMENT
For best levels of control treat from April to June when Rosettes are growing strongly but before flower buds are well formed.

AUTUMN / WINTER TREATMENT
Ragwort can be sprayed under conditions of good growth from September to February provided it is a calm day and no frost is expected. A period of at least 3-4 hours dryness is required after spraying. Spraying at this time of year has the following advantages. (1) Stock are not being grazed at this time and therefore no loss of grazing days is incurred. (2) Any clover checked by the spray will have time to recover.

Golf Courses, Sports Fields etc.: Apply 2.8 litres per hectare in 90-180 litres of water from May to September when weeds are growing actively - avoid overlap which may scorch.
Knapsack: Apply 50 mls per 5L of water in a knapsack sprayer to treat 180m² for daisies, dandelions, etc.

WEED SUSCEPTIBILITY TABLE: AMENITY GRASSLAND & MANAGED AMENITY TURF

WEEDS	RATE/HA 2.8 L (2pts / ac)	COMMENTS
Creeping buttercup (<i>Ranunculus repens</i>), Mouse-ear hawkweed (<i>Hieracium pilosella</i>), Plantains (<i>Plantago sp.</i>), Thrift (<i>Armeria maritima</i>).	2.8 L (2pts / ac)	Susceptible (Consistently killed by one application)
Bulbous buttercup (<i>Ranunculus bulbosus</i>), Cats-ear (<i>Hypochaeris radicata</i>), Common chickweed (<i>Stellaria media</i>), Common ragwort (<i>Senecio jacobaea</i>), Common sorrel (<i>Rumex acetosa</i>), Curled dock (<i>Rumex crispus</i>), Daisy (<i>Bellis perennis</i>), Dandelion (<i>Taraxacum officinale</i>), Dwarf thistle (<i>Cirsium acule</i>), Hawkbits (<i>Leontodon sp.</i>), Heath bedstraw (<i>Galium saxatile</i>), Marsh pennywort (<i>Hydrocotyle vulgaris</i>), Sea-milkwort (<i>Glaux maritima</i>), Sheep's sorrel (<i>Rumex acetosella</i>), Smooth hawk's-beard (<i>Crepis capillaris</i>), Stork's-bills (<i>Erodium sp.</i>)	2.8 L (2pts / ac)	Moderately Susceptible (Sometimes killed by one application, but may require a further application of an alternative product to give complete control.)
Common mouse-ear (<i>Cerastium holosteoides</i>), Creeping cinquefoil (<i>Potentilla reptans</i>), Lesser celandine (<i>Ranunculus ficaria</i>), Procrumbent pearlwort (<i>Sagina procumbens</i>), Selfheal (<i>Prunella vulgaris</i>), Silverweed (<i>Potentilla anserina</i>), Yarrow (<i>Achillea millefolium</i>).	2.8 L (2pts / ac)	Moderately Resistant (Some effect from one application, but often requires two or three further applications of alternative products to give adequate control)

GENERAL PRECAUTIONS AND REMARKS

Do not use more than the recommended quantities of "Mortox 50". Do not apply "Mortox 50" in the close vicinity of flowers, vegetables, and other beneficial plants or bushes which may be injured by spray. Weather is a very important factor. When spraying Ragwort in the winter months, a good day, with no wind or rain, is vital for the success of "Mortox 50". Rain or frost too soon after spraying will affect the result. At least 3-4 hours dry weather are needed after spraying.

Our products are formulated and manufactured to the highest commercial standards and we believe them to be suitable for the purpose stated, but as we do not exercise control over the application, no warranty of any kind is made as to the quality or fitness of our goods and no responsibility will be accepted by the manufacturer or seller for damage arising either directly or indirectly from their storage, application or use.