

Caution

KEEP OUT THE REACH OF CHILDREN

CHEMAGRO

AMITROLE 40AC
HERBICIDE

For the control of Couch Grass, Californian Thistle, other susceptible
Perennial Weeds and Brushweeds in Urban, Horticultural
and Forestry Situations.

Active Ingredient:

Contains 400g/litre amitrole in the form of a soluble concentrate.

Registered pursuant to the ACVM Act 1997, No. P 2368

See www.nzfsa.govt.nz/acvm/ for registration conditions.

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PLEASE READ THE LABEL COMPLETELY BEFORE USE

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GENERAL INFORMATION:

Chemagro Amitrole 40AC is a NON-hormone, non-selective herbicide which is readily translocated within treated plants. Because of its relatively short soil life, Chemagro Amitrole 40AC may be used in areas where crops are to be sown four to six weeks following treatment. Chemagro Amitrole 40AC should be applied during fine, still weather when weeds are actively growing. Avoid spraying if rain is imminent.

FIRST AID:

If swallowed do NOT induce vomiting. For advice contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water.

DIRECTIONS FOR USE:

Chemagro Amitrole 40AC controls: couch, speedwells, Californian thistle. In addition gives good control of many grasses and broadleaf weeds including docks. Gives satisfactory control of gorse and broom, and temporary control of blackberry under warm moist summer growth conditions. Gives poor control of buttercups, cleavers, watercress, plantains, sheep's sorrel and prostrate amaranth.

Couch Grass:

Use 15-20 litres of Chemagro Amitrole 40AC per hectare in sufficient water to give complete spray coverage. It is advisable to use fan tips through a standard hydraulic boom using a minimum of 180 litres/hectares of water. Use the higher rate of amitrole for sod bound couch in heavy soils. As amitrole is absorbed mainly by the foliage and only to a slight extent through the roots, couch grass should be allowed to form the maximum amount of leaf before spraying. Treated couch should not be ploughed under for two or three weeks.

Soil Residues:

Chemagro Amitrole 40AC can be used in areas where crops are to be grown 4-6 weeks following treatment. Ploughing to completely invert the soil, followed by surface cultivation is normally sufficient to bury and disperse Chemagro Amitrole 40AC residues.

Control of Weeds around Fruit Trees, Kiwi Fruit, and Established Vineyards:

Broadcast Treatment:

Use 8-10 litres in 400-600 litres of water per treated hectare.

Spot Treatment:

Use 1 litre per 100 litres of water.

Knapsack Treatment:

Use 100 ml per 10 litres of water and apply to 100 square metres.

NOTE

Apply as a directed spray around the base of established trees or vines when weeds are small and actively growing.

Avoid run-off and needles soil contamination.

Do not spray foliage.

Treat grapes while dormant and before bud burst.

Apply to pip-fruit before fruit set and again after harvest.

Kiwi Fruit:

Do not apply within 9 weeks of harvest.

Do not spray around plants less than 3 years old unless local experience has proven to be safe.

For longer term weed control:

Use Chemagro Amitrole 40AC in combination with Chemagro Simazine 50FL.

Chemagro Amitrole 40AC is compatible with a wide range of herbicides such as Karmex DF, Caragard, and Paraquat.

Always consult the product label for use directions before mixing in combination.

Do not mix with Chemagro Dalapon when using around fruit trees or vines.

Weeds in Drains:

Spray with 1 litre per 100 litres water to give slow check to vegetation. For greater effect and kill combine with other herbicides.

Where grasses are dominant add Chemagro Dalapon at 1 kg per 100 litres. For better control of watercress, buttercups, docks and other weeds, add 2,4D or MCPA. For difficult to control weeds, ie, paspalum, the rate of Chemagro Amitrole 40AC can be raised to 2 litres per 100 litres water. In general complete control of vegetation is not desirable because of the danger of banks collapsing or eroding. The use of other herbicides may be needed occasionally where weeds resistant to Chemagro Amitrole 40AC, or Chemagro Dalapon can occur.

Weeds in Fencelines and on Driveways:

Use 1.2 litres of Chemagro Amitrole 40AC plus 1 kg of Chemagro Dalapon in 100 litres water. Spray weeds to give good coverage of the foliage. Where sheep's sorrel or docks are present use the higher rate of Chemagro Amitrole 40AC. Residual herbicides such as Karmex DF or Caragard maybe applied with Chemagro Amitrole 40AC to give control of weeds as they germinate.

Home Gardens:

(Small Sprayers) spray couch and other susceptible weeds at the rate of 16 ml Chemagro Amitrole 40AC per litre of water. Ensure that couch has grown the maximum possible leaf before spraying. Keep spray drift off useful surrounding vegetation.

Weeds in Asparagus:

Use 8-10 litres per hectare of Chemagro Amitrole 40AC after cutting is finished for control of perennial weeds only, eg. couch and Californian thistle. Do not apply during the cutting season. Application during the fern stage will cause severe crop damage. For extended control of annual weeds use other herbicides.

Addition of Wetting Agent:

Not normally required. However under exceptional circumstances a non-ionic type such as multi film-extra may be added.

URBAN & HORTICULTURAL BRUSHWEED SITUATIONS:**Mechanical Operations:**

Where convenient, re-sow sprayed ground 2-3 months after spraying. If conditions allow, sprayed bushes should be burnt and or mechanically destroyed during the following spring. At brushweed application rates Chemagro Amitrole 40AC is a total vegetation control herbicide.

Second Spraying:

Incompletely killed sprayed plants which have been left standing, or regrowth appearing after burning etc, should be sprayed the following summer (at the most susceptible growth stage) at the lower end of the recommended rates. Blackberry control is usually unsatisfactory from just one spraying, and cane destruction should be done with subsequent respraying as necessary.

Climatic Conditions:

The use of Chemagro Amitrole 40AC for brushweed control is normally confined to those areas where brushweeds have good summer growth with adequate soil moisture.

RECOMMENDATIONS FOR USE ON BRUSHWEEDS:

	Gorse	Broom	Blackberry
Ideal Stage to Spray (Plants should be actively growing. Established plants may require a heavier rate. Warm humid spraying conditions are advisable.)	November to January incl. After burning or first spray, spray seedling gorse or stump regrowth before plants are 5 months old. Established gorse is most susceptible when making lots of soft new growth which can be hand held. Plants should have little or no flowers or seed pods.	December & January As young as possible after flowering while pods are still green.	December & January In full leaf after burning or first spray, spray seedling regrowth canes at the optimum time about January.
Method of Application Hand-Gun High Volume	All Stages depending on age of plants. Apply:	All Stages depending on age of plants. Apply:	All Stages depending on age of plants. Apply:
Chemagro Amitrole 40AC	2 litres/100 litres	2 litres/100 litres	1.5-2 litres/100 litres
Water Rate	1100-2200 litres/hectare	1100-2200 litres/hectare	1100-2200 litres/hectare
Pressure Range	Minimum 700kPa deal 1400-2000 kPa	Minimum 700kPa Ideal 1400-2000 kPa	Minimum 700kPa Ideal 1400-2000 kPa
Ulvapron anti-evaporant	Apply: 500ml - 1 litre/100 litres	Apply: 500ml - 1 litre/100 litres	Apply: 500ml - 1 litre/100 litres
Marker Dyes	Desirable for accuracy but not essential.	Same as for gorse.	Same as for gorse.

Surrounding Beneficial Vegetation:

Although many plants show useful tolerance to amitrole, every care should be taken to ensure that spray reaches target areas. Spray when the wind direction is away from desirable plants. In order to increase spray penetration and coverage, the use of anti-evaporant adjuvant oil Ulvapron is recommended. For especially sensitive areas, use the minimum effective rate of pressure through a Hand-Gun.

Mixing:

Chemagro Amitrole 40AC mixes readily with water. When using Ulvapron in the mixture, first add the Chemagro Amitrole 40AC to the half-filled spray tank and mix well. Next add the required amount of Ulvapron to the spray mixture while topping up with water. Maintain good agitation while spray remains in the spray tank. Do not mix Chemagro Amitrole 40AC concentrate and Ulvapron together first. Apply the spray mixture as soon as possible after mixing.

FORESTRY USE - GRASS & THISTLE CONTROL IN NEWLY SOWN RADIATA PINE STANDS:**Broadcast Application:**

Apply Chemagro Amitrole 40AC at the rate of 3 litres/hectare in combination with Chemagro Atrazine 50FL at the rate of 10 litres/hectare in 350-450 litres of water. When planting occurs during late July/early August, spraying should be done before active spring growth begins, not later than September. Accurate application is essential.

Spot Treatment:

Apply Chemagro Amitrole 40AC through suitable hand equipment at the rate of 0.3ml plus 1ml Chemagro Atrazine 50FL per metre of sprayed area in sufficient water to give good coverage. Absolute accuracy is vital because chemical is being applied over trees.

WARNING - MAY BE HARMFUL IF SWALLOWED.**PRECAUTIONS:**

Store in original container, tightly closed away from foodstuffs.

Avoid contact with skin and inhalation of spray mist.

When mixing or applying, wear waterproof gloves.

Do not eat, drink or smoke while using.

Wash hands and face before meals and after work.

Dispose of empty container safely.

Avoid contamination of any water supply with chemical or empty container.

Avoid spray drifting on to surrounding vegetation.

Avoid contamination of seeds, fertilisers and other pesticides.

Surplus spray liquid and washings from the equipment should not be disposed of on cropping land or in streams.

Application to drains, ditches, and irrigation channels must only be made when these waterways are dry and at least one month is allowed to elapse before the channels are used for carrying water.

Shelf Life:

When stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

CONDITION OF SALE:

This is a high quality product suitable for the purposes given above but as Chemagro (NZ) Limited cannot exercise control over mixing or application, all conditions and warranties as to its use for any purpose are excluded and no responsibility will be accepted by Chemagro (NZ) Limited for any damage or injury whatsoever from its storage, handling or application.

D.O.M:

BATCH NO.:

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