

WARNING

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING



racle®

HERBICIDE

Contains: 380g/litre oxadiazon in the form of a suspension concentrate

Selective herbicide for weed control in
certain fruit crops, onions, and shelterbelts

NET CONTENTS: 20 LITRES

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Approved pursuant to the HSNO Act 1996, No HSR100445

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

Registered pursuant to the ACVM Act 1997, No. P008453

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

Lonza

PLEASE READ THE ENTIRE LABEL BEFORE MIXING OR USE. SHAKE WELL BEFORE USE.



HSNO CLASSIFICATION: 6.4A, 6.7B, 6.8B, 6.9B, 9.1A, 9.2A, 9.3C

TOXIC: Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure.

FIRST AID: IF exposed or concerned: Call a POISON CENTER/doctor/physician/first aider. For advice contact the National Poisons Centre 0800 POISON (0800 764 766). IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Take off contaminated clothing and wash it before reuse.

PERSONAL PROTECTION: Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke while using this product. Contaminated work clothing should not be allowed out of the workplace.

ECOTOXIC: Very toxic to aquatic life with long lasting effects. Avoid contamination of any water supply with product or empty container. Very toxic to the soil environment. Harmful to terrestrial vertebrates.

STORAGE: Store locked up. Store in original container, tightly closed and in a dry, cool area away from foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals.

DISPOSAL: Triple rinse empty container placing rinse water in the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot or crush and bury in an approved landfill. Dispose of product only by using according to this label, or at an approved landfill or disposal facility.

SPILLAGE: Wear appropriate protective clothing. Exclude all bystanders from the vicinity of the spill, and prevent material from entering waterways.

Contain liquid spills and absorb with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

SAFETY DATA SHEET: Additional information is listed in the Safety Data Sheet available from Lonza NZ Limited or www.lonza.co.nz

QUALIFICATION REQUIREMENTS: Persons mixing, loading, applying, or otherwise handling this product must meet qualification requirements as set out in the current EPA Hazardous Substances (Hazardous Property Controls) Notice.

RECORD KEEPING: Records of use must be kept in accordance with the current Health and Safety at Work (Hazardous Substances) Regulations.

GENERAL DIRECTIONS: Oracle is a residual pre-emergence herbicide recommended for the control of grass and broad-leaved weeds in onions and certain fruit crops. It has little knockdown activity so other methods must be used to ensure a weed free crop prior to application. Oracle will give control of many broad-leaved and grass weeds for up to six weeks.

WEEDS CONTROLLED: Annual poa, Barley grass, Barnyard grass, Bittercress, Black nightshade, Broad-leaved plantain, Browntop, Cleavers, Cornbind, Creeping buttercup, Crested dogstail, Crowfoot grass, Cut-leaved geranium, Docks, Fathen, Field speedwell, Fumitory, Galinsoga, Giant buttercup, Green bristle grass, Groundsel, Italian ryegrass, Kentucky bluegrass, Mouse-ear chickweed, Narrow-leaved plantain, Nettle, Oxalis corniculata, Oxalis latifolia, Oxalis stricta, Paspalum, Perennial nettle, Portulaca, Rough-stalked meadow grass, Red clover, Red deadnettle, Redroot, Scrambling fumitory, Scrambling speedwell, Shepherd's purse, Small-flowered geranium (Doves foot), Smooth witchgrass, Sowthistle, Spurrey, Stinking mayweed, Subterranean clover, Suckling clover, Summer grass, Sunspurge, Timothy grass, Twincress, White clover, White deadnettle, Wild turnip, Willow weed, Wireweed, Witchgrass, Yorkshire fog.

WEEDS PARTIALLY CONTROLLED: Greater bindweed Scotch thistle Small-flowered mallow Field pansy.

RESISTANT WEEDS: Chickweed, Pearlwort and most rhizomatous weeds will not be controlled.

WHEN TO APPLY: For maximum effectiveness Oracle must be applied to bare soil before weed emergence. It is important after treatment not to disturb the soil surface by cultivation. Activity is dependent on adequate moisture being present at the soil surface, irrigation is recommended during dry conditions. Oracle acts best on young plants up to the 2 leaf stage. Older plants are more resistant and may suffer only a slight check. Post-emergence application can be made to Oxalis spp and cleavers or field bindweed plants with stems less than 30cm in length. Apply in late winter or very early spring onto moist soil.

NOTE: Oracle must not be incorporated into the soil. Do not plant seed or transplant sensitive crops into treated soil within 90 days of applying Oracle. Oracle must not be used in or on covered crops.

APPLICATION RATES: Onions: Use 2 litres Oracle per hectare, apply to a weed-free crop when the onions have developed 4 leaves, ensure good leaf wax is present. Under soft growing conditions, for better crop tolerance, apply two applications of 1 litre per hectare at 21 day intervals between the 4-6 leaf growth stage.

Other Crops: Use 4 litres Oracle in a minimum of 600 litres of water/hectare as a directed spray. Use low pressure (less than 150kPa) to minimise drift. Ensure complete spray coverage of the soil surface and/or target weeds.

Pip and Stone Fruits, Brambles, Raspberries, Bushfruit and Shelterbelts: Directed applications avoiding spray contacting buds or foliage should be made to bare soil beneath the bushes or trees before bud-burst or 2-4 weeks after fruit set.

Vineyards: Directed applications should be made to bare soil beneath the vines using suitable equipment. Treat before budburst or after the vines have developed 10 leaves per shoot. Do not treat young vines in the year of planting until growth has reached the first wire. A second application can be made if the residual film is disturbed and weeds start to emerge, avoiding spray drift onto foliage.

MIXING: Half fill spray tank with water, with agitation running, add the required amount of Oracle, top up with water and agitate thoroughly before use.

EQUIPMENT: Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409). Flush spray equipment thoroughly with water after use.

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

Withholding Period: 60 days.

RESISTANCE MANAGEMENT: **GROUP E HERBICIDE** Oracle contains oxadiazon, an oxadiazole herbicide that inhibits protoporphyrinogen oxidase.

Certain weed biotypes resistant to Oracle and related group E herbicides could exist or develop due to natural genetic variation. To minimise the risk of any resistant plants dominating the weed population use strictly in accordance with label instructions. Do not use group E herbicides exclusively and follow sound resistance management strategies. For further information see www.resistance.nzpps.org

NOTICE TO BUYER: The manufacturer and vendors of Oracle warrant the formulation to contain the specified active ingredient within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not.

REGISTERED TO: Lonza NZ Limited, Hudson Rd, New Plymouth, New Zealand.

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