

**HARMFUL, ECOTOXIC**  
**KEEP OUT OF REACH OF CHILDREN**

Lonza

**Dodine** 400



**FUNGICIDE**

Contains: 400g/litre dodine in the form of a suspension concentrate

**Protectant fungicide for the control of black spot on apples,  
pears and roses, and leaf curl in nectarines and peaches**

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

**HAZARD CLASSIFICATIONS:** 6.1D, 6.3A, 6.4A, 6.9B, 9.1A, 9.3C, 9.4C

**APPROVED HANDLER:** This product must be under the control of an approved handler during use. See SDS for full details.

**RECORD KEEPING:** Records of use must be kept under certain circumstances. See SDS for full details.

**WARNING:** May be harmful if swallowed, inhaled or absorbed through the skin. May cause skin and eye irritation. Avoid contact with skin or eyes. May cause organ damage from repeated oral exposure at high doses.

**FIRST AID:** If swallowed, DO NOT induce vomiting. Give nothing by mouth. Take to hospital without delay. If skin contact occurs remove contaminated clothing and wash affected areas of skin. DO NOT scrub the skin. Get medical attention if irritation persists. If splashed in eye, hold lids open and flush with water for 15 minutes. Take to hospital immediately. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

**PERSONAL PROTECTION:** When mixing or applying wear eye protection, chemical resistant gloves, boots and cotton overalls buttoned to the neck and wrist. Do not eat, drink or smoke while using. Wash hands and face before meals and after work. Wash protective clothing daily after work.

**ECOTOXICITY:** Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Harmful to terrestrial vertebrates and terrestrial invertebrates.

**STORAGE:** Store at ambient temperature not higher than 25°C. Store in original container, tightly closed, away from foodstuffs.

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

**SAFETY DATA SHEET:** Additional information is listed in the SDS available from Lonza NZ Limited or [www.lonza.co.nz](http://www.lonza.co.nz)

**Approved pursuant to the HSNO Act 1996,** No: HSR000494. See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

**Registered pursuant to the ACVM Act 1997,** No: P005873 See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

#### DIRECTIONS FOR USE

**It is an offence to use this product on animals.**

CROP	DISEASE	RATE	DIRECTIONS FOR USE
APPLES	Black spot	40 - 80 ml/100 litres of water	Apply from late dormancy to late pink. The green tip spray may be applied in combination with a suitable spraying oil. Then apply at 7-10 day intervals or closer if conditions favour infection. Use the higher rate where severe blackspot infection pressure is known to exist. Use after warm rains which favour infection and when normal protective cover sprays have been removed by rain. Russetting may occur under cold or slow drying conditions over flowering and during early fruit set. The resistance management strategy advises to apply no more than four total applications per season and no more than two consecutively.
NECTARINES AND PEACHES	Leaf curl	150 ml/100 litres of water	Apply at bud-movement to pink stage. Apply twice at 7-10 day intervals.
PEARS	Black spot	120 ml/100 litres of water	Apply from late dormancy to petal fall. Then apply cover sprays at 80-120 ml /100 litres depending on infection pressure. Use higher rate where severe black spot infection pressure is known to exist. Apply at 7-10 day intervals depending on the weather. Use as soon as possible after rain. The green tip spray may be applied in combination with a suitable spraying oil.
ROSES	Black spot	10 ml/10 litres of water	Apply at 7-10 day intervals from October to March. For motorised knapsacks use 30 ml /10 litres water. Use the middle restrictor setting and operate at sufficient throttle to give small droplets. Lightly move foliage in the air stream.

**CROP CAUTION:** DO NOT use on apples or pears during or immediately following very cold conditions or during slow drying conditions as russet injury may result. Quinces are subject to foliar injury from dodine.

**RAINFALL:** Rain within 3 hours following treatment may reduce effectiveness. Following heavy rain, earlier retreatment is recommended.

**COMPATIBILITY:** It is recommended that Lonza Dodine 400 not be combined with any other pesticide as flocculation may occur. If mixtures must be used test the combination before use and apply immediately. DO NOT combine with strongly alkaline materials such as hydrated lime or Bordeaux mixture.

**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.**

**WITHHOLDING PERIOD:** Apples and pears 14 days. Nectarines and peaches - DO NOT apply after the start of flowering.

**RESISTANCE MANAGEMENT:** **GROUP U12 FUNGICIDE** Lonza Dodine 400 contains a guanidine fungicide with multi-site contact activity (cell membrane disruption proposed) mode of action. Some naturally occurring individual disease causing fungi may become resistant to dodine and related group U12 fungicides. To minimise the risk of these resistant strains dominating the population use strictly according to this label and resistance management strategies that exist for any disease listed on the label. Products containing fungicides from alternative mode of action groups should be used in the spray program. [www.resistance.nzpps.org](http://www.resistance.nzpps.org)

**NOTICE TO BUYER:** The manufacturer and vendors of Lonza Dodine 400 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.