



Antagon[®]

A protectant **FUNGICIDE** for the control of black spot on apples, pears and roses.

<u>Active Ingredient:</u>	400g/litre dodine in the form of a suspension concentrate.
<u>Chemical Group:</u>	Guanidine Derivative
<u>Formulation:</u>	Suspension Concentrate
<u>Pack Size:</u>	10 Litre
<u>Compatibility:</u>	Do not combine with Azinphos Methyl 35F, Diazinon 50W, Orthocide WDG, hydrated lime or Bordeaux mixture. Combinations with emulsifiable concentrates should be tested before use. Flocculation may occur with Carbaryl 50F, Orthocide 48F and calcium nitrate, but it is normally dispersed with agitation. Flocculation can be more severe if using combinations of several products, or where water is hard, or in concentrated spray mixtures.

Antagon[®] is a high-quality dodine-based Black spot fungicide, which is marketed globally. It is performance-proven in NZ and throughout the world in many key apple-producing countries.



Antagon[®] offers highly cost-effective Black spot control, with many key benefits:

- Excellent Black spot control ✓
- Locally **systemic** ✓
- **48-hour reach-back** ✓
- **Anti-sporulant** activity ✓

Mode of action: A protectant fungicide with specific activity against black spot. It is locally systemic, penetrating and spreading through the leaf. Has a 48 hour reach-back effect and anti-sporulant activity. Good spray coverage is important.

RESISTANCE MANAGEMENT: Antagon is a **GROUP M7 FUNGICIDE** from the Guanidine fungicide group. Resistance to this fungicide may develop from excessive use. To minimise this risk use strictly in accordance with label instructions and resistance management strategies that exist for any fungus listed on the label. Do not make more than three applications per season, preferably in alternation with other compounds.

IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS.

DIRECTIONS FOR USE: Invert container and shake well before use.

The rates suggested are for high volume spraying to just before run-off. For concentrate spraying adjust the dilution rate accordingly. Use the higher rate and/or shorter spraying intervals when disease pressure is high.

Mixing: When filling the spray tank wash the correct amount of Antagon through the “filler screen”, or thoroughly pre-mix in a bucket and pour into the partly filled tank through the filler screen. Keep agitated during use. Agitate thoroughly after a stoppage before recommencing spraying.

NOTE: Where combination sprays of Antagon and emulsifiable spraying oils are to be used – half fill the spray tank with water. Add the correct amount of Antagon. With the agitator running add the spraying oil last as the tank is being topped off with the remaining water.

APPLES: Black Spot

Greentip: Use 80ml per 100 litres of water. This spray may be applied in combination with a suitable spraying oil.

Tightcluster: Use 80ml per 100 litres of water. Spray every 10-14 days until first cover.

NOTE: The use of close interval spraying (5-7 days) is recommended where black spot has been a problem or where the weather favours high risk black spot infection periods (i.e. after rain, or where leaves and fruit remain wet during humid weather).

Second Cover – harvest: Use 40-80ml per 100 litres of water depending on the weather. Spray every 14-21 days if the crop is clean and the weather is fine, otherwise every 10-14 days.

PEARS: Black Spot (See apples for general comments)

Greentip: Use 120ml per 100 litres of water. Combine with a suitable spraying oil if required.

Seven days later, and every 7- 10 days until first cover:

Use 120ml per 100 litres of water.

Second cover until harvest:

Use 80-120ml per 100 litres of water depending on the weather.

ROSES: Black Spot

Use 10ml per 10 litres of water. Spray at 10-14 day intervals from bud burst to March. For motorised mist blower knapsacks: Use 30ml per 10 litres of water. Use middle settings on the restrictor and operate at sufficient throttle to give small droplets. Lightly move all foliage in the air stream.

Susceptible Crops:

Antagon should not be used on apples and pears during or immediately following very cold conditions or very dry conditions, or under slow drying conditions as russet injury may result.

Rainfall:

Rain within 3 hours following treatment may reduce effectiveness. Following heavy rain earlier re-treatment should be considered.

COMPATIBILITY:

Do not combine with Azinphos Methyl 35F, Diazinon 50W, Orthocide WDG, hydrated lime or Bordeaux mixture. Combinations with emulsifiable concentrates should be tested before use. Flocculation may occur with Carbaryl 50F, Orthocide 48F and calcium nitrate, but it is normally dispersed with agitation. Flocculation can be more severe if using combinations of several products, or where water is hard, or in concentrated spray mixtures.

IT IS AN OFFENCE FOR USERS OF THIS PRODUCT TO CAUSE RESIDUES EXCEEDING THE RELEVANT MRL IN THE NEW ZEALAND (MAXIMUM RESIDUE LIMITS OF AGRICULTURAL COMPOUNDS) FOOD STANDARDS.

Withholding Period:

Apples, Pears – 14 days.