Fact Sheet

MIRAGE® Fungicide

An Emulsifiable Concentrate (EC) containing 450 g/litre prochloraz

MIRAGE is a systemic fungicide for control of various foliar diseases in avocados, cereals and radiata pine seedlings. Prochloraz is an imidazole fungicide in the DMI group of EBI fungicides. MIRAGE has translaminar movement in the leaf and controls fungi by disrupting cell wall development.

MIRAGE is best used as a protectant to prevent disease establishment but has some curative activity against early stage infection. It should be applied at or before first appearance of disease symptoms. On very susceptible crops and cultivars, known to get disease in most seasons, apply MIRAGE as a protectant as soon as weather patterns known to encourage disease occur.

DIRECTIONS FOR USE:

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<th>CROP</th>
<th>DISEASE</th>
<th>USE RATE and CRITICAL COMMENTS</th>
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| Avocados       | Anthracnose      | **Post harvest dip**: 110 ml/200 litres water  
Immerse fruit for 30 seconds. Treat no more than 2 tonnes of fruit (approx 400 packed trays) per 200 litres of dip solution. Discard used dip solution and replace if more fruit are to be treated.  
**Post harvest spray**: 55 ml/100 litres water  
Spray fruit for 1 minute in a non-recirculation system. Do not reuse solution.  

**Note**: Thorough coverage of the fruit is essential. Treat fruit at ambient temperature as soon as practical after picking. After treatment allow fruit to drain and dry before packing. The rate at which the active ingredient is removed is unknown therefore discarding used dip/spray solution is essential. Dirty fruit should be dipped last. Do not treat visibly diseased fruit.

| Barley, Wheat | Eyespot           | 1.0 litre/Ha  
Apply from mid to late tillering (Zadoks GS 26) to flag leaf just visible (Zadoks GS 37).  
Glume blotch  
Apply as soon as the flag leaf ligule is visible to protect the flag leaf against infection.  
Ear disease complex  
Apply when the ear is fully emerged (Zadoks GS 58).

| Barley         | Leaf scald, Net blotch, Spot blotch | Apply at the first signs of disease or as a preventative treatment, when conditions favour infection.  

| Wheat          | Speckled leaf blotch | Apply as a preventative treatment between first true leaf (Zadoks GS 11) and tillering (Zadoks GS 21) or at the first signs of infection. A second application may be required at ear emergence (Zadoks GS 51) to protect the flag leaf.  

| Radiata Pine seedlings | Terminal  
Crook disease | 1.5 litres/Ha  
Apply as a protectant spray at 7-14 day intervals. Use the shorter spray interval under severe infection pressure.
WITHHOLDING PERIOD

| Barley and Wheat | 42 days |

For wheat and barley, where symptoms of more aggressive diseases occur later in the season or on very susceptible crops and cultivars, or under weather conditions which encourage epidemic infection, the use of ORIUS® is suggested, with or without a strobilurin partner product. Refer to the ORIUS label or Fact Sheet for further information.

APPLICATION:
Use conventional application equipment and sufficient water to obtain complete coverage.

Ground application
Use a minimum of 200 litres water/Ha. Increase the water rate on dense crops and at later crop stages. A minimum spray pressure of 300 kPa and a droplet size of 150-300 microns is suggested.

Aerial application
Apply in sufficient water to ensure more than 20 droplets/square centimetre on all leaves. To achieve this use at least 50 litres/Ha of spray mix and a droplet size in the 150-200 micron range. As there are many factors involved in aerial application, contact a representative for detailed information.

COMPATIBILITY:
This product is compatible with most commonly used herbicides, fungicides and insecticides. Do NOT mix with strongly alkaline materials such as Bordeaux mixture and lime sulphur. When used in mixtures care should be taken not to compromise timing or method of application for all components of the tank mix. Do NOT use in mixtures when treating avocados.

RAINFALL:
DO NOT apply if rain is likely to fall within 2 hours following treatment.

AQUATIC ORGANISMS CAUTION:
MIRAGE is toxic to aquatic organisms so a strategy to minimize spray drift should be used at all times when applying spray near aquatic environments.
RESISTANCE:
Resistance to this and other DMI fungicides may develop from excessive use. To minimise this risk use strictly in accordance with label instructions. Apply a maximum of three DMI applications per crop (including seed treatment) at full recommended label rates. Since the occurrence of resistant fungi is difficult to detect prior to use, Adama New Zealand Ltd accepts no liability for losses that may result from the failure of this product to control resistant fungi.

IMPORTANT: This is not the registered label. Always read the label before using this product and follow label instructions.
For specialist advice in an EMERGENCY call 0800 734 607 (all hours).

MIRAGE is registered pursuant to the ACVM Act 1997, No. P7240. See www.foodsafety.govt.nz for registration conditions. Approved pursuant to the HSNO Act 1996, Approval No. HSR000599. See www.epa.govt.nz for approval controls. HSNO Classifications 3.1C, 6.1D, 6.3B, 6.8B, 6.9B, 8.3A, 9.1A, 9.3C
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Release date: 07 September 2006