

DIRECTIONS FOR USE:**RESTRAINTS:**

DO NOT store treated seed for more than 6 months before sowing.

CROP	DISEASE	STATE	RATE	CRITICAL COMMENTS
Beetroot	Damping-off	All States	200g/100kg of seed	Apply as a dust or slurry before sowing.
Carrots			400g/100kg of seed	
Cotton		NSW & QLD only	85g/100kg of seed	
Lucerne		All states	200g/100kg of seed	
Maize, Sweet Corn	Downy Mildew	NT, QLD, TAS, WA only	300g to 500g / 100kg of seed	Apply as a slurry before sowing. Use rates towards the lower end of the range when resistant varieties are being sown. Treated Maize seed can be stored up to 18 months provided it is kept in cool storage during this period.
Peas	Damping-off	All States	150g/100kg of seed	Apply as a dust or slurry before sowing.
	Downy Mildew	NSW, TAS, WA only		
Radishes	Downy Mildew	NSW, QLD, TAS only	350g/100kg of seed	
Soybeans	Phytophthora Stem Rot, Damping-off	NSW, QLD, TAS only	300g/100kg of seed	Apply as a dust or slurry before sowing. Varieties of high susceptibility to the disease may become infected after 3-4 weeks if conditions favour the disease infection.
Subterranean clover	Damping-off	All States	200g/100kg of seed	Apply as a dust or slurry before sowing.
Chickpeas	Phytophthora Root Rot (<i>Phytophthora megasperma</i>)	NSW, QLD, VIC only	150g/100kg of seed	Apply as a dust or slurry before sowing. It is preferable to apply Mantle as a slurry. Apply Chickpea Rhizobium inoculum separately from Mantle as mixing with inoculum in a slurry reduces nodulation.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD:

NOT REQUIRED WHEN USED AS DIRECTED

GENERAL INSTRUCTIONS:

MANTLE only controls damping-off diseases caused by Pythium and Phytophthora and provides control of Stem Rot caused by Phytophthora for 3-4 weeks after emergence. MANTLE will not control Damping-off caused by Rhizoctonia, Fusarium or other fungi.

APPLICATION:**Treatment in small lots by the farmer**

May be applied by shaking with seed in a tin, enclosed drum or plastic bag.

1. Premix the seed with 5 mL to 10 mL of water per kg of seed for 1/2 to 1 minute.
2. Add the required quantity of Mantle to the moistened seed while continuing the mixing for a further 3 to 5 minutes. Stop the mixing process as soon as dust begins to develop.

Treatment of large seed lots by commercial seed-treating equipment

The product can be used as a slurry application on a large scale in specialised seed-dressing equipment. As for all such treatments, it is important to have a good flow and metering system for the initial prepared slurry. Depending on the type of seed treatment equipment it may be necessary to slightly increase the recommended amount of water to achieve optimal flow of the slurry.

Preparation of the slurry

1. Fill the slurry tank with the required volume of water. Use between 500 mL and 1L of water per 100 kg of seed.
2. Pour the required amount of Mantle onto the water surface.
3. Wait until the product has disappeared in the water without stirring.
4. Switch on the stirring system.
5. Use the slurry within 1 week of preparation.

FUNGICIDE RESISTANCE WARNING:**GROUP D FUNGICIDE**

MANTLE is a member of the Phenylamide group of fungicides. For fungicide resistance management MANTLE is a Group D fungicide.

Some naturally occurring individual fungi resistant to MANTLE and other Group D fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by MANTLE and other Group D fungicides, thus resulting in a reduction in efficacy and possible yield loss.

Since the occurrence of resistant fungi is difficult to detect prior to use, Crompton Specialties Pty Ltd accepts no liability for any losses that may result from the failure of MANTLE to control resistant fungi.

PRECAUTION: Do not use treated seed for animal or human consumption. Do not allow treated seed to contaminate grain/other seed intended for animal or human consumption. Do not feed treated seed, or otherwise expose, to wild or domestic birds.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT:

DO NOT contaminate streams, rivers, or waterways with the chemical or used containers. DO NOT feed treated seed to animals, including poultry.

STORAGE AND DISPOSAL:

Store in the closed, original container in a dry, cool, well ventilated area out of direct sunlight and away from food stuffs, drink containers, seeds, fertilizers and livestock. DO NOT repack or use container for any other purpose. Do not dispose of undiluted chemicals on site. Puncture or shred and bury empty containers in a local authority landfill. If no landfill is available, bury containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS:

Avoid contact with eyes and skin. Do not inhale dust or spray mist.

FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre (phone 131126).

CONDITIONS OF SALE:

Crompton Specialties Pty Ltd accepts responsibility for consistent quality of the product; however since the use and application of the product is beyond control, the company accepts no responsibility whatsoever for any loss, damage or other result following the use of the product whether used in accordance with directions or not; other than those mandatorily imposed by statutes, the liability is limited to the replacement of the goods and is conditional upon a claim made in writing and, where necessary, a sufficient part of the goods being returned for proper examination by the company within thirty days of sale.

<p>In a Transport Emergency Dial 000 Police or Fire Brigade</p>	<p>SPECIALIST ADVICE IN EMERGENCY ONLY Crompton Specialties Pty Ltd 1800 033 111 ALL HOURS-AUSTRALIA WIDE</p>
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NRA Approval No.: 52418/0300