

Mantle Fungicide Seed Dressing	Approved 0803
Company name/add ACT/FAI application 10-7-03	Page 1 of 8

500g Label

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

MANTLE®
FUNGICIDE SEED DRESSING
ACTIVE CONSTITUENT: 350 g/kg METALAXYL

GROUP	D	FUNGICIDE
-------	----------	-----------

For treatment of seed to control various
Fungal Diseases as specified in the
Directions For Use table.

IMPORTANT READ THE ATTACHED LEAFLET BEFORE USE

NET CONTENTS: 500 g

(Crompton logo)

Crompton Specialties Pty Ltd
3 Opala Street, Regency Park SA 5010
Tel: (08) 8268 5700 Fax: (08) 8268 7555

Mantle Fungicide Seed Dressing	Approved 0803
Company name/add ACT/FAI application 10-7-03	Page 2 of 8

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, ACT & 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, ACT, TAS, WA only		
Radishes	Downy Mildew	NSW, ACT, QLD, TAS only	350g/100kg of seed	
Soybeans	Phytophthora Stem Rot, Damping-off	NSW, ACT, 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, ACT, 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.

Mantle Fungicide Seed Dressing	Approved 0803
Company name/add ACT/FAI application 10-7-03	Page 3 of 8

1. Premix the seed with 5mL to 10mL of water per kg of seed for ½ 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 500mL and 1L of water per 100kg 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:



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. Triple or preferably pressure rinse containers before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Break, crush, or puncture and bury empty containers in a local authority landfill. If not available bury the containers below 500mm in a disposal pit. 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 Australia 131126.*

CONDITIONS OF SALE:

Crompton Specialties Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply or use of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Crompton

Mantle Fungicide Seed Dressing	Approved 0803
Company name/add ACT/FAI application 10-7-03	Page 4 of 8

Specialties Pty Ltd is limited to the replacement of the goods or (at the option of Crompton Specialties Pty Ltd) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Crompton Specialties Pty Ltd within thirty days of delivery.

In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY Crompton Specialties Pty Ltd 1800 033 111 ALL HOURS - AUSTRALIA WIDE
--	---

BN

DOM

NRA Approval No.: 52418/0803

Mantle Fungicide Seed Dressing	Approved 0803
Company name/add ACT/FAI application 10-7-03	Page 5 of 8

8.5 Kg label

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

MANTLE®
FUNGICIDE SEED DRESSING
ACTIVE CONSTITUENT: 350 g/kg METALAXYL



For treatment of seed to control various
Fungal Diseases as specified in the
Directions For Use table.

NET CONTENTS 8.5 kg

Contains 10 x 850g water soluble packs which it is illegal to sell separately.

DO NOT DESTROY BOX WHILE PRODUCT STILL REMAINS.

(Crompton logo)

Crompton Specialties Pty Ltd
3 Opala Street Regency Park SA 5010
Tel: (08) 8268 5700 Fax: (08) 8268 7555

Mantle Fungicide Seed Dressing	Approved 0803
Company name/add ACT/FAI application 10-7-03	Page 6 of 8

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, ACT & 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, ACT, TAS, WA only		
Radishes	Downy Mildew	NSW, ACT, QLD, TAS only	350g/100kg of seed	
Soybeans	Phytophthora Stem Rot, Damping-off	NSW, ACT, 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, ACT, 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 5mL to 10mL of water per kg of seed for ½ to 1 minute.

Mantle Fungicide Seed Dressing	Approved 0803
Company name/add ACT/FAI application 10-7-03	Page 7 of 8

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 500mL and 1L of water per 100kg 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 Australia 131126.*

CONDITIONS OF SALE:

Crompton Specialties Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply or use of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Crompton Specialties Pty Ltd is limited to the replacement of the goods or (at the option of Crompton Specialties Pty Ltd) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient

Mantle Fungicide Seed Dressing	Approved 0803
Company name/add ACT/FAI application 10-7-03	Page 8 of 8

part of the goods to enable proper examination being returned to Crompton Specialties Pty Ltd within thirty days of delivery.

In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY Crompton Specialties Pty Ltd 1800 033 111 ALL HOURS - AUSTRALIA WIDE
--	---

BN

DOM

NRA Approval No.: 52418/0803