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

TITAN
Procymidone 500
Fungicide

ACTIVE CONSTITUENT: 500g/L PROCYMIDONE

GROUP 2 FUNGICIDE

For the control of certain fungal diseases on various crops as per the Directions for use.

APVMA Approval No.: 65892/52791

Pack Size: 5L-200L

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IN A TRANSPORT EMERGENCY
DIAL 000
POLICE OR FIRE BRIGADE

TRANSPORT AND HANDLING
NOT A DANGEROUS GOOD
ACCORDING TO THE AUSTRALIAN
DANGEROUS GOODS (ADG) CODE
FOR TRANSPORT BY ROAD AND RAIL.
**DIRECTIONS FOR USE:**

In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the Mixing/Application section. For uses in this table, apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.

<table>
<thead>
<tr>
<th>CROP</th>
<th>DISEASE</th>
<th>STATE</th>
<th>RATE</th>
<th>WHP</th>
<th>CRITICAL COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canola</td>
<td>Sclerotinia Rot (Sclerotinia sclerotiorum)</td>
<td>ALL STATES</td>
<td>1L/ha Ground Application in 100L/ha water plus non-ionic surfactant (600g/L) at 20mL/100L water</td>
<td>9 days</td>
<td>Spraying should occur before petals begin to drop and preferably prior to rainfall event during the early-mid flowering stage of crop growth. Infection of canola stems and branches occurs when infected petals fall and lodge in the lower canopy of the plant, particularly during wet or humid conditions. The objective of TITAN Procymidone 500 Fungicide is to treat as many petals as possible prior to petal drop and before pods set. Application should, therefore, take place by 30% bloom (i.e. 30% of flowers open on the main stem), at which stage the maximum number of flowers are open at one time and little petal fall has occurred. Application should not be made after mid-flowering. For aeral application to a canola crop that is directly adjacent to a downwind paddock where grazing stock may be present, use coarse nozzle settings and observe a 20m buffer to that paddock in order to minimise drift.</td>
</tr>
<tr>
<td>Lentils</td>
<td>Grey Mould (Botrytis cinerea, Botrytis fabae)</td>
<td>ALL STATES</td>
<td>500mL/ha Apply in a minimum of 100L/ha water for ground application or 45L/ha for aerial application</td>
<td>21 days</td>
<td>Monitoring of crops for disease should commence at 6-8 weeks after crop emergence. Early application of fungicide is critical in restricting the development and spread of Grey Mould. The first application of TITAN Procymidone 500 Fungicide is recommended immediately prior to canopy closure to ensure good spray penetration into the crop. Subsequent monitoring of crop and environmental conditions will help determine timing of later applications. Other critical growth stages for disease control are: • Mid-flowering/early pod fill • End of flowering/late pod fill Later fungicide applications may be required if conditions are conducive to disease development. Apply no more than two consecutive sprays of TITAN Procymidone 500 Fungicide with fungicides with different modes of action. TITAN Procymidone 500 Fungicide will not provide effective control of Ascochyta Blight (Ascochyta lentis). For aerial application use medium to coarse nozzle settings in order to minimise drift.</td>
</tr>
<tr>
<td>Grapevines</td>
<td>Grey Mould (Botrytis cinerea)</td>
<td>ALL STATES</td>
<td>Dilute Spraying 75mL/100L Concentrate Spraying Refer to the Mixing/Application section</td>
<td>9 days</td>
<td>DO NOT use on table grapes or grapes used for the production of dried fruit. Use on wine grapes only. Apply at the following growth stages: 1. 80% cap fall. 2. Just prior to bunch closure. 3. At varaison (when sugar content rises). 4. 2-3 weeks pre-harvest. To ensure complete bunch wetting add Agra* at 10-20mL/100L. DO NOT apply at concentrate rates greater than 150mL/100L.</td>
</tr>
<tr>
<td>Stone Fruit</td>
<td>Blossom Bight (Monilinia laxa)</td>
<td>QLD, NSW, VIC, TAS, SA only</td>
<td>Dilute Spraying 50 to 75mL/100L Concentrate Spraying Refer to the Mixing/Application section</td>
<td>9 days</td>
<td>DO NOT APPLY AFTER SHUCK FALL. Apply at 10% blossom, full bloom, late petal and shuck fall. If weather conditions particularly favour Blossom Bight use higher rate.</td>
</tr>
<tr>
<td>Navy Beans</td>
<td>Sclerotinia Rot (Sclerotinia sclerotiorum)</td>
<td>QLD, NSW, VIC, SA, WA, NT only</td>
<td>100-150mL/100L</td>
<td>9 weeks</td>
<td>Use 1000L water/ha or 1-1.5L/ha. Apply in sufficient water to provide good coverage. Spray when 75% of plants first show open blossom and again 7 days later. Use the higher rate when disease pressure is high.</td>
</tr>
<tr>
<td>Faba beans</td>
<td>Chocolate Spot (Botrytis fabae)</td>
<td>NSW, VIC, TAS, SA, WA only</td>
<td>50mL/ha Ground Application in 100L/ha</td>
<td>9 weeks</td>
<td>Inspect crop regularly on the mid to lower leaves, where disease will occur first. Apply spray in the early stages of attack, i.e. 1-2 spots per leaflet and when weather conditions favour the disease. These are temperatures between 15 and 20°C (Tasmania 10-20°C) and moist humid conditions (66% RH and over). If these conditions recur, repeat applications at intervals of 2-3 weeks will be necessary to protect new growth.</td>
</tr>
</tbody>
</table>
### CRITICAL COMMENTS

**Garlic White Rot (Sclerotinia cepivorum)** 10mL/kg – QLD, NSW, VIC, TAS, SA, NT only

- **Pre-plant clove treatment:** Separate cloves, then add required amount of TITAN Procymidone 500 Fungicide and mix thoroughly.
- **Warning:** Soil persistence of TITAN Procymidone 500 Fungicide can be reduced under alkaline soil conditions.

**Potato Sclerotinia (Sclerotinia minor)** 500mL-1L/ha – ALL STATES

- **Apply at first spray just before hilling up.** Apply a second spray just after hilling. Direct these sprays towards the stem bases and soil surface. Apply in sufficient water to ensure thorough coverage. Use the higher rate in situations where high disease levels are expected. Supplementary applications of 1L/ha to foliage at 14-21 day intervals may be necessary if conditions favour further development of diseases.
- **Note:** 1. DO NOT spray directly over exposed seed in furrows before covering with soil.
- **Warning:** Soil persistence of TITAN Procymidone 500 Fungicide can be reduced under alkaline soil conditions.

**Ornamentals Sclerotinia Rot (Sclerotinia sclerotiorum)** 75-100mL/100L of water – NSW only

- **Apply to run-off.** Use the higher rate when disease is severe.
- **DO NOT** apply to African Violet flowers.

**Onions White Rot (Sclerotinia cepivorum)** 20mL/kg seed – QLD, NSW, VIC, TAS, SA, NT only

- **Seed Treatment**
  - a) Apply 20mL of TITAN Procymidone 500 Fungicide to 1kg of seed and mix thoroughly until seeds are wet.
  - b) Spread the seed and allow to dry.
  - c) Sow within 14 days of treatment.
- **Note:** 1. Seed treatment should be used in conjunction with soil applications of TITAN Procymidone 500 Fungicide to achieve satisfactory control of White rot of onions.
- **Caution:** Treated seed germinated poorly in cold, wet soil. Where these conditions occur, use a soil spray without seed treatment.
- **Warning:** Soil persistence of TITAN Procymidone 500 Fungicide can be reduced under alkaline soil conditions.

**Soil Spray:**

- a) Apply to soil surface immediately after sowing and repeat application at 10 weeks after sowing.
- b) Disease control will be improved if the seed is treated with TITAN Procymidone 500 Fungicide prior to sowing.
- c) A further soil spray of 2L/ha may be necessary if frequent or extended periods of cool, moist conditions occur later in the season.
- **Note:** 1. DO NOT spray directly over exposed seed in furrows before covering with soil.
- **Warning:** Soil persistence of TITAN Procymidone 500 Fungicide can be reduced under alkaline soil conditions.

**In-Furrow Application:**

- a) Thoroughly mix 4L of TITAN Procymidone 500 Fungicide with required quantity of fertiliser for 1 hectare.
- b) Apply fertiliser in a band no more than 2cm directly below seed.
- **Note:** 1. Coarse sand or fine gravel can be substituted where fertiliser is not required.
- 2. In-furrow application must be combined with seed treatment to achieve satisfactory results.
- 3. **Warning:** Soil persistence of TITAN Procymidone 500 Fungicide can be reduced under alkaline soil conditions.

**Transplant Dip:**

- a) Dip seedlings for up to 4 hours in fungicide suspension before transplanting.
- b) A supplementary soil spray of 2L/ha may be necessary if frequent or extended periods of cool, moist conditions occur in the late season.
- **Note:** 1. **DO NOT** spray directly over exposed seed in furrows before covering with soil.
- **Warning:** Soil persistence of TITAN Procymidone 500 Fungicide can be reduced under alkaline soil conditions.

### CROP AND VINE CROPS – continued

<table>
<thead>
<tr>
<th>CROP</th>
<th>DISEASE</th>
<th>STATE</th>
<th>RATE</th>
<th>WHP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Onions</td>
<td>White Rot (Sclerotinia cepivorum)</td>
<td>QLD, NSW, VIC, TAS, SA, NT only</td>
<td>20mL/kg seed</td>
<td>4 weeks</td>
</tr>
<tr>
<td></td>
<td>White Rot (Sclerotinia cepivorum)</td>
<td>QLD, NSW, VIC, SA, NT only</td>
<td>4L/ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2L/ha in a minimum of 250L of water</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>White Rot (Sclerotinia cepivorum)</td>
<td>QLD, NSW, VIC, SA only</td>
<td>1L/100L of water</td>
<td></td>
</tr>
<tr>
<td>Garlic</td>
<td>White Rot (Sclerotinia cepivorum)</td>
<td>QLD, NSW, VIC, TAS, SA only</td>
<td>10mL/kg</td>
<td></td>
</tr>
<tr>
<td>Potato</td>
<td>Sclerotinia (Sclerotinia minor)</td>
<td>ALL STATES</td>
<td>500mL-1L/ha</td>
<td>9 days</td>
</tr>
<tr>
<td></td>
<td>Target Spot (Alternaria solani)</td>
<td></td>
<td>500mL/ha</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ornamentals</td>
<td>Sclerotinia Rot (Sclerotinia sclerotiorum)</td>
<td>NSW only</td>
<td>75-100mL/100L water</td>
</tr>
</tbody>
</table>
1. Dilute spray volume as determined above: For example 1500L/ha
   Example Only

   − Set up and operate the sprayer to achieve even coverage throughout the crop
   − Use a sprayer designed and set up for concentrate spraying (that is a sprayer
     calibrated to ensure thorough crop coverage. Add the required amount of
     product to the partially filled spray tank with the agitator running and complete
     filling the tank with water.
   DO NOT mix with alkaline water. Continue thorough agitation during spraying
   and after stoppage. DO NOT let prepared spray solution sit in the tank overnight.

   − Dilute Spraying
     • Use a sprayer designed to apply high volumes of water up to the point of run-off
       and matched to the crop being sprayed.
     • Set up and operate the sprayer to achieve even coverage throughout the crop
       canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid
       excessive run-off.
     • The required water volume may be determined by applying different test
       volumes, using different settings on the sprayer, from industry guidelines or
       expert advice.
     • Add the amount of product specified in the Directions for Use table for each
       100L of water. Spray to the point of run-off.
     • The required dilute spray volume will change and the sprayer set up and
       operation may also need to be changed, as the crop grows.

   − Concentrate Spraying
     • Use a sprayer designed and set up for concentrate spraying (that is a sprayer
       which applies water volumes less than those required to reach the point of
       run-off) and matched to the crop being sprayed.
     • Set up and operate the sprayer to achieve even coverage throughout the crop
       canopy using your chosen water volume.
     • Determine an appropriate dilute spray volume (See Dilute Spraying above) for
       the crop canopy. This is needed to calculate the concentrate mixing rate.
     • The mixing rate for concentrate spraying can then be calculated in the following
       way:
       Example Only
       1. Dilute spray volume as determined above: For example 1500L/ha
       2. Your chosen spray volume: For example 500L/ha
       3. The concentration factor in this example is: 3X (i.e. 1500L divided by 500L = 3)
       4. If the dilute label rate is 10mL/100L, then the concentrate rate becomes 3
          x 10, that is 30mL/100L of concentrate spray.
     • The chosen spray volume, amount of product per 100L of water, and
       the sprayer set up and operation may need to be changed as the crop grows.
     • DO NOT use a concentrate rate higher than specified in the Critical Comment.
     • For further information on concentrate spraying, users are advised to consult
       relevant industry guidelines, undertake appropriate competency training and
       follow industry Best Practices.

   − WETTING AGENT
     Use a wetting agent at 10mL/100L of spray. With hard to wet crops the rate may
     be increased to 20mL/100L.

   − COMPATIBILITY
     This product is compatible with the following products: Agral*, permethrin,
     propargite, pirimicarb and Anvil*. Provided the spray tank has an adequate
     agitation system and the mixture is not allowed to stand without agitation,
     these mixtures are acceptable. Some settling will occur in mixtures with
     permethrin and propargite.

   − PRECAUTIONS
     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. Treated seed when stored should be kept apart from other grain
     and the containers should be clearly marked to indicate the contents have been
     treated with this product. DO NOT re-use empty containers.

   − RE-ENTRY PERIOD
     Re-entry: DO NOT enter treated area for 9 days after spray application unless
     wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing),
     chemical resistant gloves and boots. Clothing must be laundered after each
     day’s use.
     Re-entry (grapes only): Grape girdling should not be performed 24 days after
     spray application unless wearing cotton overalls buttoned to the neck and wrist
     (or equivalent clothing), chemical resistant gloves and boots. Clothing must be
     laundered after each day’s use.

   − PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
     DO NOT contaminate streams, rivers or waterways with the chemical or used
     container or containers, which have held treated seed.

   − STORAGE AND DISPOSAL
     Store in a locked room or place away from children, animals, feedstuffs, seed
     and fertilisers.

     For Non-Refillable Containers: Triple rinse containers before disposal. Add
     rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If
     recycling, replace cap and return clean containers to recycler or a designated
     collection point. If not recycling, break, crush, or puncture and deliver empty
     packaging to an approved waste management facility. An approved waste
     management facility is not available bury the empty packaging 500mm below
     the surface in a disposal pit specifically marked and set up for this purpose
     clear of waterways, desirable vegetation and tree roots, in compliance with
     relevant Local, State or Territory government regulations. DO NOT burn empty
     containers or product.

     For Refillable Containers: Storage must be secure so that contents cannot be
     tampered with. All locks and/or seals must be in order. If locks or seals are
     broken prior to initial use then the integrity of this product cannot be assured.
     If this occurs TITAN AG Pty Ltd should be advised immediately. Empty contents
     fully into application equipment. Close all valves and return to point of supply
     for refill or storage.

   − SAFETY DIRECTIONS
     WARNING – contains Procymidone, which causes birth defect in laboratory
     animals. Women of child bearing age should avoid contact with procymidone.

     Very dangerous, particularly the concentrate. Poisonous if absorbed by skin
     contact or inhaled or swallowed. May irritate the eyes and skin. Avoid contact
     with eyes and skin. DO NOT inhale spray mist. When opening the container,
     preparing product for use and using the prepared spray wear cotton overalls
     with eyes and skin. DO NOT inhale spray mist. When opening the container,
     preparing product for use and using the prepared spray wear cotton overalls
     buttoned to the neck and wrist and a washable hat and elbow-length PVC
     gloves and disposable mist mask. After use and before eating, drinking or
     smoking, wash hands, arms and face thoroughly with soap and water.
     After each day’s use, wash gloves and contaminated clothing.

     FIRST AID
     If poisoning occurs contact a doctor or Poisons Information Centre. Phone
     Australia 13 11 26.

   − MATERIAL SAFETY DATA SHEET
     Additional information is listed in the material safety data sheet (MSDS). A
     material safety data sheet for TITAN Procymidone 500 Fungicide is available from
     TITAN AG Pty Ltd on request. Call Customer Service on (02) 9986 2943 or
     visit www.titanag.com.au

     CONDITIONS OF SALE: TITAN AG Pty Ltd shall not be liable for any loss injury
     damage or death whether consequential or otherwise whatsoever or
     howsoever arising whether through negligence or otherwise in connection with
     the sale supply use or application of this product. The supply of this product is
     on the express condition that the purchaser does not rely on TITAN AG’s skill or
     judgment in purchasing or using the same and every person dealing with this
     product does so at his own risk absolutely. No representative of TITAN AG Pty
     Ltd has any authority to add to or alter these conditions.

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   TITAN AG
   CROP PROTECTION

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