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.: 65892/147461

Pack Size: 5L-1000L

TITAN AG CROP PROTECTION

TITAN AG Pty Ltd | ABN 57 122 081 574
15/16 Princes Street, Newport NSW 2106
Tel (02) 9999 6655 | titanag.com.au

SC Formulation Type **Suspension Concentrate**

IN A TRANSPORT EMERGENCY
• DIAL 000 • POLICE OR FIRE BRIGADE



3082
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains procymidone)
PG III Hazchem •3Z

DIRECTIONS FOR USE

Restraints:

DO NOT use this product in the home garden.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone tables below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

Boom Sprayers

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets not smaller than a MEDIUM spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory Buffer Zones' section of the following table titled 'Buffer Zones for Boom Sprayers') are observed.

Buffer Zones for Boom Sprayers						
Application rate	**Boom height above the target canopy**	**Mandatory buffer zones**				
		Bystander areas	**Natural aquatic areas**	**Pollinator areas**	**Vegetation areas**	**Livestock areas**
Up to 2L/ha	0.5m or lower	0m	0m	0m	0m	30m
	1.0m or lower	0m	10m	0m	0m	140m
Up to 1L/ha	0.5m or lower	0m	0m	0m	0m	10m
	1.0m or lower	0m	0m	0m	0m	65m
Up to 500mL/ha	0.5m or lower	0m	0m	0m	0m	0m
	1.0m or lower	0m	0m	0m	0m	30m

Vertical Sprayers

DO NOT apply by a vertical sprayer unless the following requirements are met:

- Spray is not directed above the target canopy.
- The outside of the sprayer is turned off when turning at the end of rows and when spraying the outer row on each side of the application site.
- For dilute water rates up to the maximum listed for each type of canopy specified, minimum distances between the application site and downwind sensitive areas (see 'Mandatory Buffer Zones' section of the following table titled 'Buffer Zones for Vertical Sprayers') are observed.

Buffer Zones for Vertical Sprayers					
Type of target canopy and dilute water rate	**Mandatory buffer zones**				
	Bystander areas	**Natural aquatic areas**	**Pollinator areas**	**Vegetation areas**	**Livestock areas**
2m tall and shorter, maximum dilute water rate of 1000L/ha	0m	0m	0m	0m	0m
Taller than 2m (not fully-foliated), maximum dilute water rate of 1500L/ha	0m	0m	0m	0m	20m
Taller than 2m (fully-foliated), maximum dilute water rate of 150L/ha	0m	0m	0m	0m	10m

Aircraft

DO NOT apply by aircraft unless the following requirements are met:

- Spray droplets not smaller than a MEDIUM spray droplet size category for Lentil application
- Spray droplets not smaller than a COARSE spray droplet size category for canola application
- For maximum release height above the target canopy of 3m or 25 percent of wingspan or 25 percent of rotor diameter, whichever is the greatest, minimum distances between the application site and downwind sensitive areas (see 'Mandatory Buffer Zones' section of the following table titled 'Buffer Zones for Aircraft') are observed.

Buffer Zones for Aircraft (MEDIUM spray droplet size)						
Application rate	**Type of aircraft**	**Mandatory buffer zones**				
		Bystander areas	**Natural aquatic**	**Pollinator areas**	**Vegetation areas**	**Livestock areas**
Up to 500mL/ha	Fixed wing	0m	0m	0m	0m	230m
	Helicopter	0m	10m	0m	0m	140m
Buffer Zones for Aircraft (COARSE spray droplet size)						
Application rate	**Type of aircraft**	**Mandatory buffer zones**				
		Bystander areas	**Natural aquatic**	**Pollinator areas**	**Vegetation areas**	**Livestock areas**
Up to 1L/ha	Fixed wing	0m	5m	0m	0m	180m
	Helicopter	0m	15m	0m	0m	110m

TITAN AG CROP PROTECTION

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Canola	Sclerotinia Rot (*Sclerotinia sclerotiorum*)	**1L/ha Ground Application:** In 100L/ha water plus non-ionic surfactant at label rate **Aerial Application:** In minimum 40L/ha water plus non-ionic surfactant at label rate	Nil (H) 9 weeks (G)	Spraying should occur before petals begin to drop and preferably prior to a 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 the TITAN Procymidone 500 Fungicide application 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.
Lentils	Grey Mould (*Botrytis cinerea*, *Botrytis fabae*)	500mL/ha Apply in a minimum of 100L/ha water for ground application or 45L/ha for aerial application	21 days (H) 21 days (G)	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. Alternate with fungicides with different modes of action. TITAN Procymidone 500 Fungicide will not provide effective control of Ascochyta Blight (*Ascochyta lentis*).
Grapes (Wine grapes only)	Grey Mould (*Botrytis cinerea*)	**Dilute Spraying:** 75mL/100L **Concentrate Spraying:** Refer to the Mixing/Application section	9 days	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: – 80% cap fall; – just prior to bunch closure; – at veraison (when sugar content rises); and – 2-3 weeks pre-harvest. To ensure complete bunch wetting add TITAN Wetter 600 Surfactant at 10-20mL/100L. Apply by dilute or concentrate spraying equipment. Apply the same total amount of TITAN Procymidone 500 Fungicide to the target crop whether applying TITAN Procymidone 500 Fungicide by dilute or concentrate spraying methods. DO NOT use at concentrations greater than 150mL/100L of water.
Stone Fruit	Blossom Bight (*Monilinia laxa*)	**Dilute Spraying:** 50 to 75mL/100L **Concentrate Spraying:** Refer to the Mixing/Application section	9 days	Apply at 10% blossom, full bloom, late petal and shuck fall. If weather conditions particularly favour Blossom Blight use higher rate. QLD, NSW, SA and TAS only. Where *Monilinia laxa* is known to occur apply an additional early spray at pink bud. 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. DO NOT use at concentrations greater than 150mL/100L of water.
Onions	White Rot (*Sclerotium cepivorum*)	20mL/kg of seed	4 weeks	**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 TITAN Procymidone 500 Fungicide to achieve satisfactory control of White Rot in Onions. 2. **Caution:** Treated seed germinates poorly in cold, wet soil. Where these conditions occur, use a soil spray without seed treatment. 3. **Warning:** Soil persistance of TITAN Procymidone 500 Fungicide can be reduced under alkaline soil conditions.
		4L/ha		**IN-FURROW APPLICATION:** (a) Thoroughly mix 4L 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.

TITAN AG CROP PROTECTION

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Onions *– continued*	White Rot (*Sclerotium cepivorum*)	2L/ha in a minimum 250L of water	4 weeks	**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 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. 2. **Warning:** Soil persistence of TITAN Procymidone 500 Fungicide can be reduced under alkaline soil conditions.
		1L/100L of water		**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 later in the season.
Garlic	White Rot (*Sclerotinia cepivorum*)	10mL/kg	–	**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 to 1L/ha	21 days	DO NOT apply more than 4 applications per crop. Apply by boom sprayer. Apply the 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 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.
	Target Spot (*Alternaria solani*)	500mL/ha		DO NOT apply more than 4 applications per crop. Apply by boom sprayer in a program of sprays at 10 day intervals, beginning when warm weather conditions favour the disease and plants are 150 to 190mm high. Apply in sufficient water to ensure thorough coverage.
Ornamentals	Sclerotinia Rot (*Sclerotinia sclerotiorum*)	75 to 100mL/100L water	–	Apply to run-off. Use the higher rate when disease is severe. DO NOT apply to open African Violet flowers.

(H)= harvest; (G)= grazing or cutting for stockfeed

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

WITHHOLDING PERIODS:
Garlic: NOT REQUIRED WHEN USED AS DIRECTED.
Onions: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.
Stonefruit (Blossom Blight control), Wine Grapes: DO NOT HARVEST FOR 9 DAYS AFTER APPLICATION.
Potatoes: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.
Canola:
Harvest – NOT REQUIRED WHEN USED AS DIRECTED.
Grazing – DO NOT GRAZE OR CUT FOR STOCK FEED FOR 9 WEEKS AFTER APPLICATION.
Lentils:
Harvest – DO NOT HARVEST FOR 21 DAYS AFTER LAST APPLICATION.
Grazing – DO NOT GRAZE OR CUT FOR STOCK FEED FOR 21 DAYS AFTER LAST APPLICATION.

TRADE ADVICE – EXPORT OF TREATED LENTILS
Growers should note that suitable MRLs or import tolerances may not be established in all markets for Lentils treated with Procymidone. If you are growing produce for export, please check with your exporter or TITAN AG Pty Ltd for the latest information on MRLs and import tolerances before using this product.

GENERAL INSTRUCTIONS

MIXING
This product is suitable for application through conventional spray equipment 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.

APPLICATION
Dilute Spraying – Tree and Vine Crops only
- 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 – Tree and Vine Crops only
- 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 ÷ 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 Comments.
- For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow Industry Best Practices.

TANK MIXTURES: Read and follow all label directions including application rates and safety directions for the tank mix products.

WETTING AGENT: Add a non-ionic surfactant at the rate directed on the product label.

FUNGICIDE RESISTANCE WARNING

GROUP **2** FUNGICIDE

TITAN Procymidone 500 Fungicide is a member of the dicarboximide group of fungicides. For fungicide resistance management, this product is a Group 2 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 2 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 this product and other Group 2 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, TITAN AG Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi. Specific resistance management strategies for dicarboximide fungicides can be found on the Croplife Australia website.

PRECAUTIONS

DO NOT use treated seed for human consumption. DO NOT allow treated seed to contaminate grain or other seed intended for animal or human consumption. When treated seed is stored it should be kept apart from other grain and the bags or other containers should be clearly marked to indicate that the contents have been treated with this product. Bags or containers which have held treated seed are not to be used for any other purpose.

Re-entry Period: DO NOT enter treated areas until spray has dried. If prior entry is necessary, wear cotton overalls buttoned to the neck and wrist, elbow-length chemical resistant gloves and goggles.

PROTECTION OF LIVESTOCK

DO NOT feed treated seed to animals, including poultry. DO NOT allow seed treated with this product to contaminate seed intended for animal consumption.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product, used containers or bags which have held treated seed. DO NOT feed treated seed or otherwise expose to wild or domestic birds. Any spillages of treated seed must be cleaned up immediately, preferably by recovery and re-use. If disposal is required, ensure treated seed are thoroughly buried in compliance with relevant Local, State or Territory government regulations and not accessible to birds or other wildlife.

STORAGE AND DISPOSAL

Store in a locked room or place away from children, animals, feedstuffs, seed and fertilisers. Store in the closed, original container in a dry, cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.

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 designated collection point. If not recycling, break, crush or puncture and deliver empty packaging or appropriate disposal at an approved waste management facility. If 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. Store in the closed, original container in a dry, cool, well-ventilated area. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

Treated Seed and Containers of Treated Seed: When treated seed is stored it should be kept apart from other grain and the bags or containers should be clearly marked to indicate the contents have been treated with this product. Bags which have held treated seed are not to be used for any other purpose. Dispose of spent dip in an authorised dip disposal facility. If an authorised dip disposal facility is not available, the spent dip should be evenly spread over flat land not exceeding 20,000L/ha. The disposal site must be dedicated, limed and adequately bunded (soil at least 15cm high). DO NOT dispose unwanted spent dip in the same place for at least 420 days, as repeated depositions in one location may, over time, create a contaminated site. Unused or spent dips should be disposed of carefully to avoid contamination of wetlands or watercourses.

SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length chemical resistant gloves. When using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Procymidone 500 Fungicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit 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.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: May cause an allergic skin reaction. Suspected of damaging fertility. Suspected of damaging the unborn child. Toxic to aquatic life with long lasting effects. Precautionary Statements: Do not handle until all safety precautions have been read and understood. Wear protective gloves and protective clothing. Avoid breathing mist/vapours/spray. Avoid release to the environment. Contaminated work clothing should not be allowed out of the workplace. IF exposed or concerned: Get medical advice/ attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage. Store locked up. Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.



TITAN AG CROP PROTECTION