

Smart Pantheon

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

FUNGICIDE

ACTIVE CONSTITUENT: 200 g/L AZOXYSTROBIN
80 g/L CYPROCONAZOLE

Group **3** **11** Fungicide

For the control of certain fungal diseases in Wheat and Peanuts as specified in the Directions for Use.



10L

Crop Smart
better crop protection 08/19



APVMA Approval No.: 86113/114707

Distributed by:
Crop Smart Pty Ltd
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DIRECTIONS FOR USE

Restrictions

Cereals only: DO NOT apply more than 2 applications of SMART PANTHEON (or any other Group 11 or Group 3 fungicide) in any one season on the same paddock.
DO NOT exceed a combined total of 800 mL/ha of SMART PANTHEON in any one season on the same paddock.

Crop	Diseases	Rate/ha	Critical Comments
Peanuts	Early Leaf Spot (<i>Cercospora arachidicola</i>)	500 to 750 mL	Apply 1 to 2 applications of SMART PANTHEON at 10 to 14 day intervals from first flowering and before disease symptoms appear or when disease pressure is low.
	Late Leaf Spot (<i>Cercosporidium personatum</i>)		Use the low rate when disease pressure is low eg early season plantings, and use higher rates when weather conditions favour disease development and/or the crop has a large canopy.
	Net Blotch (<i>Phoma arachidicola</i>)		When targeting Net Blotch, or when weather conditions are not favourable for application, add a non-ionic surfactant at its recommended use rate.
	Rust (<i>Puccinia arachidicola</i>)		<p>Resistance Management</p> <p>Disease control may be reduced if strains of pathogens less sensitive to SMART PANTHEON develop. DO NOT use SMART PANTHEON curatively.</p> <p>DO NOT apply more than 1/3 of the total number of fungicide applications per crop as SMART PANTHEON. For example, if the total number of fungicides applied to the crop is 9, DO NOT apply more than 3 applications of SMART PANTHEON. DO NOT exceed 3 applications of SMART PANTHEON per crop. DO NOT apply more than 2 consecutive applications of SMART PANTHEON.</p> <p>DO NOT apply more than 5 DMI sprays per season. SMART PANTHEON contains a DMI fungicide and should be included in the total number of DMI sprays.</p>

Crop	Diseases	Rate/ha	Critical Comments
Wheat	Leaf Rust (<i>Puccinia triticina</i>)	400 to 800 mL	Apply after flag leaf is 70% emerged and before disease levels reach 1% of flag leaf area. Consider control if disease is greater than 5 to 10% on any lower leaf layer. Use higher rates under high infection pressure or when longer residual protection is required. Lower rates are effective under low disease pressure but have reduced residual effect. Ensure thorough coverage.
	Powdery Mildew (<i>Blumeria graminis tritici</i>)		Spray at the first sign of the disease during the tillering stage. A repeat spray 21 to 28 days later may be required. Ensure thorough coverage of stems and leaves. Higher rates provide longer protection.
	Stripe Rust (<i>Puccinia striiformis</i>)		Spray at the first sign of the disease and before 10 to 20% of leaves are infected. A repeat spray 21 to 28 days later may be required. Use higher rates under high infection pressure or when longer residual protection is required.
	Yellow Spot (<i>Pyrenophora tritici-repentis</i>)		Apply once between 70% flag leaf emergence and early flowering. Use higher rates under high infection pressure or where longer residual protection is required. Apply after 70% flag leaf emergence and before disease levels reach 5% on flag leaf. Higher rates give longer residual protection and often better economic returns.

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

WITHHOLDING PERIODS

Wheat: Grazing: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 21 DAYS AFTER APPLICATION

Harvest: DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION

Peanuts: Grazing: DO NOT GRAZE OR CUT FOR STOCK FEED FOR 14 DAYS AFTER APPLICATION

Harvest: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

WARNING

Azoxystrobin is extremely phytotoxic to certain apple varieties.

AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees.

DO NOT spray SMART PANTHEON where spray drift may reach apple trees.

DO NOT spray when conditions favour drift beyond the area intended for application. Conditions which may contribute to drift include thermal inversions, excessive wind speed, certain spray nozzle/pressure combinations, small spray droplet size, etc.

DO NOT use spray equipment which has been previously used to apply SMART PANTHEON to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity.

GENERAL INSTRUCTIONS Mixing

SMART PANTHEON is a suspension concentrate (SC) formulation that mixes readily with water and is applied as a spray.

1. Partly fill the spray tank with water
2. Start the agitation
3. Add the correct amount of product to the spray tank with the agitation system running
4. Continue agitation while topping up the tank with water and while spraying
5. Use the spray mix within 24 hours of preparation

Growing Conditions

In general SMART PANTHEON should be applied under good growing conditions with adequate soil moisture. SMART PANTHEON should not be applied to crops that are under stress due to very dry, very wet, frosty conditions, nutrient deficiency or high insect pressure, as this may give less than reliable results.

Spray Timing

Always inspect crops to assess disease development immediately before spraying. Best results will be achieved from applications made in the earliest stages of disease development or as a protectant treatment following a disease risk assessment.

Cereals: Applications of SMART PANTHEON should be made within the crop growth stages ranging from tillering to early flowering (Z26 to Z62). The object of spraying is to keep the upper 2 to 3 leaves green and functioning through grain filling stage.

Peanuts: The object of spraying is to control diseases and stop defoliation during pegging or pod fill stages to ensure stems are sufficiently strong for harvesting.

Application

May be applied by boom spray or aircraft. Ensure complete coverage of all leaves and stem is obtained.

Cereals:

Boom Application: As a guide, apply in spray volumes ranging from 50 to 100 L water per hectare. The use of flat fan nozzles is recommended using a fine to medium quality spray pattern, with pressures in the range 100 to 400 kPa.

Aerial Application: As a guide, apply using 20 to 30 L water per hectare using a fine to medium quality spray. Use the lower rate when applications are made with a cross wind of not less than 5 knots. Use the higher rates when applying to dense crops.

Peanuts:

Boom Application: As a guide, apply in spray volumes ranging from 150 to 500 L water per hectare. The use of hollow cone nozzles or flat fans is recommended using a fine to medium quality spray pattern, with pressures in the range of 500 to 1000 kPa for the hollow cones and 150 to 300 kPa for flat fan nozzles. **Aerial Application:** As a guide, apply 25 to 60 L water per hectare using a fine to medium quality spray. Use with the lower rate when applications are made with a cross wind of not less than 5 knots. Use the higher rates when applying to dense crops.

Compatibility/Tank Mixing

SMART PANTHEON is physically compatible with a wide range of products, however the biological compatibility of these mixtures may not have been fully tested under all environmental and biological conditions.

A mixture of SMART PANTHEON with any other product may in some circumstances be ineffective or may cause damage.

If tank mixes are to be used observe all directions, precautions and limitations on all products to be used. As formulations of other manufacturer's products are beyond the control of Crop Smart, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities.

Trade Advice

EXPORT SLAUGHTER INTERVAL

DO NOT slaughter animals destined for export within 7 days of consumption of treated cereal forage or straw, or peanut forage or fodder.

Fungicide Resistance Warning

GROUP	3	11	FUNGICIDE
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SMART PANTHEON Fungicide is a combination of a demethylation inhibitors (DMI) and a Quinone outside Inhibitors (QoI) fungicides. For fungicide resistance management SMART PANTHEON is both a Group 3 and a Group 11 fungicide.

Some naturally occurring individual fungi resistant to SMART PANTHEON and other Group 3 and/or Group 11 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 SMART PANTHEON or other Group 3 and/or Group 11 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, Crop Smart Pty Ltd accepts no liability for any losses that may result from the failure of SMART PANTHEON to control resistant fungi.

PRECAUTIONS

Re-entry Period: DO NOT allow entry into treated areas until the spray has dried unless wearing cotton overalls (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

HIGHLY TOXIC TO AQUATIC LIFE. DO NOT contaminate dams, waterways or drains with the chemical or used containers.

DO NOT apply under meteorological conditions or from spraying equipment which could be expected to cause spray drift on adjacent areas, particularly wetlands, waterbodies or watercourses.

DO NOT apply SMART PANTHEON aerially if waterbodies, watercourses or wetlands are within 50 metres downwind of the application area.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store in direct sunlight. This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store

cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection point or similar container management program site. The cap should not be replaced but may be taken separately.

If not recycling, break, crush, or puncture and deliver empty packaging to 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.

SAFETY DIRECTIONS

Will irritate the eyes. Avoid contact with eyes. Wash hands after use.

When opening the container and preparing spray wear:

- cotton overalls, buttoned to the neck and wrist (or equivalent clothing).
- elbow-length PVC gloves.

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.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS), which can be obtained from the supplier.

CONDITIONS OF SALE

Crop Smart Australia Limited ("Crop Smart") shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever, or howsoever arising 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 conditions that the purchaser does not rely on Crop Smart's skill or judgement in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Crop Smart has any authority to alter these conditions.