

# POISON

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

# PONTIAC®

## Seed Treatment

ACTIVE CONSTITUENTS: 180 g/L IMIDACLOPRID  
15 g/L METALAXYL-M  
6.25 g/L FLUTRIAFOL

GROUP	<b>4A</b>	INSECTICIDE
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GROUP	<b>3</b>	<b>4</b>	FUNGICIDE
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Seed dressing for the control of various foliar, seed and soil borne diseases in wheat, barley, oats and triticale and the prevention of spread of barley yellow dwarf virus and for protection against insect pests of stored seed grain.

## CONTENTS: 10-20L & 100-1000L

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## DIRECTIONS FOR USE

**RESTRAINTS:** DO NOT carry over treated seed from one season to the next as seedling emergence may be reduced or slowed in the following season.

CROP	DISEASE/PEST	RATE per 100kg SEED	CRITICAL COMMENTS
Wheat	Common bunt ( <i>Tilletia caries</i> ) Loose smut ( <i>Ustilago nuda</i> ) Seedborne flag smut ( <i>Urocystis agropyri</i> ) Soilborne flag smut ( <i>Urocystis agropyri</i> ) Damping off ( <i>Pythium irregulare</i> ) Rhizoctonia bare patch ( <i>Rhizoctonia solani</i> ) – Suppression	400mL	<p>Ensure even and thorough coverage of the seed. It is recommended that PONTIAC be applied neat or diluted with 200mL of water to achieve a total volume of 600mL of mixture (water + product) with each 100kg seed. Do not exceed this total volume.</p> <p>Control of seed borne diseases should not rely solely on fungicide seed treatments. The use of clean seed is advised where ever possible.</p> <p>PONTIAC will suppress Rhizoctonia bare patch in paddocks where history and/or soil testing indicates a high risk of Rhizoctonia root rot and where minimum tillage is practiced. Additional integrated management may be required to provide full control. Pre-sowing cultivation in minimum tillage systems, adequate fertilizer application to address nutrient deficiencies and control of weeds at least 2 to 4 weeks prior to sowing will enhance Rhizoctonia bare patch control.</p> <p>Reduced emergence may occur if seed is treated with flutriafol sown to a depth greater than 5cm or into soil at a temperature less than 5°C or greater than 20°C.</p>
Barley	Covered smut ( <i>Ustilago hordei</i> ) Loose smut ( <i>Ustilago nuda</i> ) Damping off ( <i>Pythium irregulare</i> ) Rhizoctonia bare patch ( <i>Rhizoctonia solani</i> ) – Suppression		
Oats	Covered smut ( <i>Ustilago hordei</i> ) Loose smut ( <i>Ustilago avenae</i> )		
Triticale	Loose smut ( <i>Ustilago nuda</i> )		

CROP	DISEASE/PEST	RATE per 100kg SEED	CRITICAL COMMENTS
Wheat Barley Oats Triticale	Feeding damage caused by wheat aphid and corn aphid	400mL	Ensure even and thorough coverage of the seed. It is recommended that PONTIAC be applied neat or diluted with 200mL of water to achieve a total volume of 600mL of mixture (water + product) with each 100kg seed. Do not exceed this total volume.  In high risk areas with over 500mm rain or moderate risk areas with over 400mm rain in seasons following summer rains, apply a registered synthetic pyrethroid such as Mascot® Duo, 10-12 weeks after sowing if aphid pressure persists or increases.
	Spread of barley yellow dwarf virus		
	<b>Protection against insect pests of stored seed grain:</b> Indian meal moth ( <i>Plodia interpunctella</i> ) Psocids ( <i>Liposcelis bostrychophila</i> , <i>L. entomophila</i> , <i>L. decolor</i> and <i>L. paeta</i> ) Granary weevil ( <i>Sitophilus granarius</i> ) Lesser grain borer ( <i>Rhyzopertha dominica</i> ) Rice weevil ( <i>Sitophilus oryzae</i> ) Rust red flour beetle ( <i>Tribolium castaneum</i> ) Saw tooth flour beetle ( <i>Oryzaephilus surinamensis</i> ) Flat grain beetle ( <i>Cryptolestes ferrugineus</i> )		

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

#### WITHHOLDING PERIODS

**Harvest: NOT REQUIRED WHEN USED AS DIRECTED.**

**Grazing: DO NOT GRAZE OR CUT FOR STOCK FOOD WITHIN 9 WEEKS OF SOWING.**

#### GENERAL INSTRUCTIONS

Protection from smuts and bunts will only be achieved if all grains are treated. Therefore ensure that the application equipment is correctly set up to achieve this.

#### Insecticide Resistance Warning

**GROUP**

**4A**

**INSECTICIDE**

For insecticide resistance management, PONTIAC Seed Treatment is a Group 4A insecticide.

Some naturally occurring insect biotypes resistant to PONTIAC and other Group 4A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if PONTIAC or other Group 4A insecticides are used repeatedly. The effectiveness of PONTIAC on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Nufarm Australia Limited accepts no liability for any losses that may result from the failure of PONTIAC to control resistant insects.

PONTIAC may be subject to specific resistance management strategies. For further information contact your local supplier, Nufarm Australia Limited representative or local agricultural department agronomist.

#### Fungicide Resistance Warning

**GROUP**

**3 4**

**FUNGICIDE**

PONTIAC Seed Treatment is a combination of a DMI and a Phenylamide fungicide. For fungicide resistance management the product is both a Group 3 and a Group 4 fungicide.

Some naturally occurring individual fungi resistant to the product and other Group 3 and/or Group 4 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 or other Group 3 and/or Group 4 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, Nufarm Australia Limited accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

### **Mixing**

Shake the container well before using. Add the required volume of PONTIAC to the water whilst agitating. It is recommended that PONTIAC be applied neat or diluted with 200mL of water to achieve a total volume of 600mL of mixture (water + product) with each 100kg seed. Do not exceed this total volume.

The mixture should be gently stirred regularly. If allowed to stand for long periods eg. overnight, agitate thoroughly before using. DO NOT allow to stand for more than 24 hours.

### **Application**

Choose the lowest application volume necessary to give full coverage of seed with the equipment to be used. Application volumes greater than 600mL are likely to result in excessive wetting of the seed. To achieve disease control, it is essential that the correct quantity of PONTIAC is applied to the grain. It is also essential that each grain is properly treated. For information about suitable application equipment and calibration, contact your supplier of PONTIAC or a Nufarm Australia Limited representative. Wash equipment thoroughly with water after application.

### **Seed Quality**

PONTIAC seed treatment should not be used on seed with more than 12% moisture content, or on sprung, sprouted, damaged or severely pinched seed, or seed of poor viability. If in doubt, have a germination test carried out on the seed before treatment to ensure that it is of acceptable standard. Treating with PONTIAC as directed may raise the moisture level of the seed by up to 0.6%, depending on conditions at treatment.

### **Compatibility**

Do not mix with any other product.

### **PRECAUTIONS**

When treated seed is stored, it should be kept apart from other grain or seeds, and the containers or bags should be clearly marked to show that the contents have been treated with PONTIAC. 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. Bags which have held treated seed should not be used for any other purpose. Any seed not used for sowing should be destroyed. DO NOT carry over treated seed from season to season.

### **RE-ENTRY/RE-HANDLING**

- DO NOT re-handle treated seeds until the seeds have dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves.
- DO NOT allow handling of treated seeds during bagging or sowing unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves.

### **PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

Short coleoptile cultivars should not be sown too deep. In some situations trifluralin herbicides and triazole fungicides interact to suppress emergence, if possible avoid this contamination.

### **PROTECTION OF LIVESTOCK**

DO NOT feed treated seed to animals, including poultry. Seed should not be left exposed on the ground (particularly during sowing).

## **PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

DO NOT feed treated seed or otherwise expose to wildlife or domestic birds. DO NOT contaminate streams, rivers or waterways with the chemical, used containers, treated seed or bags which have held treated seed.

### **STORAGE AND DISPOSAL (10-20L)**

Store in the closed, original container in a cool, well-ventilated area out of direct sunlight. Triple or preferably pressure 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 for appropriate disposal 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.

### **STORAGE AND DISPOSAL (100-1000L)**

Store in the closed, original container in a cool, well-ventilated area out of direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

### **SAFETY DIRECTIONS**

May irritate the eyes. Avoid contact with eyes. When opening the container, mixing and loading and preparing spray, wear cotton overalls over normal clothing buttoned to the neck and wrist and elbow-length chemical resistant gloves. 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 13 11 26.

### **SAFETY DATA SHEET**

For further information refer to the Safety Data Sheet (SDS), which can be obtained from your supplier or from the Nufarm website – [nufarm.com.au](http://nufarm.com.au)

### **ADDITIONAL STATEMENTS (WHS REGULATIONS 2011)**

Not required - product not classified as hazardous under GHS criteria.

**In case of emergency: Phone 1800 033 498** Ask for shift supervisor. Toll free 24 hours.

### **CONDITIONS OF SALE**

"Any provisions or rights under the Competition and Consumer Act 2010 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies, expressed or implied under common law, statute or otherwise, in relation to the sale, supply, use or application of this product, are excluded. Nufarm Australia Limited and/or its affiliates ("Nufarm") shall not accept any liability whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute."

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