

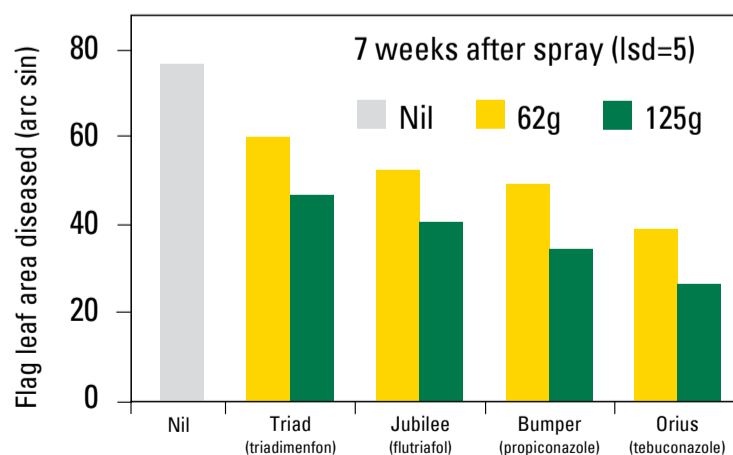
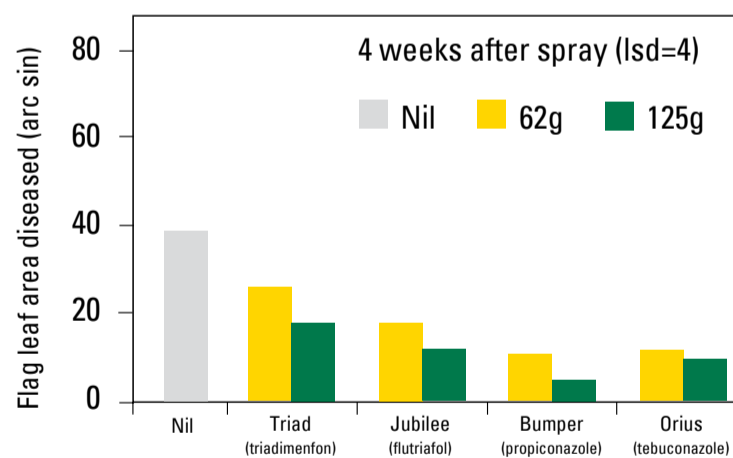
Foliar Diseases in Cereals



ORIOUS – Product of Choice for Stripe Rust

FEATURES AND BENEFITS

- Broad activity spectrum for use on a wide range of crops.
- One of the most effective triazole fungicides for disease control.
- Can be applied at all disease stages.
- Rainfast within two hours after application.
- Provides protective activity for at least three to four weeks.
- Low risk to beneficial insects – fits into IPM programs.
- Safe to users, crops and the environment.



The effect of fungicides, applied once at 62 or 125 gai/ha, on flag leaf area affected by stripe rust, S. Stirlings, 2002 (data courtesy of Dr K. Jayasena, DAWA)



Disease Control Guide

Despite all the technological advances, disease management remains a major challenge to Australian farmers. Intensive cropping in conjunction with disease identification and management have now become a regular consideration when growing cereal crops.

The most important aspect in managing disease is correct identification. Once identified, it is then possible to plan a strategy in order to control the disease. Visual identification is difficult, and it is therefore important to understand how prevailing weather conditions impact on disease.

CONSIDERATIONS

- Paddock History
- Regional Diseases History

There is a wide range of control options ranging from non-chemical to chemical.

A successful strategy involves an integrated approach using both these options.

NON-CHEMICAL

- Crop rotations – to reduce risk of stubble-borne diseases.
- Variety choice – avoid varieties that are most susceptible to commonly occurring diseases.
- Reduce infected cereal stubble by grazing, burning or tillage (burial)
- Selection of pathogen free seed.

FOLIAR TREATMENTS

All these products are systemic in action, providing protective, curative and eradicator action. Eradicator action can vary by product.

Products do differ in terms of their activity and effectiveness on diseases. This publication will provide a guide to the preferred option for the prevailing disease situation.



Disease	Product Use			
	TRIAD	BUMPER/AURORA	JUBILEE	ORIOUS
WHEAT				
Leaf Rust		✓	✓	✓
Stem Rust		✓		✓
Stripe Rust	✓	✓	✓	✓
Septoria Tritici Blotch (Speckled Leaf Blotch)	✓	✓	✓	✓
Nodorum (Glume Blotch)		✓	✓	✓
Powdery Mildew		✓		
Yellow Spot		✓		✓
BARLEY				
Scald	✓	✓	✓	✓
Spot Form Net Blotch (SFNB)		✓		
Powdery Mildew	✓	✓	✓	✓
OATS				
Stem Rust		✓		✓
Leaf Rust		✓		
Septoria Leaf Blotch (suppression only)		✓		

NOTE: The above chart is a guide only. Variations do occur from time to time and with different seasonal conditions. Chemical labels should be noted prior to use, as there are differences between states. Local experiences included in assessments. Acknowledgements: Our thanks to Dr Keith Jayasena, Plant Pathologist, and Dr Robert Loughman, Senior Plant Pathologist, with the WA Department of Agriculture and Food, for their assistance with this publication.