

2007

# LANCE on dry beans technology sheet



## White mold control in dry beans

### The threat

White mold (*Sclerotinia*) is a tough disease to control. In fact, by the time you see the white mycelial growth on the soil surface or on plants, it's too late to effectively control the disease. The key to protecting your bean yield and marketability in the face of this devastating disease is to identify the risk and handle the challenge proactively, relying on a preventative fungicide program that includes LANCE® fungicide.

### Recognize the risk

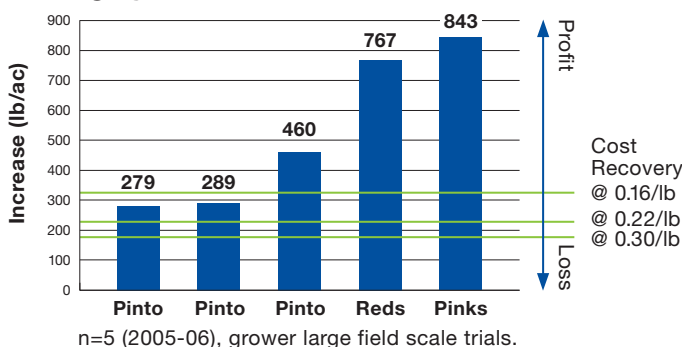
White mold can affect any bean field, with the level of risk depending on several factors. If the following criteria are met, you should consider the field as having a high risk of *Sclerotinia*:

- Presence of disease inoculum – abundant in all Canadian dry bean areas
- Susceptible bean types/cultivars – particularly those with dense canopies and “viney” indeterminate growth
- Moist and cool conditions
- Rotations that include crops susceptible to white mold

Fields under irrigation should also be considered at high risk of white-mold infestation.

## LANCE increases yield

**Yield increase over untreated:  
Average yield increase of 528 lb/ac**



## Treat proactively with LANCE

LANCE is an innovative fungicide for the control of white mold in dry beans. It is best used in a preventative manner – not as a treatment for an existing disease outbreak. To be effective, applications should coincide with the presence of flowering.

### Application rate

- High white-mold risk: 283 g/ac (20 ac/case)
- Low to moderate white-mold risk: 226 g/ac (25 ac/case)

### Application timing

LANCE is most effective in controlling white mold in a preventative spray program, not in response to an existing disease outbreak. Application should be timed to provide the greatest possible protection during the complete flowering stage.

### First application

- Appearance of first pin bean (20% to 50% bloom). See the *Bloom stage guide* on back.

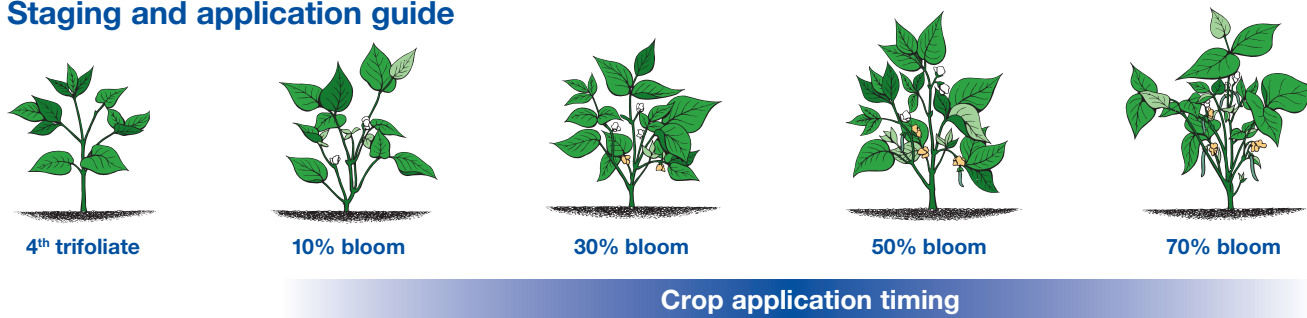
### Second application

Another application should be planned to protect the later bloom period.

- 7 to 10 days after first application, if the weather is cool and wet
- 10 to 14 days after first application, if the canopy is dry and the weather is warm and dry



## Staging and application guide



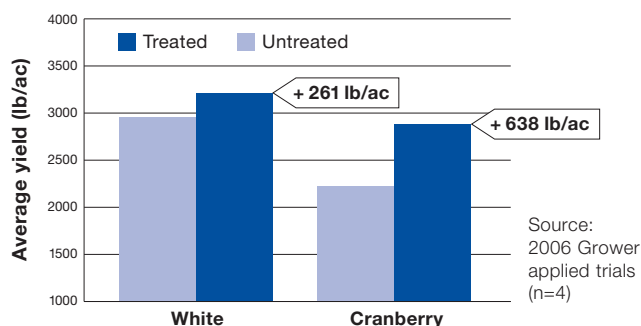
## Bloom stage guide

% Flowering	# Buds	# Open buds	# Flowers	# Old flowers (yellowed)	# Pin beans	# Small beans
10%						
30%						
50%						
70%						

Key staging indicators

Note: These are general guidelines – varieties and field conditions may vary.

## ROI – for white and cranberry beans



The gross profit for white beans at \$0.25/lb is \$65.25/ac. The gross profit for cranberry beans at \$0.25/lb is \$159.50/ac.

For more information about LANCE, call **AgSolutions®** by BASF at 1-877-371-BASF (2273) or visit our website at [www.agsolutions.ca](http://www.agsolutions.ca)

Always read and follow label directions.

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## Application method

- Ground application at 20 to 30 gal/ac
- Air application at 4 to 5 gal/ac

Select nozzles and spray pressure to maximize canopy coverage and penetration. Increased water volumes improve coverage.

## A special note for beans grown under irrigation

- Balance plant water needs with white-mold risk.
- Irrigate before application of LANCE, if possible.
- Apply LANCE at the high rate of 18 acres/case.
- Make second application 7 to 10 days later.
- If irrigation is required after LANCE application, wait 24-36 hours.