

2008

LANCE on dry beans technology sheet



The risk of white mold

By the time you see the white mycelial growth of white mold (*Sclerotinia*) on the soil surface or on plants, it's already too late to effectively control the disease. The key is to identify the risk and prevent disease before it starts. LANCE® is an innovative fungicide that's ideally suited for the preventative control of white mold.

Manage white mold with LANCE

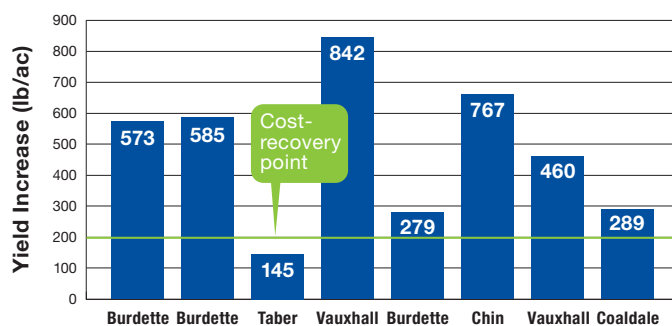
If the following conditions are met, you have a high risk of white mold and should consider a preventative application of LANCE.

- Susceptible cultivars – those with dense canopies and viny indeterminate growth are most at risk
- Moist and cool conditions
- Rotations that include crops susceptible to white mold

The LANCE advantage

LANCE is highly effective at preventing white mold in dry beans. (However, it must be applied before disease symptoms appear, not as a treatment for an existing outbreak.) In grower-applied trials, LANCE has improved yield and delivered a positive return on investment.

Return on Investment



Source: Grower-Applied Field Trials, 2005-2007.

The majority of dry bean growers who made two applications of LANCE had a positive return on investment. The cost-recovery point was based on an average bean price of \$0.30/lb. Both applications were made at the label rate. Yield increases were based on untreated controls. The cost of application was not factored.

The gross profit for white beans is \$65.25/ac and for cranberry beans \$159.50/ac (based on white and cranberry bean prices of \$0.25/lb).

How LANCE works

LANCE inhibits spore germination (preventing disease) and fungal spread (limiting damage). The activity of LANCE prevents disease but does not serve as treatment for existing disease outbreaks.



When to apply LANCE

Applications must be made before the appearance of disease symptoms and should be timed to provide the greatest possible protection during the complete flowering stage. Make a first application at the appearance of first pin bean (20% to 50% bloom). A second application should be made to protect the later bloom period. Schedule this application:

- 7 to 10 days after the 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

How much to apply

- High white-mold risk: 283 g/ac (equivalent to 10 ac/jug or 20 ac/case)
- Low to moderate white-mold risk: 226 g/ac (equivalent to 12.5 ac/jug or 25 ac/case)

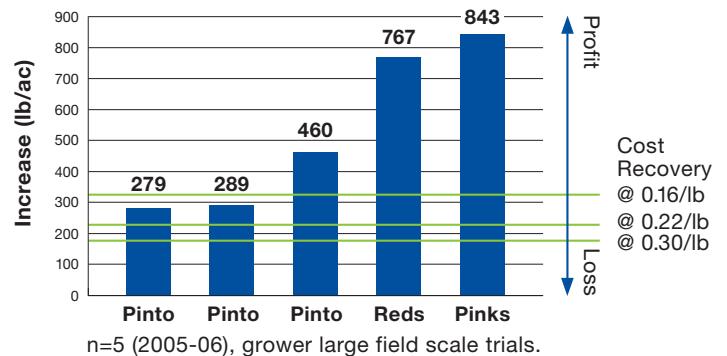
For ground application, use an optimal spray volume of 10-20 imperial gallons/ac. For air application, use a minimum spray volume of 4-5 imperial gallons/ac.

Do not apply LANCE more than three times in a growing season.

About beans grown under irrigation

- Balance plant water needs with white-mold risk.
- Irrigate before applying LANCE, if possible.
- Apply LANCE at a rate of 18 acres per case.
- Make a second application 7 to 10 days later.
- Wait 24 to 36 hours after application before irrigating.

Average yield increase of 538 lb/ac over untreated



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

Always read and follow label directions.

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