

LANCE on dry beans technology sheet



Superior preventative disease control

LANCE® fungicide provides dry bean growers with a proactive approach to protection from fungal diseases such as white mold (*Sclerotinia*).

Applying LANCE before the onset of the disease helps to prevent damage to the crop and has been shown to improve yields and deliver a positive return on investment.

LANCE fungicide delivers:

- Exceptional control of white mold when used in a preventative application
- Complete systemic protection throughout the plant
- An alternative mode of action with excellent crop safety



Source: AgSolutions Performance Trials, Taber AB, 2010

How LANCE works

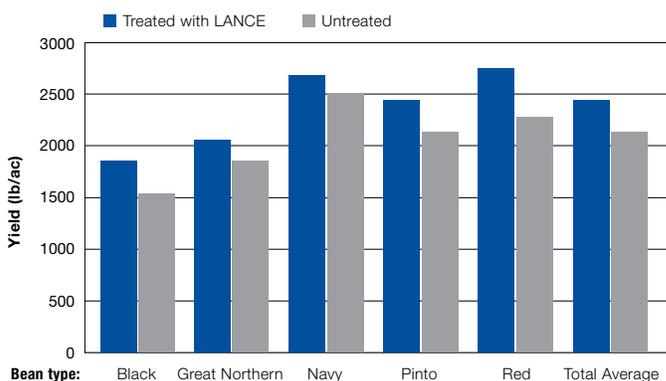
LANCE works both on contact and systemically, moving throughout the plant to prevent disease and limit any existing damage. Its group 7, SDHI chemistry works differently from most other fungicides, effectively starving the fungus of oxygen to inhibit spore germination and prevent fungal spread. For optimal control, apply LANCE prior to any sign of disease that could affect yield potential.

Aim for higher yields

In grower-applied trials, treating a crop with preventative applications of LANCE fungicide improved yields across a range of dry bean types.

Yield increase

Yield comparison on dry beans when treated with LANCE.



Source: AgSolutions Performance Trials, 2008-2011, n=18



The LANCE advantage

LANCE® fungicide is highly effective at preventing white mold in dry beans when applied before disease symptoms appear.



Source: AgSolutions trials, Portage LaPrairie MB, 2011

For more information on LANCE, visit agsolutions.ca or contact AgSolutions® Customer Care at 1-877-371-BASF (2273).

Always read and follow label directions.

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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 may be made later to protect the later bloom period.

- 7-10 days after the first application, if the weather is cool and wet
- 10-14 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 gal/ac. For air application, use a minimum spray volume of 4-5 imperial gal/ac.

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

For 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 7-10 days later
- Wait 24-36 hours after application before irrigating



LANCE
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