

Acapela™ Fungicide Application Effect on Soybean Yield

2012

Background and Objective

- DuPont™ Acapela™ fungicide is a new and advanced strobilurin fungicide for disease control in cereals, corn, soybeans and dry edible beans. Acapela provides broad-spectrum disease control with superior uptake, movement and post-infection properties.
- On-farm trials were conducted in Ontario, Quebec, and Manitoba in 2012 to determine yield response of soybeans treated with Acapela fungicide compared to untreated soybeans.



Acapela fungicide on-farm trial locations in 2012.

Study Description

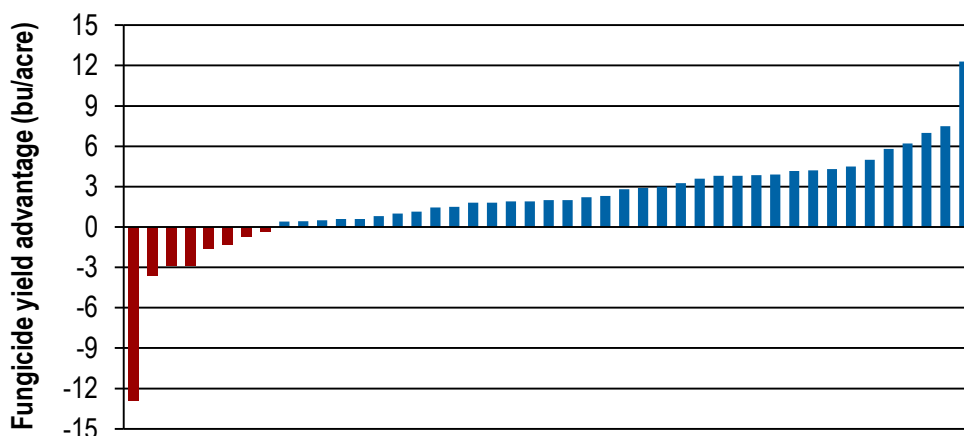
- Plot Layout:** Field-length strips
Replicates: 1-2 per location
Locations: 45 locations in Ontario, Quebec and Manitoba
Treatments: Acapela, untreated
- Treatments were compared on the same soybean variety within a location.
 - Soybean maturities ranged from group 00 to 3.

Disease	Rate	Acapela Application Information
White mold (suppression)	0.35 L/acre	Initial preventative application at R1 (beginning bloom). Follow with 2nd application 7–10 days later at R2 (full bloom). Apply in a minimum volume of 10 gal/acre. Penetration of spray droplets into the lower canopy is critical to achieve optimum efficacy. Ensure spray volume and spray pressure are optimized to achieve thorough coverage.
Frogeye leafspot, Septoria Brown spot	0.24 L/acre	Apply at R2 (full bloom) stage of development. Apply in a minimum volume of 10 gal/acre.

Results

- Soybean yield was increased by an average of 2 bu/acre with Acapela fungicide treatment across 45 on-farm trials.
- A positive yield response was observed in 82% of trials (37 of 45).

Soybean yield response to Acapela foliar fungicide application in 45 on-farm trials



- Results were similar to those of a recent survey of Pioneer on-farm foliar fungicide trials conducted in the U.S. and Canada from 2007-2011 that found an average yield response of 2.5 bu/acre, with a positive yield response in 82% of the trials.

PIONEER® brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents. 2012 data are based on average of all comparisons made in 45 locations through November 2, 2012. Multi-year and multi-location is a better predictor of future performance. Do not use these or any other data from a limited number of trials as a significant factor in product selection. Product responses are variable and subject to a variety of environmental, disease, and pest pressures. Individual results may vary. All products are trademarks of their manufacturers.