

## SOYBEAN SEED TREATMENT

- Unmatched disease protection powered by DuPont™ Lumisena™ fungicide seed treatment
- Proven insecticide
- Two proprietary biofungicides
- Extra protection available with ILeVO® fungicide/nematicide seed treatment

## LUMIGEN™ TECHNOLOGIES

- Selected from the best
- Proven performance
- Accurately applied
- Ready for singulation

CONTACT YOUR LOCAL SALES PROFESSIONAL FOR MORE INFORMATION.

# LumiGEN™

FULL-SPECTRUM PROTECTION GIVES  
**YOUR PLANTS A HEALTHY START.**

## PREMIUM CORN SEED TREATMENT OFFER

- Robust disease protection through 7 modes of action
- Multi-mode and unique insect control
- Lumialza™ nematicide seed treatment shields against harmful nematodes

**Lumiante™**  
FUNGICIDE SEED TREATMENT

**Lumiflex™**  
SEED TREATMENT FUNGICIDE

**ILEVO®**  
Seed Treatment

<sup>1</sup>Data is based on 10-state broad-acre head-to-head strip trial comparing Lumialza™ nematicide seed treatment vs. non-nematicide seed treatment utilizing the same insecticide and fungicide recipe in seed applied technology replicated and strip trial data. Yields ranged from 3 to 9 bu/a depending on nematode species and population, in 184 low stress and 54 moderate to high stress locations.

<sup>2</sup>Data is based on 638 head-to-head comparisons between DuPont™ Lumisena™ fungicide seed treatment (0.568 fl oz/cwt) and Metalaxyl (0.75 fl oz/cwt) in the top soybean-producing states through Dec. 12, 2017. Comparisons were made utilizing the same soybean variety. The foregoing is provided for informational use only. Please contact your Corteva Agriscience seed brand representative for information and suggestions specific to your operation. Product performance is variable and subject to any number of environmental, disease and pest pressures. Individual results may vary and from year to year. Product label instructions must be followed at all times.

<sup>3</sup>2012–2015 data are based on average of all comparisons made in 165 locations through Nov 1, 2015 in Corteva Agriscience replicated research trials.

State registrations for Lumiflex™, Lumisure™, Lumiante™, Lumialza™, and L-2012 R are pending. One or more of these products may not be registered for sale or use in all states. Contact your local Corteva Agriscience retailer or representative for details and availability in your state. Lumiflex™, Lumisure™, Lumiante™ and Lumialza™ seed treatments have not yet received regulatory approvals in any country outside the United States; approvals are pending.

The information presented here is not an offer for sale. This is not intended as a substitute for the product label for the product(s) referenced herein. The information contained in this technical document is based on the latest to-date technical information available to Corteva, and Corteva reserves the right to update the information at any time.

Components of LumiGEN™ technologies for soybeans are applied at a Corteva Agriscience production facility, or by an independent sales representative of Corteva or its affiliates. Not all sales representatives offer treatment services, and costs and other charges may vary. See your sales representative for details. Seed applied technologies exclusive to Corteva and its affiliates.

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 **CORTEVA™**  
agriscience



ROBUST FUNGICIDE PACKAGE

Disease	Modes of Action
Pythium	<div><div></div><div></div><div></div></div>
Rhizoctonia	<div><div></div><div></div><div></div><div></div></div>
Fusarium	<div><div></div><div></div><div></div><div></div></div>
Head Smut	<div><div></div></div>
Penicillium & Aspergillus	<div><div></div><div></div><div></div></div>
Seed-borne diseases	<div><div></div><div></div><div></div></div>

- Maxim® Quattro®
- Lumiante™ fungicide seed treatment
- Lumiflex™ seed treatment fungicide
- L-2012 R biofungicide

UNIQUE INSECTICIDE PACKAGE

Lumivia®

INSECTICIDE SEED TREATMENT

Lumisure™

INSECTICIDE SEED TREATMENT

Broad-spectrum **protection against early-season insects** through Lumisure™ and Lumivia® insecticide seed treatments

- Wireworm
  - White Grub
  - Seed Corn Maggot
- Cutworm
  - Fall Armyworm
  - Grape Colaspis

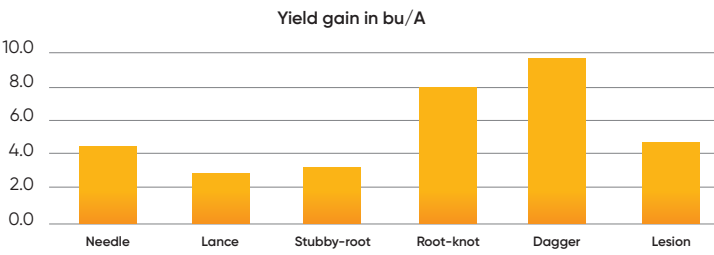


Lumialza™

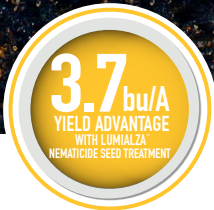
NEMATICIDE SEED TREATMENT

- **Biological nematode protection** while cooperating with beneficial organisms.
- **Yield improvement of 3.7 bu/A under low pressure.**<sup>1</sup>
- More than **80 days of root protection.**

LUMIALZA™ NEMATICIDE SEED TREATMENT PROVIDES A YIELD BENEFIT AGAINST THE KEY NEMATODE SPECIES <sup>1</sup>



Yield benefit varies across a range of species and pressure intensities



Potential yield improvement under low pressure



Potential yield benefit across the farm



Potential yield benefit in field areas with higher Phytophthora susceptibility

Lumisena™

FUNGICIDE SEED TREATMENT

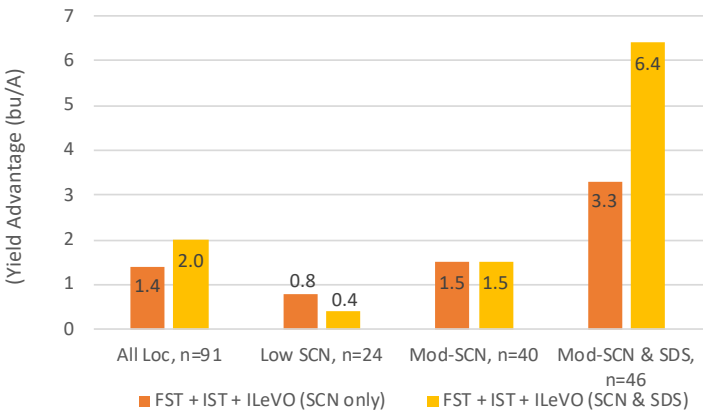
- New mode of action for **best-in-class protection against Phytophthora.**
- **Improved plant stands by more than 2,500 plants per acre** under heavy Phytophthora pressure.\*

\*Versus the existing industry-standard seed treatment.



**ILeVO® seed treatment delivers exceptional protection** in acres at risk for sudden death syndrome (SDS) or soybean cyst nematode (SCN) injury.

SOYBEAN PERFORMANCE WITH ILEVO® SEED TREATMENT IN SCN AND SDS ENVIRONMENTS<sup>3</sup>



Yield advantage with ILeVO fungicide/nematicide seed treatment compared to the base FST + IST in SCN and SDS environments.