



LumiGEN™ technologies is an industry-leading seed applied technology portfolio designed to help farmers establish healthy, uniform crops and maximize productivity.



## SEED APPLIED TECHNOLOGIES

### DuPont™ Lumisena™ Fungicide Seed Treatment

In sunflowers, this fungicide seed treatment provides the best-in-class protection against downy mildew for better seedling vigor, more viable stands with uniform heads and higher yield potential.

#### Field Trial Results:



Untreated —  
50% incidence



Lumisena™ —  
0.0093 mg ai/seed

- 50% of seed planted in the untreated check (left photo) had systemic infections of downy mildew
- The Lumisena™ plot (right photo) displayed consistent stands and healthy, vigorous plants
- No cross-resistance to any existing seed applied fungicides

**DuPont™ Lumisena™**  
fungicide seed treatment

Lumisena™ fungicide seed treatment on sunflowers, late vegetative stage. Fargo, N.D.

# SEED TREATMENT OFFERINGS

## SUNFLOWER, WHEAT AND SORGHUM

### SUNFLOWER

Pioneer

#### Seed Treatment

#### Insecticide

Cruiser®

#### Fungicide

Apron XL®

Maxim 4FS®

Dynasty®

Lumisena™ U.S.

(Canada in process)

#### Polymer

Blue colorant

### WHEAT

Pioneer

#### Seed Treatment

#### Insecticide/Fungicide

Cruiser® Vibrance® Quattro

#### Polymer

Red colorant

### SORGHUM

Insecticide Seed Treatment	Product/Active Ingredient	Treatment Benefits
Seed Safener	Concep® III/ fluxofenin	Helps protect grain or forage sorghum from the phytotoxic effects of S-metolachlor herbicides.
Fungicide Seed Treatment	Maxim® XL/fludioxinil + mefenoxam	Seed and seedling protection against fungi-causing seed decay, and the pathogens <i>Rhizoctonia solani</i> , <i>Fusarium</i> and <i>Pythium</i> .
	Apron® XL/mefenoxam	Systemic control of <i>Pythium</i> damping-off.
	Dynasty®/azoxystrobin	Broadens the range of disease protection and enhance the level of activity on seedborne and soil seedling diseases such as <i>Fusarium</i> , <i>Rhizoctonia</i> and <i>Pythium</i> .
Insecticide Seed Treatment*	Cruiser® 5FS*/thiamethoxam	Systemic protection from seed and seedling damage caused by chinch bugs, greenbugs, yellow sugarcane aphid, corn leaf aphid, wireworm, seed-corn maggot, and fire ants.

\* Cruiser 5FS is available as an option. Information in this table is provided by manufacturers.