

# Fungicide

The LumiGEN® seed treatment package on Pioneer® brand corn products is the most robust protection in the industry.



	Trade Name	Active Ingredients	Pythium	Rhizoctonia	Fusarium	Head smut	Aspergillus	Seed borne diseases
LumiGEN® Seed Treatments	Maxim® Quattro seed treatment	Mefenoxam	●					
		Azoxystrobin	●	●	●			
		Fludioxonil		●			●	●
		Thiabendazole			●		●	●
	Lumiante™ fungicide seed treatment	Ethaboxam	●					
	Lumiflex™ seed treatment fungicide	Ipconazole		●	●	●	●	●
	L-2012 R biofungicide	Bacillus amyloliquefaciens strain MBI 600		●	●			
<b>Number of Modes of Action</b>			<b>3</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>3</b>
NK® corn standard	Maxim® Quattro seed treatment	Mefenoxam	●					
		Azoxystrobin	●	●	●			
		Fludioxonil		●			●	●
		Thiabendazole			●		●	●
	Vibrance® seed treatment	Sedaxane		●				
<b>Number of Modes of Action</b>			<b>2</b>	<b>3</b>	<b>2</b>		<b>2</b>	<b>2</b>
Acceleron® seed applied solutions - Basic	Acceleron® DC-309	Metalaxyl	●					
	Acceleron® D-342	Prothioconazole		●	●			
	Acceleron® D-281	Fluoxastrobin					●	●
	<b>Number of Modes of Action</b>			<b>1</b>	<b>1</b>	<b>1</b>		<b>1</b>

# Insecticide/Nematicide

The LumiGEN® premium insecticide seed treatment package on Pioneer® brand corn products is the broadest spectrum protection in the industry.



## INSECTICIDE SEED TREATMENTS CHARACTERIZATION

Pest	Premium Package Lumialza™ bio-nematicide Lumivia™ 250 Lumisure™ 250	Enhanced CRW Package Lumialza™ bio-nematicide Lumisure™ 1250	Bayer Option Poncho® Votivo® 500	Regional Seed Co. Option Cruiser® 250
Corn Nematodes	+++	+++	++	-
Wireworm	+++	++++	+++	++
Cutworm	++++	++	+ <sup>1</sup>	+ <sup>1</sup>
Fall Armyworm	++++	-	-	-
Seed Corn Maggot	+++	+++	+++	++
White Grub	+++	++++	+++	++
Grape Colaspis	+++	+++	++	++
Billbug	++	+++	-	-
Flea Beetle	++	+++	++	++
Corn Rootworm	-	++	-	-
<b>LumiGEN seed treatment</b>				

## Lumialza™

### NEMATICIDE SEED TREATMENT

- Yield improvement of 3.7 bu/A under low pressure
- Biological nematode protection while cooperating with beneficial organisms
- More than 80 days of root protection
- Broad spectrum protection against 7 corn nematode species

- No Control or not labeled

+ Feeding reduction ++ Average protection +++ Above average protection ++++ Excellent protection

<sup>1</sup> labeled for control

Lumivia® insecticide seed treatment, Lumialza™ bio-nematicide and Lumisure™ 1250 and 250 are part of the LumiGEN technologies package available on Pioneer brand corn.

Poncho® products are included in Acceleron® seed applied solutions.

Cruiser® products are available on NK® corn.

### Lumiflex™

SEED TREATMENT FUNGICIDE

### Lumiante™

FUNGICIDE SEED TREATMENT

### Lumivia®

INSECTICIDE SEED TREATMENT

The information described in these charts is based on a review of product labels and research trials. These comparisons include base rates. Additional seed treatment options are available with all brands compared.

Acceleron® is trademark of Bayer.

NK®, Maxim® Quattro, Cruiser® and Vibrance™ are registered trademarks of Syngenta.

Poncho® is a registered trademark of BASF.

Contact your local Corteva Agriscience retailer or representative for details and availability in your state.

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 Agriscience, and Corteva Agriscience reserves the right to update the information at any time.

Lumialza™ performance data is based on 10-state broad-acre head-to-head strip trial comparing Lumialza nematicide v. 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. Individual results may vary.

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