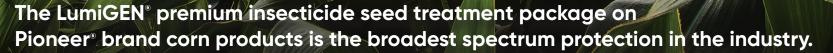
## **Fungicide**



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
LumiGEN. Seed Treatments	NEW Lumiscend™ Pro seed treatment	Metalaxyl	•			
		Ethaboxam	•			
		Inpyrfluxam		•	•*	
	Lumiflex™ seed treatment fungicide	lpconazole		•	•	•
	L-2012 R biofungicide	Bacillus amyloliquefaciens strain MBI 600		•	•	
	Number of Modes of Action			3	3	1
Acceleron® – Enhanced Disease Control	Acceleron® DC-309	Metalaxyl	•			
	Acceleron® D-342	Prothioconazole		•	•	
	Acceleron® D-281	Fluoxastrobin		•		
	Acceleron® D-310	Ethaboxam				
	Number of Modes of Action			2	1	
NK®/Golden Harvest® corn standard	Maxim® Quattro seed treatment	Mefenoxam	•			
		Azoxystrobin	•	•	•	
		Fludioxonil		•		
		Thiabendazole			•	
	Vibrance® seed treatment	Sedaxane		•		
		Number of Modes of Action	2	3	2	

## Insecticide/Nematicide





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	++++	++	+1	+1				
Fall Armyworm	++++	_	-	-				
Seed Corn Maggot	+++	+++	+++	++				
White Grub	+++	++++	+++	++				
Grape Colaspis	+++	+++	++	++				
Billbug	++	+++	-	_				
Flea Beetle	++	+++	++	++				
Corn Rootworm	-	++	-	-				
LumiGEN seed treatment								

## **Lumialza®**

## NEMATICIDE SEED TREATMENT

- Expanding Bio-barrier shields roots
- 80+ days of root growth protection
- Activity against all key nematode species
- Yield improvement of 3.7 bu/a under low nematode pressure & 9.0 bu/a when under heavy nematode pressure\*

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<sup>™</sup> /

/ Lumiscend<sup>™</sup>Pro

Lumisure<sup>®</sup>

SEED TREATMENT FUNGICIDE

EN I FUNGICIDE 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.

Poncho® is a registered trademark of BASF.

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

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

Lumivia<sup>®</sup>

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.

Pioneer® brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents.

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<sup>-</sup> No Control or not labeled

<sup>+</sup> Feeding reduction ++ Average protection +++ Above average protection ++++ Excellent protection

<sup>1</sup> labeled for control

<sup>\*</sup> 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, Individual results may vary.