LumiGEN Seed Treatments

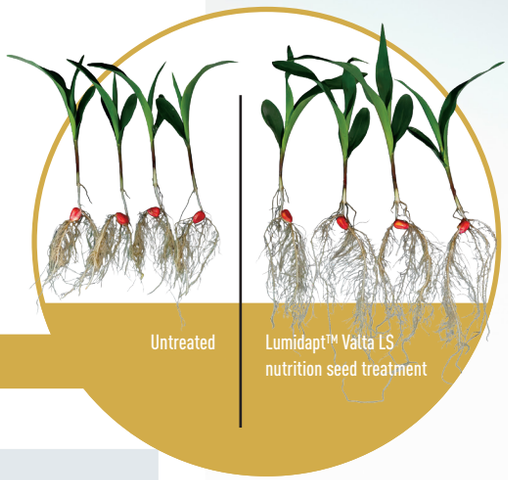
A Complete

Corn Seed Treatment Package

When you buy corn from a Corteva Agriscience™ seed brand, you're already getting our best in genetics, traits and expert knowledge and support. And when you add LumiGEN® seed treatments, you get a level of protection that's been proven to perform. Powerful genetics deserve powerful protection. See what LumiGEN seed treatments can do for you.

A NEW Plant Health Boost

LumiGEN seed treatments comes equipped with a NEW, next-generation biological plant nutrition component designed to promote more uniform corn emergence. Lumidapt™ Valta LS nutrition seed treatment delivers six vital nutrients to support healthy, uniform emergence, promote germination and encourage strong seedling root development. Corteva research shows a **2.0 bu/A yield advantage** in multi-year testing, with the addition of Lumidapt Valta LS to the LumiGEN corn seed treatment recipe.*



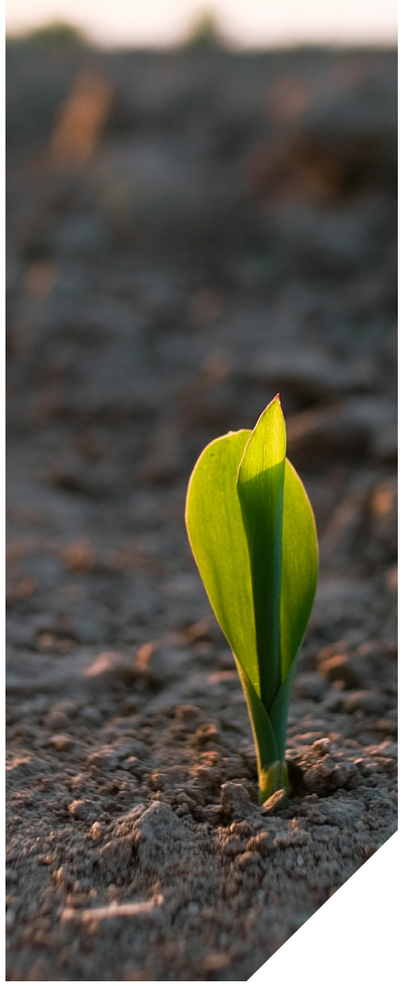
	Nutrients	Benefit
Lumidapt™ VALTA LS NUTRITION SEED TREATMENT Contains nutrient-rich lignosulfonates; naturally derived from plant lignin	Boron	Supports cell wall development, protein synthesis and root growth.
	Potassium	Enhances water and nutrient transport from soil, photosynthesis and cell growth.
	Manganese	Essential for germination, root growth, chlorophyll function and nitrogen use.
	Cobalt	Key for metabolism and enzyme function. Supports soil N-fixation.
	Sulfur	Required for chlorophyll production, protein synthesis and enzyme activity.
	Molybdenum	Supports nitrogen use and early seedling growth.

Proven Protection Against Key Diseases

Lumiscend® Pro fungicide seed treatment, brings a unique combination of THREE active ingredients for outstanding protection against *Pythium* (including metalaxyl-resistant strains), *Rhizoctonia* and *Fusarium*. In multi-year trials, Lumiscend Pro delivers a consistent **1 bu/A yield advantage** across all environments and **3 bu/A yield advantage** in higher disease environments.**

Lumiflex fungicide seed treatment (highest rate of ipconazole) adds an additional mode of action on *Rhizoctonia* and *Fusarium* plus protection against head smut and seed-borne diseases.

Brand Name	Active Ingredient	*Pythium*	*Rhizoctonia*	*Fusarium*	*Head Smut*	*Seed-borne Diseases*
Lumiscend® Pro FUNGICIDE SEED TREATMENT	Metalaxyl	1				
	Ethaboxam	1				
	Inpyrfluxam		1	1		
Lumiflex® SEED TREATMENT FUNGICIDE	Ipconazole		1	1	1	1
	Number of Modes of Action	2	2	2	1	1



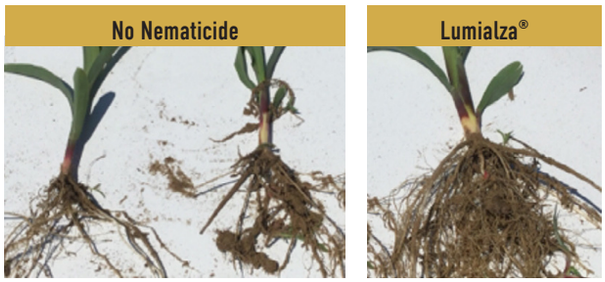
HOEGEMEYER®

Broadest Insect Protection with Outstanding Nematode Protection

With TWO insecticide active ingredients against insect pests plus Lumialza® nematicide seed treatment, the premium package available through LumiGEN® seed treatments offers a unique advantage for customers with oustanding protection. Lumialza offers 80+ days of root growth protection through an expanding bio-barrier that shield roots from all key nematode species. Under low nematode pressure, Lumialza delivers a **3.7 bu/A yield advantage** and a **9.0 bu/A yield advantage** under heavy nematode pressure.***

Lumialza®
NEMATICIDE SEED TREATMENT

The combination of Lumialza with Lumidapt Valta LS provides root systems with key nutrients plus an expanding bio-barrier to get roots off to a strong, healthy start.



Brand Name	Active Ingredient	Corn Nematodes	Wireworm	Cutworm	Fall Armyworm	Seed Corn Maggot	White Grub	Grape Colaspis	Billbug	Corn Rootworm
Premium Package										
Lumialza® nematicide seed treatment	B. amyloliquefaciens PTA-4838	1								
Lumivia® 250 insecticide seed treatment	Chlorantraniliprole		1	1	1	1	1			
Lumisure® 250 insecticide seed treatment	Clothianidin		1	1		1	1	1		1
	Number of Modes of Action	**1**	**2**	**2**	**1**	**2**	**2**	**1**	**–**	**1**
Enhanced CRW Package										
Lumialza® nematicide seed treatment	B. amyloliquefaciens PTA-4838	1								
Lumisure® 1250 insecticide seed treatment	Clothianidin		1	1		1	1	1	1	1
	Number of Modes of Action	**1**	**1**	**1**	**–**	**1**	**1**	**1**	**1**	**1**

* Corteva Agriscience study data comparing previous corn seed treatment recipe with new recipe containing Lumidapt Valta LS. Average of 72 field locations in U.S., 2022-24.

** 2020-2022 Corteva research trials in 80 locations, compared to Maxim® Quattro. Maxim® is a registered trademark of Syngenta.

*** Lumialza® nematicide seed treatment vs. non-nematicide seed treatment utilizing the same insecticide and fungicide recipe in seed applied technol¬ogy 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.

LumiGEN Seed Treatments have been designed, verified and proven.

No other company has access to this unique combination of elite genetics and premium seed treatments. Proven protection against pests, diseases and challenging soil conditions.

Scan the QR code to learn more.

Lumivia®
INSECTICIDE SEED TREATMENT

Lumisure®
INSECTICIDE SEED TREATMENT

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Not all products are registered for sale or use in all states. Lumisure® is registered for sale and use in several countries, with additional registrations in progress. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. Add an EPA-approved dye or colorant to treat the seeds per 40 CFR 153.155(b)(1) during the seed treatment process. Ensure that all treated seed are dyed an unnatural color. Always read and follow label directions. © 2025 Corteva. 034180 SAT (10/25)