



PIONEER®



You select a Pioneer hybrid to maximize yield for each growing season. When you choose Pioneer, you can be confident that your seed treatment has also been chosen to maximize the yield for each season, no matter what comes at it.



Exclusive to Corteva Agriscience

LumiGEN seed treatments are designed, verified and proven to work with Pioneer seeds genetics, helping farmers establish healthy, uniform crops and maximize productivity.



Designed for our genetics



Verified on our genetics



Proven in the field with our genetics

A Mark of Assurance in Seed Treatments

LumiGEN seed treatments are extensively tested across multiple years, geographies, and environments. LumiGEN seed treatments are selected and verified through our rigorous PASSER testing process that evaluates in 6 key areas: **Plantability, Application, Seed Safety, Stewardship, Efficacy, and Regulatory.** As a result, LumiGEN has become a trusted mark of assurance in seed treatments.

Look for the LumiGEN logo on your seed tag, and feel assured that you are using proven, industry-leading seed treatments that have been designed for your seed genetics.

Corn

Lumiscend™ PRO

FUNGICIDE SEED TREATMENT

Lumialza™

NEMATOCIDE SEED TREATMENT

Lumivia™

INSECTICIDE SEED TREATMENT

Soybeans

LumiTreo™

FUNGICIDE SEED TREATMENT

Lumiderm™

INSECTICIDE SEED TREATMENT

Canola

NEW

Lumiderm™

ONIQ

INSECTICIDE SEED TREATMENT

Lumiscend™

FUNGICIDE SEED TREATMENT

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Lumiscend™ Pro

FUNGICIDE SEED TREATMENT

Lumiscend™ Pro delivers multi-mode of action protection of early season diseases, adding a new level of protection against Rhizoctonia and Pythium species.

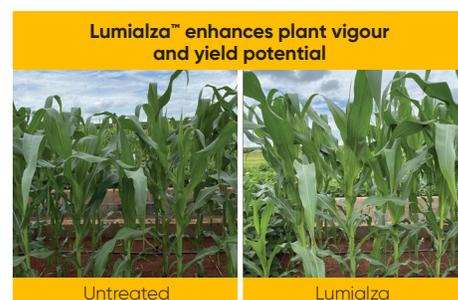
Lumialza™

NEMATICIDE SEED TREATMENT

Lumialza™ nematocide seed treatment is a biological nematocide that shields corn roots from harmful nematodes for over 80 days while cooperating with beneficial organisms to enhance crop vigour and yield potential.

Key benefits

- Lumialza™ is a biological nematocide that provides protection from key yield-robbing nematodes while cooperating with beneficial organisms for improved soil health.
- Lumialza provides over 80 days of protection, creating a large zone of protection by encompassing the entire area of root growth including lower, mid and upper root zones.
- Enhances plant vigour and yield potential by creating an optimal environment for root growth, crop development & uniformity.



Lumivia™

INSECTICIDE SEED TREATMENT

Lumivia™ insecticide seed treatment delivers excellent broad-spectrum protection on key early season corn insect pests.

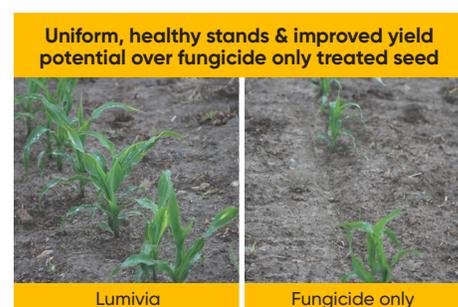
Key benefits

- Outstanding protection against key early season corn insect pests.
- Contains a Group 28 anthranilic diamide insecticide that remains concentrated in key areas of the corn plant after planting and protects through germination to the V5 growth stage.
- Simplifies your seed treatment decision.
- Offers a favourable environmental profile.

Lumivia Yield Advantage

+3.2 BU/
AC

In demo trials compared to FST only treatment.



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LumiGEN® Seed Treatments - Setting The Standard In Seedling Protection

Exclusive to Pioneer® brand seed, LumiGEN® seed treatments provide excellent broad-spectrum pest control and superior defense against early season diseases.

LumiGEN Corn Seed Treatments

Lumivia™

INSECTICIDE SEED TREATMENT

Unmatched Control.

Lumivia™ insecticide seed treatment delivers excellent broad-spectrum protection against key early-season pests.

Lumialza™

NEMATICIDE SEED TREATMENT

Unwavering Performance.

Shield corn roots from harmful nematodes for over 80 days with Lumialza™ nematocide seed treatment.

Lumiscend™ PRO

FUNGICIDE SEED TREATMENT

Superior Protection.

Lumiscend™ PRO fungicide seed treatment is a key component of our LumiGEN corn package, offering long lasting seed- and soil-borne disease protection.



Pioneer® brand corn is protected by industry-leading LumiGEN seed treatments. Consult your Pioneer sales representative for specific seed treatment recommendations.

LumiGEN Premium Performance Corn Seed Treatment Package

Product	Group	Disease, Nematode and Insect Protection
Lumiscend™ Pro	4, 7, 22	<ul style="list-style-type: none"> Pythium, Rhizoctonia, Fusarium, Corn head smut
Ipconazole	3	
Lumialza™	Biological	<ul style="list-style-type: none"> Key nematode species including sting, needle, lance, stubby-root, root-knot, dagger and lesion
Lumivia™ 500	28	<ul style="list-style-type: none"> Wireworm, White grub, Seedcorn maggot, Black cutworm

LumiGEN Premium High-Rate Insecticide Package for High Insect Pressure Environments

Product	Group	Disease, Nematode and Increased Insect Protection
Lumiscend™ Pro	4, 7, 22	<ul style="list-style-type: none"> Pythium, Rhizoctonia, Fusarium, Corn head smut
Ipconazole	3	
Lumialza™	Biological	<ul style="list-style-type: none"> Key nematode species including sting, needle, lance, stubby-root, root-knot, dagger and lesion
Lumivia™ 750	28	<ul style="list-style-type: none"> Enhanced protection from wireworm, White grub, Seedcorn maggot, Black cutworm
Clothianidin 500	4	

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LumiTreo™

FUNGICIDE SEED TREATMENT

LumiTreo™ fungicide seed treatment is a unique combination of 3 active ingredients, including Lumisena™ fungicide seed treatment, for excellent control of soybean seedling diseases, including Phytophthora.

Provides the best protection against Phytophthora.

- LumiTreo™ is backed by Lumisena™, providing the best protection against Phytophthora, the #1 yield-robbing soybean disease in North America.
- Provides excellent control of soybean seedling diseases caused by Fusarium, Rhizoctonia, Phytophthora, seed-borne Phomopsis, and seed rot fungi such as Aspergillus and Penicillium.
- LumiTreo translocates throughout the seed, root system, and aerial portions of the soybean plant. This provides additional protection against pathogens causing stem rots and seedling blights.



More vigorous growth and enhanced emergence

- LumiTreo delivers improved seedling vigour and excellent stand establishment, with larger, healthier soybean plants.

Lumiderm™

INSECTICIDE SEED TREATMENT

Lumiderm™ insecticide seed treatment provides broad spectrum protection from early season insect pests including bean leaf beetle, soybean aphid and now registered for cutworms.

Excellent Seedling Protection

- Lumiderm provides soybean seedlings with extended protection against soybean aphids, bean leaf beetles, seedcorn maggots, European chafers, Japanese beetles, white grubs, wireworms, and cutworms.
- This protection delivers a uniform, healthy stand that maximizes yield potential.

Lumiderm complements LumiTreo fungicide seed treatment and completes the LumiGEN soybean package. Add Lumiderm to maximize your soybean protection.

Lumiderm Target Pest:
Bean Leaf Beetle
Ontario Soybean Plot Site



FST = Fungicide Seed Treatment
IST = Insecticide Seed Treatment

FST only

Standard IST + FST

Lumiderm + Lumisena + FST

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LumiGEN® Soybean Seed Treatments



LumiGEN® seed treatments are exclusive to the seed brands of Corteva Agriscience, and represent the high performing, industry leading seed applied technologies that protect Pioneer® seeds genetics. LumiGEN seed treatments are designed, verified and proven to work with Pioneer seeds genetics, helping farmers establish healthy, uniform crops and maximize productivity.

The LumiGEN soybean seed treatment portfolio provides proven, industry-leading protection from disease, insects and nematodes in soybeans.

Pioneer seeds **premium performance soybean seed treatment package** includes our premium fungicide package and Lumiderm™ insecticide seed treatment. A nematicide and inoculant package can be added to this package for further protection.

Premium Fungicide Package		
Product	Group	Advanced Disease Protection
LumiGEN fungicide seed treatment with LumiTreo™ and Lumiante™	3, 11, 49, 4, 22	<ul style="list-style-type: none"> Fusarium Phytophthora Pythium Rhizoctonia Root rot
Premium Insecticide Package		
Product	Group	Advanced Insect Protection
Lumiderm™ insecticide seed treatment	28	<ul style="list-style-type: none"> Bean leaf beetle Seed corn maggot European chafer Masked chafer June beetle Wireworm Soybean aphid
Nematicide Package		
Product	Group	Insect & Nematode Protection
lLevo®	7	<ul style="list-style-type: none"> Sudden death syndrome Soybean cyst nematodes Root lesion nematodes
Inoculant Package		
Product	Group	Inoculation
Nodulator® PRO + Integral®	44	<ul style="list-style-type: none"> Prolongs rhizobia up to 225 days after application

LumiGEN® soybean fungicide seed treatment, featuring LumiTreo™ and Lumiante™, provides the best, most advanced protection against Phytophthora and Pythium for healthier, more vigorous soybean stands and higher yield potential.

LUMIGEN SOYBEAN FUNGICIDE SEED TREATMENT ADVANTAGES

- A complete solution to all early season disease complexes including Pythium, Rhizoctonia, and Fusarium, with industry leading protection against Phytophthora root rot.
- Developed for Corteva Agriscience seed brand genetics for a complete Corteva soybean acre, helping to ensure soybeans reach their full genetic potential.
- A unique combination of 5 highly effective modes of action, including Oxathiapiprolin, which provides unmatched control of Phytophthora root rot and improves overall soybean crop health.
- LumiGEN soybean fungicide seed treatment translocates through the seed, root system, and aerial portions of the soybean plant, providing above- and below-ground seedling disease protection.

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LumiGEN® Canola Seed Treatments



Lumiderm™ ONIQ

INSECTICIDE SEED TREATMENT

Key benefits

- Unmatched control of flea beetles and cutworms
- Accelerated crop growth through early season vigour and plant stand establishment
- Unwavering performance in any conditions

Lumiderm™ ONIQ insecticide seed treatment provides the most complete protection against both flea beetles and cutworms, in one convenient bag.



Lumiderm ONIQ



Industry standard

LUMIDERM ONIQ
7% MORE
PLANTS

THAN COMPETITOR TREATMENTS

Shown in 15 trials across Western Canada in 2024

Edmonton, AB. June 2025.

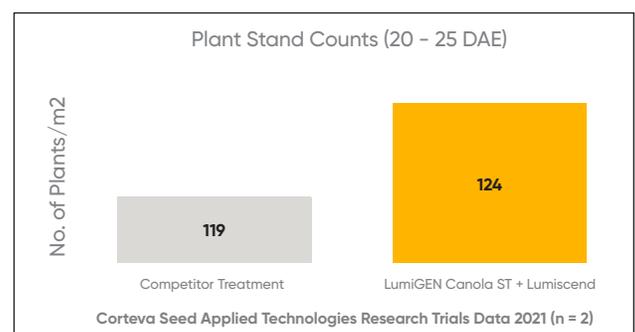
Lumiscend™

FUNGICIDE SEED TREATMENT

Key benefits

- A component of the LumiGEN canola disease package is Lumiscend™ a unique active ingredient for powerful airborne blackleg protection.
- The LumiGEN canola fungicide seed treatment contains four effective active ingredients for industry leading, broad spectrum disease protection.

Lumiscend™ fungicide seed treatment adds powerful airborne blackleg protection to the LumiGEN® canola disease package.



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LumiGEN® Canola Seed Treatments



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The LumiGEN canola seed treatment portfolio provides proven, industry-leading protection from diseases and insects in canola.

Pioneer seeds **premium performance canola seed treatment package** includes our premium fungicide and insecticide package.

Premium Insecticide and Fungicide Package		
Product	Group	Disease and Insect Protection
Lumiderm™ ONIQ	28	<ul style="list-style-type: none"> • Unmatched control of flea beetles and cutworms • Accelerated crop growth through improved early season vigor and plant stand establishment • Unwavering performance protecting canola crops longer, in any conditions
Thiamethoxam	4	<ul style="list-style-type: none"> • Early season flea beetle protection
Lumiscend™ fungicide seed treatment	7	<ul style="list-style-type: none"> • A unique active ingredient for powerful airborne blackleg protection • Seed decay/pre-emergence damping-off, post-emergence damping-off, seedling blight and root rot
Ipconazole Picoxystrobin Metalaxyl	3, 4, 11	<ul style="list-style-type: none"> • Seed and soil-borne blackleg • Seed-borne alternaria • Seed and seedling diseases: damping-off, seedling blight, seed rot, root rot caused by Rhizoctonia, Fusarium and Pythium spp.

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SEED APPLIED
TECHNOLOGIES



For more information on LumiGEN® seed treatments, ask your seed supplier or visit corteva.ca/contact to find your local Pioneer Territory Manager.

For corn, the Premium Insecticide, Fungicide and Nematicide Package includes Indiflin, Metalaxyl, Ethaboxam, Ipconazole, B. amyloliquefaciens PTA-4838 and chlorantraniliprole. The High-Rate Insecticide Package includes chlorantraniliprole and clothianidin.

For soybeans, the Premium Fungicide Package includes oxathiapiprolin, picoxystrobin, ipconazole, metalaxyl, and ethaboxam. The Premium Insecticide Package contains cyantraniliprole. The Nematicide Package contains fluopyram. The Inoculant Package contains Bradyrhizobium japonicum, bacillus subtilis.

For canola, the Premium Fungicide and Insecticide Package includes inpyrfluxam, ipconazole, picoxystrobin, metalaxyl, cyantraniliprole and thiamethoxam.

Components of LumiGEN:

Nodulator® PRO + Integral® (BASF);
Lumisena™, Lumiderm™ ONIQ, Lumivia™, Lumialza™, Lumiscend™,
Lumiscend™ Pro (Corteva Agriscience™)

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