

Enlist E3[®] and Nemasphere[™] Nematode Resistance Trait

Helps drive soybean yield from all angles



SCN Control

Built-in SCN protection for robust, season-long control



Weed Control

Tolerance to four herbicide modes of action gives farmers more control over tough, persistent weeds



Untapped Yield Potential

Maximizes the strengths of leading soybean varieties

Durable SCN Protection

The Nemasphere[™] nematode resistance trait from BASF delivers the first-and-only biotech trait for soybean cyst nematode (SCN) control*, unlocking a new dimension of yield potential by targeting the most costly and persistent barrier to higher soybean performance below the soil.

- Delivers a completely novel mode of action (MOA) proven effective against SCN
- Builds stronger soybean acres by reducing SCN-driven stress and vulnerability
- Delivers durable protection through built-in, season-long SCN control



Built to Perform with Elite Genetics

The Enlist E3[®] trait, jointly developed and owned by Corteva and M.S. Technologies, and Nemasphere nematode resistance trait is integrated with elite genetics to unlock the full agronomic potential of top-performing varieties. By delivering control from all angles, it helps maximize the seed's agronomic potential for more consistent, dependable performance across every acre.

Next-Generation Herbicide Tolerance

Anticipated for commercial availability in 2028, the Enlist E3 soybean trait will be stacked with the Nemasphere trait to push soybean yields even further.

This combines tolerance to **four industry-leading modes of action**, including mesotrione, an HPPD, for strong weed control where it counts.

Tolerance to Four Modes of Action For Weed Control

HRAC Group	Mode of Action (MOA)	Active Ingredient
Group 4	Synthetic Auxins	2,4-D
Group 9	EPSP Synthase Inhibitor	Glyphosate
Group 10	Glutamine Synthetase Inhibitor	Glufosinate
Group 27	HPPD Inhibitors	Mesotrione



Nemasphere[™]
Nematode Resistance Trait

BASF
We create chemistry

A New Standard for SCN Management



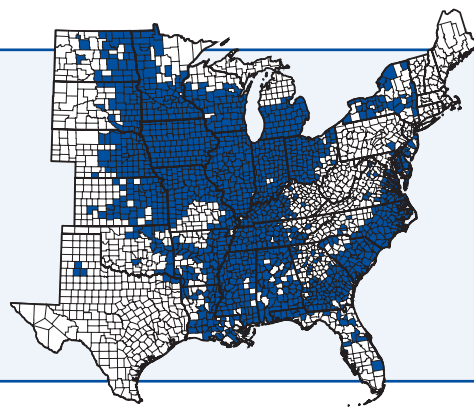
Did You Know?

- SCN can cause a 30% reduction in yield potential if left unmanaged¹
- SCN causes \$1.5 billion in revenue loss annually in the U.S. alone²
- 50% of soybean acres in the Midwest are infested with SCN³

¹ Crop Protection Network doi.org/10.31274/cpn-20210423-0

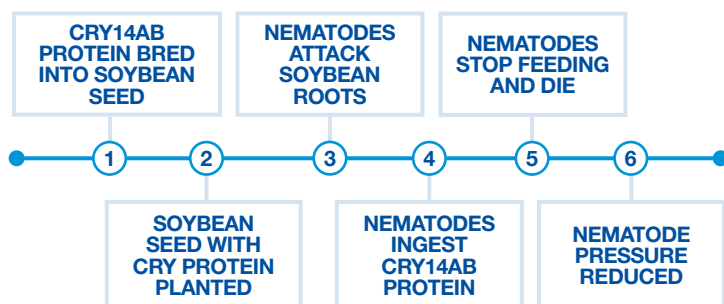
² Bandara et al., 2020. PLOS ONE 15(4): e0231141. <https://doi.org/10.1371/journal.pone.0231141>

³ The SCN Coalition thescncoalition.com/news/2025/01/10/scn-survey/



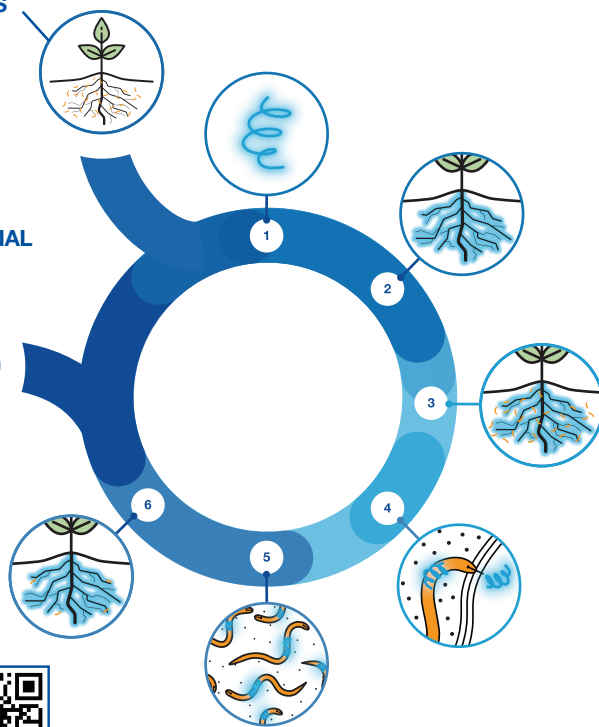
How It Works

The Nemasphere trait helps soybeans defend themselves by producing the Cry14Ab protein. This protein disrupts nematode gut lining, stopping SCN from feeding and causing them to die.



SOYBEAN ROOTS VULNERABLE TO NEMATODES

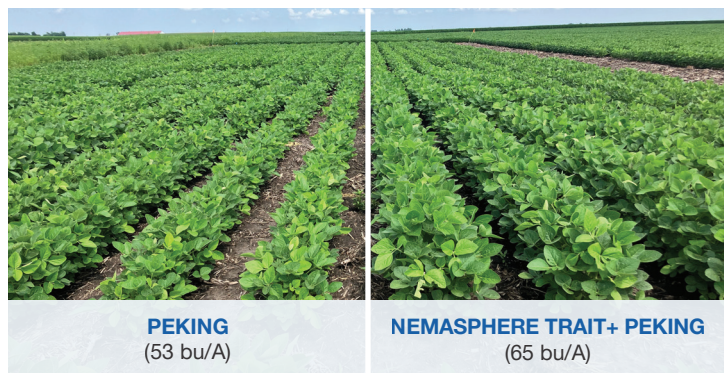
YIELD POTENTIAL UNLOCKED



To learn more about the Enlist E3 and Nemasphere trait system, scan the QR code or contact your local BASF representative.

Performance You Can See

The Nemasphere trait will be stacked with native resistance traits like Peking and PI 88788 to extend durability and deliver an enhanced layer of nematode protection.



Trial conducted in Nevada, IA. July 2022.



Nemasphere™
Nematode Resistance Trait

BASF
We create chemistry

*Available pending regulatory approvals for 2028.

The Nemasphere™ trait technology with mesotrione tolerance is owned and developed by BASF. Nemasphere is a trademark of BASF. The transgenic soybean event in Enlist E3® soybeans is jointly developed and owned by Corteva Agriscience and M.S. Technologies, L.L.C. BASF licensed its Nemasphere™ nematode resistance soybean trait to Corteva and M.S. Technologies, L.L.C. for use with Enlist E3® soybeans. Enlist E3® is a trademark of Corteva Agriscience.