

IMPROVE NUTRIENT UPTAKE, ROOT DEVELOPMENT & YIELD

NewLeaf Symbiotics[®] proprietary technology, Terrasym[®], contains pink pigmented facultative methylotrophs (PPFMs) and is now available as a planter box application and a seed treatment for soybeans. **Terrasym 401 and Terrasym 409 for Soybeans** are microbial inoculants that have been proven to consistently deliver improved nutrient uptake leading to robust early season root development, enhanced tolerance of abiotic stress throughout the growing season, and higher yields at harvest.

PRODUCT BENEFITS

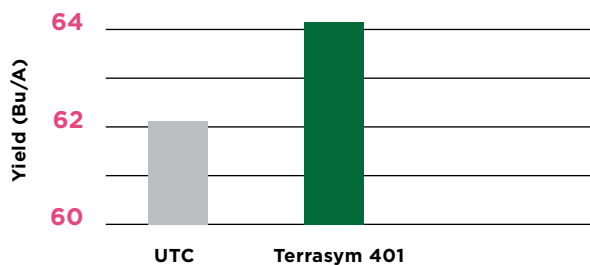
- Each product contains a unique strain of beneficial microbes called PPFMs, specially selected for use in soybeans.
- Harnesses PPFMs' natural partnerships with their plant hosts making crops more tolerant of abiotic stress while enhancing stability of performance from planting through harvest.
- PPFM microbes consume methanol, which can lower the energy cost for the plant to host them as symbionts.
- Features broad compatibility with 90 days on-seed stability when applied as a planter box application or as seed treatment.
- Compatible with all common seed lubricants and most planter types, **excluding soybean brush meter units.**

TERRASYM 401 FOR SOYBEANS

In-Field Performance*



+2.0 Bu/A average advantage | **75%** win rate | **16** total trials | **16** unique locations



- Shows enhanced development of soybean root area by +2.9%, rooting depth by +5.6% and root tips by +2.4%.**

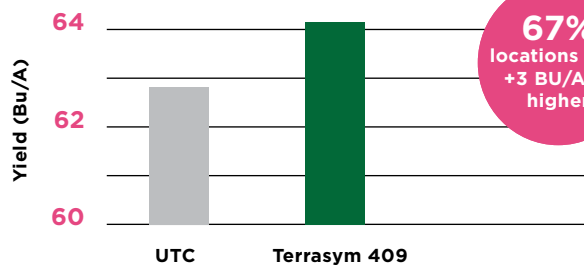
*Source: 2020 IN10T FarmerTrials data; **Source: Combination data set from 2020 IN10T Farmer Trials[®] & 2021 Ag Ingenuity Partner Trials; All untreated checks and PPFM treatments have base fungicide and insecticide application.

TERRASYM 409 FOR SOYBEANS

In-Field Performance*



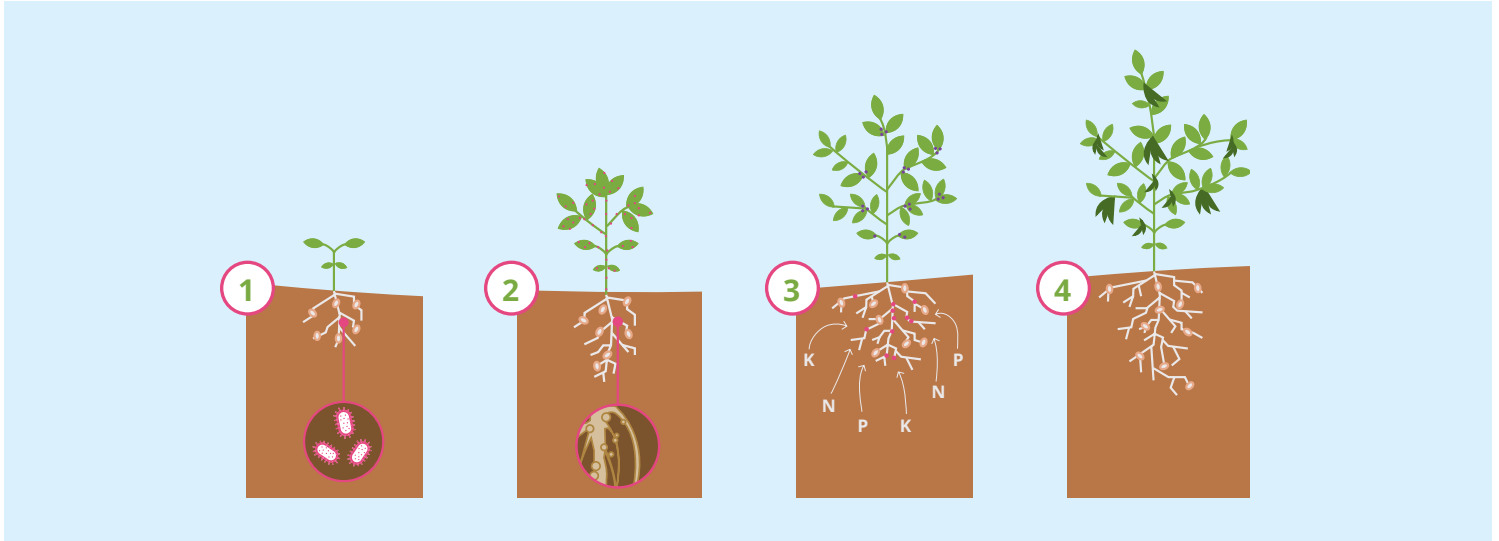
+2.0 Bu/A average advantage | **76%** win rate | **16** total trials | **16** unique locations



- Shows enhanced development of soybean root area by +12.4%, rooting depth by +10.3% and root tips by +7.8%.**
- Enhances nutrient uptake, showing improved leaf tissue nutrient concentration with a +20.7% increase in iron compared to an untreated control.*

HOW DOES TERRASYM FOR SOYBEANS WORK?

Terrasym products contain specially selected beneficial microbes called pink pigmented facultative methylotrophs (PPFMs). PPFMs establish a natural, permanent partnership with plants offering season-long benefits from planting through harvest.



1. As broad plant colonizers, PPFMs spread from the seed surface across a plant's roots and leaves.
2. PPFMs improve nutrient uptake by populating plant roots which promotes higher numbers of root tips and overall root mass in turn enhancing nutrient acquisition.
3. They also secrete beneficial molecules into the root zone that can bind and transport yield-enabling micronutrients.
4. Prolonged PPFM colonization and increased nutrient uptake result in increased chlorophyll content and enhanced photosynthetic efficiency, both of which translate to increases in yield.

TERRASYM 401 AND TERRASYM 409 FOR SOYBEANS + TALC USA 80/20 (TALC/GRAPHITE)

PRODUCT NUMBERS

401-4-160-TG or 409-4-160-TG

USE RATE/APPLICATION

0.125 oz of Terrasym 401 or 409 per unit of soybeans (at 140,000 population). Mix Terrasym with provided jug of Talc + Graphite, then apply

CASE SIZE

Four (4) pouches of Terrasym 401 or 409

Four (4) Jugs of Talc USA 80/20 seed lubricant

Each CoPack case treats 160 acres of soybeans at 140,000 population



Visit NewLeafSym.com
to learn more and order
online.

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 NewLeaf Symbiotics

Performance may vary from location to location and from year to year as local soil, climate and/or other conditions change. Always read and follow label directions. Check state registration to make sure product is registered in your state. NewLeaf Symbiotics® and Terrasym® are both registered trademarks.

