

EARLY, SEASON- LONG NITROGEN FOR SOYBEANS



Envita® is a naturally occurring, food-grade bacteria – *Gluconacetobacter diazotrophicus* – initially discovered in sugarcane. Envita forms a symbiotic relationship with the host plant and provides nitrogen to cells throughout the plant, both above and below ground, all season long.

Even though soybeans and other legume crops have a natural ability to fix nitrogen through their root system, Envita can give your soybean crop earlier access to the nitrogen it requires for emergence. Additionally, Envita stays active in the crop until the end of the season.

The Envita Difference

Unique to Envita is its ability to move intracellularly within plant cells. It is the leading bacteria proven to fix nitrogen within the plant cell – exactly where nitrogen is needed for plant growth.

Envita in SmartCartridge® containers can be applied prescriptively or whole-field at planting using the SIMPAS® application system, which provides unprecedented rate flexibility and control by management zone.

RECOMMENDATION

- With a SmartCartridge container, apply one quart per acre at planting in-furrow directly onto the seed. Avoid applying as a 2x2 placement.
- Use on a wide variety of soils – registered across all states in the continental USA.
- Envita can be applied in conjunction with other in-furrow treatments, including most fertilizers, micronutrients, fungicides and insecticides. Please check with your local AMVAC® representative for specific application questions.
- Calibrate liquid application system before planting.
- Please note storage and handling instructions.

KEY FEATURES

The nitrogen-fixing solution supplies cells throughout the plant, from root to foliage, with their own nitrogen source, unlike rhizobia, which fixes N only in nodules on the roots

Provides rapid availability of nitrogen in plant cells, a key benefit during early plant establishment

Requires less water and energy resources to transport nitrogen to the plant cell

Offers consistent, season-long availability of nitrogen, which can stabilize variability

See our entire line of products at AMVAC.com.

CONSIDERATIONS WHEN APPLYING ENVITA PRESCRIPTIVELY WITH SIMPAS APPLICATION SYSTEM

1

When developing a prescription, consider previous crop performance and yield dips within the field

2

Consider fields where poor nodulation has been observed in previous years

3

In higher-yielding areas of the field, the quantity of nodulation may be insufficient to support higher yields

4

Target challenged soils where the naturally occurring rhizobia count may be low due to improper soil pH, or areas in the field prone to regular flooding

5

In soils that are prone to drought, such as sandy soils, drought conditions can reduce the amount of nodulation

PROVEN PROFIT POTENTIAL

Over 260 Envita trials conducted in 2020 confirmed previous findings showing how Envita offers season-long N fixation when applied with a recommended nitrogen fertility program and increases yield in corn and soybeans. Farmers saw an average increase in soybean yield of 4.6 bu/ac.

Soybeans
+ 4.6 bu/ac
 Average Yield Increase

