MAXIMIZE PIVOT BIO PERFORMANCE WITH THESE

BEST MANAGEMENT PRACTICES

Pivot Bio's patented, gene-edited microbes are the most tested corn nitrogen (N) fixers on the market. This robust testing has helped build these ***best management practices*** for maximizing performance on your farm**.**

STEWARDSHIP

Pivot Bio products contain living microbes that must reach seeds alive to colonize roots and fix N.

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Apply LIF products alone, with non-chlorinated water or via direct injection (Dosatron, etc.), otherwise starter fertilizer compatibility should be tested annually.

Use certified seed treating partners, no other in-tank combinations with Pivot Bio OS products, and only treat with approved dry additive products.

Microbe viability decreases quickly when temperatures exceed 60°F and relative humidity surpasses 60%. Store products and treated seed in cool, dry conditions, and avoid direct sunlight. When storage isn't optimal, conduct on-seed viability testing.

ENSURE BALANCED FERTILITY

Pivot Bio products consistently increase in-plant N levels and yield potential, which increases the demand for other critical nutrients, like potassium (K) and sulfur (S).

For example, corn utilizes K in a ~1:1 and S in a ~10:1 ratio with N and it is crucial that those two nutrients (among all others) are available to go with the microbe supplied N.

Having a balanced soil pH and a favorable reproductive period can also be important to realize the added yield potential enabled by Pivot Bio products.

Pivot Bio agronomists are available to provide hands-on trial support, from trial design and placement to data interpretation, helping ensure trials are set up to deliver clear, actionable results. View real trial results from 125+ nationwide field trials with agronomic ROI.

Visit PIVOTBIO.COM/PROVENIT

TAILORED NITROGEN REPLACEMENT

Understanding N sources, amounts and timing, along with weather and soil effects, provides the foundation for determining how much N should be replaced. Replacement strategies should be personalized to each grower.

Pivot Bio products spoon-feed ammonium directly to the roots during vegetative growth, helping build a healthier plant and stronger yield potential from the start.

Because they provide a consistent N source early in the season, Pivot Bio products are ideally used to replace a portion of less efficient N sources, such as preseason-applied N.

In-season N applications should be maintained to meet the crop's peak demand during rapid growth and to support grain fill N uptake.

EVALUATE NITROGEN PROGRAMS APPROPRIATELY

Setting up Pivot Bio trials require careful planning and analysis in order evaluate the effect of the N replacement in addition to the Pivot Bio product.

Pivot Bio products at a replacement N rate should only be compared to the non-treated at the grower's standard N rate. With high N replacements, success is normally defined as achieving yield parity, which means Pivot Bio at the replacement N rate yields within ±1% of the yield of the non-treated, grower standard N rate.

Comparisons should be made within the same field and ideally with multiple replications of the treated and non-treated products and N rate combinations to help account for field variability. **Pivot Bio agronomists are available to provide hands-on trial support**.

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