

# Nitrogen Delivered

## Where and When it is Needed

Pivot Bio PROVEN<sup>®</sup> 40 purpose-built microbes optimize corn production through specifically placed and timed nitrogen delivery.



### Apply

Growers apply Pivot Bio microbes at planting, either as a seed treatment or in-furrow.



### Colonize

Microbes colonize roots, feed on substances from the roots, and produce nitrogen.



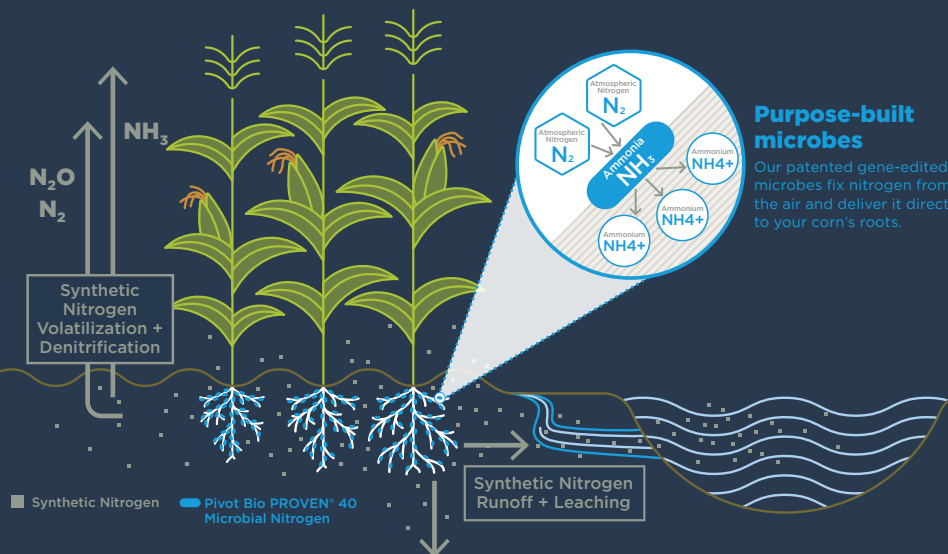
### Fix

Nitrogen is spoon-fed at the roots, avoiding any leaching, runoff or losses.



### Grow

As the plant grows, so does the microbial community, increasing nitrogen delivery as needed.



### Purpose-built microbes

Our patented gene-edited microbes fix nitrogen from the air and deliver it directly to your corn's roots.

## The Nitrogen Timing Challenge

Timing is everything when it comes to nitrogen application. The efficiency of traditional (synthetic) nitrogen sources is influenced not only by the quantity but also by the timing and method of delivery to the crop. While traditional nitrogen fertilizers have played a crucial role in enhancing crop productivity, often less than half of this applied nitrogen is utilized by the crops.

Understanding the importance of precise nitrogen timing and placement can lead us toward innovative solutions that complement traditional farming methods while improving nitrogen delivery and utilization. Pivot Bio's approach is designed to align nitrogen availability with crop demand, ensuring optimal growth and minimal environmental impact.

## Designed Specifically for Farmers to Enhance Corn Production

**Precision Timing:** Applied at planting, these microbes fix nitrogen from the air and deliver it directly to your corn's roots.

**Targeted Nitrogen Release:** Spoon-feed your crop with nitrogen delivered exactly where and when your corn needs it.

**Reduced Nitrogen Loss:** PROVEN<sup>®</sup> 40 microbes don't wash away, even during the heaviest rains, ensuring your corn gets the nitrogen it needs.

## Why Choose Pivot Bio PROVEN<sup>®</sup> 40

- Increase plant chlorophyll and plant mass for greater yield potential.
- Get nitrogen into your corn earlier in the growing season for healthier plants.
- No additional application cost.
- Replace up to 40 pounds of traditional nitrogen fertilizer per acre.
- Reduce denitrification and nitrous oxide emissions into the air and nitrate leaching & runoff into groundwater, streams and rivers.