AgroSpectrum ASIA
Envisaging Future | Updating Present

Pivot Bio launches innovative gene-edited nitrogen fixer for Cotton cultivation

03 March 2025 | News

Pivot Bio's latest technology is now accessible to growers and partners across the U.S. Cotton Belt.

Pivot Bio's latest technology is now accessible to growers and partners across the U.S. Cotton Belt.

A new synthetic cotton crop product has been commercially launched in the United States by Pivot Bio, one of the world's leading innovators in the agtech sector. Initially, Pivot Bio will make the product available through its distribution partners to a select group of growers in this season, with a full commercial launch planned for 2026.

CERT-Nâ?¢ will join other Pivot Bio products including PROVENÂ® and RETURNÂ®, and a soon-to-be-launched next generation product in corn for the 2026 season. Pivot Bio's patent-protected technology provides a steady source of nitrogen to cotton plants from emergence to harvest, providing weatherproof nitrogen and helping the crop reach its full yield and fiber quality potential.

A Pivot Bio product is the only gene-edited, nitrogen-fixing product on the market that delivers nitrogen directly to the roots of plants, even in the presence of artificial fertilizers and farm manure. This means Pivot Bio products are the only products now

available that provide nitrogen directly to the roots of plants.
In the cotton industry, CERT-N™ is the only gene-edited nitrogen fixer that is available. Applied as a seed treatment, it spoon-feeds nitrogen to the roots of the plants, so the crops are set up for early square retention, a higher boll count, and a healthier plant at the time of defoliation.

In Pivot Bio's 2024 large-scale farm trials across eight states, fields treated with CERT-Nâ?¢ replaced an average of 20% of their normal nitrogen program and saw an average yield gain of 50 pounds of lint per acre and a $35 boost in ROI.

CERT-Nâ?¢ is now available for sale to growers and partners in select Cotton Belt states. In 2025, Pivot Bio will conduct demo fields across the region to showcase the benefits of this new technology as part of a limited commercial launch. A full commercial launch is slated for 2026.