### 2022 Pivot Bio PROVEN<sup>®</sup> 40 Corn Response Trials Research Conducted by University of Georgia

<b>Objective</b>	<b>Location</b>
The study's objective was to determine the	Tifton, Georgia
yield and test weight impact of PROVEN <sup>®</sup> 40	<b>Trial Year</b>
on corn.	2022

This agronomic trial was a replicated small plot design consisting of the following five treatments:

	<ul> <li>210 Lbs. Nitrogen/A (Nontreated check)</li> </ul>	
Protocol	• 210 Lbs. Nitrogen/A + PROVEN® 40	
	• 230 Lbs. Nitrogen/A + PROVEN® 40	
	<ul> <li>250 Lbs. Nitrogen/A + PROVEN<sup>®</sup> 40</li> </ul>	
	<ul> <li>250 Lbs. Nitrogen/A (Standard Grower Rate)</li> </ul>	

## Replacing 20 lbs. of nitrogen with PROVEN<sup>®</sup> 40 resulted in greater yield and higher test weights compared to the Standard Grower Rate.



#### **Yield Response**

When the Standard Grower Rate of 250 lbs./A of synthetic nitrogen was reduced by 20 lbs./A, PROVEN® 40 replaced the synthetic nitrogen and increased corn yields by **+4 bu/A**.

When PROVEN<sup>®</sup> 40 was applied to the Standard Grower Rate of 250 lbs./A, yields improved by +9 bu/A. PROVEN<sup>®</sup> 40 outperformed the Nontreated check at the 210 lbs./A nitrogen application rate.

Similar results were observed in 2021 at this location with Pivot Bio PROVEN® (Data not presented).



#### **Test Weight**

When replacing 20 lbs./A of synthetic nitrogen with PROVEN® 40, the test weight was **+1.2 lbs./bu higher** than with the 250 lbs./A Standard Grower nitrogen rate. When PROVEN® 40 was applied with the Grower Standard Rate, test weight was **+3.2 lbs./bu higher**.



## 2022 Pivot Bio PROVEN® 40 Corn Response Trials Research Conducted by University of Georgia

<b>Objective</b> The study's objective was to determine the yield and test weight impact of PROVEN® 40 on corn.		Location Midville, Georgia
		2022
Protocol	<ul> <li>This single-location agronomic trial was an on-farm strip trial replicated four times and consisted of the following two treatments:</li> <li>250 Lbs. Nitrogen/A (Standard Grower Rate &amp; Nontreated Check)</li> </ul>	

#### • 250 Lbs. Nitrogen/A + PROVEN<sup>®</sup> 40

# **PROVEN®** 40 treated corn plants increased yield while reducing moisture compared to the control.

