Nitrogen Application Study CORN

PURPOSE:
To compare various nitrogen (N) application equipment options at V5 sidedress and their effects on yield.

Brand	Nitrogen Response	V5 Treatments	Percent Moisture	BU. / A.	BU. / A. Difference
4617SX	Higher N Response	Control: Coulter Sidedress Applicator	18.4	192.8	--
		360 Y-DROP®	18.3	196.6	+ 3.8
		N-Place™	18.4	194.8	+ 2.0
4721AMX™	N Efficient	Control: Coulter Sidedress Applicator	19.3	201.2	--
		360 Y-DROP®	19.2	198.8	- 2.4
		N-Place™	19.2	200.7	- 0.5
2-Hybrid Average		Control: Coulter Sidedress Applicator	18.9	197.0	--
		360 Y-DROP®	18.8	197.7	+ 0.7
		N-Place™	18.8	197.8	+ 0.8

(individual results may vary.)

Research in Collaboration with

BECK'S
PRACTICAL FARM RESEARCH

OBSERVATION:
With a cool, wet spring, our environmental conditions were prone to N loss. In the case of the N efficient hybrid, losing some N did not appear to make a huge difference, indicating that this plot had an ample supply of N. However, in the case of the higher N user, placing the N closer to the row led to a clear advantage. This yield advantage was likely due to the fact that this hybrid typically needs an additional 25 units of N when compared to the N efficient hybrid.

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