NITROGEN MODELING

The Mill™ DAS Decision Ag Solutions

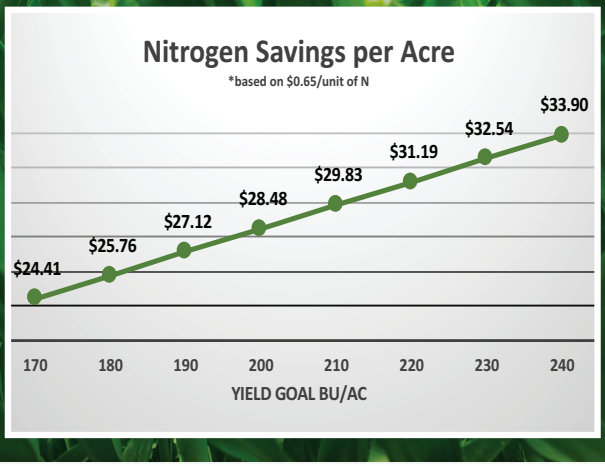
In-season nitrogen recommendation assistance driven by land management, soil reports, crop inputs, and near real-time weather data.

Data Observations

5 years of high quality results derived from large acre field trials and replicated research plots.

Nitrogen Use Efficiency (NUE) over that time period:

- **Average Grower Rate = 1.24 lbs N / bu**
- **Average Model Rate = 1.04 lbs N / bu**



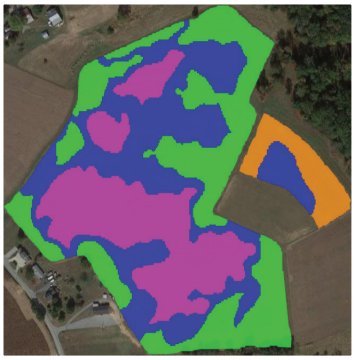
Field Setup

Point Based:

- Fast, easy Nitrogen recommendation for flat rate application

Zone Based:

- User defined zones
- Sub-field level management of every input parameter
- Variable rate recommendation exportable, and fully customized prescriptions



		Yield Goals
	A	240
	B	225
	C	205
	D-E	175
Average (based on acres)		219.67

Required Configuration Input

- Soil type & slope
- Soil organic matter
- Previous crop
- Expected harvest population
- Expected yield
- Tillage method

Additional Configuration Input

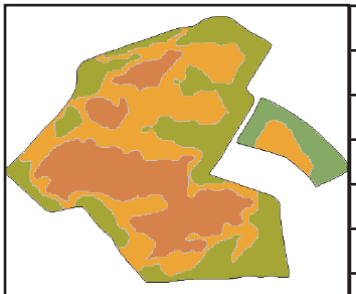
- Nitrogen applications
- Manure applications
- Cover crops
- Soil pH

The Mill/Decision Ag Solutions has resources to optimize your NUE across every acre.

Recommendation Summary

45/110

lbs N/acre (min/max)



	min	avg	max
N Mineralization	6	10	15
Total N Loss	88	93	96

	lbs N/acre	acres
	0	0
	1-21	0
	22-42	0
	43-63	2
	64-84	13
	85-105	14
	106-126	11
	127-150	0

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The Mill™

DAS
Decision Ag Solutions

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Decision Ag Solutions: The leading precision agronomy service delivering on farm profitability, nutrient efficiency and sustainability for future generations. Partnering with growers to understand the full potential of their fields by providing actionable solutions and support for every acre.

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