

Nitrogen Use Efficiency

Nitrogen Use Efficiency (NUE) Financial Incentives			
US Acres paid USD – Canadian Acres paid CAD			
NUE Scoring Criteria	US Regional Benchmarks (lb N applied/bu yield)		Financial Incentive
	Illinois, Indiana, Kentucky, Michigan, Missouri, Ohio, Pennsylvania	Kansas, Nebraska, North Dakota, Oklahoma, Washington	
Less than or equal to:	1.20	1.50	\$2.00/acre
Greater Than	1.21	1.51	No Incentive

4R Nitrogen Management

Nitrogen Management Category	Criteria	Requirement
Right Source	Guaranteed nitrogen analysis Apply nitrogen sources with guaranteed baseline analysis (applies to both synthetic and manures)	Required
	Secondary and/or micronutrient(s) Utilize secondary and/or micronutrient(s) in nitrogen applications at proper ratio. (Examples: sulfur, boron, zinc, and etc.)	Best Practices; Must utilize at least 1
	Nitrogen stabilization Apply a verified nitrogen stabilization product. (Active Ingredient(s) include: NBPT, DCD, Nitrapyrin, polymer- encapsulated urea)	
Right Rate	Routine nitrate soil sampling and/or residue testing Identify base nitrogen rate through understanding crop nitrogen removal and nutrient availability.	Required
	Management zones and/or variable rate Establish management zones based on historic performance and soil data, if possible, utilize variable rate application technology to maximize zone efficiency toward best economic return	Best Practices; Must utilize at least 1
	In-season condition monitoring Continue to monitor in-season conditions through scouting, tissue sampling, pre-top dress nitrogen testing, and/or other metrics to ensure maximum potential is utilized	
Right Time	If nitrogen is part of a fertilizer application during pre-planting or fall/winter, no more than 33% of total intended nitrogen application can be applied at that time. Note: sub-surface banded applications of nitrogen are allowed in fall planted wheat classes if a stabilizer is utilized.	Required
	Split spring applications Apply nitrogen multiple times in the spring during the active growing season	Best Practices; Must utilize at least 1
	Single spring applications Apply nitrogen one (1) time in the spring during the active growing season	
Right Placement	Sub-surface banding Apply nitrogen at planting	Best Practices; Must utilize at least 1
	Nitrogen cannot be applied on frozen ground	
	Liquid nitrogen application Streamed or banded during the active growing season	Best Practices; Must utilize at least 1
	Dry nitrogen application Full-width equipment or double spread during the active growing season	
	Sub-surface banding Apply nitrogen at planting	