

2022 MRTN Suggested N Rates for Corn

Soil Productivity Potential ¹	Previous Crop	N:Corn Price Ratio			
		0.05	0.10	0.15	0.20
		Suggested N Rate (lbs. N/acre)			
High/Very High	Corn	200 185-215 ²	175 165-190	160 150-175	150 140-165
	Soybean ³ and small grains ⁴	175 160-190	150 140-165	135 125-150	125 115-140
Medium/Low	Corn	170 155-185	150 140-165	140 130-155	125 115-140
	Soybean ³ and small grains ⁴	145 130-160	125 115-140	115 105-130	105 95-120
Loamy Sands and Sands (CEC < 8.0)	Irrigated – all crops	220 205-235	200 185-215	185 170-200	175 160-190

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¹ **Low**: average yield = < 135 bu/A; **Medium**: average yield = 136 to 165 bu/A; **High**: average yield = 166 to 195 bu/A; **Very High** = more than 196 bu/A; (average yield is the five-year running average disregarding unusual highs and lows).

² Range approximates \pm \$1 of the maximum return to N (MRTN) rate.

³ When the previous crop is soybean, the nitrogen credit is built into the recommendation. Do not take any additional nitrogen credit. Nitrogen credits for previously applied manure need to be subtracted from the N recommendations listed in the table.

⁴ Refers to small grains interseeded with leguminous cover crop species. Small grains not interseeded with leguminous cover crop species should default to previous crop corn.