

2019 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	195 180-210 ²	170 160-185	155 145-170	145 135-160
	Soybean ³ and small grains ⁴	170 155-185	145 135-160	130 120-145	120 110-135
Medium/Low	Corn	165 150-180	145 135-160	135 125-150	120 110-135
	Soybean ³ and small grains ⁴	140 125-155	120 110-135	110 100-125	100 90-115
Loamy Sands and Sands (CEC < 8.0)	Irrigated – all crops	215 200-230	195 180-210	180 165-195	170 155-185

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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.