2015 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	**175** 160-190[2]	**155** 140-170	**140** 130-155	**125** 115-140
	Soybean[3] and small grains[4]	**150** 135-165	**125** 115-140	**110** 100-125	**100** 90-115
Medium/Low	Corn	**145** 135-160	**135** 125-150	**125** 115-140	**110** 100-125
	Soybean[3] and small grains[4]	**120** 105-135	**100** 90-115	**90** 80-105	**80** 70-95
Loamy Sands and Sands (CEC < 8.0)	Irrigated – all crops	**215** 200-230	**195** 180-210	**180** 165-195	**170** 155-185

[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.

[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.