



Seeding Rate Optimized by Corn Yield

Average Corn Yield Bu/A	Agri-Business Consultants, Inc.	Purdue (a)	MN (b) Centrol Crop Consult.	OSU (c)	Pioneer (d) 2014 NE US	FieldScripts DeKalb (e)
0-100	22,000 (f)	21-24,000	22,000	?	?	?
100-130	25,000 (f)	27,000	23,000	24-26,000	27,000	Less Seed
130-160	30,000	33,000	27,000	31-33,000	29,000	Ave Seed
160-200	32,000	33,000	30,000	31-33,000	32-35,000	More Seed
200+	35,000	33,000	34,000	36-37,000	37,000	More Seed

Tests for optimal seeding rates in low yielding soils are hard to find.

Areas next to trees have reduced yield potential, use 20,000 seeding rate.

Seeding rate will result in at harvest population of 5-10% less due to less than 100% germ and post plant mortality.

(a) Nielsen, "Yield Response to Plant Population for Corn in Indiana 2014"

(b) Centrol Crop Consulting, 2011

(c) "OSU research sheds light on corn hybrids and seeding rates", 2010

(d) Pioneer Agronomy Sciences Research Summary, NE US 2014

(e) DeKalb FieldScripts Requirements 2014

(f) Personal communication, MI farmers

S. W. Wagner, Feb 14

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