

Iowa Corn Suitability Rating (CSR2) (IA)

Corn suitability ratings provide a relative ranking of all soils mapped in the state of Iowa based on their potential to be utilized for intensive row crop production. The CSR2 is an index that can be used to rate one soil's potential yield against another over a period of time. The CSR2 considers average weather conditions as well as frequency of use of the soil for row crop production. Ratings range from 100 for soils that have no physical limitations, occur on minimal slopes, and can be continuously row cropped to as low as 5 for soils with severe limitations for row crops. The ratings listed in this table assume a) adequate management, b) natural weather conditions (no irrigation), c) artificial drainage where required, d) that soils lower on the landscape are not affected by frequent floods, and e) no land leveling or terracing. The weighed CSR2 for a given field can be modified by the occurrence of sandy spots, local deposits, rock and gravel outcroppings, field boundaries, noncrossable drainage ways, and so forth. Even though predicted average yields will change with time, the CSRs are expected to remain relatively constant in relation to one another over time. Reference ISPAID manual, Iowa State University Extension Service.

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Iowa Corn Suitability Rating (CSR2) (IA)–Ringgold County, Iowa		
Map symbol	Map unit name	IA CSR2
13B	Olmitz-Zook-Humeston complex, 0 to 5 percent slopes	78
23C2	Arispe silty clay loam, 5 to 9 percent slopes, moderately eroded	62
24D	Shelby clay loam, 9 to 14 percent slopes	52
24D2	Shelby clay loam, 9 to 14 percent slopes, moderately eroded	51
24E2	Shelby clay loam, 14 to 18 percent slopes, moderately eroded	40
94D	Mystic-Caleb complex, 9 to 14 percent slopes	23
179D2	Gara loam, 9 to 14 percent slopes, moderately eroded	38
179E2	Gara loam, 14 to 18 percent slopes, moderately eroded	24
452C	Lineville silt loam, 5 to 9 percent slopes	48
452C2	Lineville silt loam, 5 to 9 percent slopes, moderately eroded	46
592D2	Mystic clay loam, 9 to 14 percent slopes, moderately eroded	10
S192C	Adair clay loam, heavy till, 5 to 9 percent slopes	39
S192C2	Adair clay loam, heavy till, 5 to 9 percent slopes, moderately eroded	29
S192D2	Adair clay loam, heavy till, 9 to 14 percent slopes, moderately eroded	9
S220	Nodaway silt loam, heavy till, 0 to 2 percent slopes, occasionally flooded	77

Iowa Corn Suitability Rating (CSR2) (IA)---Ringgold County, Iowa		
Map symbol	Map unit name	IA CSR2
S273C	Olmitz loam, heavy till, 5 to 9 percent slopes	77
W	Water	

Data Source Information

Soil Survey Area: Ringgold County, Iowa
Survey Area Data: Version 29, Sep 12, 2023