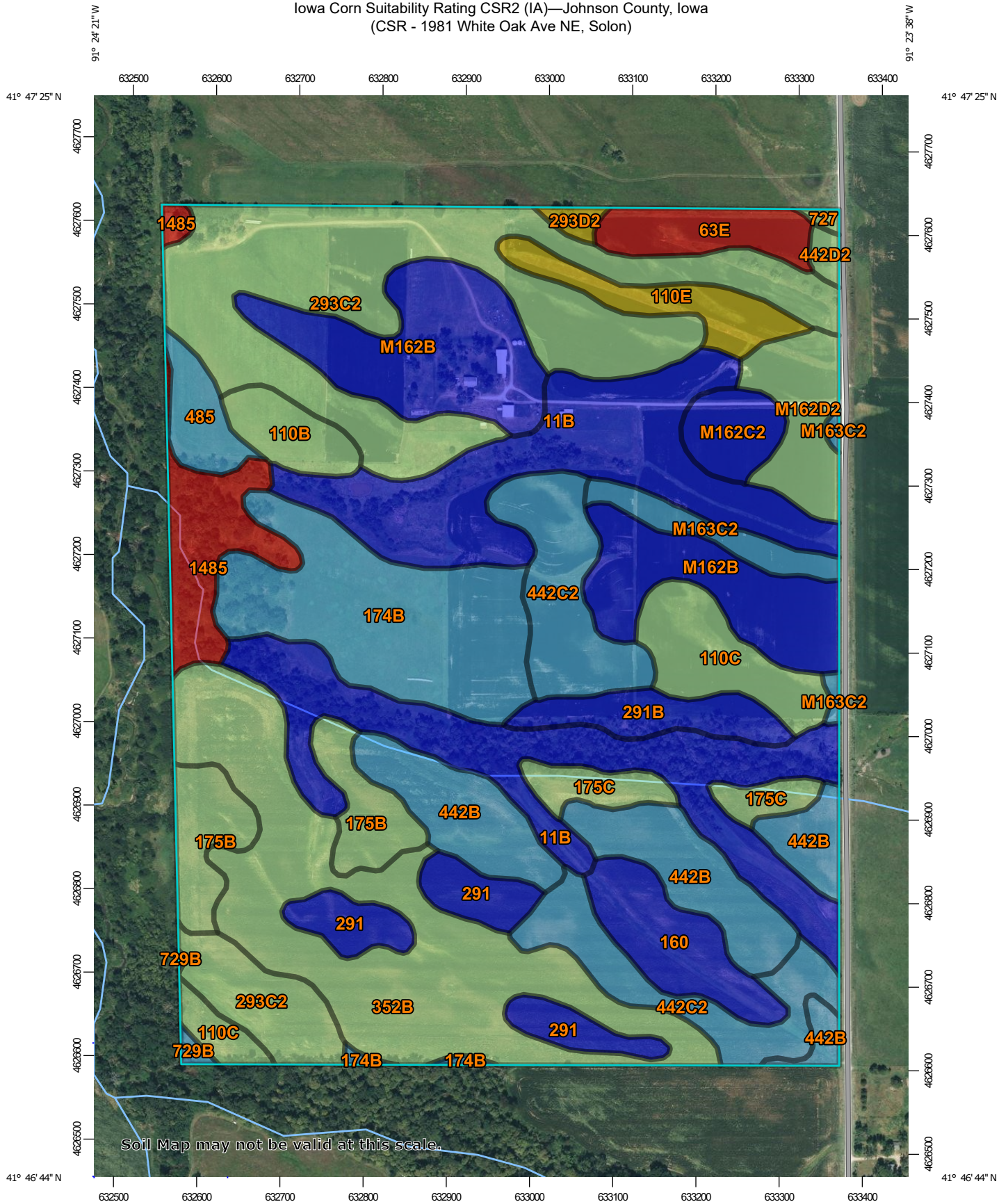
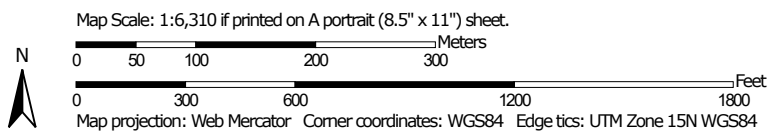


Iowa Corn Suitability Rating CSR2 (IA)—Johnson County, Iowa
(CSR - 1981 White Oak Ave NE, Solon)



Soil Map may not be valid at this scale.



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

Soil Rating Polygons

-  ≤ 5
-  > 5 and ≤ 24
-  > 24 and ≤ 57
-  > 57 and ≤ 76
-  > 76 and ≤ 90
-  Not rated or not available

Soil Rating Lines

-  ≤ 5
-  > 5 and ≤ 24
-  > 24 and ≤ 57
-  > 57 and ≤ 76
-  > 76 and ≤ 90
-  Not rated or not available

Soil Rating Points

-  ≤ 5
-  > 5 and ≤ 24
-  > 24 and ≤ 57
-  > 57 and ≤ 76
-  > 76 and ≤ 90
-  Not rated or not available

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Johnson County, Iowa
Survey Area Data: Version 29, Sep 8, 2026

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Data not available.

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Iowa Corn Suitability Rating CSR2 (IA)

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
11B	Colo-Ely complex, 0 to 5 percent slopes	86	31.6	15.4%
63E	Chelsea loamy fine sand, 9 to 18 percent slopes	5	3.5	1.7%
110B	Lamont fine sandy loam, 2 to 5 percent slopes	52	2.8	1.3%
110C	Lamont fine sandy loam, 5 to 9 percent slopes	47	6.4	3.1%
110E	Lamont fine sandy loam, 9 to 18 percent slopes	16	3.8	1.8%
160	Walford silt loam, 0 to 2 percent slopes	82	5.2	2.5%
174B	Bolan loam, 2 to 5 percent slopes	65	15.1	7.4%
175B	Dickinson fine sandy loam, 2 to 5 percent slopes	50	6.3	3.1%
175C	Dickinson fine sandy loam, 5 to 9 percent slopes	45	3.2	1.5%
291	Atterberry silt loam, 1 to 3 percent slopes	85	5.8	2.8%
291B	Atterberry silt loam, 2 to 5 percent slopes	85	3.6	1.7%
293C2	Chelsea-Fayette-Lamont complex, 5 to 9 percent slopes, eroded	41	30.2	14.8%
293D2	Chelsea-Fayette-Lamont complex, 9 to 14 percent slopes, eroded	24	0.6	0.3%
352B	Whittier silt loam, 2 to 5 percent slopes	50	23.3	11.4%
442B	Tama-Dickinson complex, 2 to 5 percent slopes	76	13.4	6.6%
442C2	Tama-Dickinson complex, 5 to 9 percent slopes, moderately eroded	68	12.8	6.2%
442D2	Tama-Dickinson complex, 9 to 14 percent slopes, moderately eroded	42	0.5	0.3%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
485	Spillville loam, 0 to 2 percent slopes, occasionally flooded	76	2.5	1.2%
727	Udolpho loam, 0 to 2 percent slopes	45	0.2	0.1%
729B	Nodaway-Arenzville silt loams, 1 to 4 percent slopes	71	0.3	0.1%
1485	Spillville loam, channeled, 0 to 2 percent slopes	5	5.7	2.8%
M162B	Downs silt loam, till plain, 2 to 5 percent slopes	90	17.8	8.7%
M162C2	Downs silt loam, till plain, 5 to 9 percent slopes, eroded	82	2.7	1.3%
M162D2	Downs silt loam, till plain, 9 to 14 percent slopes, eroded	57	4.6	2.2%
M163C2	Fayette silt loam, till plain, 5 to 9 percent slopes, eroded	76	2.8	1.4%
Totals for Area of Interest			204.5	100.0%

Description

This attribute is only applicable to soils in the state of Iowa. Corn suitability ratings (CSR2) provide a relative ranking of all soils mapped in the State of Iowa according to their potential for the intensive production of row crops. The CSR2 is an index that can be used to rate the potential yield of one soil against that of another over a period of time. Considered in the ratings are average weather conditions and frequency of use of the soil for row crops. 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 that are severely limited for the production of row crops.

When the soils are rated, the following assumptions are made: a) adequate management, b) natural weather conditions (no irrigation), c) artificial drainage where required, d) no frequent flooding on the lower lying soils, and e) no land leveling or terracing. The weighted CSR2 for a given field can be modified by the occurrence of sandy spots, local deposits, rock and gravel outcrops, field boundaries, and noncrossable drainageways. Even though predicted average yields will change with time, the CSR2 values are expected to remain relatively constant in relation to one another over time.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Higher