Prairie Agronomy

Disease scouting - Ridge Field

Field
Ortega Ridge > Ridge Field (Corn) · 100.7 ac

Advisor
Marcus Bell

Visit
Thu, Oct 1, 2026, 1:52 to 2:37 PM CDT

Prepared for
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Farm manager
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At a glance

1	Ponding damage on about 2 acres by the tile outlet, plants yellow.
2	Soil sample cores pulled on 2.5 acre grid, 8 inch depth.
4	Stand count 32,400 plants/ac across three 1/1000 ac checks, emergence fairly even.



6 captures · Dashed line: walked path
Imagery: © Mapbox © Maxar

Next
Recheck in 7 days

Observations

Visit Summary

Disease scouting - Ridge Field. Ponding damage on about 2 acres by the tile outlet, plants yellow. Soil sample cores pulled on 2.5 acre grid, 8 inch depth.

Direct Observations

Ponding damage on about 2 acres by the tile outlet, plants yellow.
Soil sample cores pulled on 2.5 acre grid, 8 inch depth.
Stand count 32,400 plants/ac across three 1/1000 ac checks, emergence fairly even.

Discussed Topics

Harvest timing
Fall fertility plan

Committed Actions

Recheck in 7 days
Send written recommendation to the grower


3 · Corn canopy and crop residue. Photo: USDA NRCS South Dakota. · 1:58 PM

Other captures

5	2:10 PM	Gray leaf spot lesions on the third leaf below the ear, maybe 5% of plants.
6	2:16 PM	Tar spot stromata found on two leaves near the waterway, first find this year.

NDVI, field average · Copernicus Sentinel-2 L2A via Microsoft Planetary Computer · Aug 8, 2026

Soil · USDA NRCS Soil Survey Geographic Database (SSURGO) via Soil Data Access · Oct 29, 2026

Crop history · USDA NASS Cropland Data Layer via CropScape · 2025, 2024

Terrain at pin · Mapbox Terrain-DEM v1 · Oct 1, 2026, 1:52 PM CDT

Metrics

Metric	This visit
Grain moisture %	20.6
Plant height (in)	91
Weed pressure (0-5)	2
Disease severity (%)	9.4

First metrics at this location. Comparisons start next visit.

Field conditions

As of Oct 1, 2026, 1:52 PM CDT

NDVI, field average	0.902

Sentinel-2 pass Aug 8, 2026, Last clear pass before the visit

Crop 2025	Corn (100.0%)
Crop 2024	Soybeans (99.8%)
Terrain at pin	1079 ft · 1.0 to 1.6% · SE

Soil

Top 3 of 8 map units

Clarion loam · L138B · Well drained	37 %
Canisteo clay loam · L507 · Poorly drained	26 %
Nicollet loam · L55 · Somewhat poorly drained	25 %

Follow-ups

Task	Owner	Due
Pull soil samples after corn harvest	Marcus Bell	Nov 15, 2026

Sign-off

Marcus Bell

Signed electronically, Oct 2, 2026, 2:37 PM CDT