AGVISE Soil Test Summary 2020 Minnesota, North Dakota South Dakota, Manitoba

Regional summary of residual soil nitrate after major crops and soil test nutrient levels

Soil samples collected as a precision sample (grid or zone)

Trend from 1998 to 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples submitted using AGVISE Online Submission

Trend from 2010 to 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following wheat in 2020

Data not shown where n< 100
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Residual nitrate variability following wheat in 2019 & 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following wheat

Trend from 1986 to 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual deep nitrate following wheat

Trend from 1986 to 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate variability following barley in 2019 & 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following barley

Trend from 1986 to 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following canola in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate variability following canola in 2019 & 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following canola

Trend from 1995 to 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate variability following dry bean in 2019 & 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following dry bean

Trend from 1986 to 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate variability following sugarbeet in 2019 & 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following sugarbeet

Trend from 1986 to 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate variability following sunflower in 2019 & 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following sunflower

Trend from 1986 to 2020

Data not shown where n< 100
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Residual nitrate following soybean in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate variability following soybean in 2019 & 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following soybean

Trend from 1995 to 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following corn in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate variability following corn in 2019 & 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following corn

Trend from 1995 to 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate variability following fallow in 2019 & 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Residual nitrate following fallow

Trend from 1986 to 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with soil test phosphorus below 15 ppm (Olsen P) in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with soil test potassium below 150 ppm in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with soil test potassium below 200 ppm in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with soil test magnesium below 150 ppm in 2020

Percent of samples (0-6 inch)

50
40
30
20
10
0

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with soil test sulfur below 15 lb/acre in 2020

Percent of samples (0-6 inch)

75

50

25

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with soil test chloride below 40 lb/acre in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with soil test boron below 0.4 ppm in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with soil test copper below 0.5 ppm in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with soil test zinc below 1.0 ppm in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with soil pH below 6.0 in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with subsoil pH below 7.0 in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with soil pH above 7.3 in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with calcium carbonate above 5.0 % CCE in 2020

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with high risk of soybean iron deficiency chlorosis (IDC) in 2020

Percent of samples (0-6 inch)

60

40

20

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil samples with salinity above 1.0 dS/m (1:1) in 2020

Percent of samples (0-6 inch)

30
20
10
0

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil salinity trend (EC > 1 dS/m 1:1) across the northern Great Plains

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Soil salinity trend (EC > 1 dS/m 1:1) across the northern Great Plains

Data not shown where n< 100
AGVISE Laboratories, Northwood, ND

Postal code areas for soil test summary