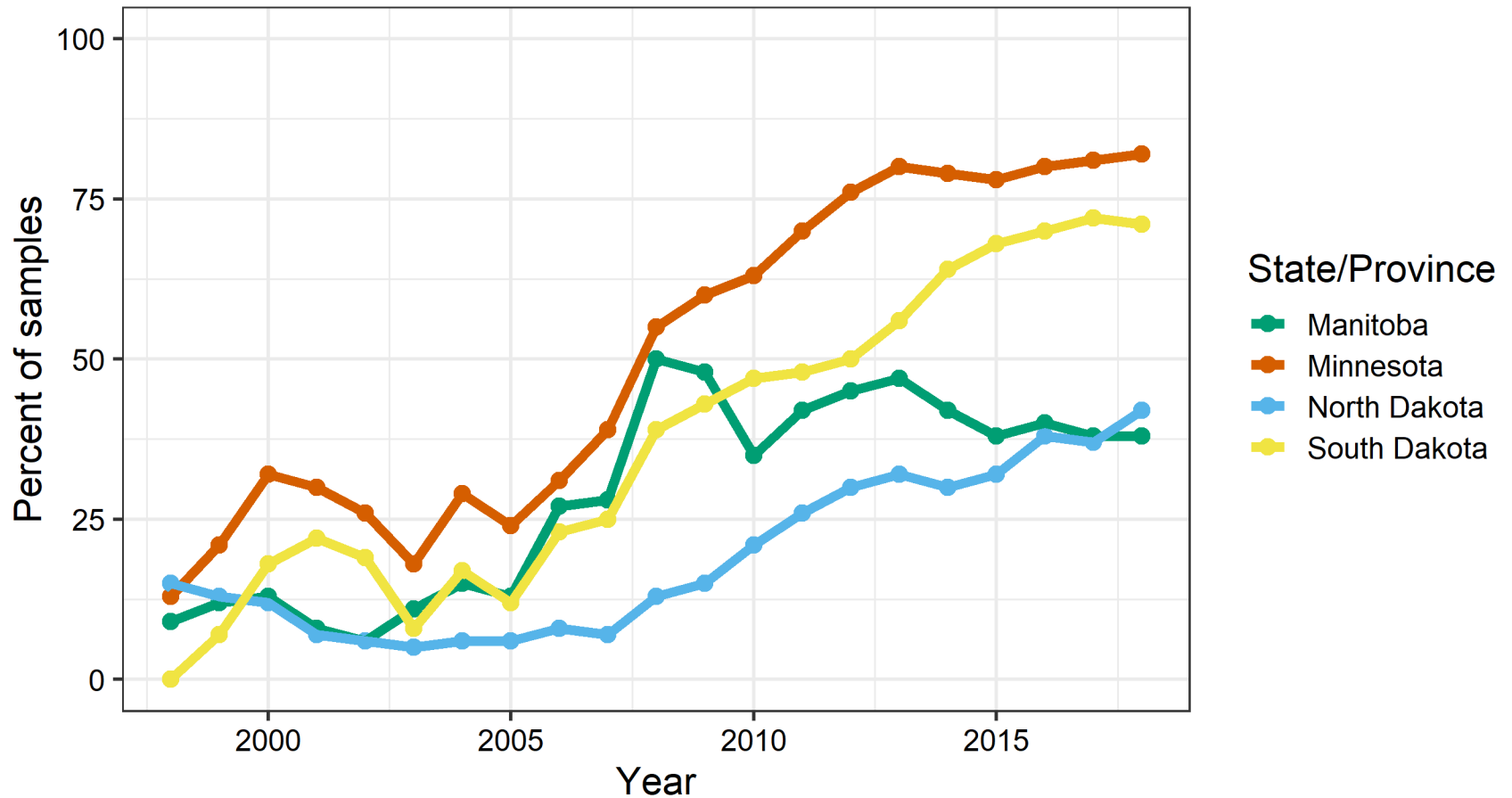


Soil samples collected as a precision sample (grid or zone)

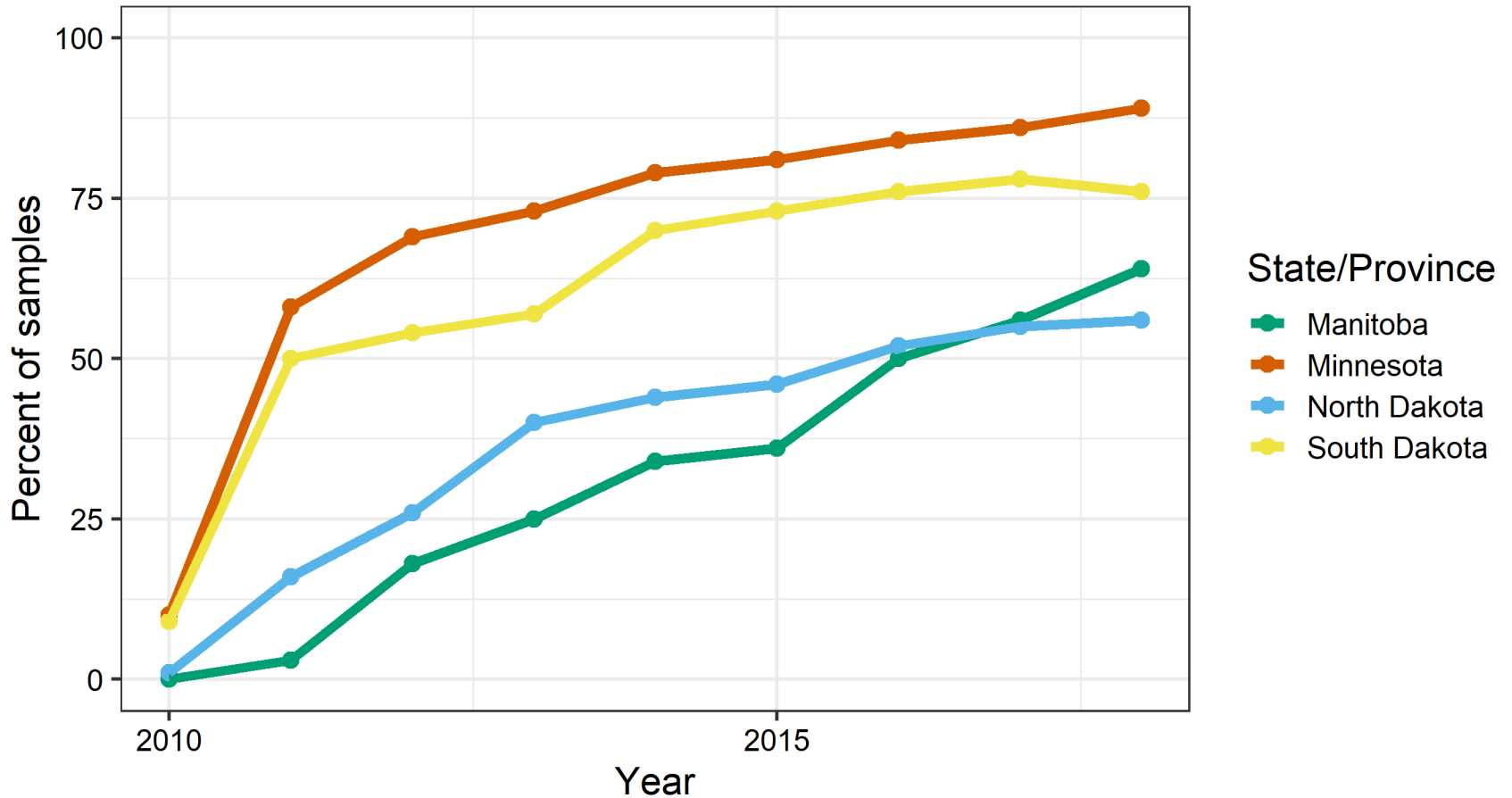
Trend from 1998 to 2018



AGVISE Laboratories, Northwood, ND

Soil samples submitted using AGVISE Online Submission

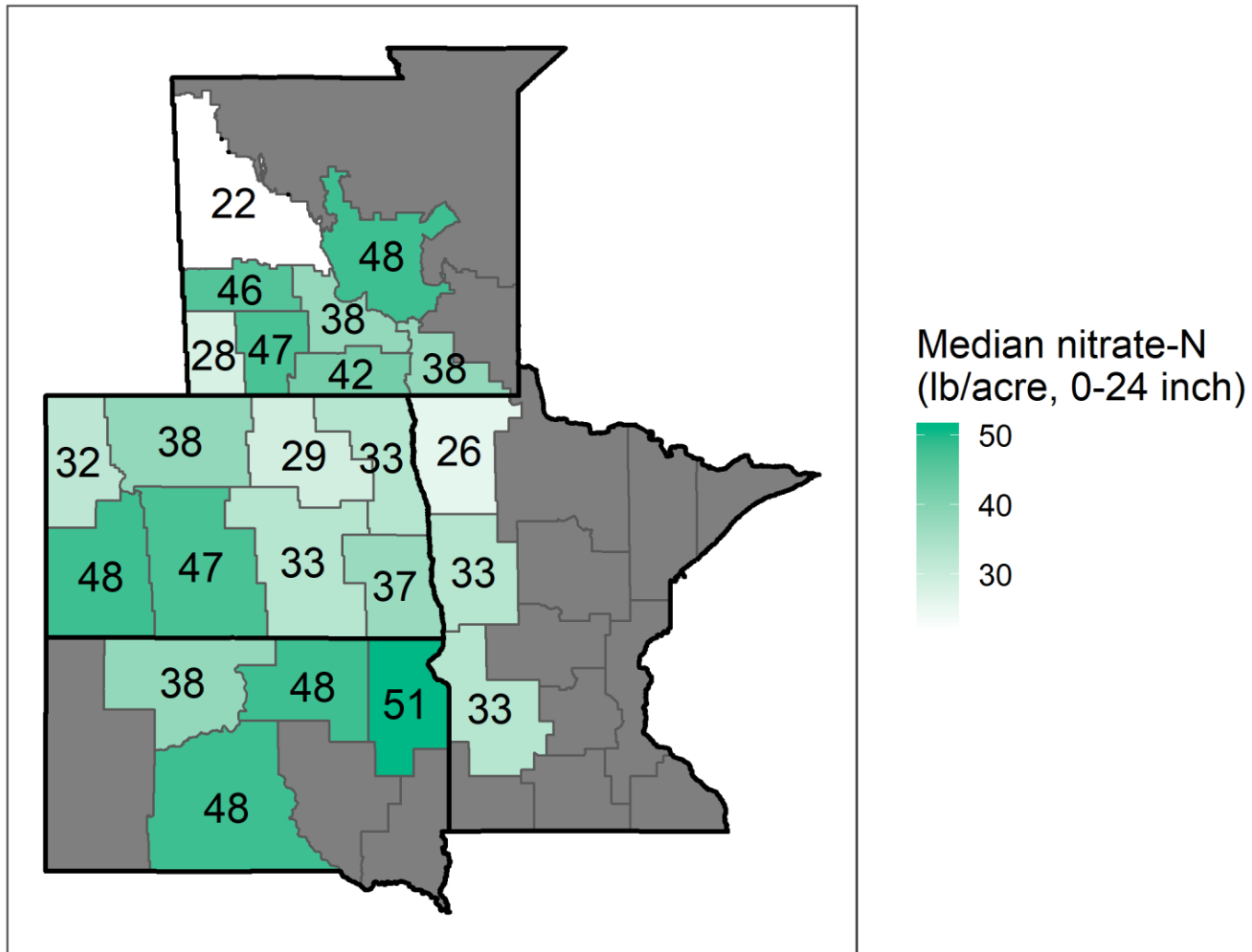
Trend from 2010 to 2018



AGVISE Laboratories, Northwood, ND

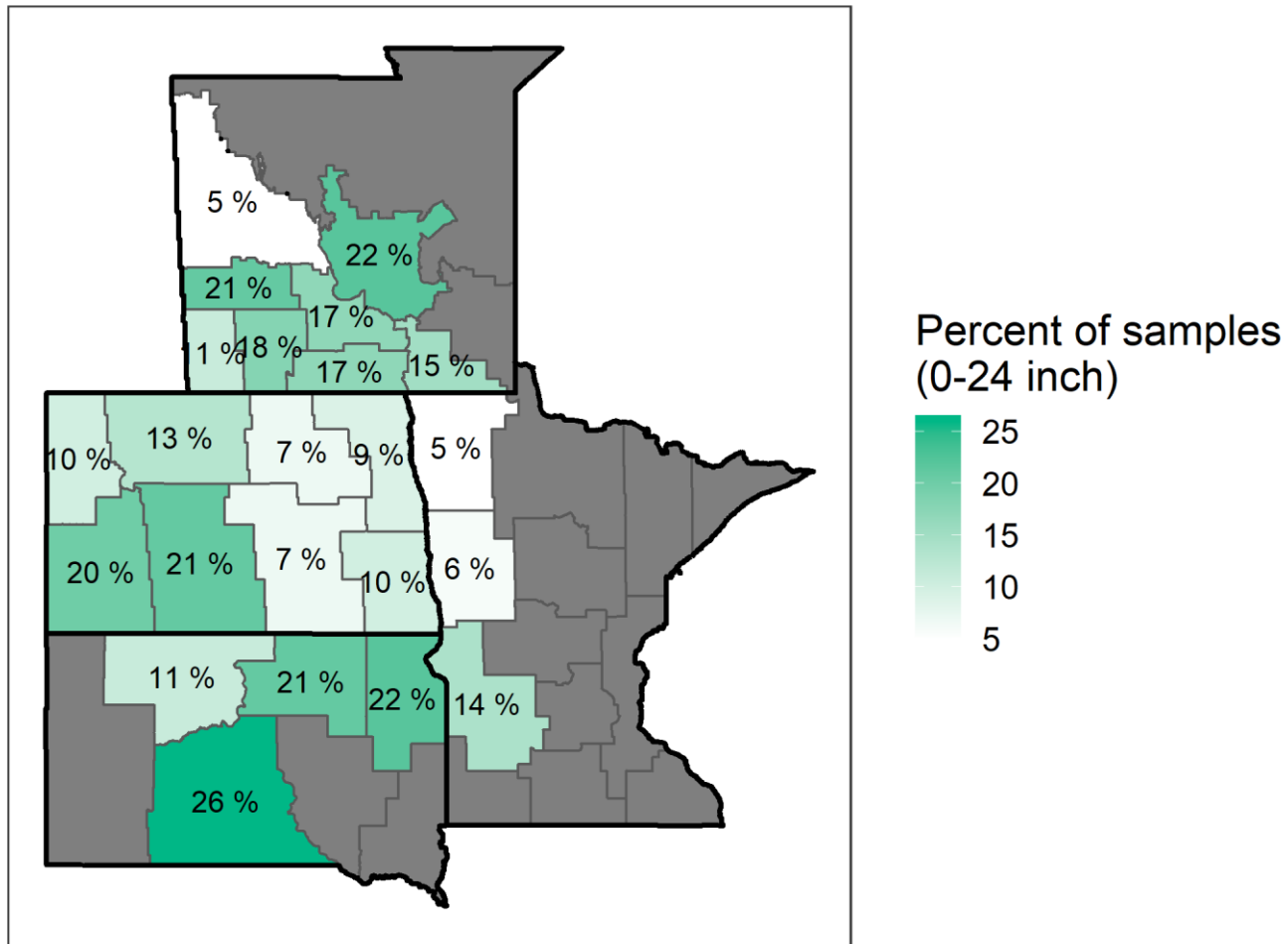


Residual nitrate following wheat in 2018



AGVISE Laboratories, Northwood, ND

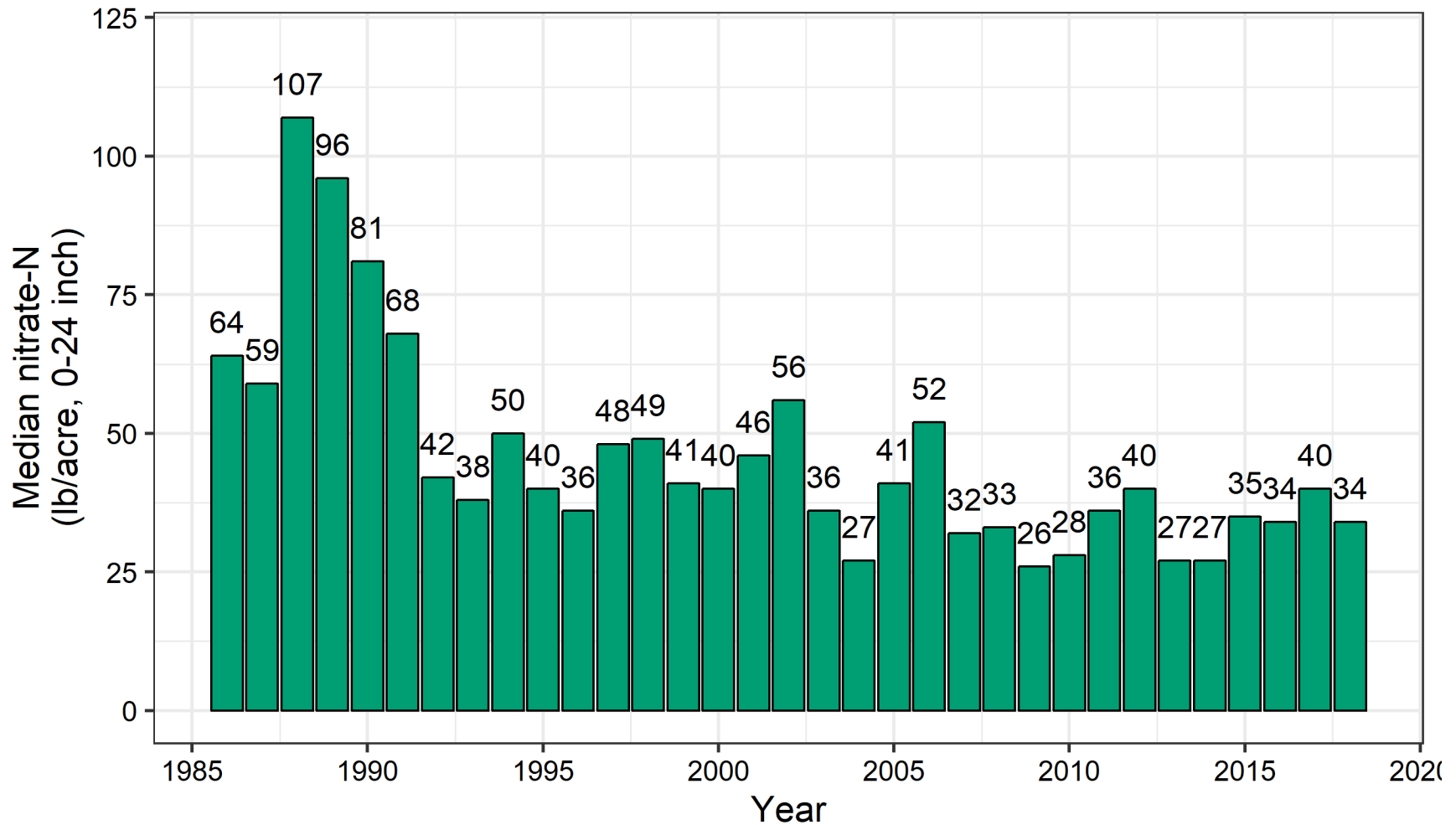
Soil samples with residual nitrate-N greater than 80 lb/acre following wheat in 2018



AGVISE Laboratories, Northwood, ND

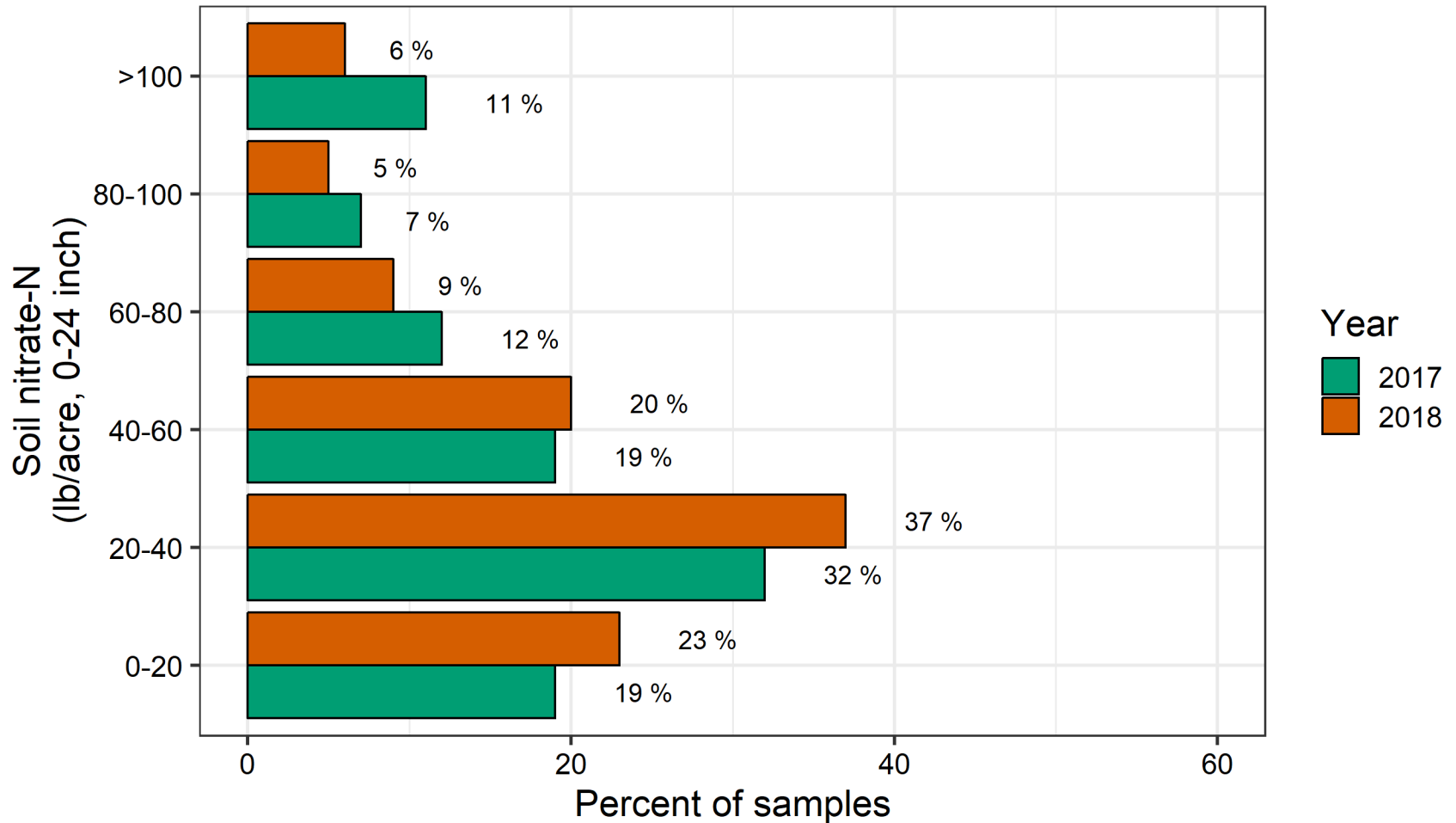
Residual nitrate following wheat

Trend from 1986 to 2018



AGVISE Laboratories, Northwood, ND

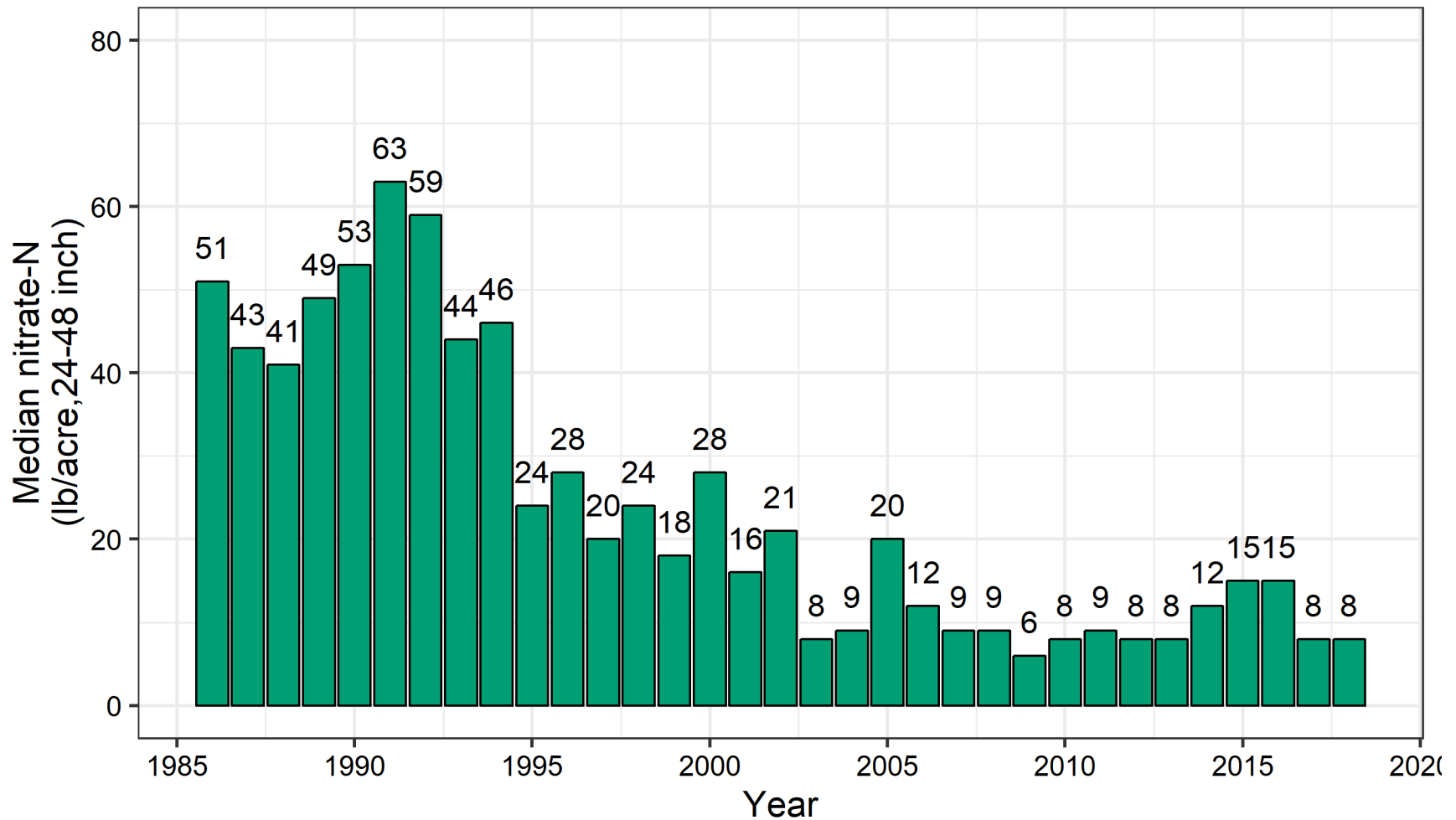
Variability in residual nitrate following wheat in 2017 & 2018



AGVISE Laboratories, Northwood, ND

Residual deep nitrate following wheat

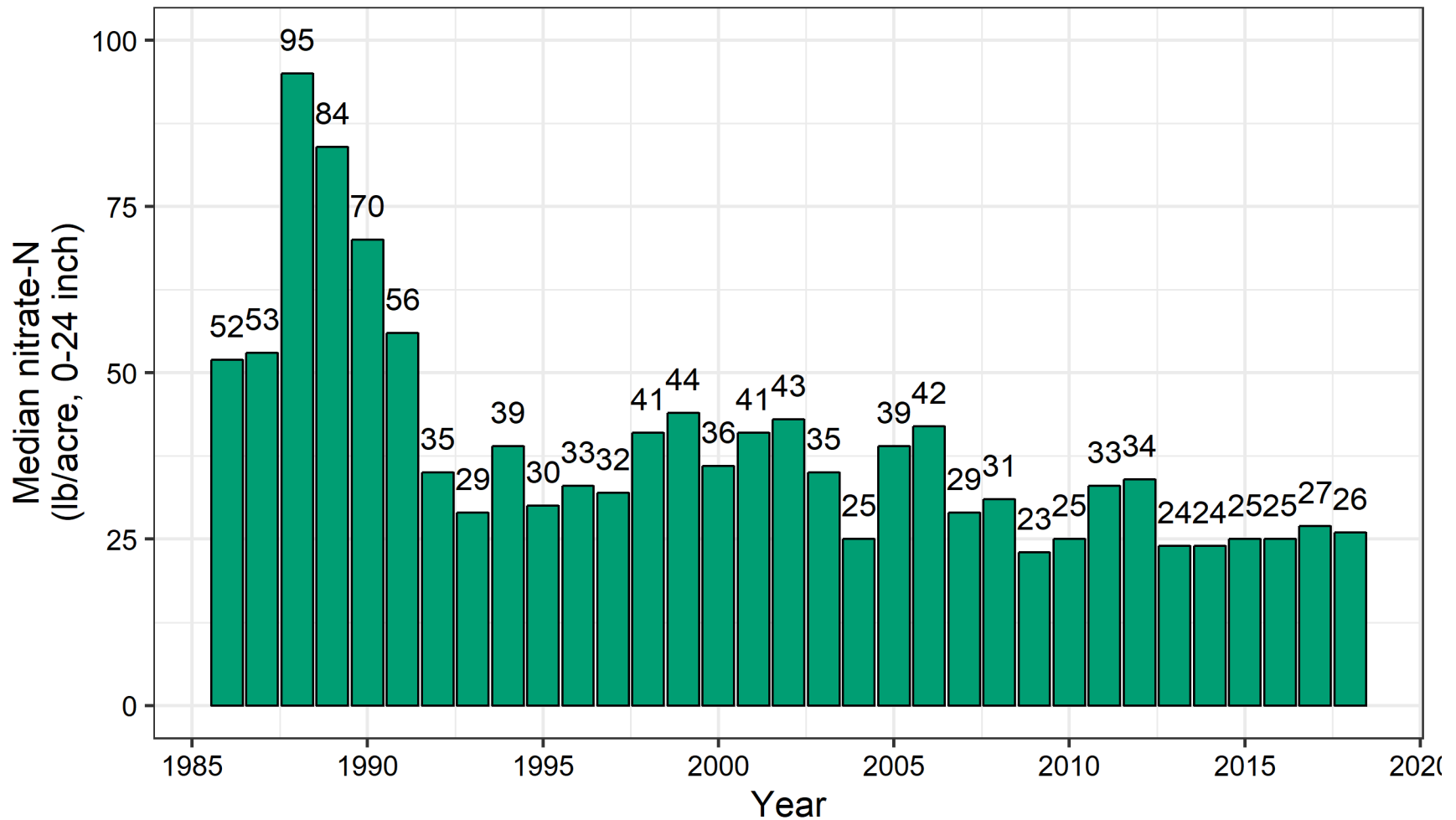
Trend from 1986 to 2018



AGVISE Laboratories, Northwood, ND

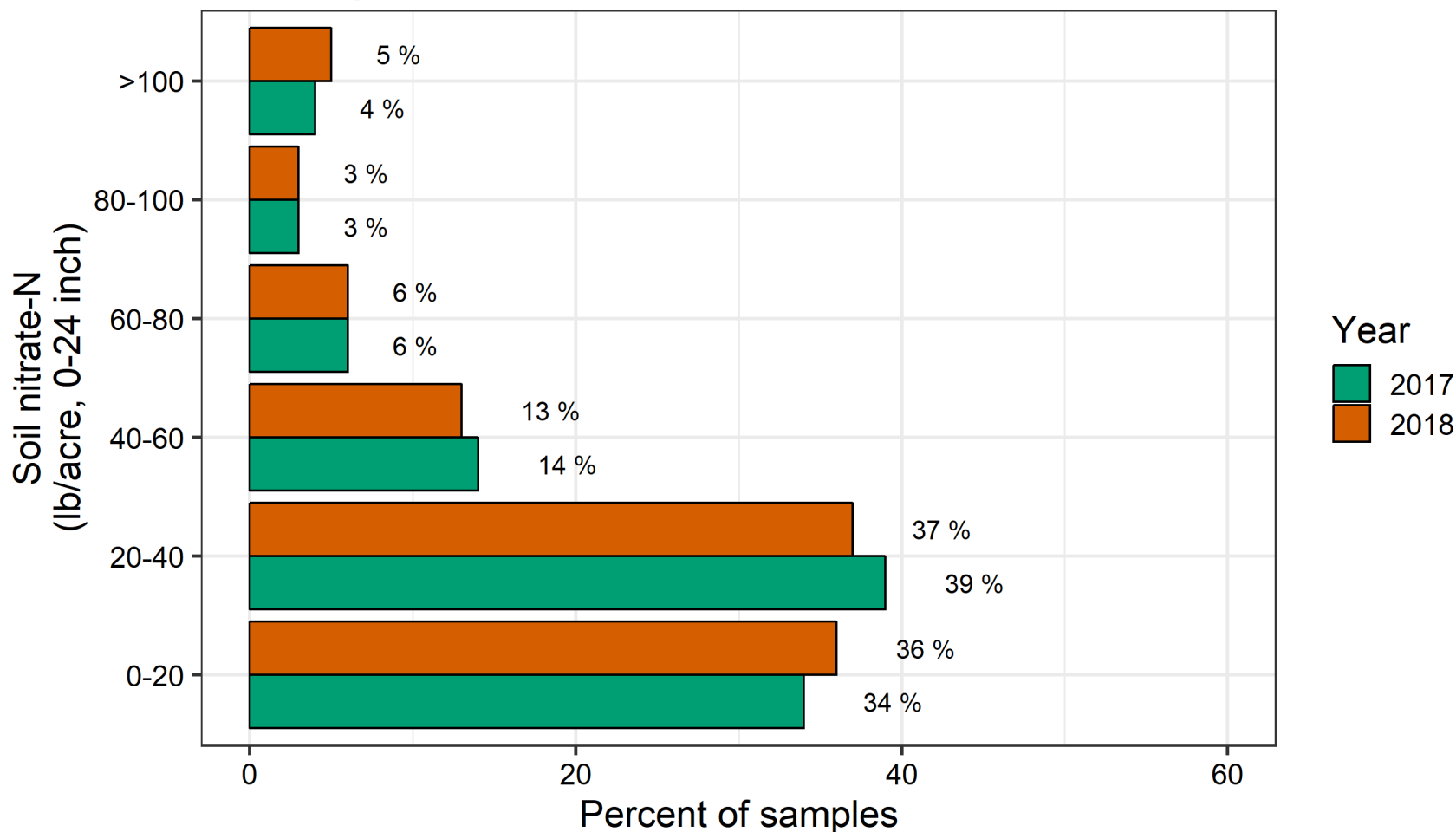
Residual nitrate following barley

Trend from 1986 to 2018



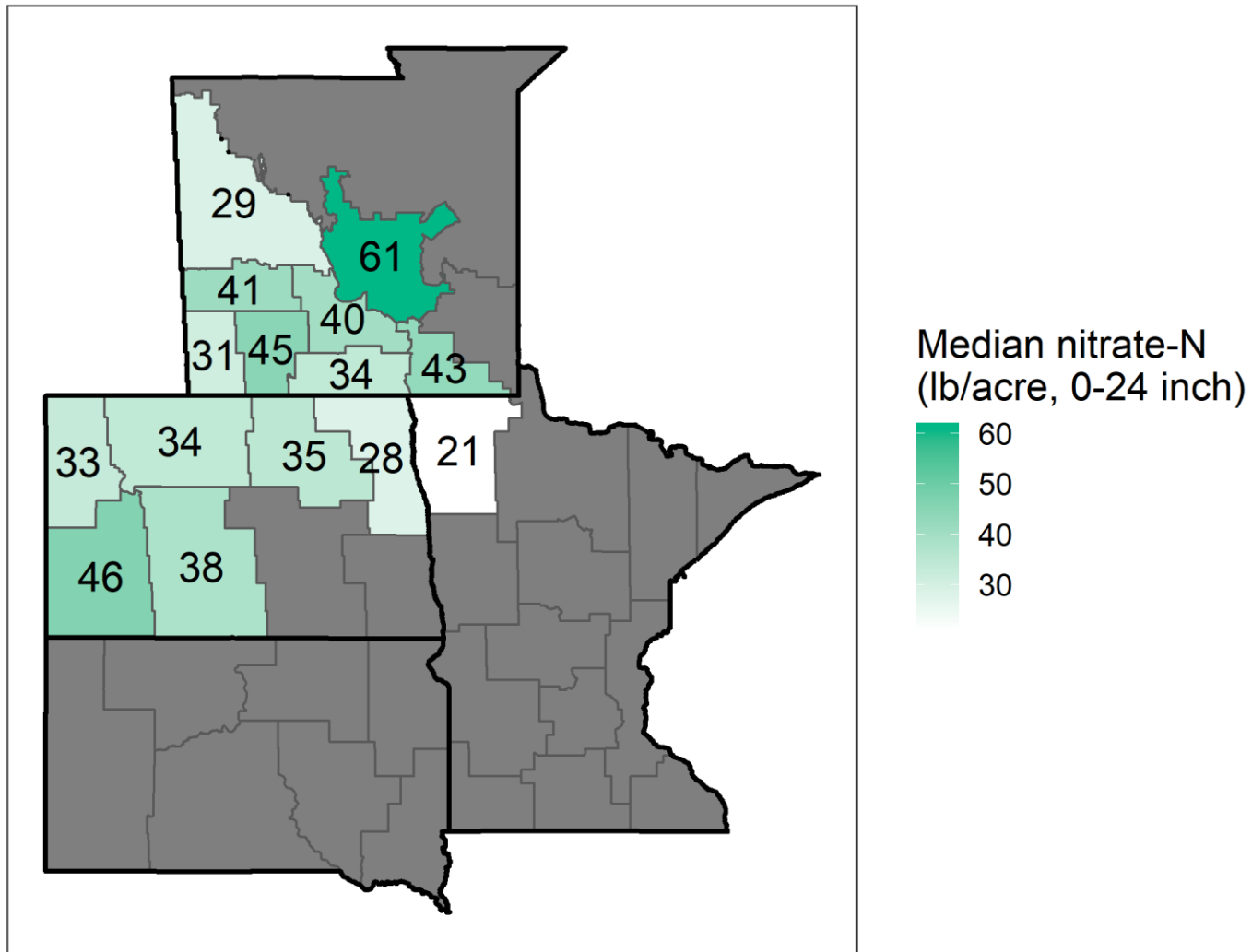
AGVISE Laboratories, Northwood, ND

Variability in residual nitrate following barley in 2017 & 2018



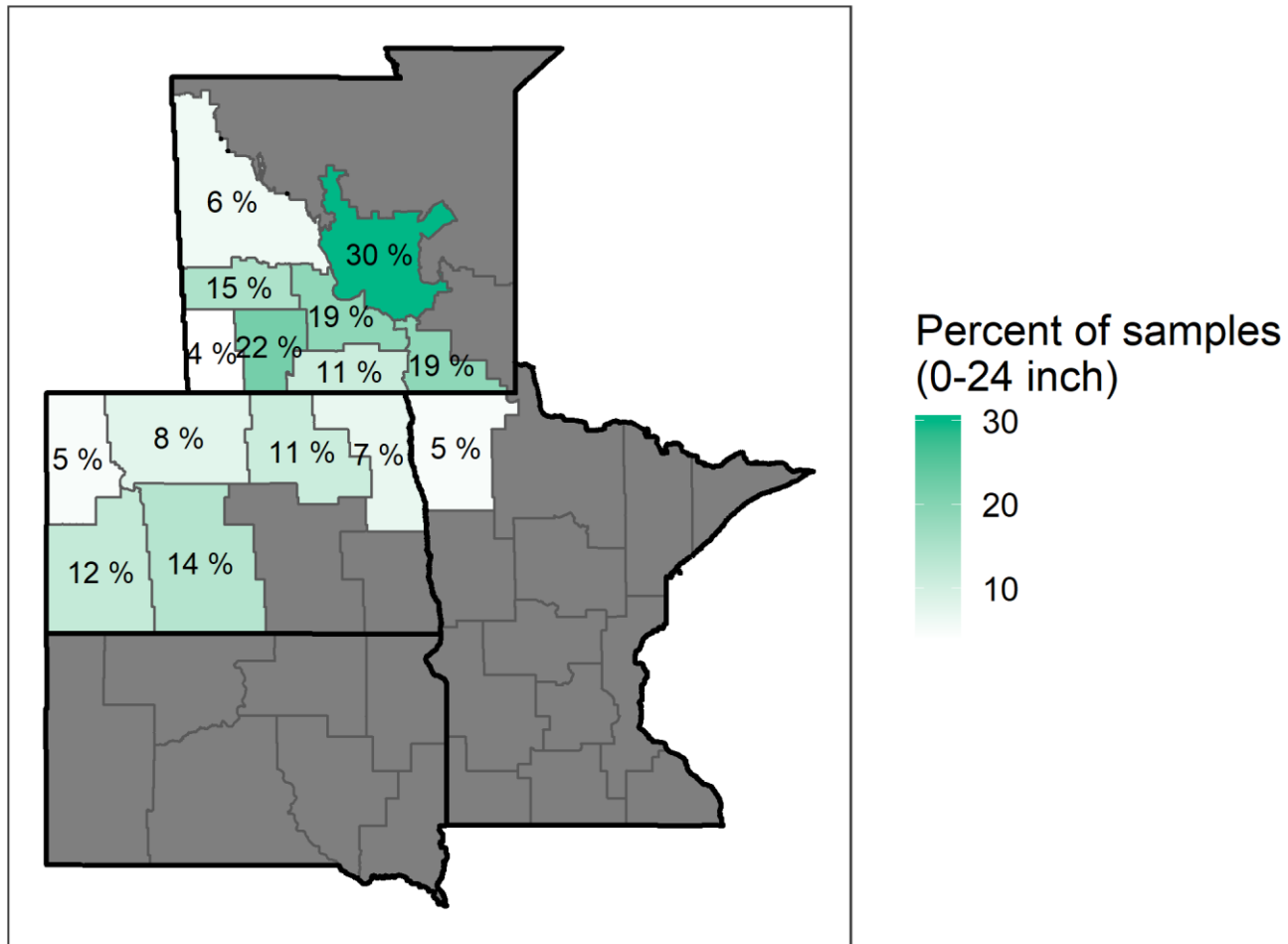
AGVISE Laboratories, Northwood, ND

Residual nitrate following canola in 2018



AGVISE Laboratories, Northwood, ND

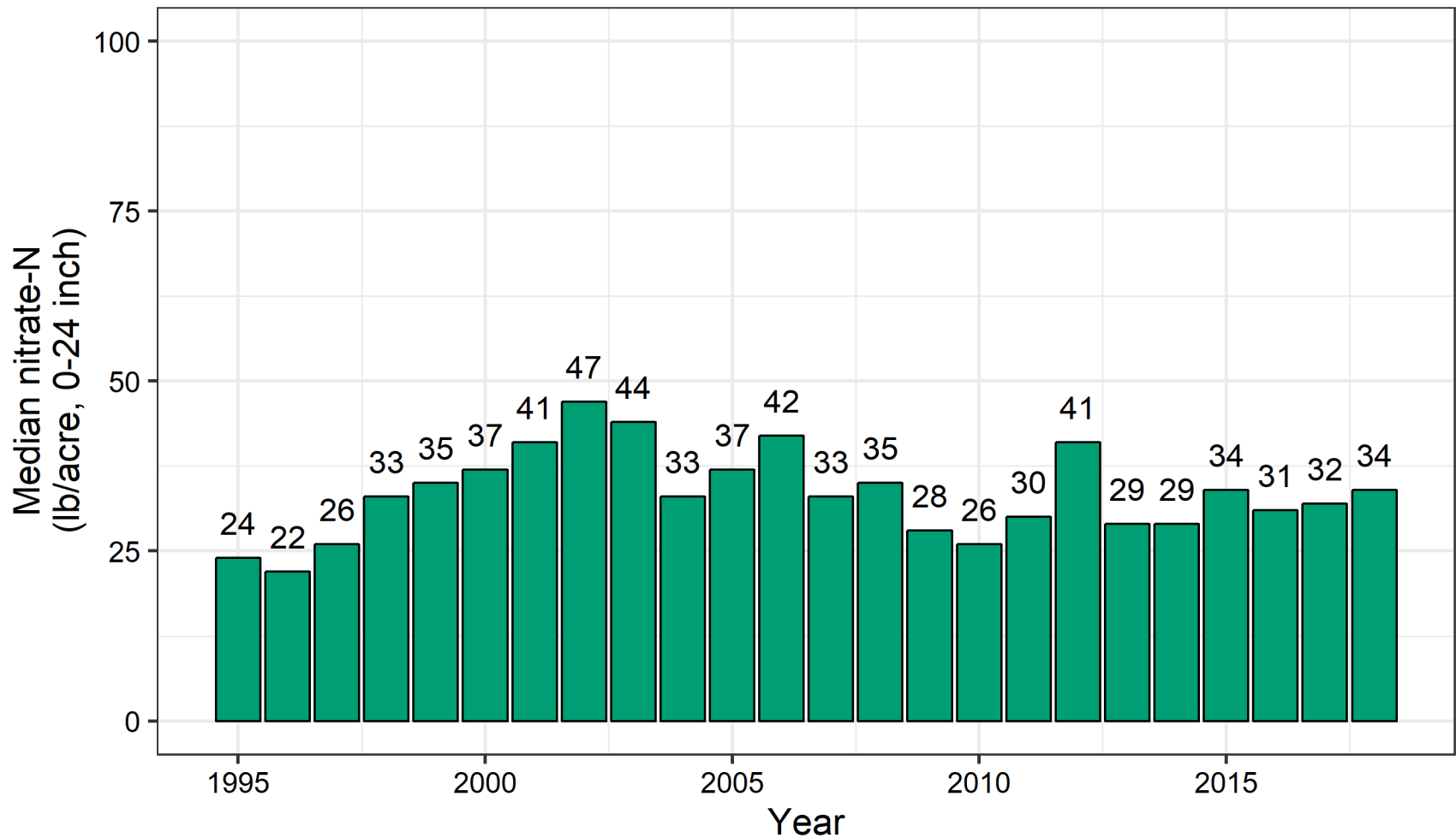
Soil samples with residual nitrate-N greater than 80 lb/acre following canola in 2018



AGVISE Laboratories, Northwood, ND

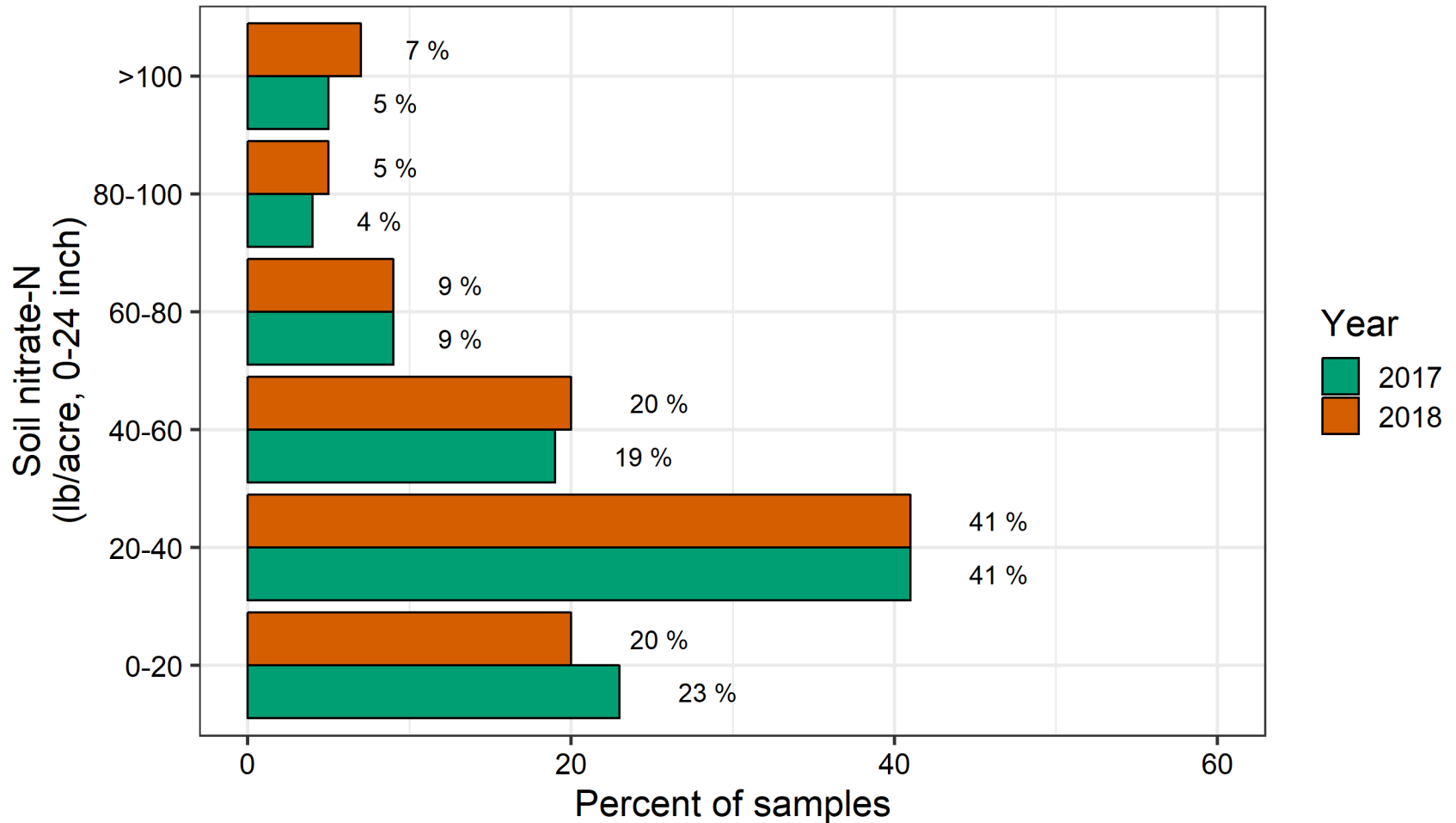
Residual nitrate following canola

Trend from 1995 to 2018



AGVISE Laboratories, Northwood, ND

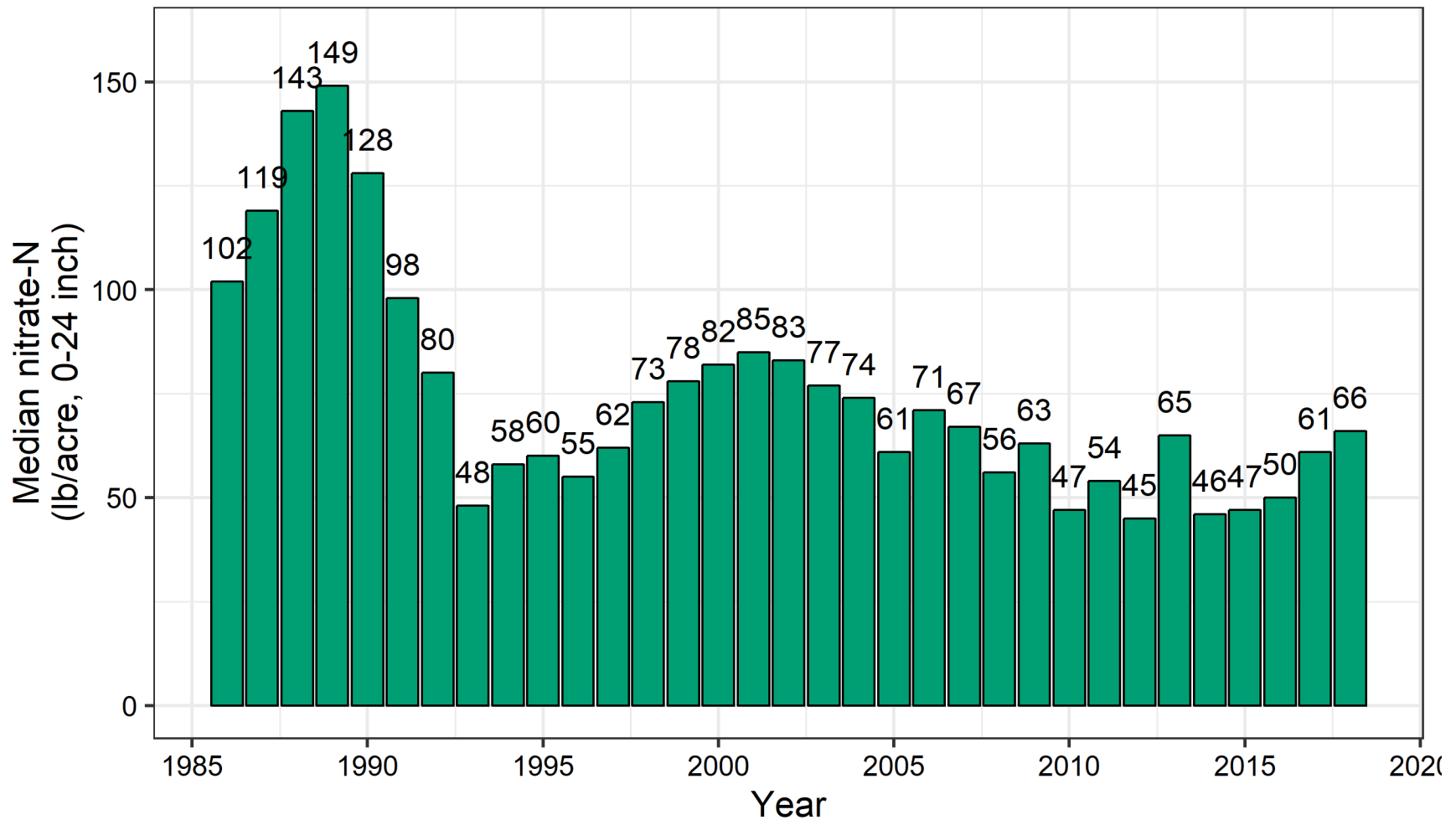
Variability in residual nitrate following canola in 2017 & 2018



AGVISE Laboratories, Northwood, ND

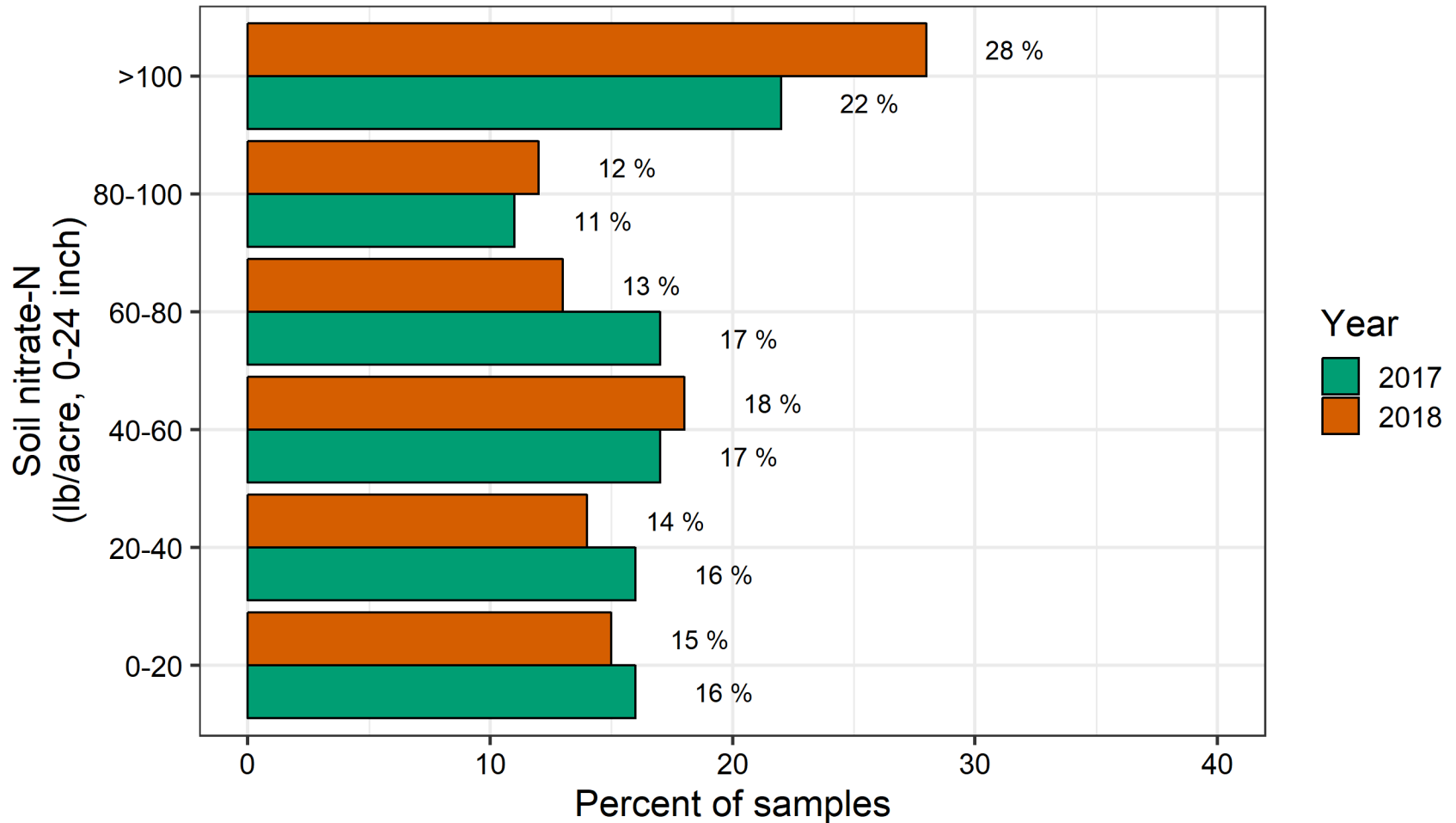
Residual nitrate following fallow

Trend from 1986 to 2018



AGVISE Laboratories, Northwood, ND

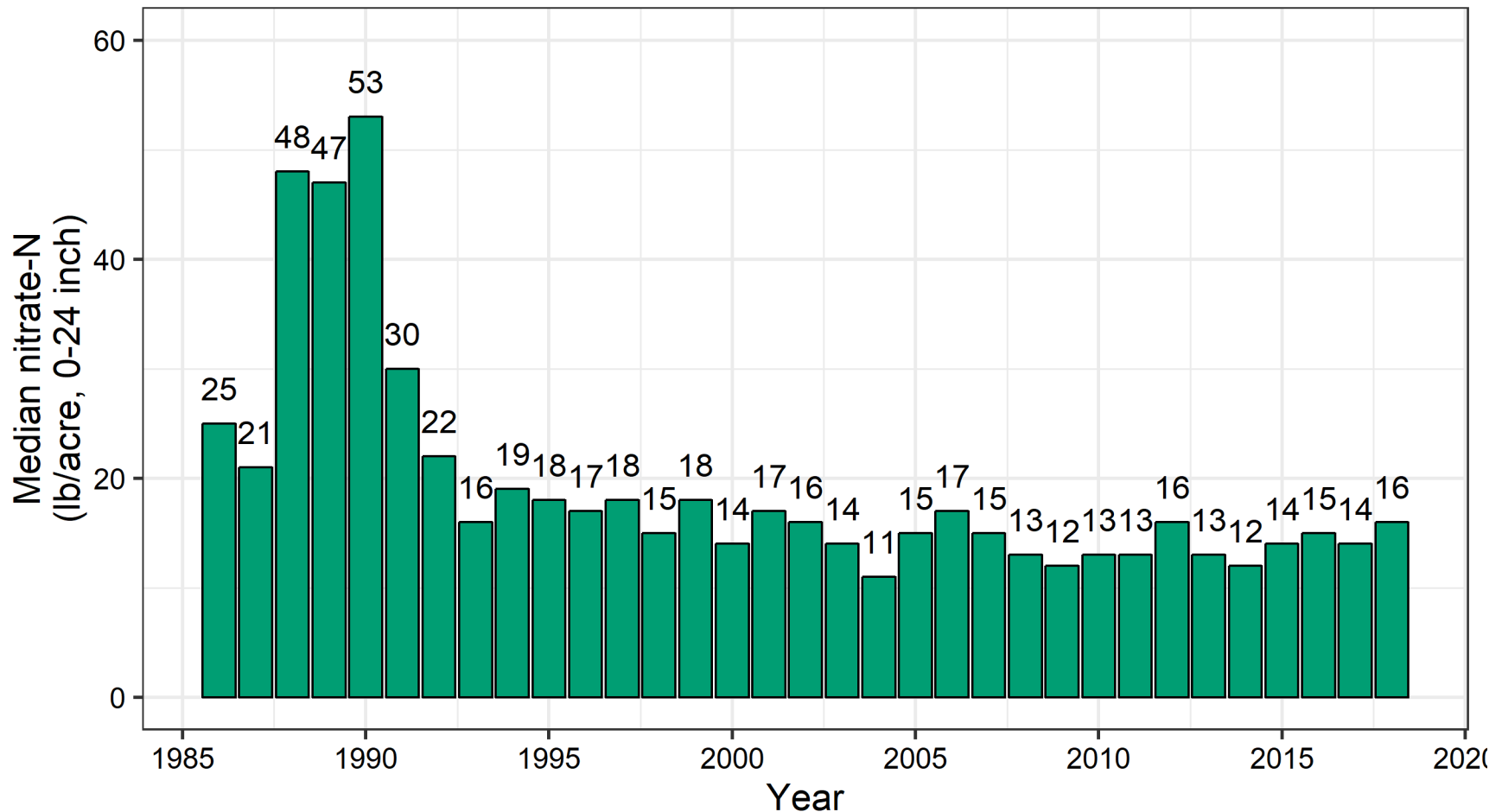
Variability in residual nitrate following fallow in 2017 & 2018



AGVISE Laboratories, Northwood, ND

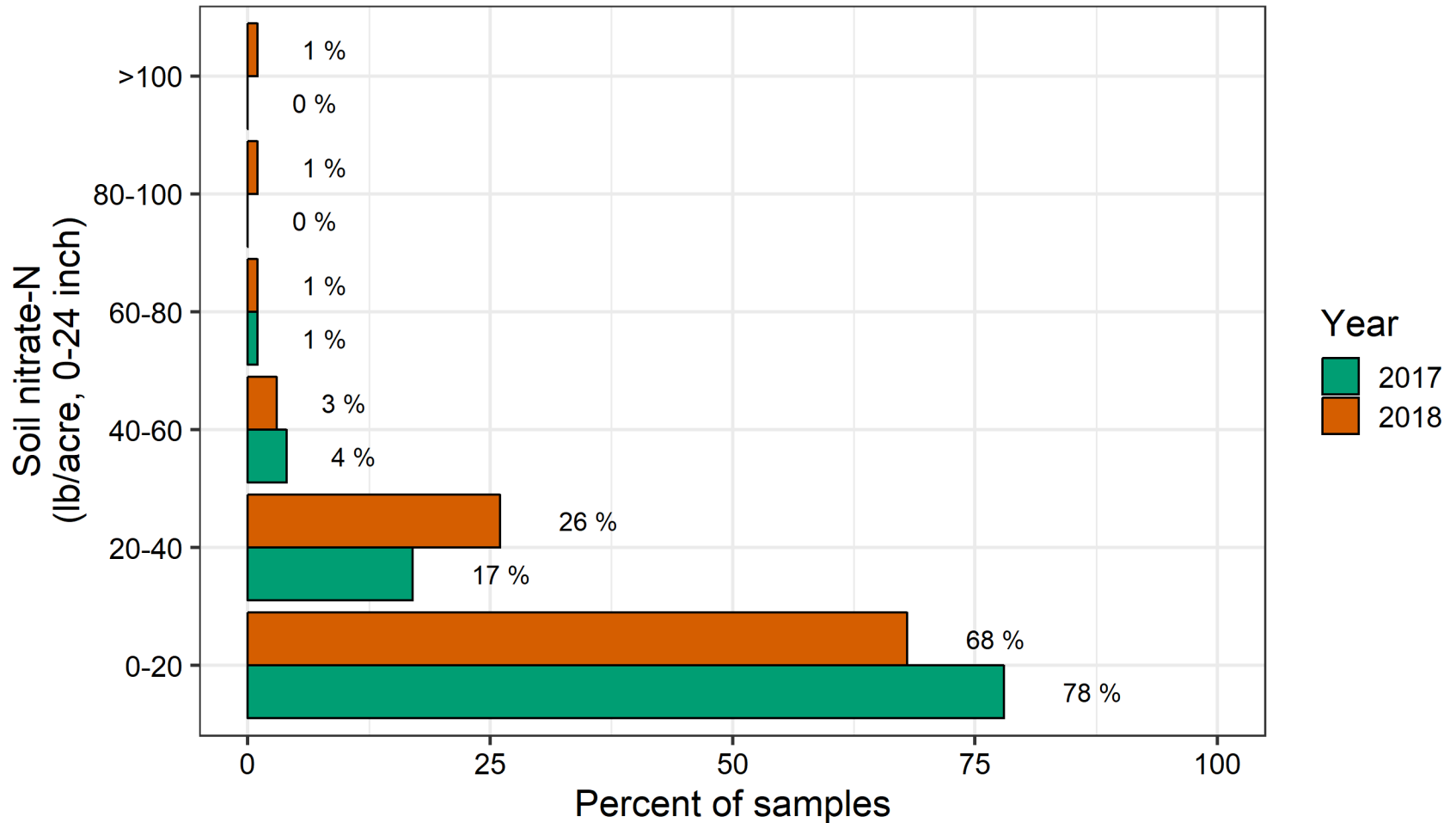
Residual nitrate following sugarbeet

Trend from 1986 to 2018



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

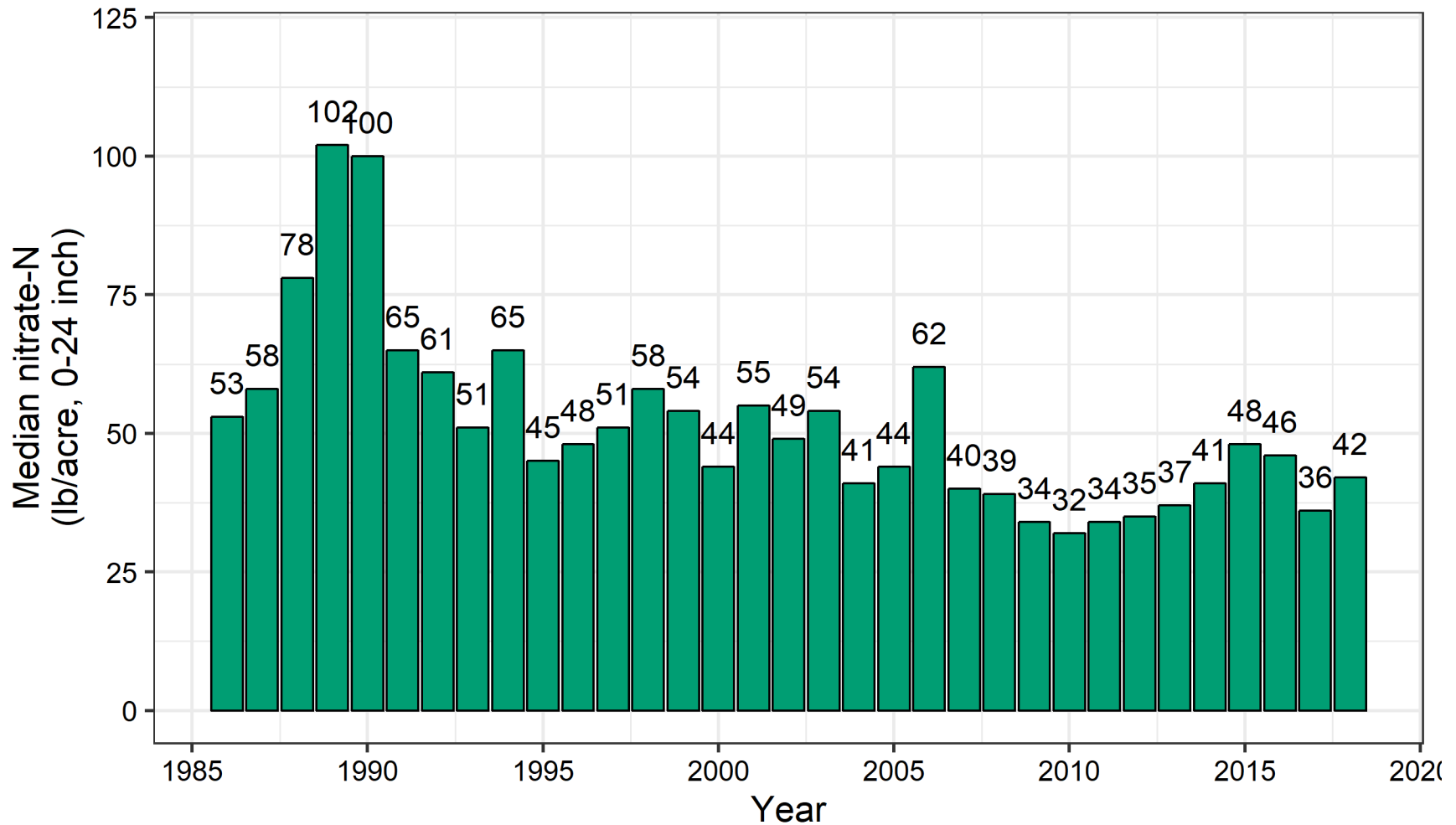
Variability in residual nitrate following sugarbeet in 2017 & 2018



AGVISE Laboratories, Northwood, ND

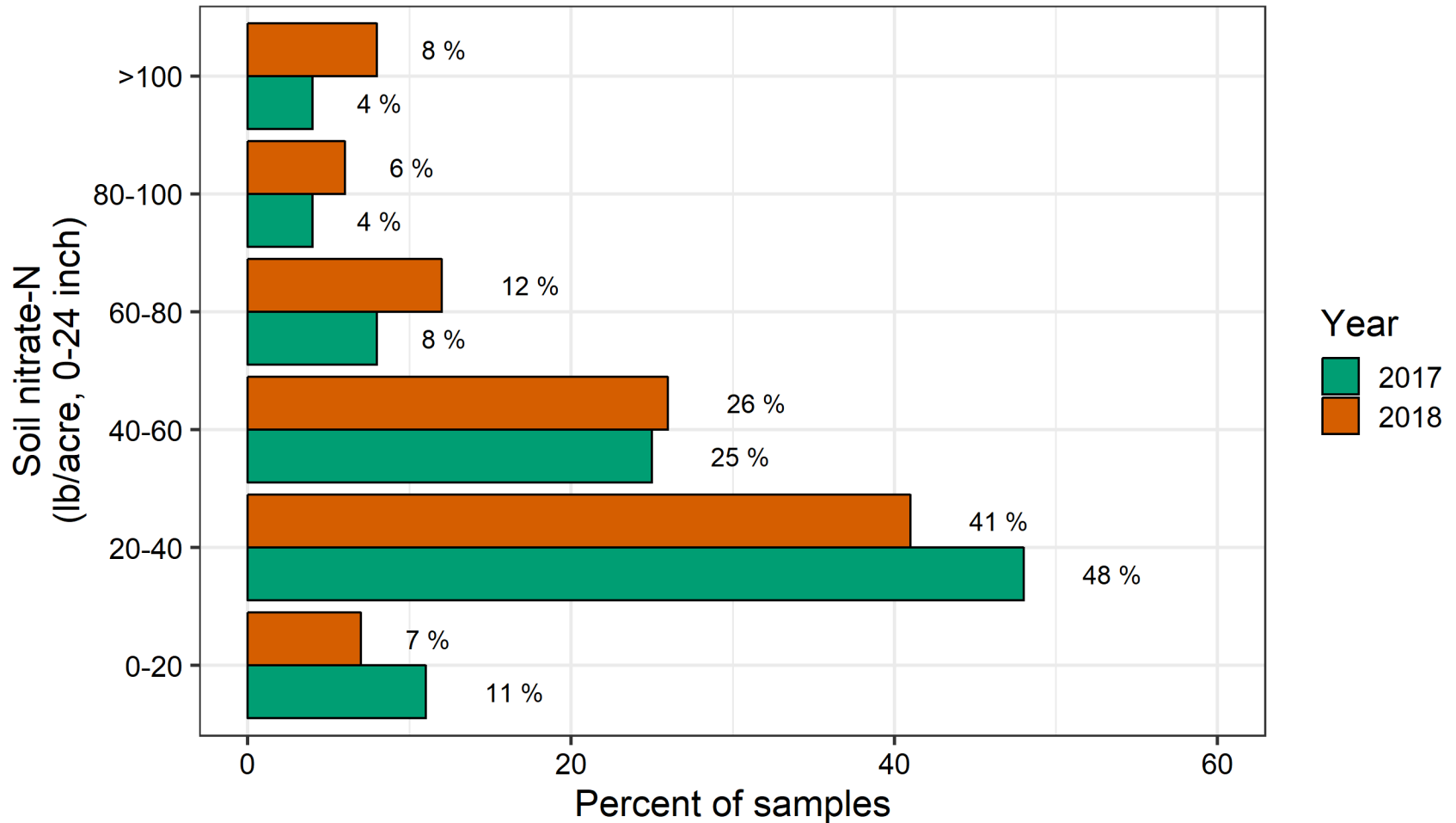
Residual nitrate following dry bean

Trend from 1986 to 2018



AGVISE Laboratories, Northwood, ND

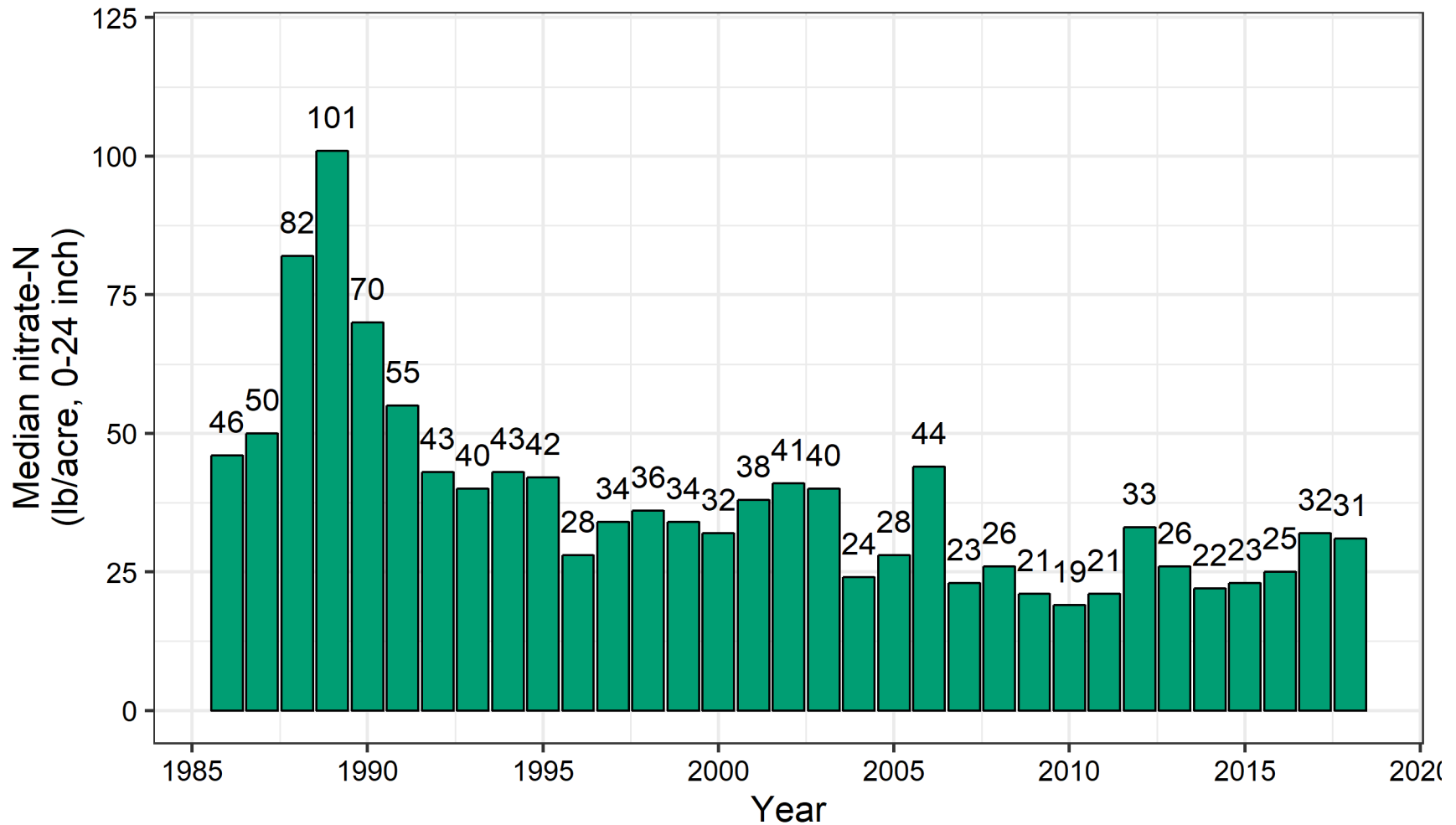
Variability in residual nitrate following dry bean in 2017 & 2018



AGVISE Laboratories, Northwood, ND

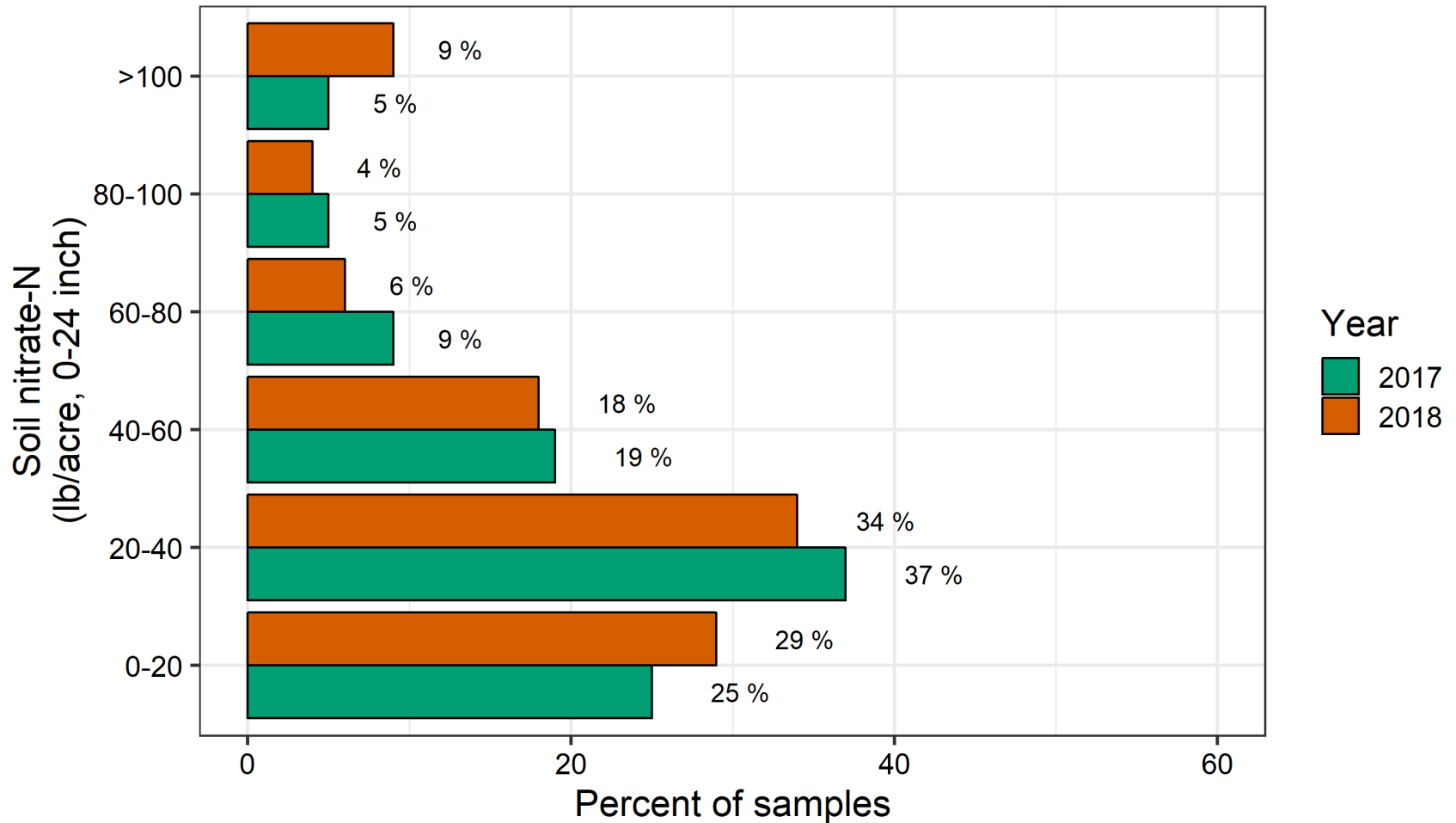
Residual nitrate following sunflower

Trend from 1986 to 2018



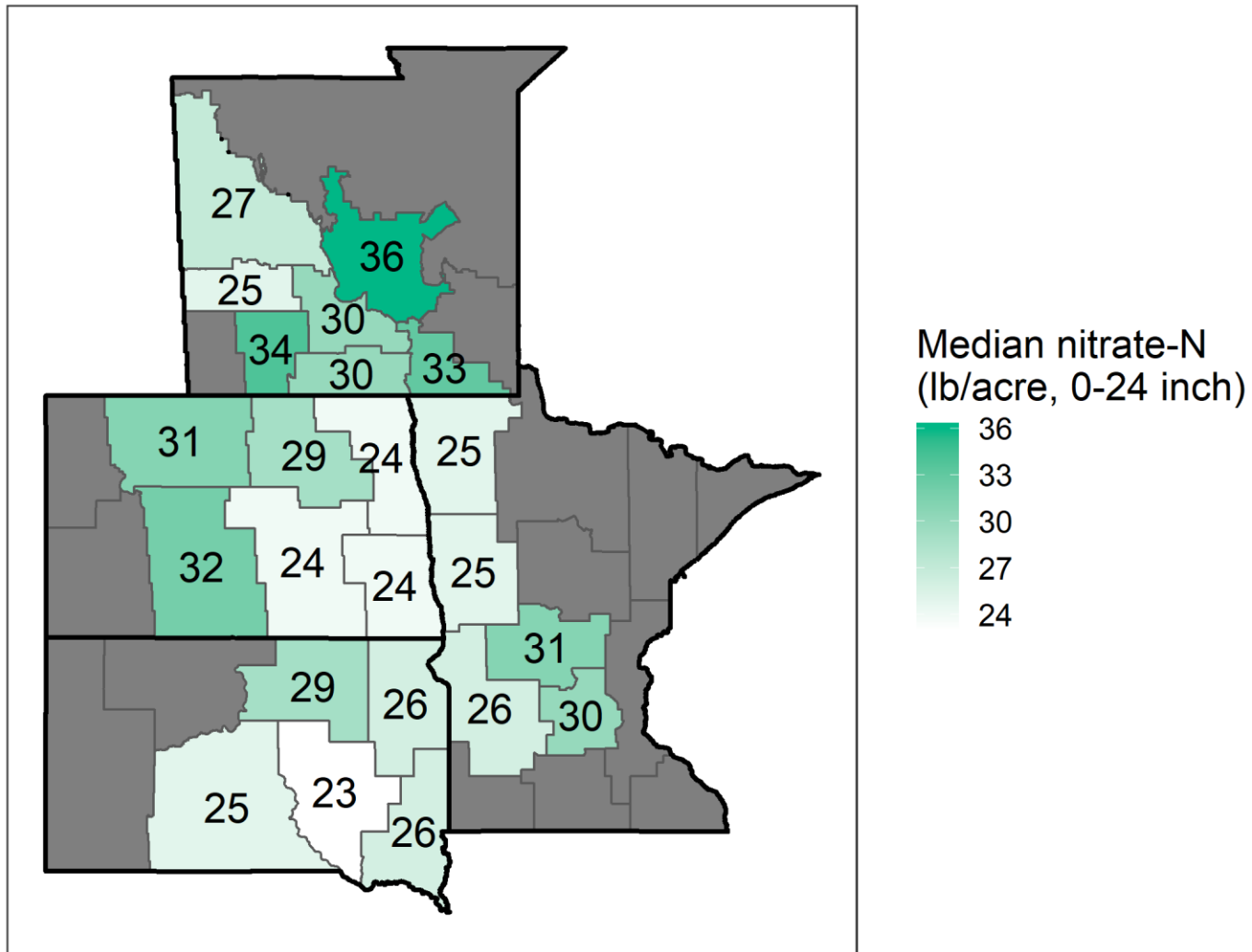
AGVISE Laboratories, Northwood, ND

Variability in residual nitrate following sunflower in 2017 & 2018



AGVISE Laboratories, Northwood, ND

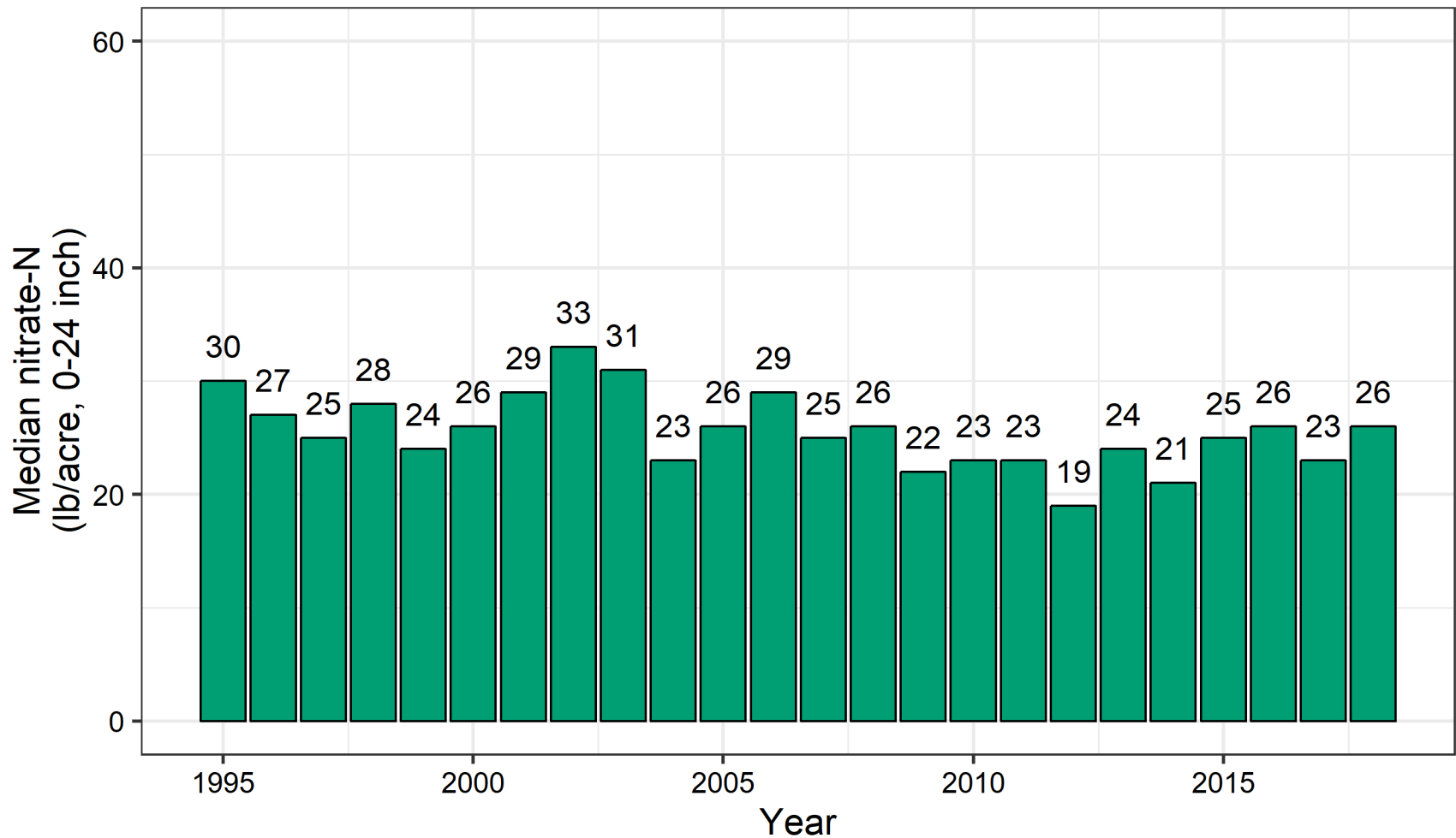
Residual nitrate following soybean in 2018



AGVISE Laboratories, Northwood, ND

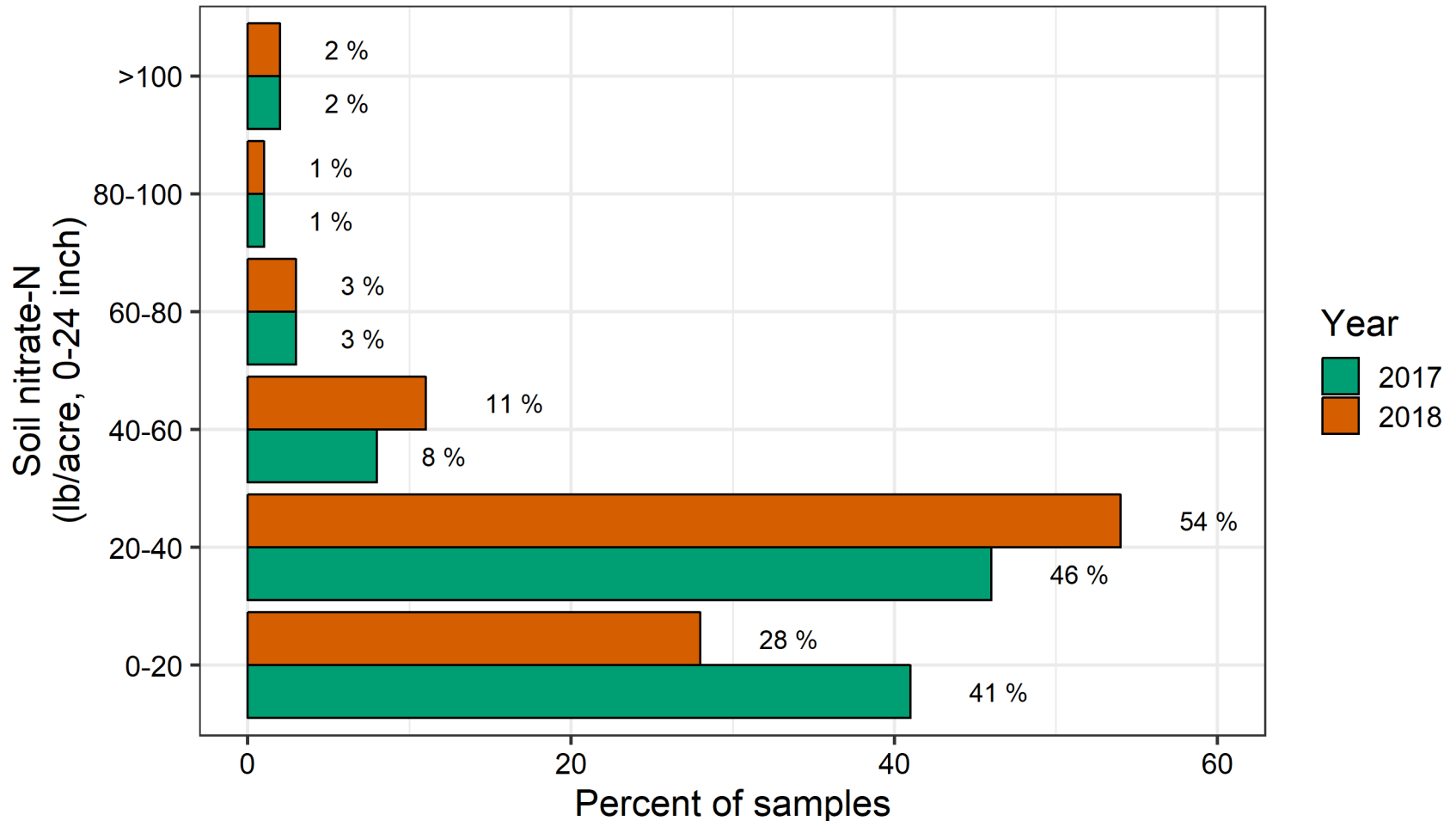
Residual nitrate following soybean

Trend from 1995 to 2018



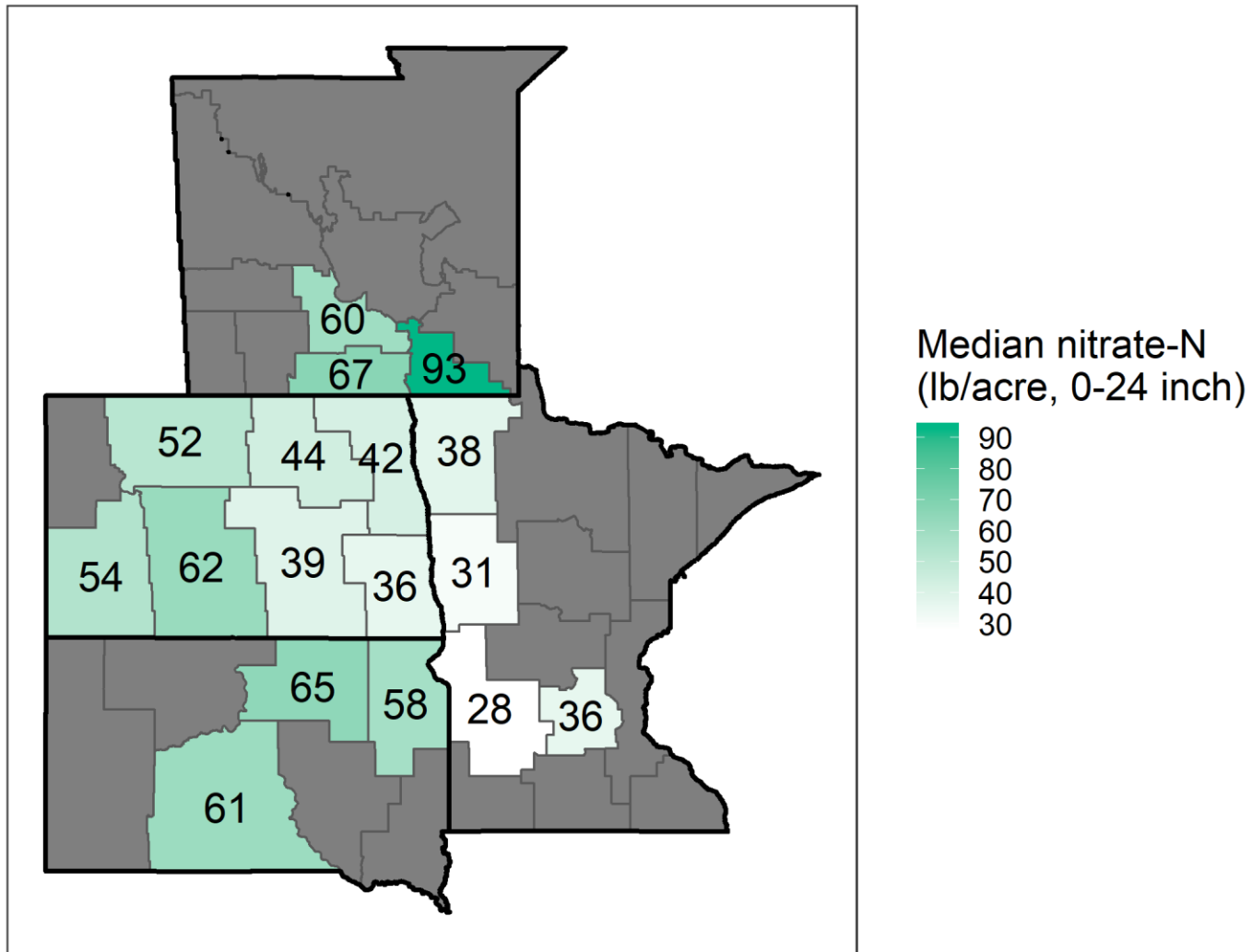
AGVISE Laboratories, Northwood, ND

Variability in residual nitrate following soybean in 2017 & 2018



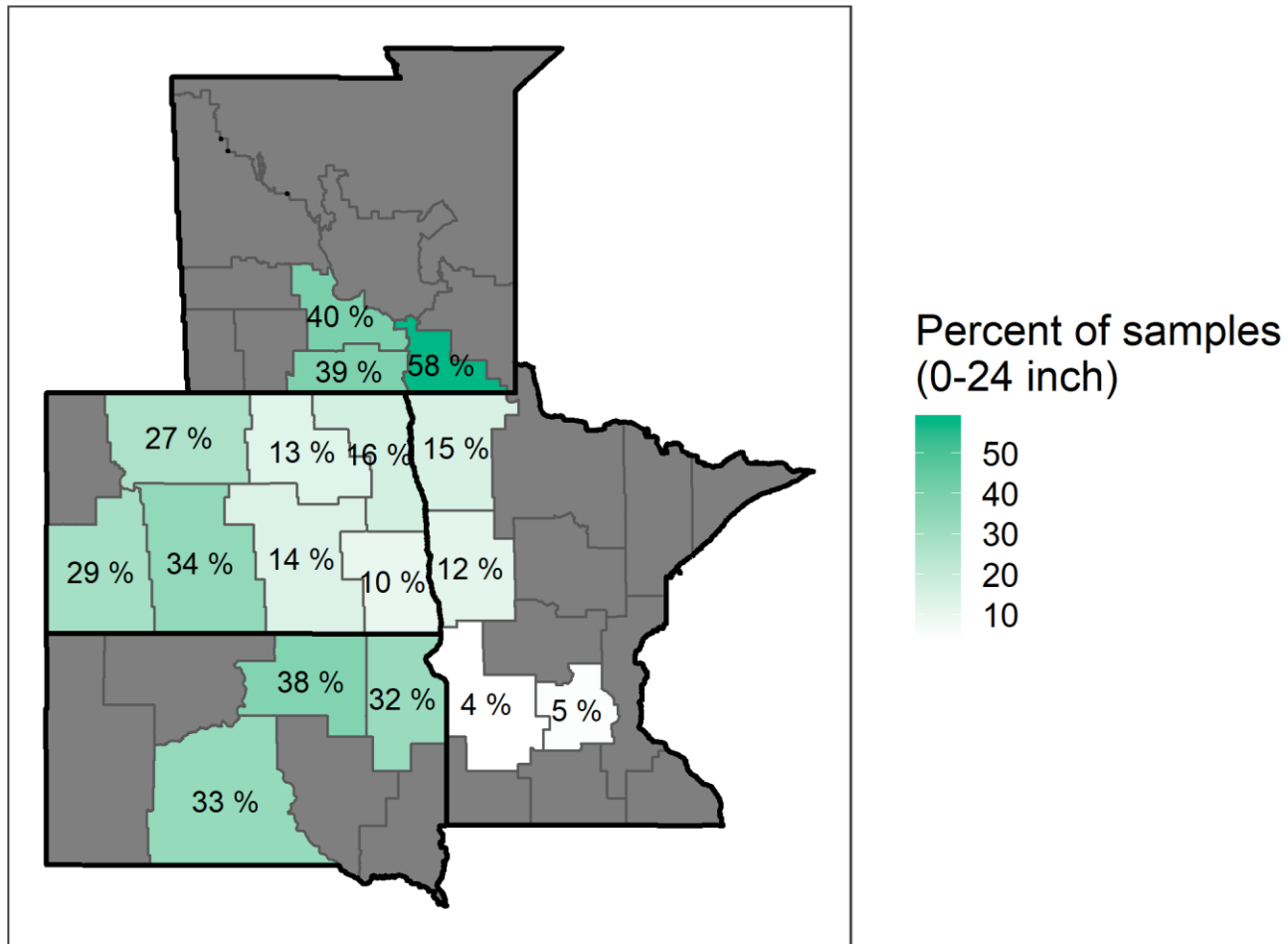
AGVISE Laboratories, Northwood, ND

Residual nitrate following corn in 2018



AGVISE Laboratories, Northwood, ND

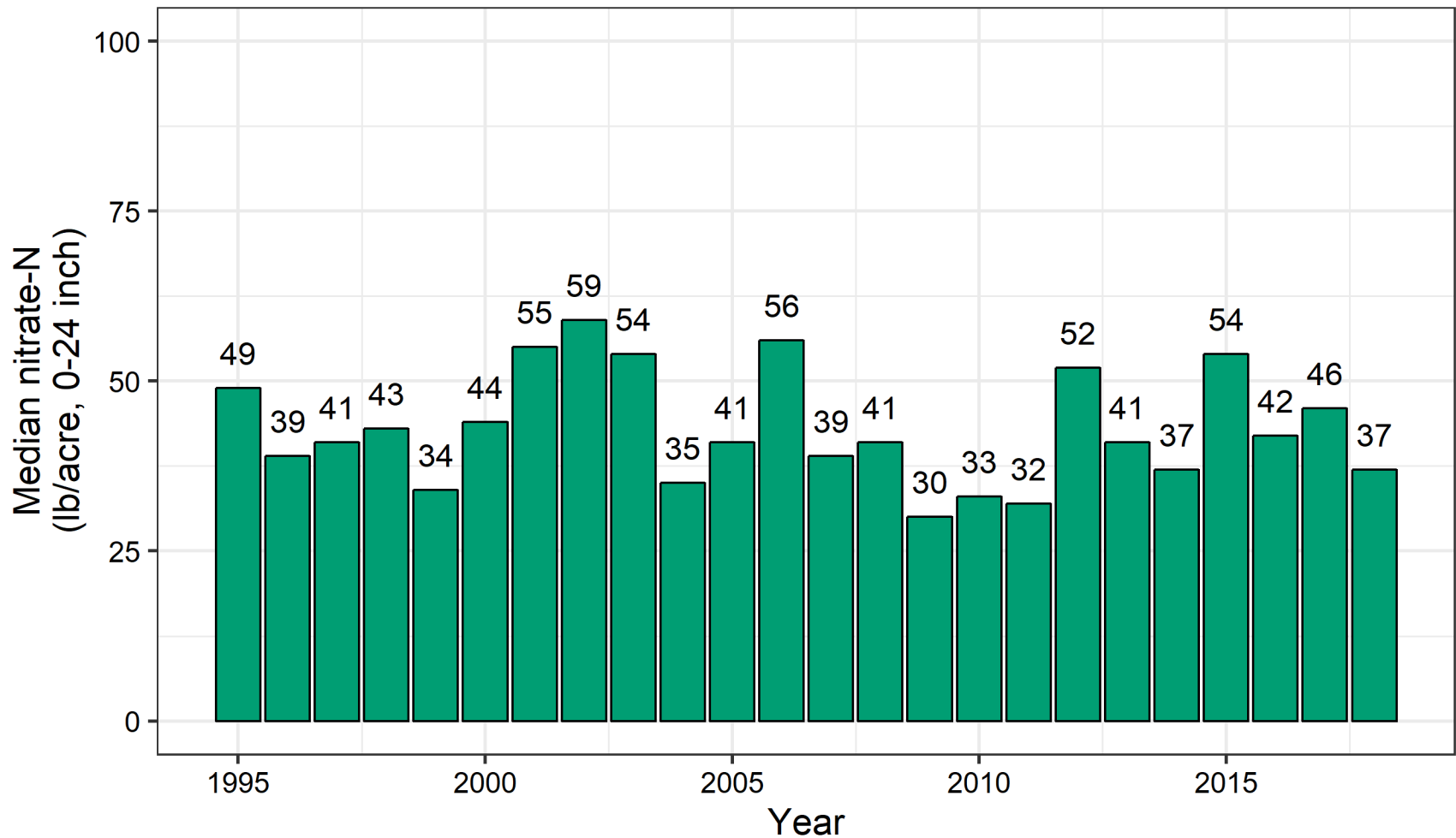
Soil samples with residual nitrate-N greater than 80 lb/acre following corn in 2018



AGVISE Laboratories, Northwood, ND

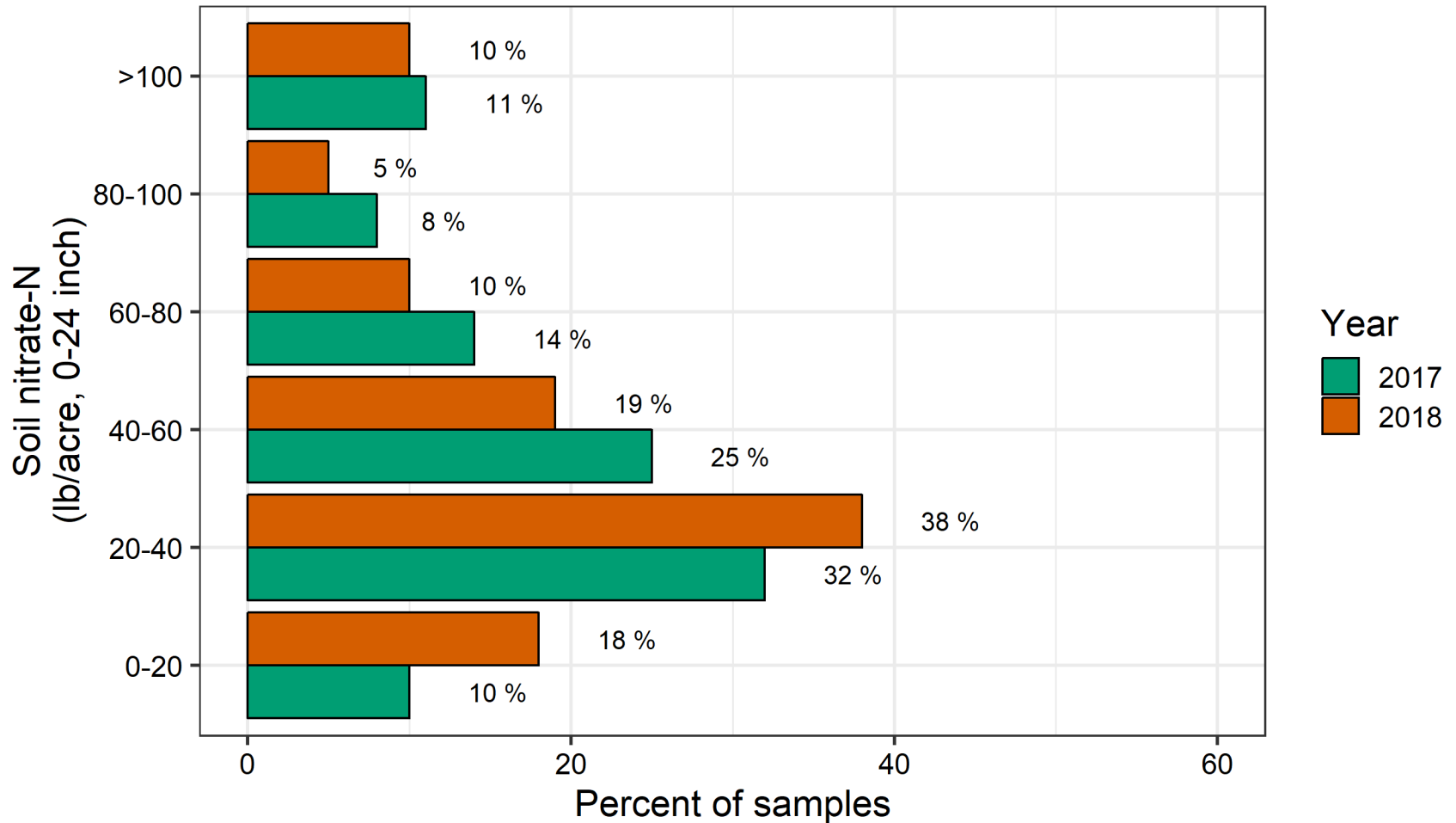
Residual nitrate following corn

Trend from 1995 to 2018



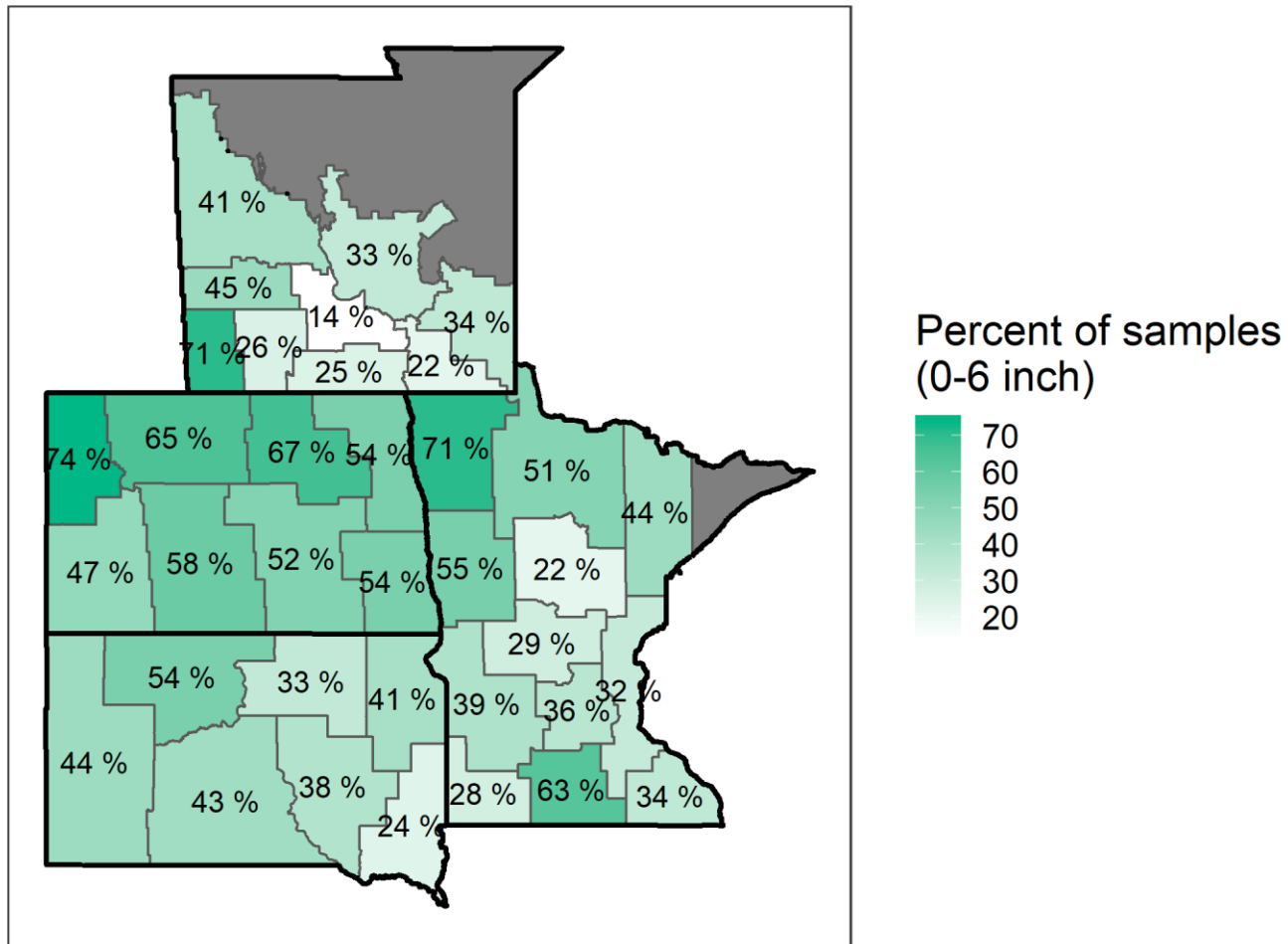
AGVISE Laboratories, Northwood, ND

Variability in residual nitrate following corn in 2017 & 2018



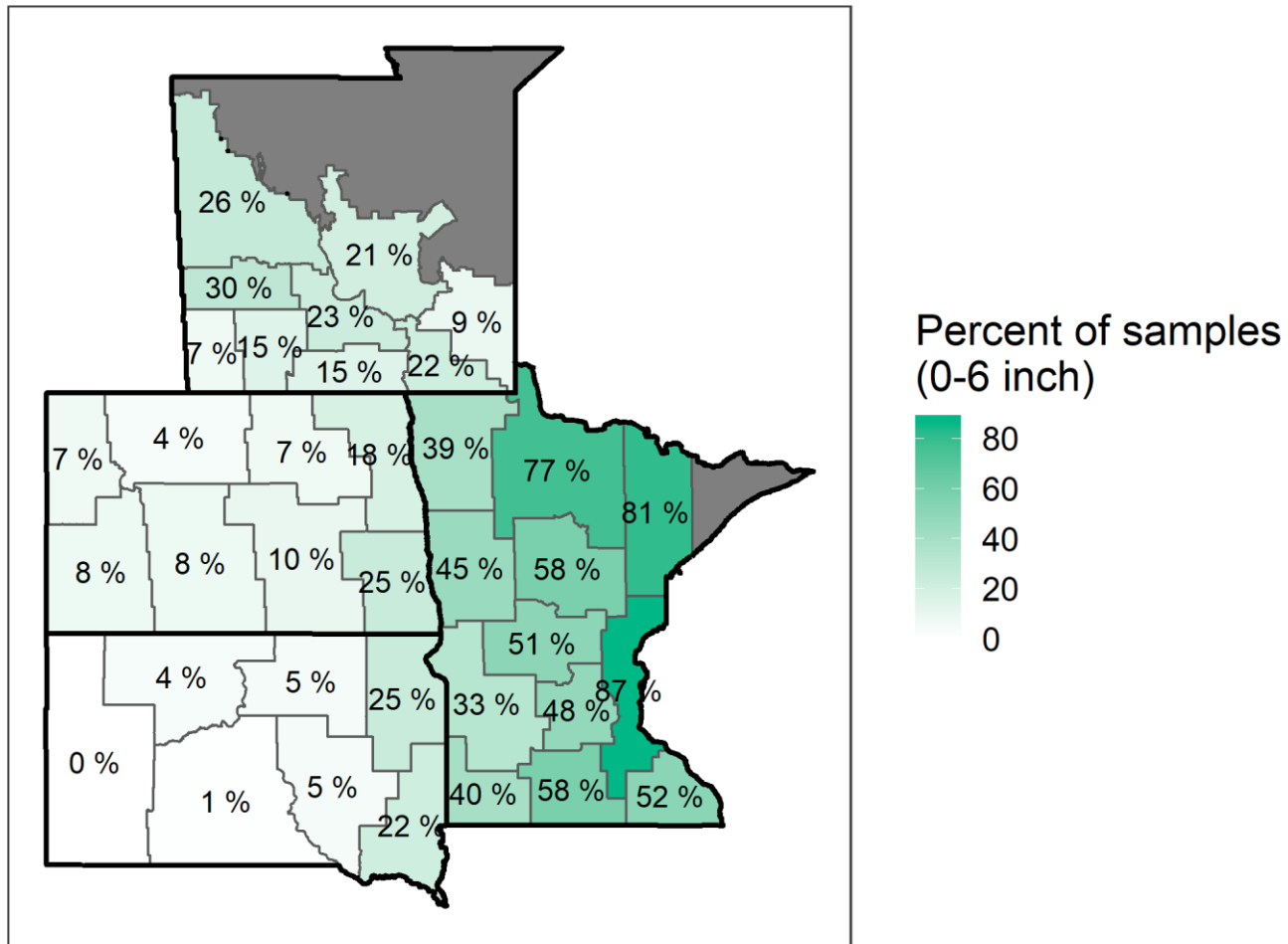
AGVISE Laboratories, Northwood, ND

Soil samples with soil test phosphorus below 10 ppm (Olsen P) in 2018



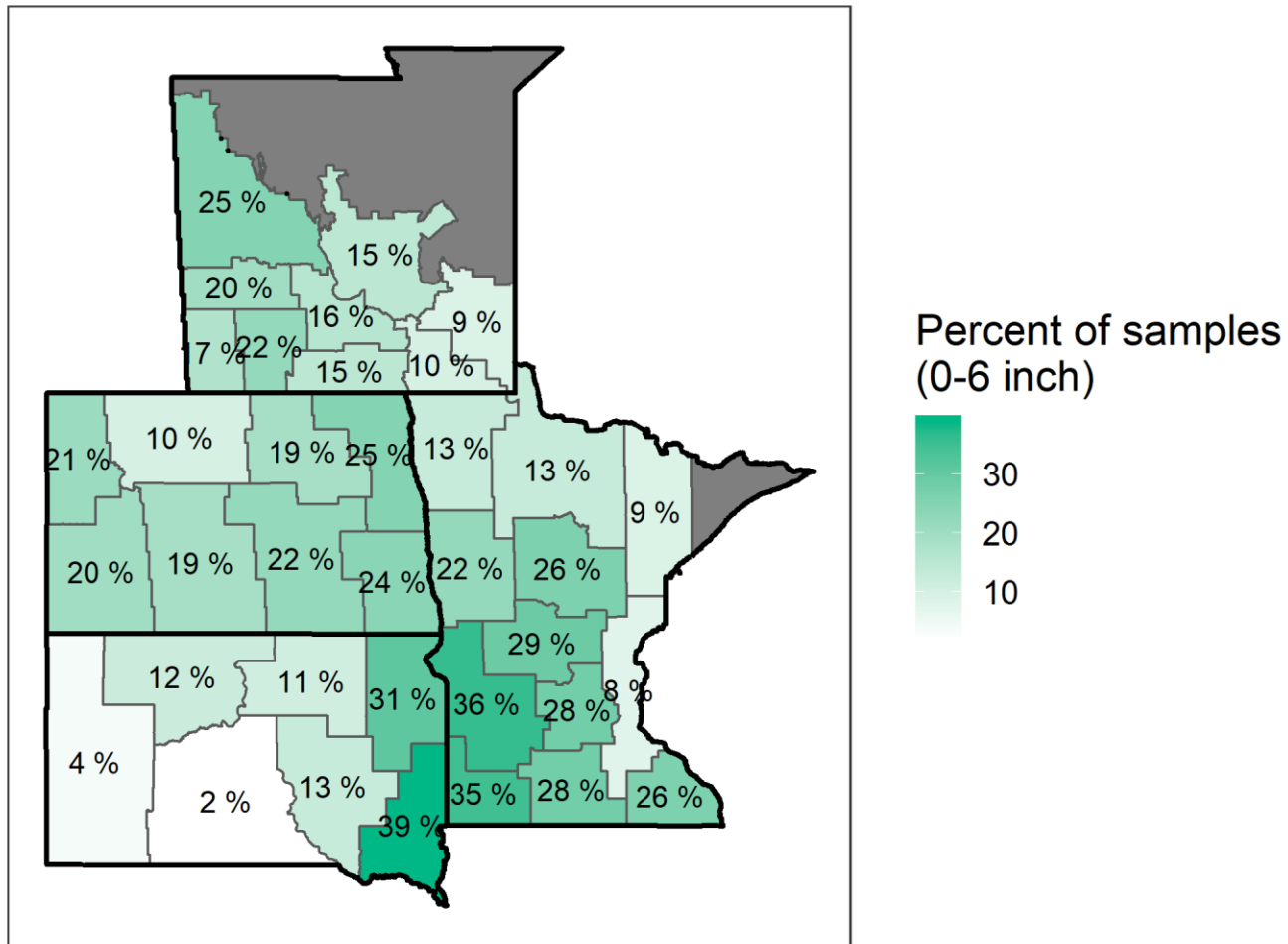
AGVISE Laboratories, Northwood, ND

Soil samples with soil test potassium below 150 ppm in 2018



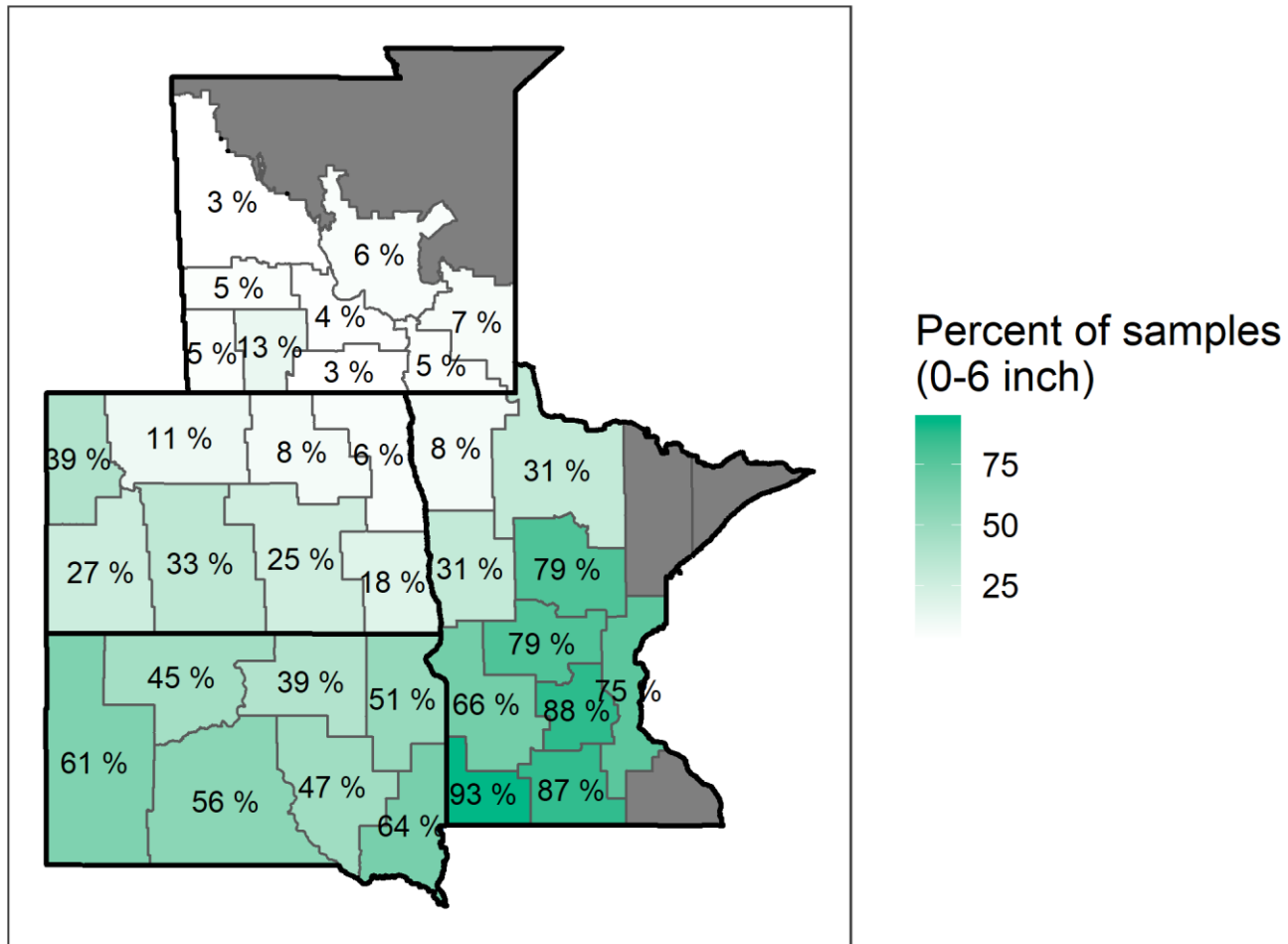
AGVISE Laboratories, Northwood, ND

Soil samples with soil test potassium between 150 and 200 ppm in 2018



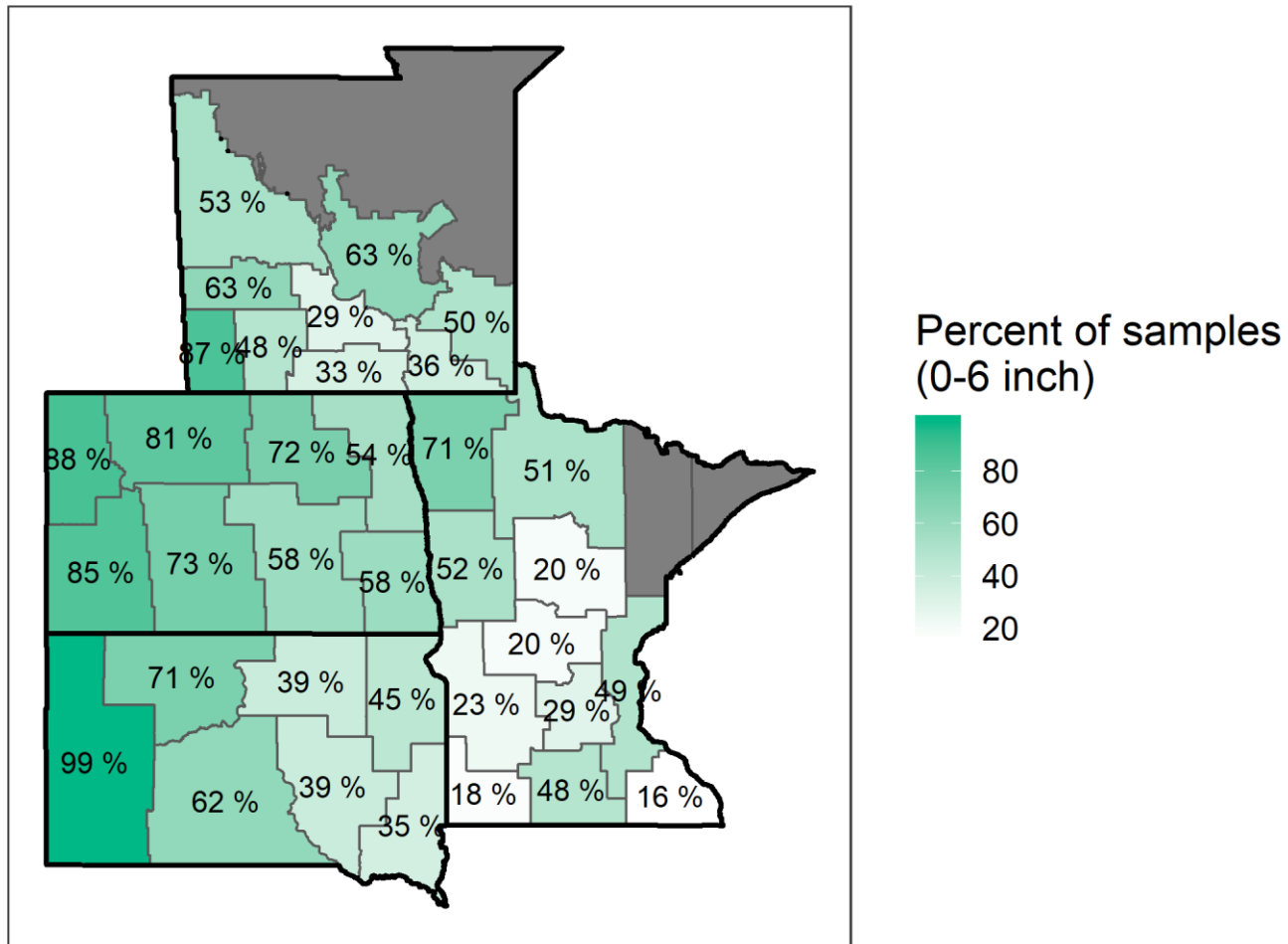
AGVISE Laboratories, Northwood, ND

Soil samples with soil test sulfur below 15 lb/acre in 2018



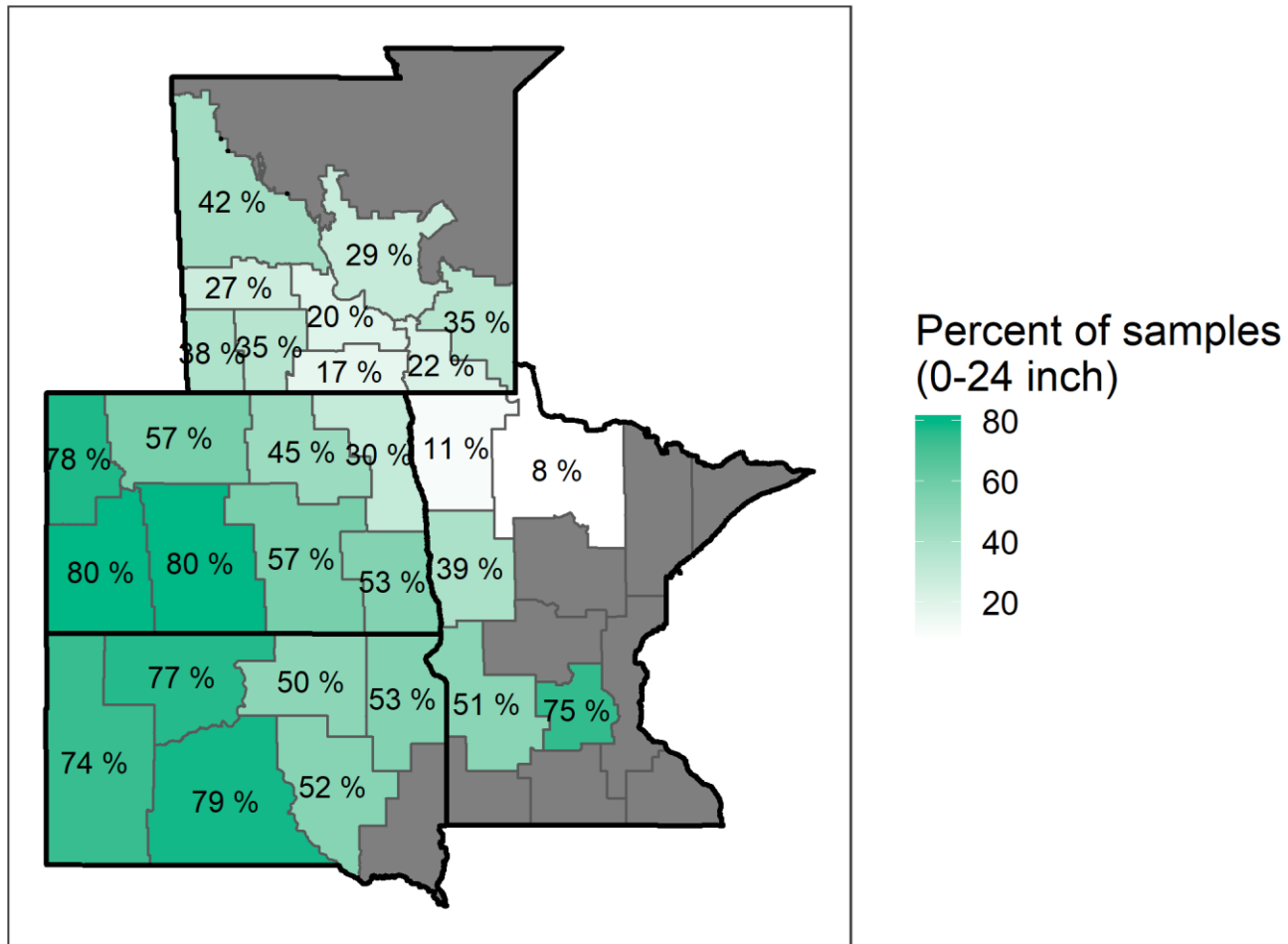
AGVISE Laboratories, Northwood, ND

Soil samples with soil test zinc below 1.0 ppm in 2018



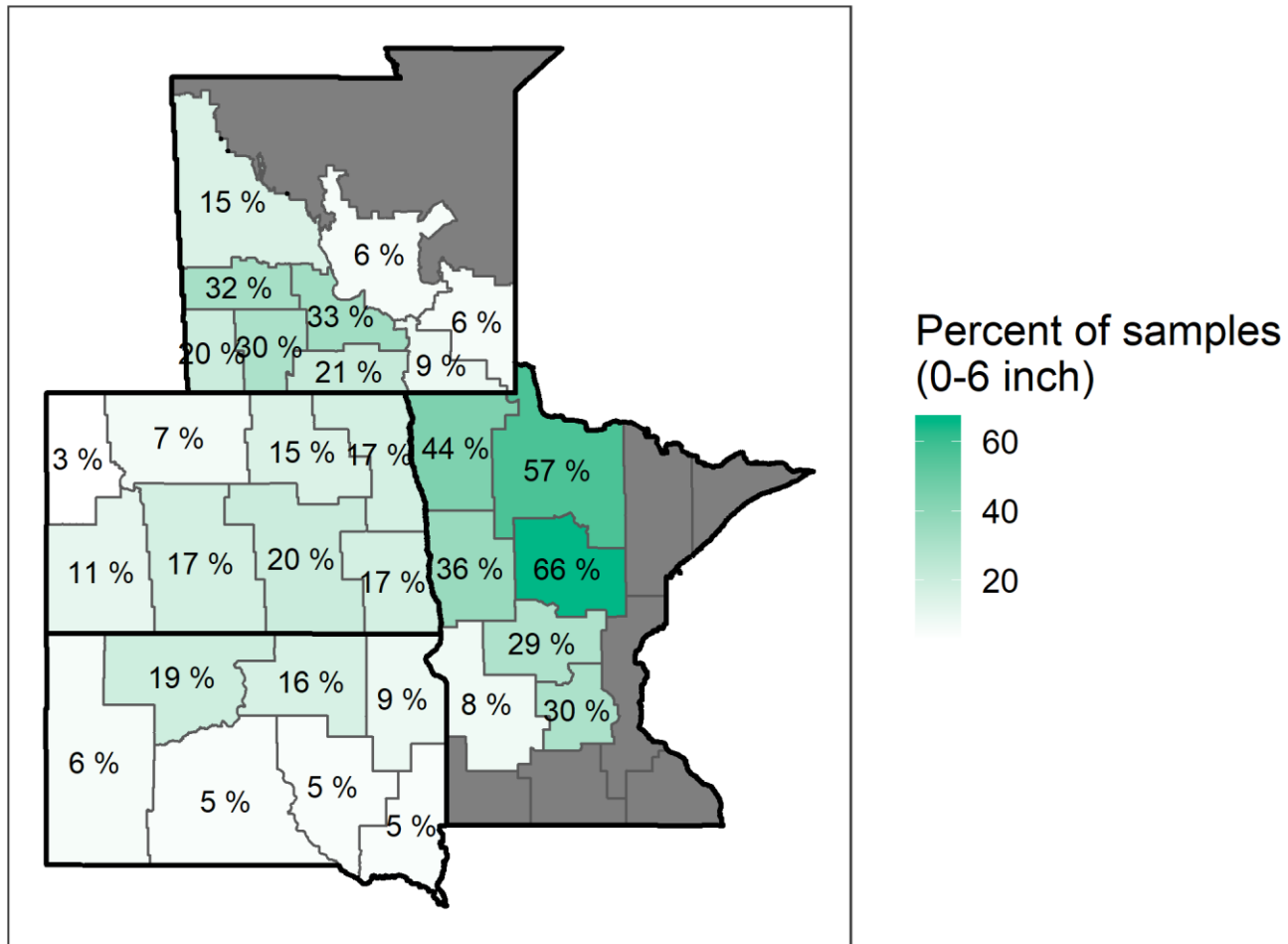
AGVISE Laboratories, Northwood, ND

Soil samples with soil test chloride below 40 lb/acre in 2018



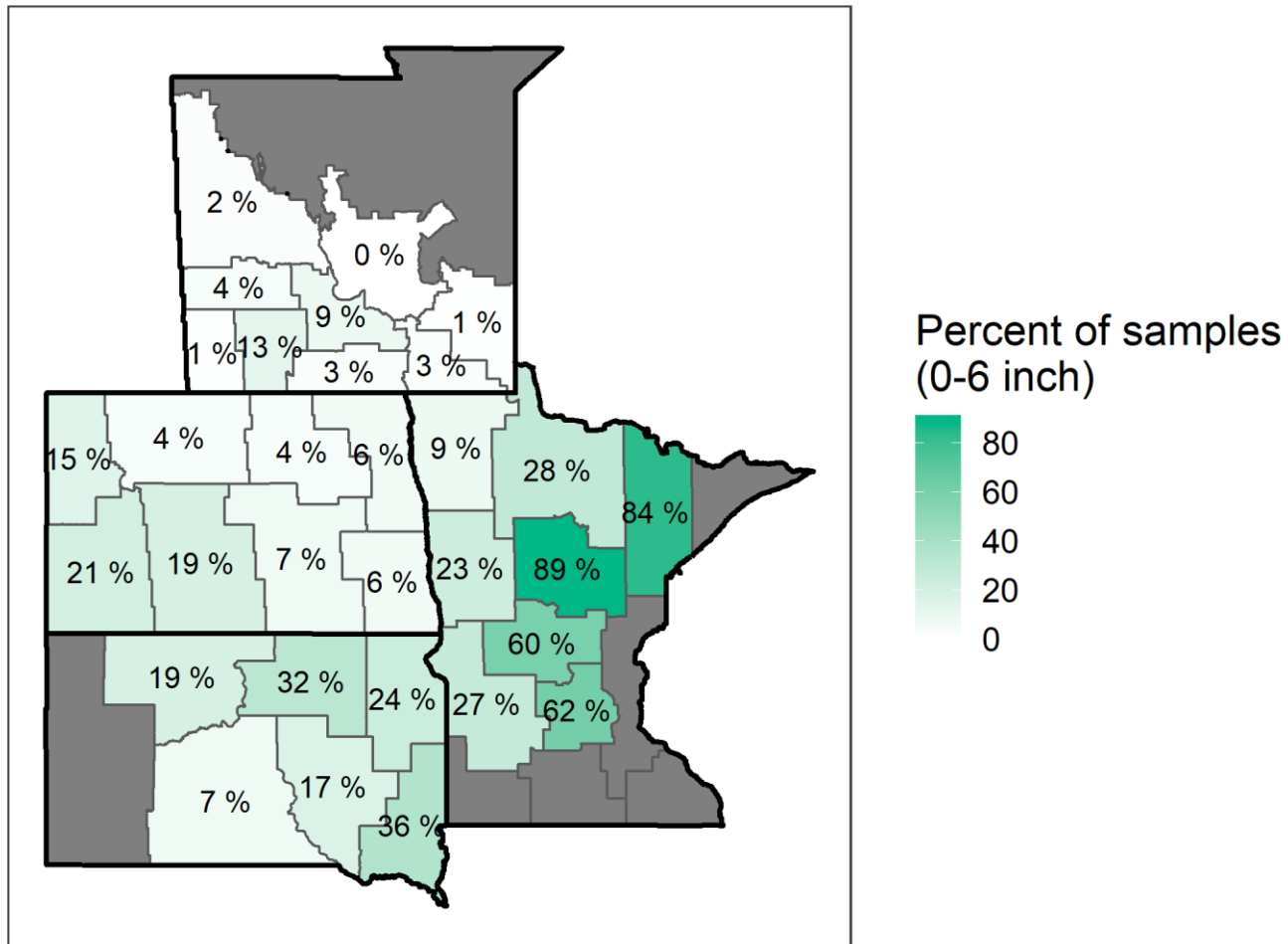
AGVISE Laboratories, Northwood, ND

Soil samples with soil test copper below 0.5 ppm in 2018



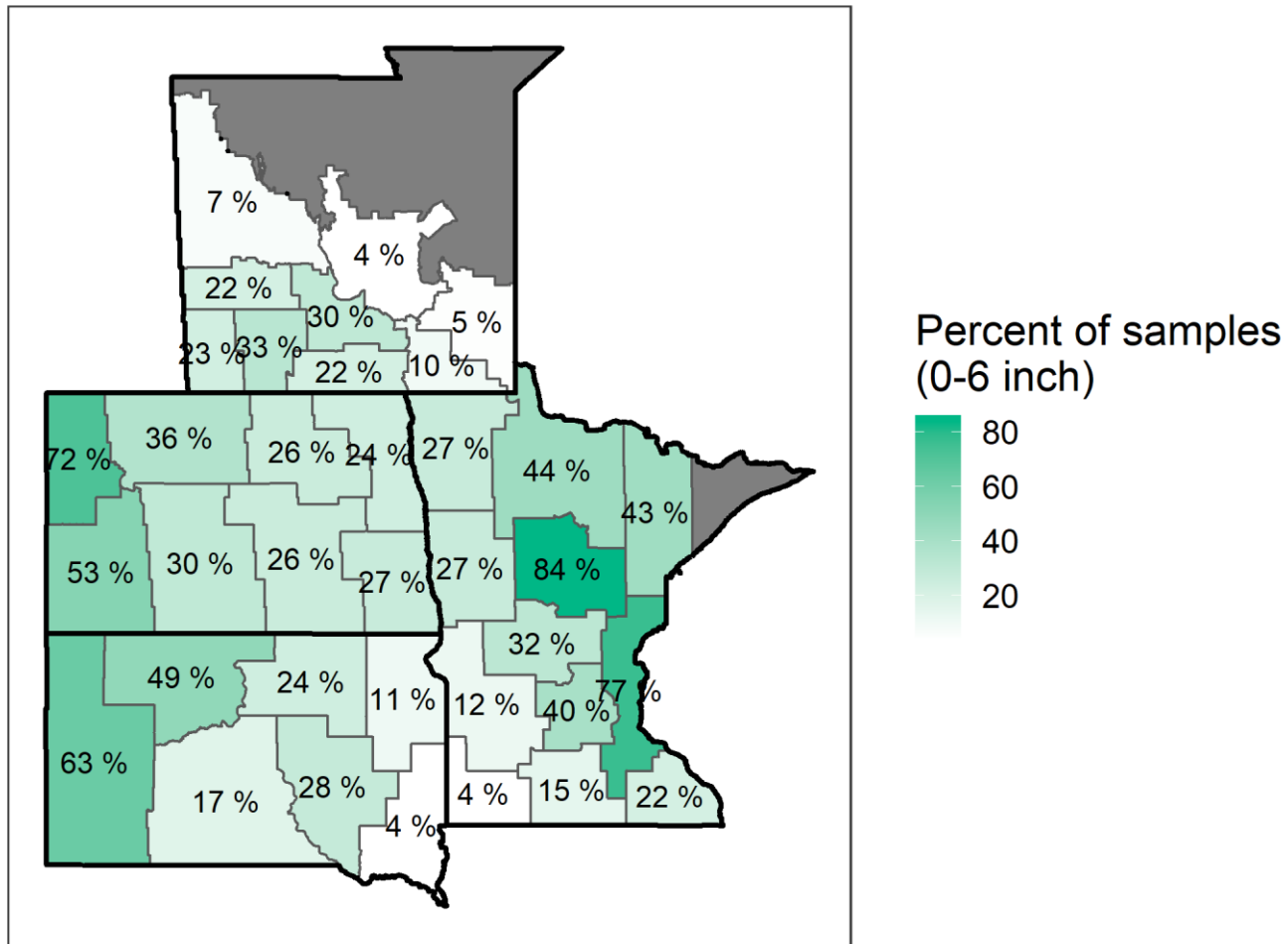
AGVISE Laboratories, Northwood, ND

Soil samples with soil test boron below 0.4 ppm in 2018



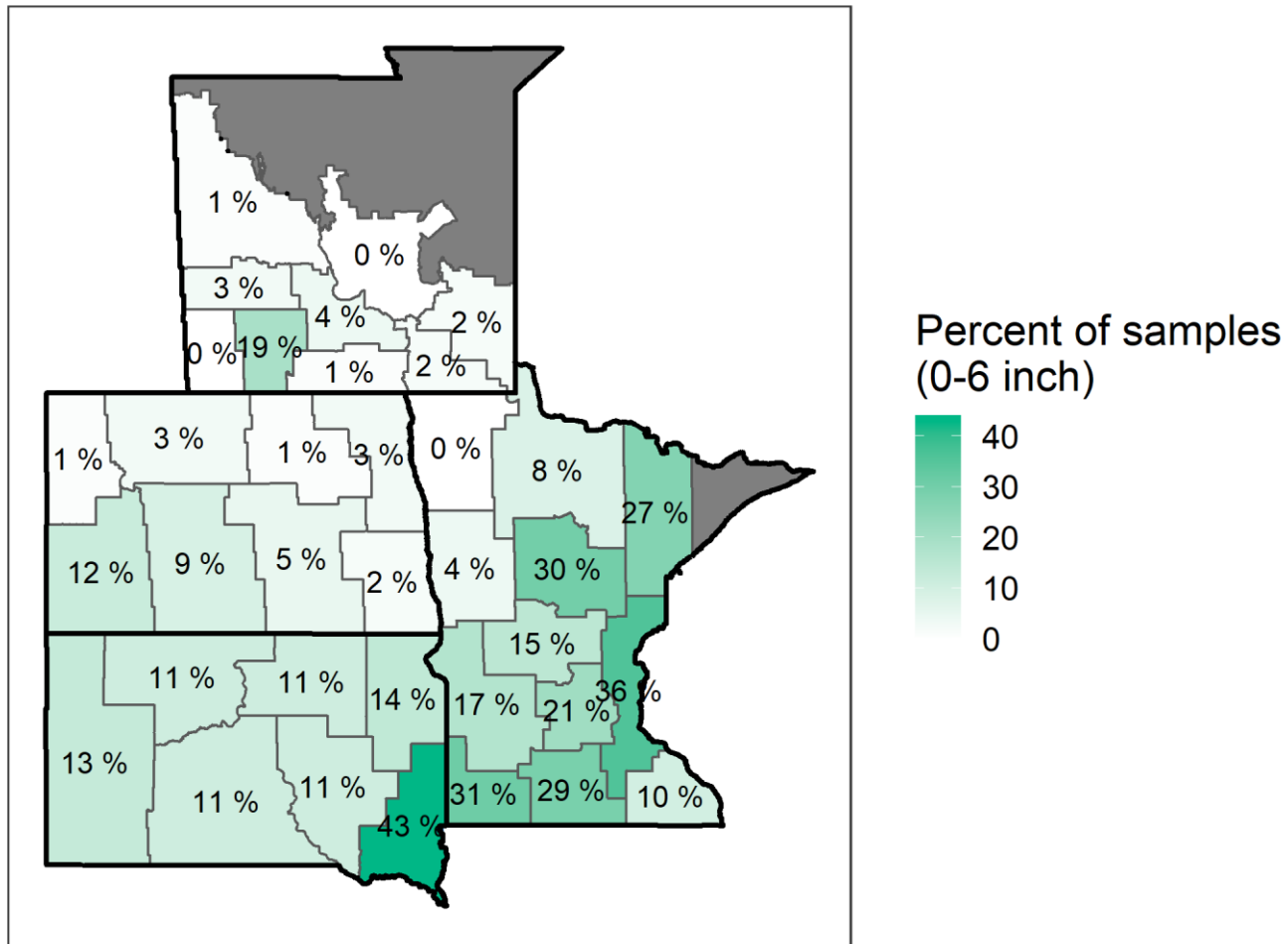
AGVISE Laboratories, Northwood, ND

Soil samples with soil organic matter below 3% in 2018



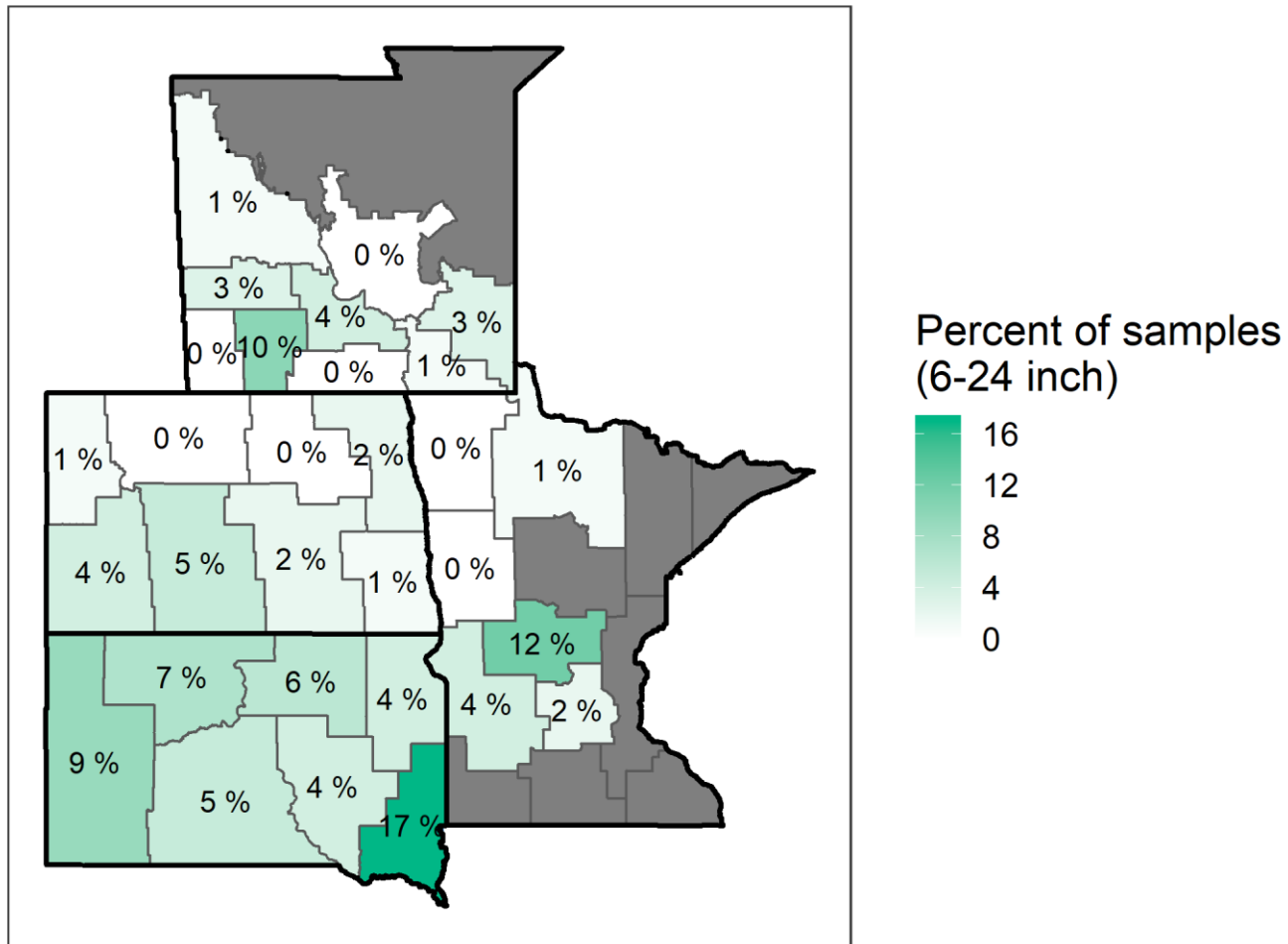
AGVISE Laboratories, Northwood, ND

Soil samples with soil pH below 6.0 in 2018



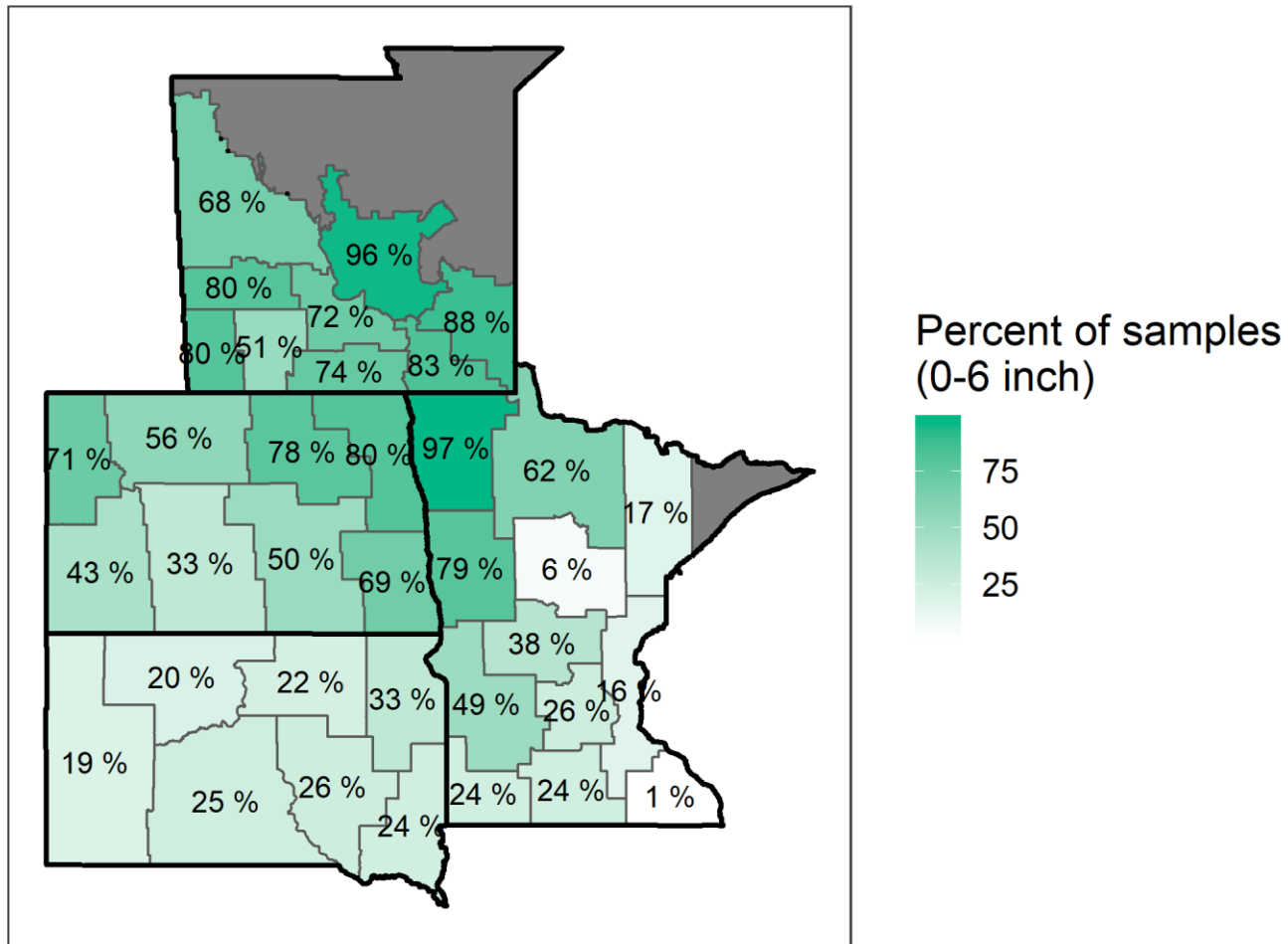
AGVISE Laboratories, Northwood, ND

Soil samples with subsoil pH below 7.0 in 2018



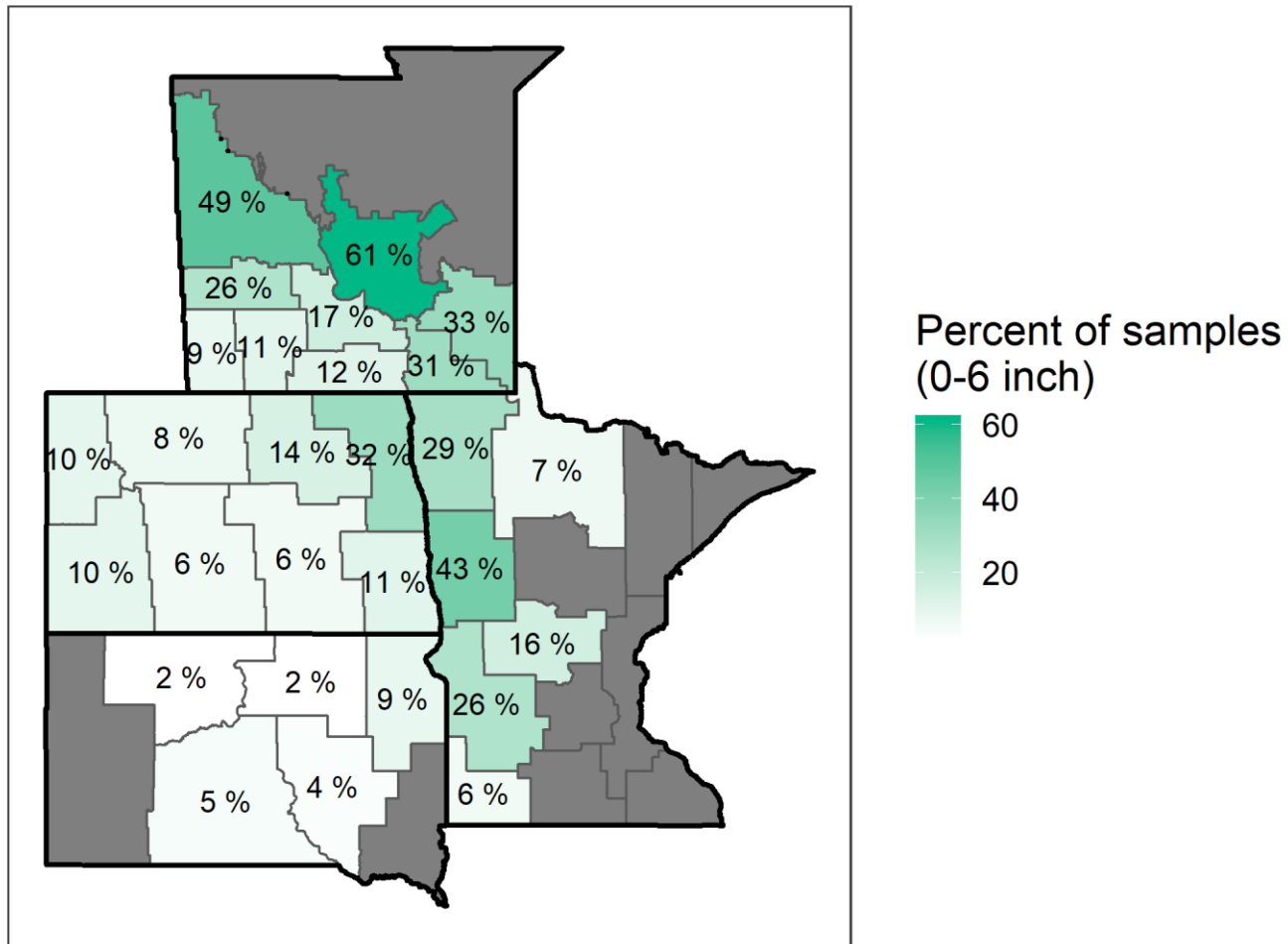
AGVISE Laboratories, Northwood, ND

Soil samples with soil pH above 7.3 in 2018



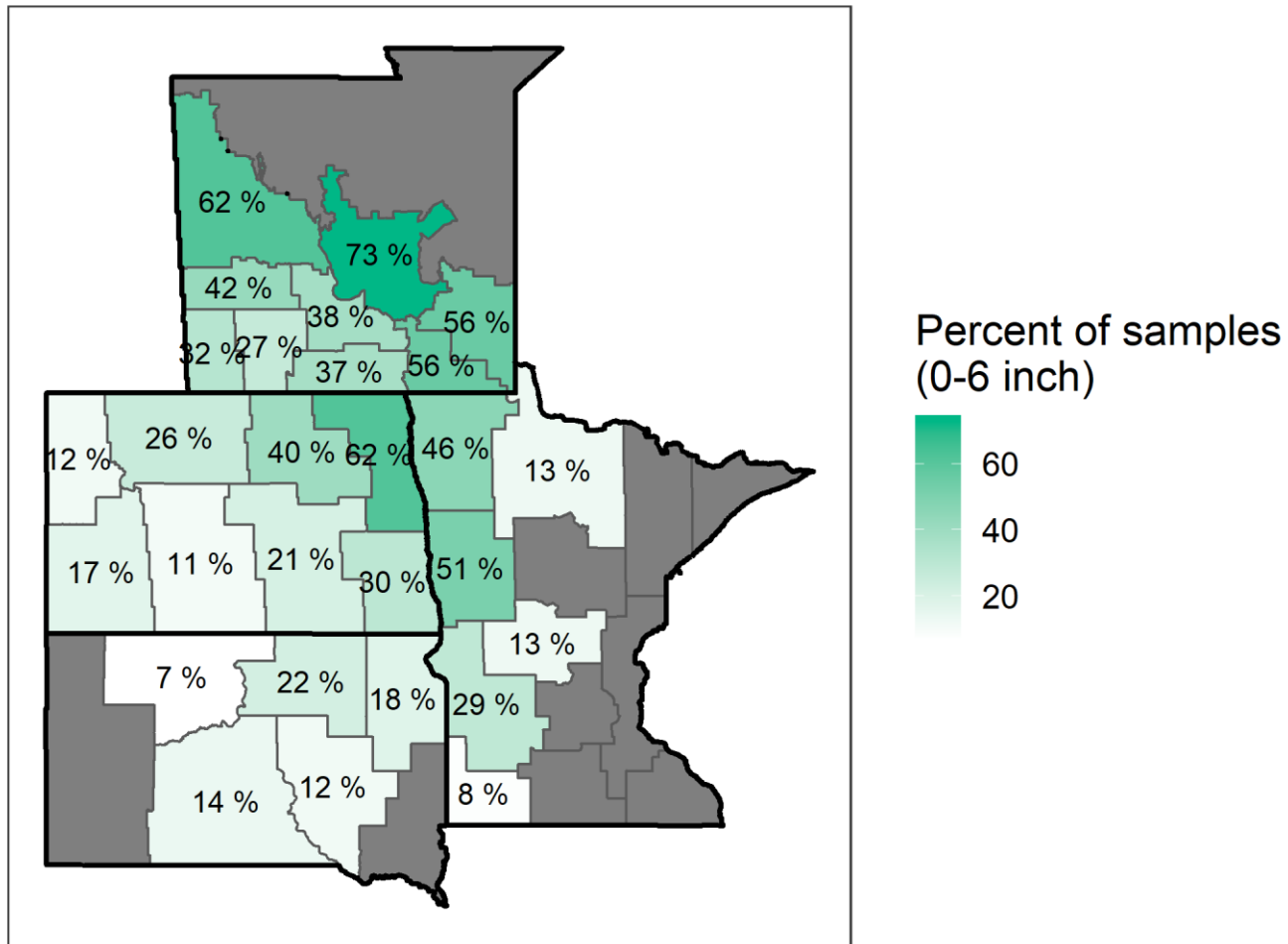
AGVISE Laboratories, Northwood, ND

Soil samples with soil carbonate (CCE) above 5.0% in 2018



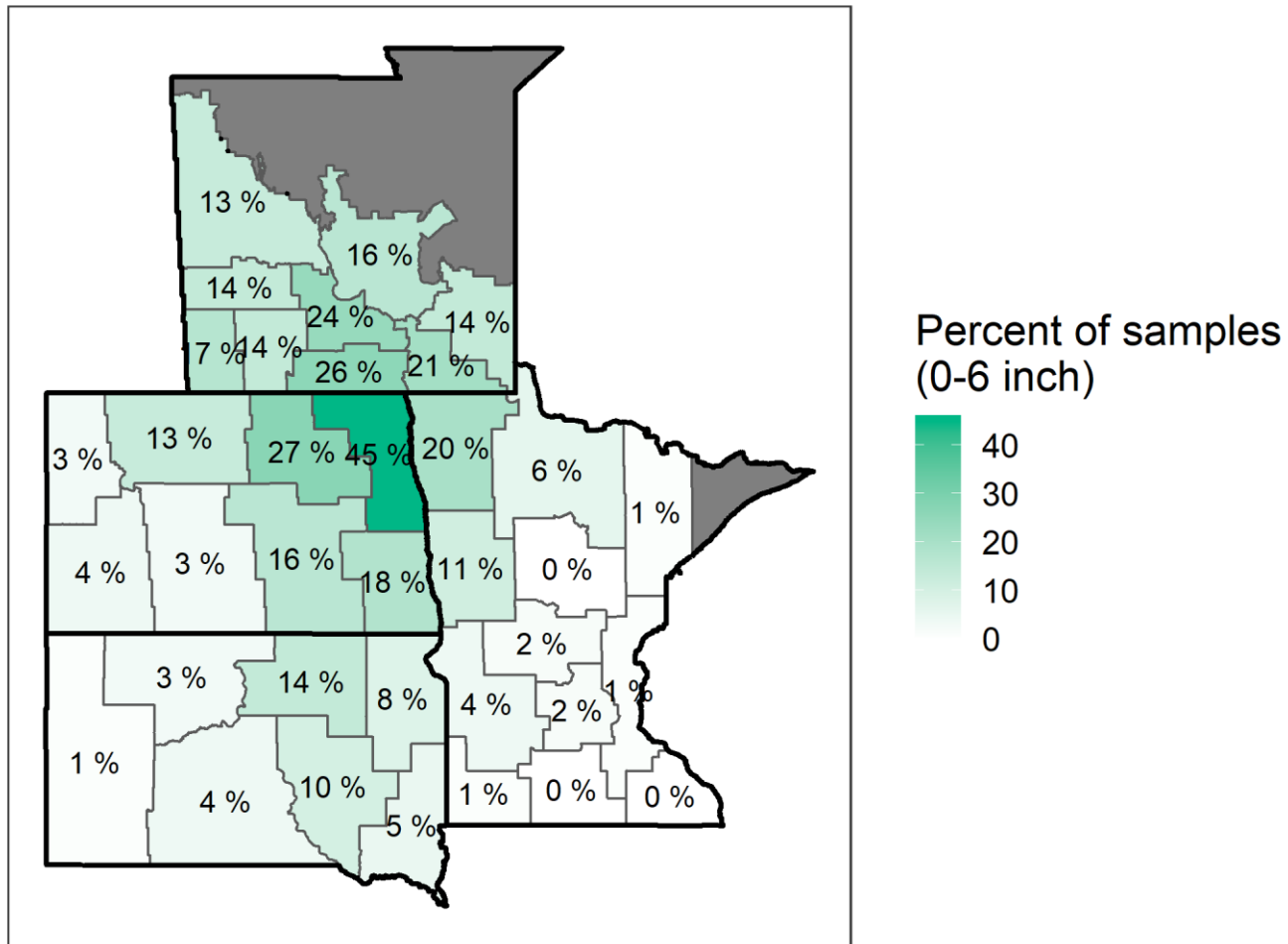
AGVISE Laboratories, Northwood, ND

Soil samples with high risk of soybean iron deficiency chlorosis (IDC) in 2018



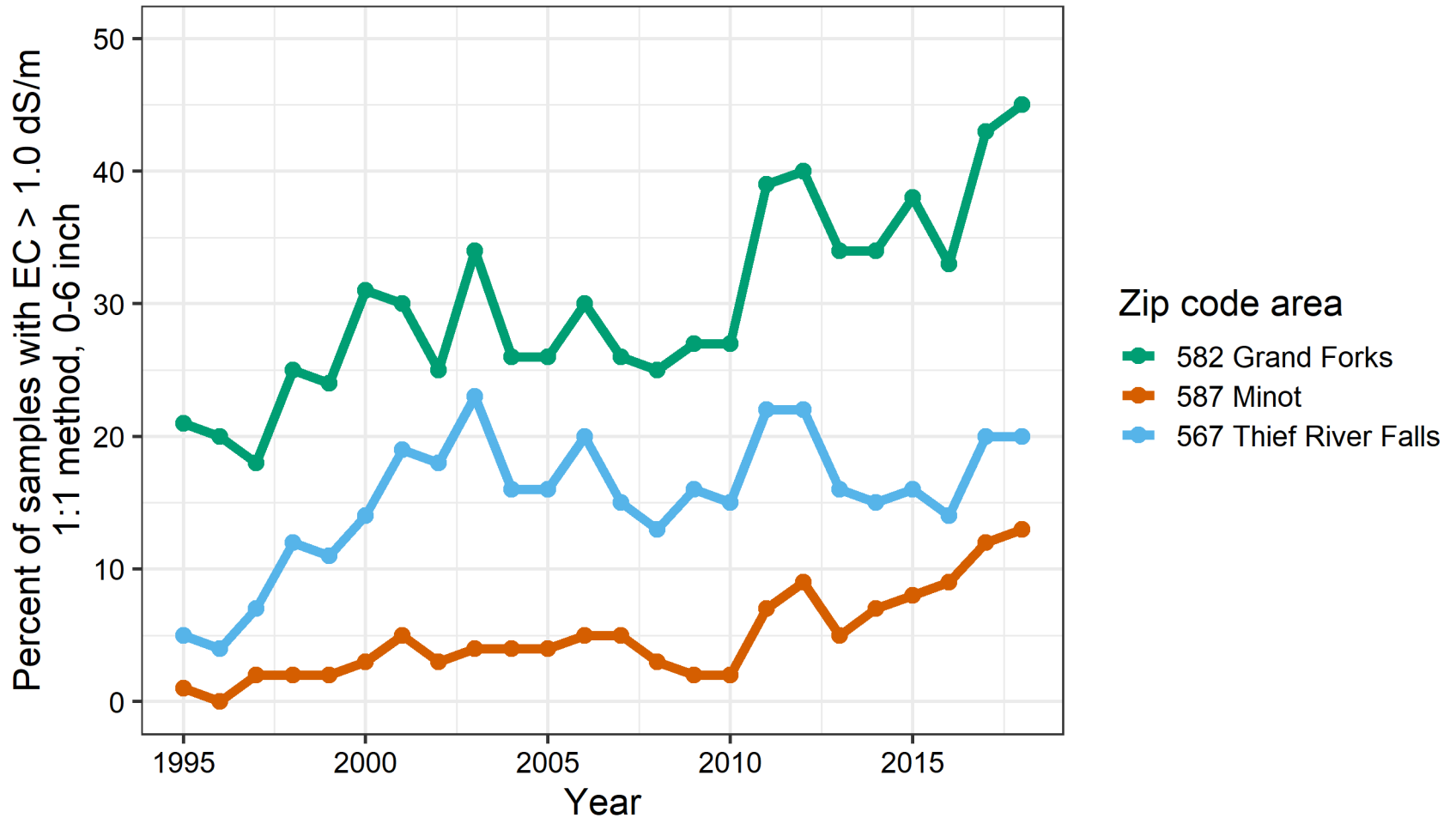
AGVISE Laboratories, Northwood, ND

Soil samples with soil salinity above 1.0 dS/m (1:1) in 2018



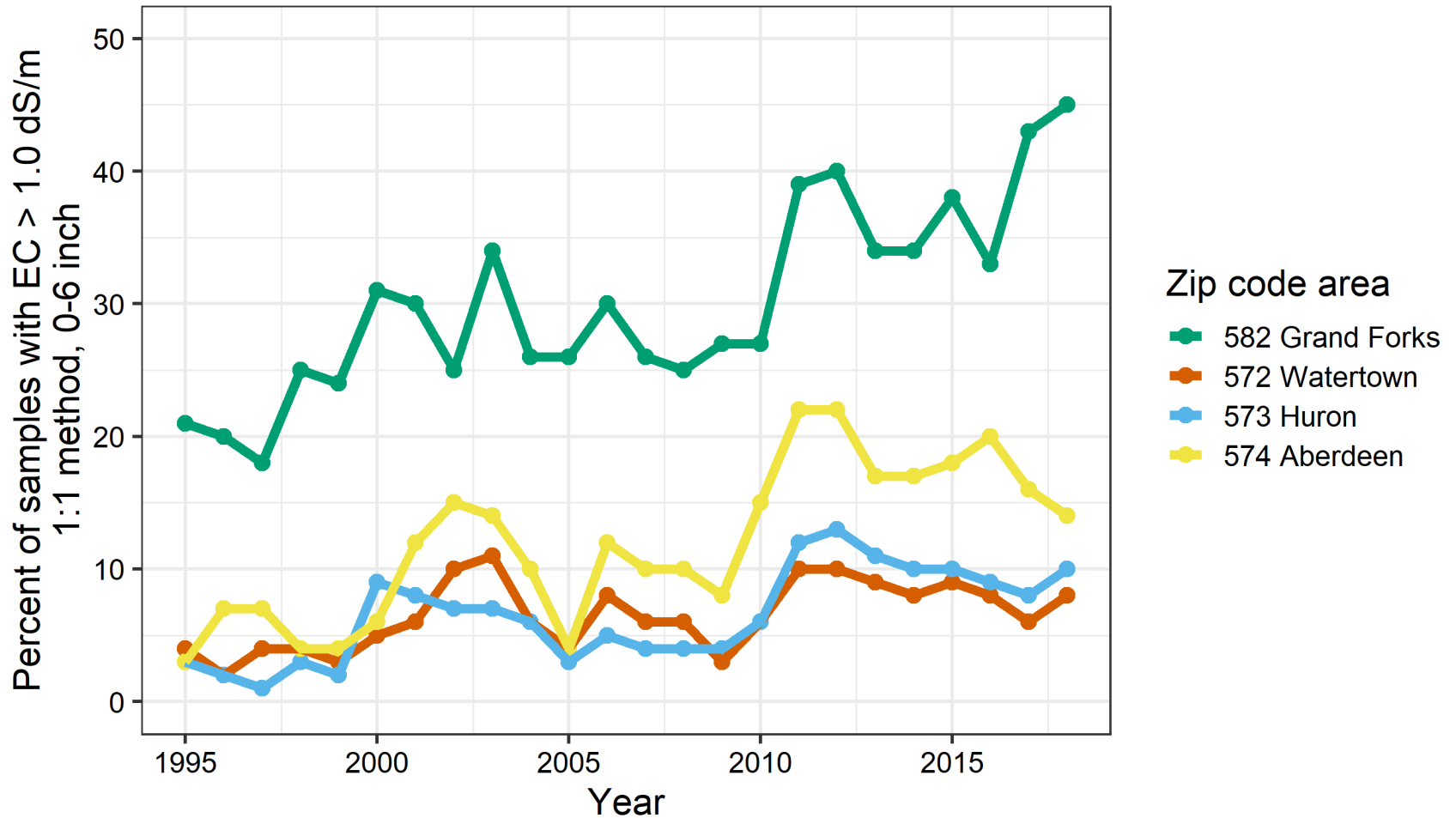
AGVISE Laboratories, Northwood, ND

Soil salinity trend (>1.0 dS/m) across northeast ND & northwest MN



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Soil salinity trend (>1.0 dS/m) across eastern SD & northeast ND



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Postal code areas for soil test summary

