

AGVISE Soil Test Summary 2021

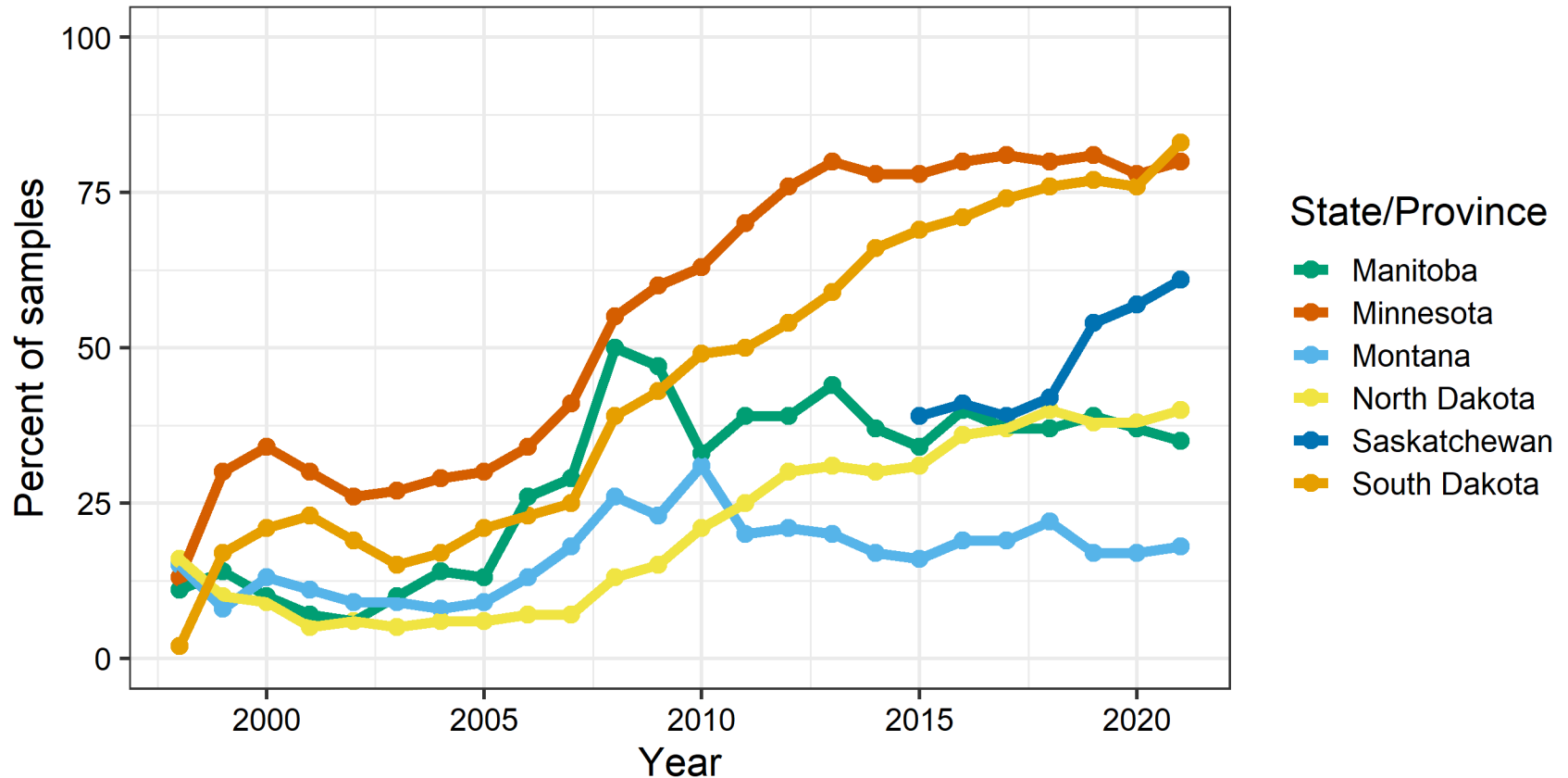
Minnesota, North Dakota

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)

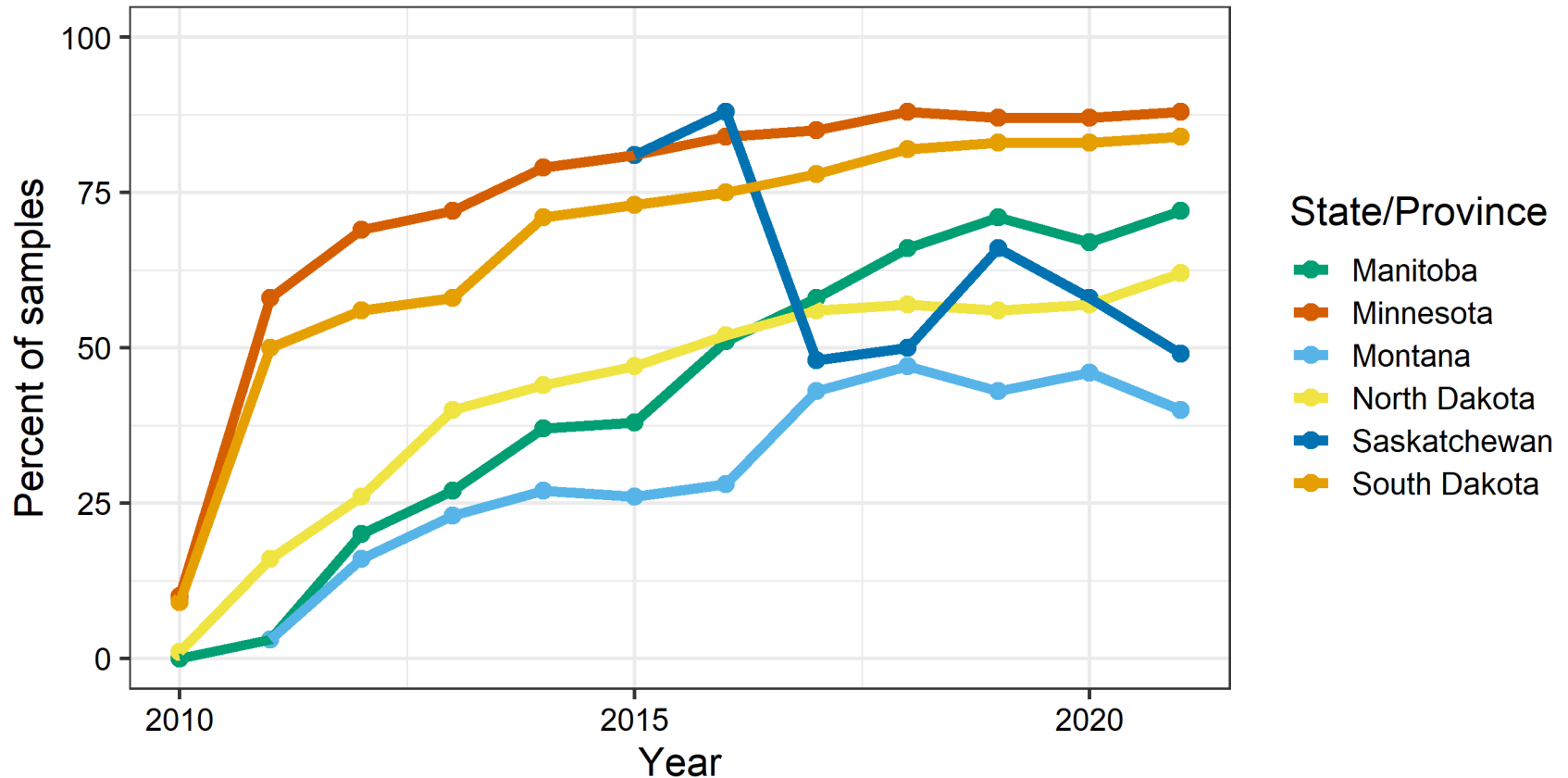
Trend from 1998 to 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

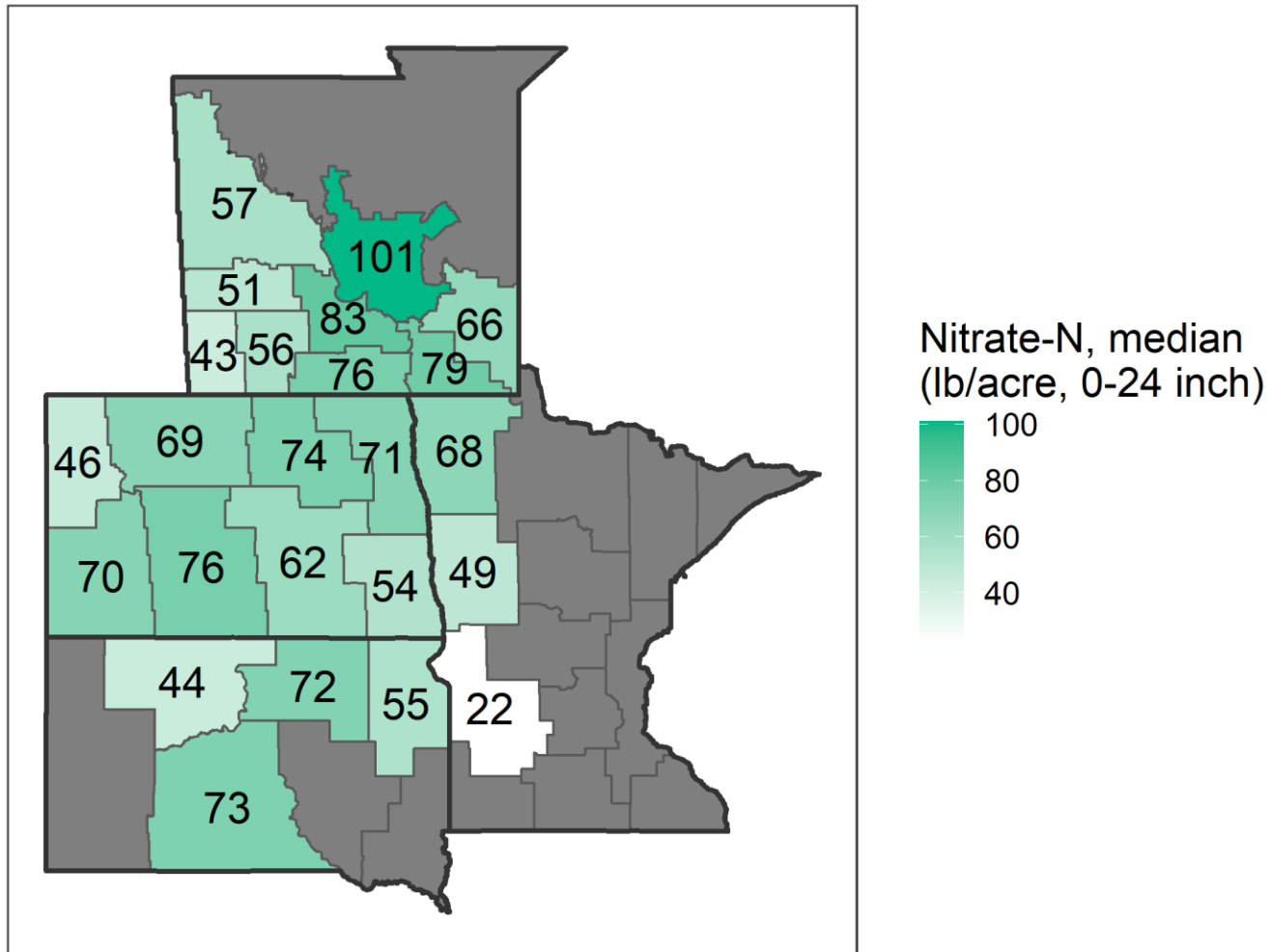
Soil samples submitted using AGVISE Online Submission

Trend from 2010 to 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

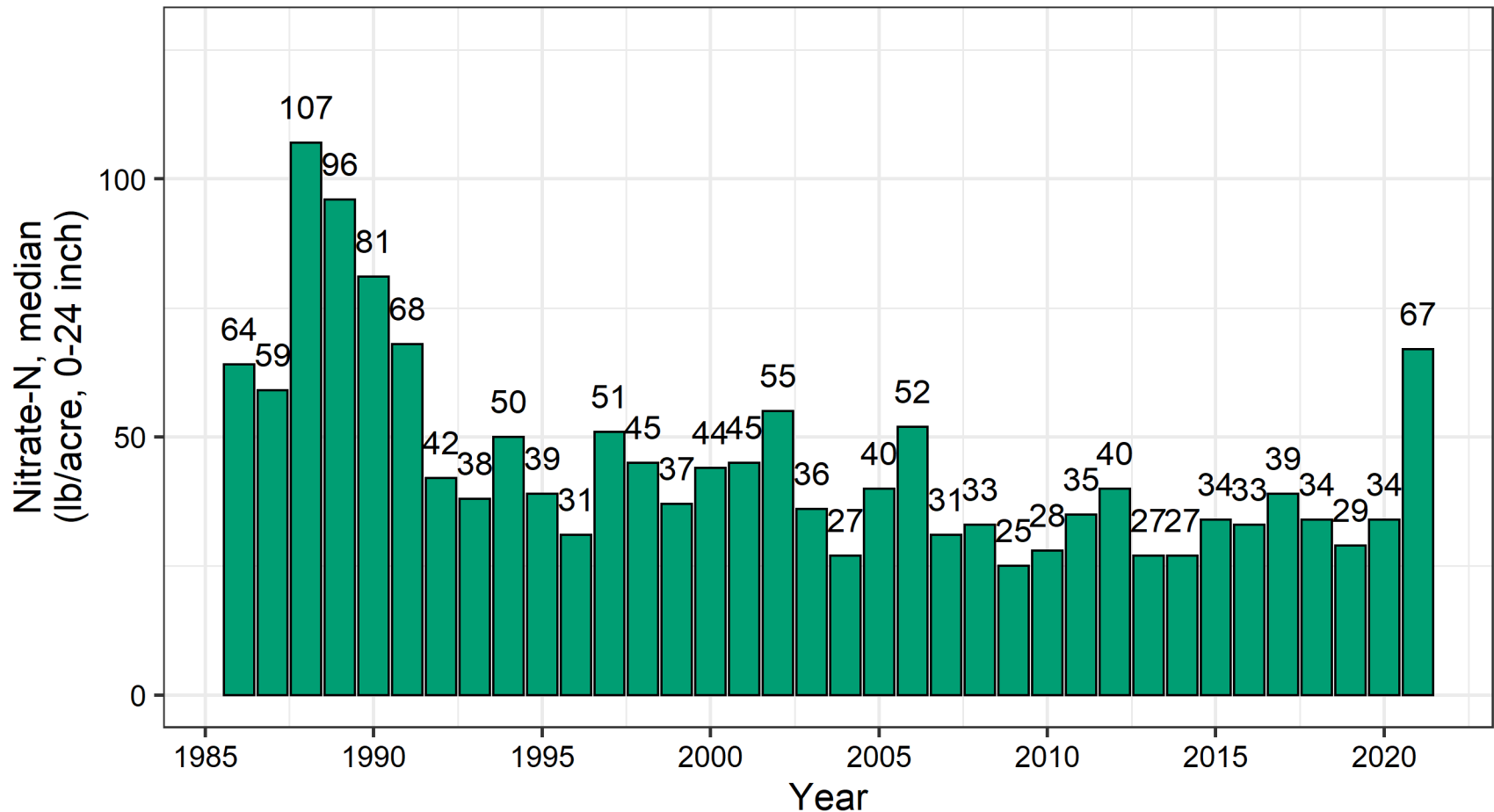
Residual nitrate following wheat in 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

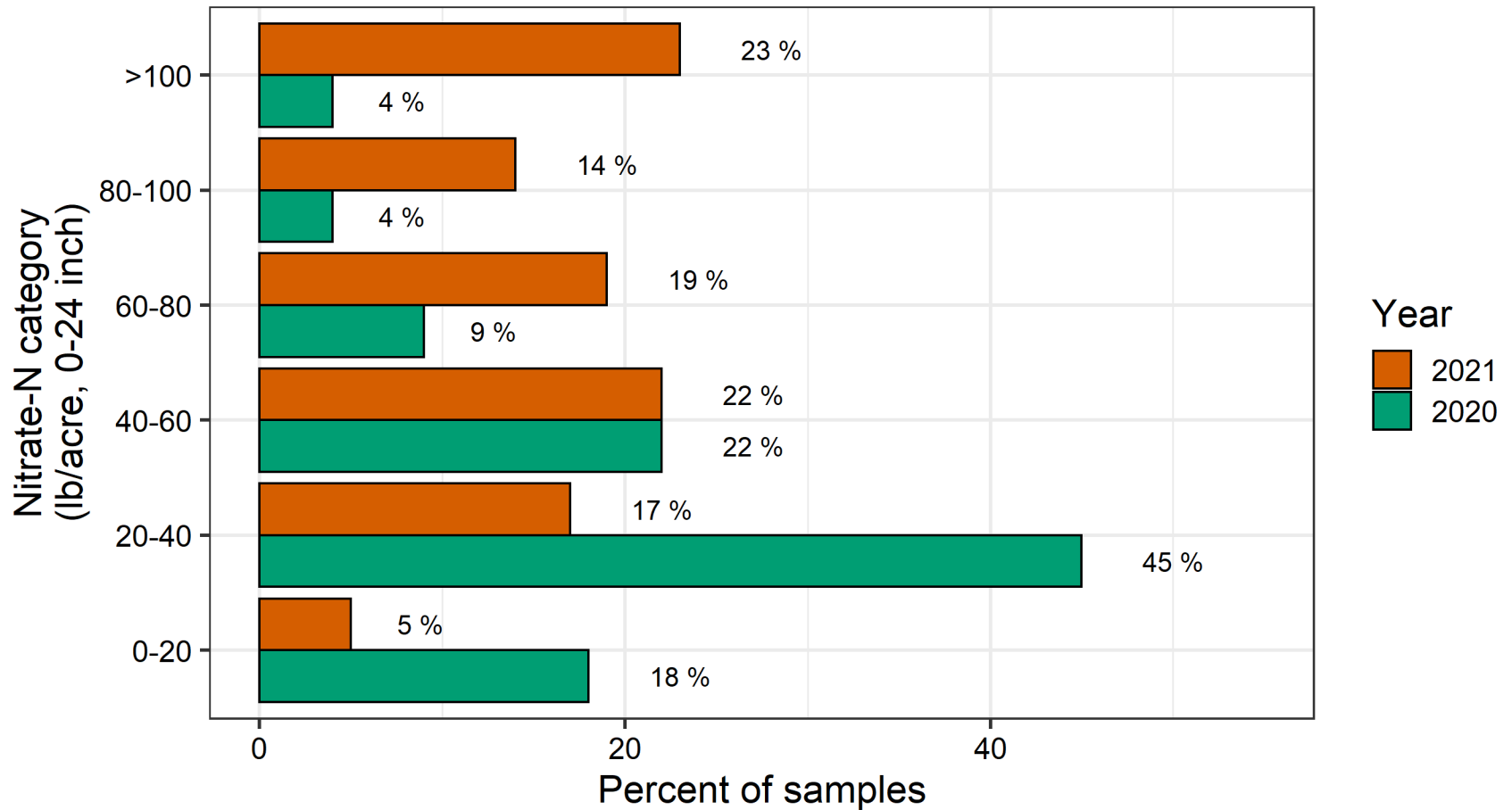
Residual nitrate following wheat

Trend from 1986 to 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

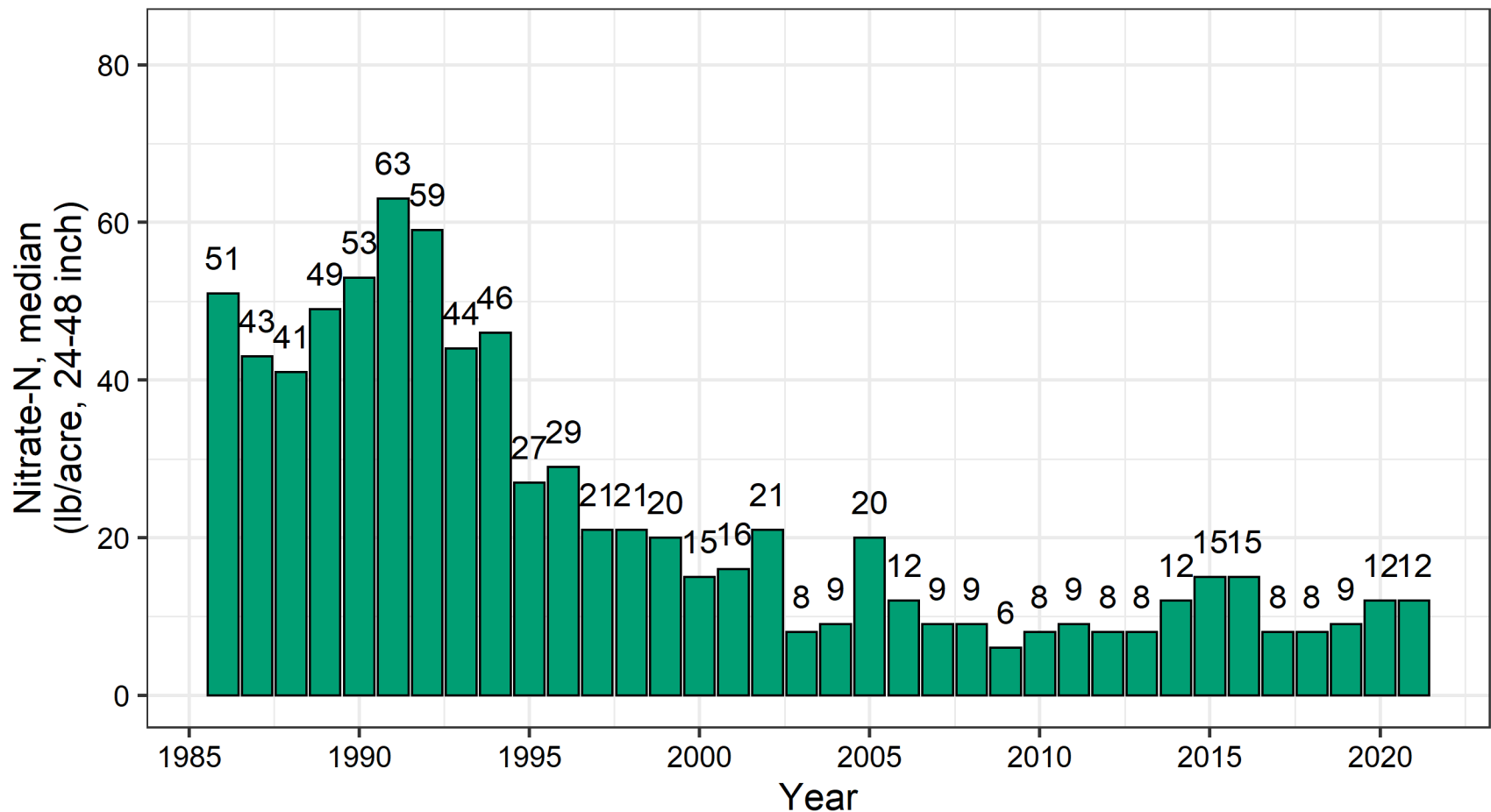
Residual nitrate variability following wheat in 2020 & 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

Residual deep nitrate following wheat

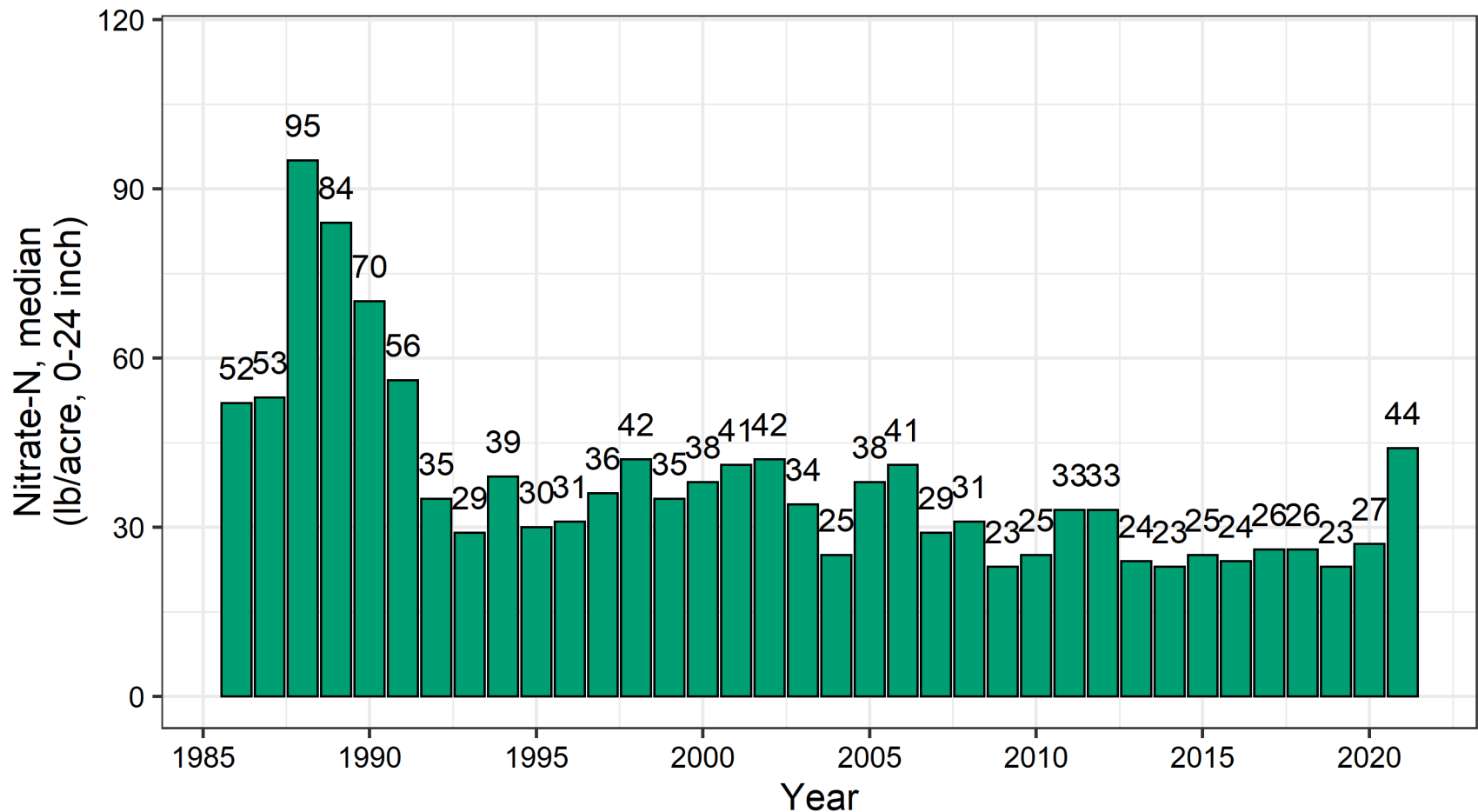
Trend from 1986 to 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

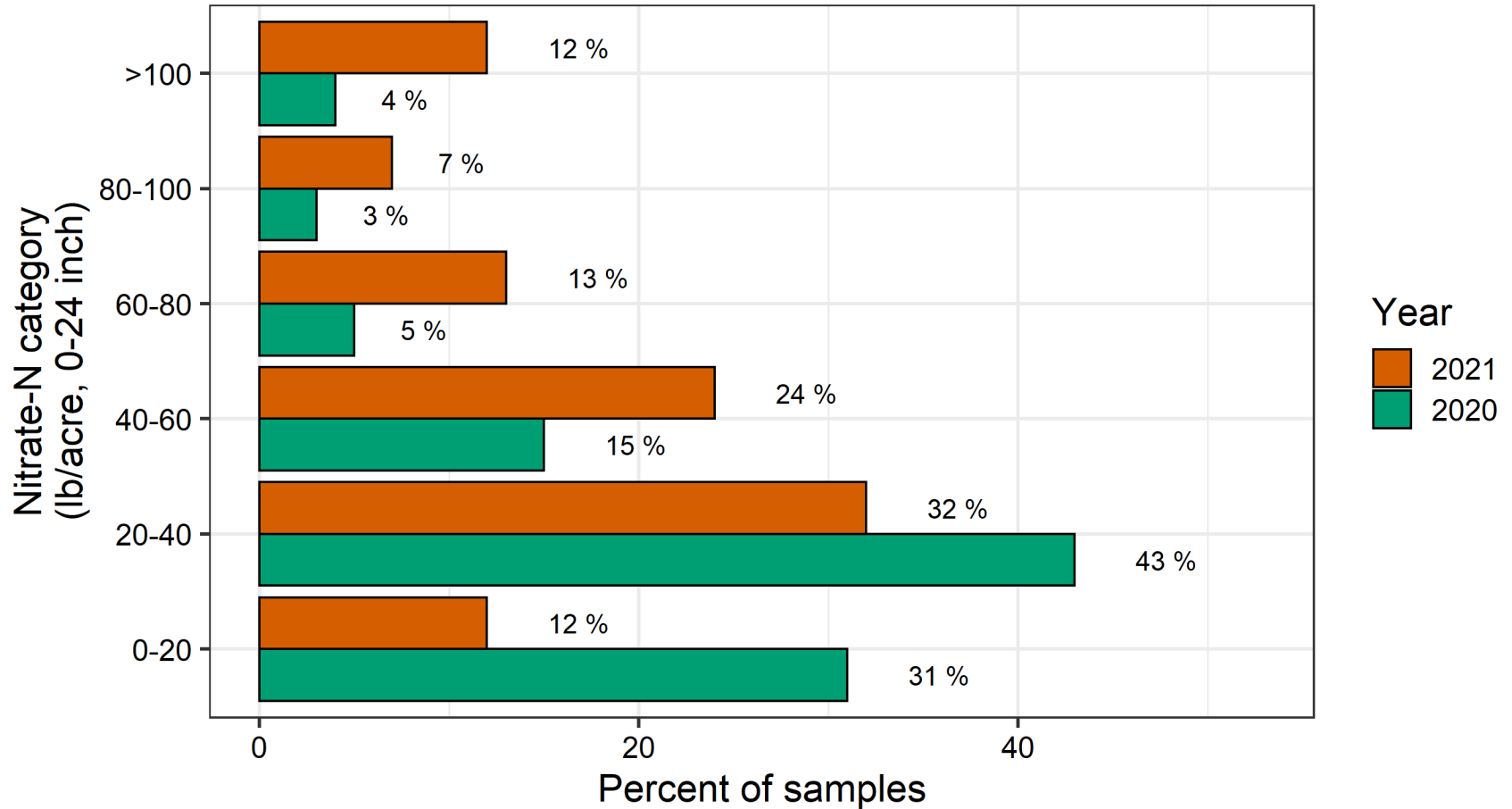
Residual nitrate following barley

Trend from 1986 to 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

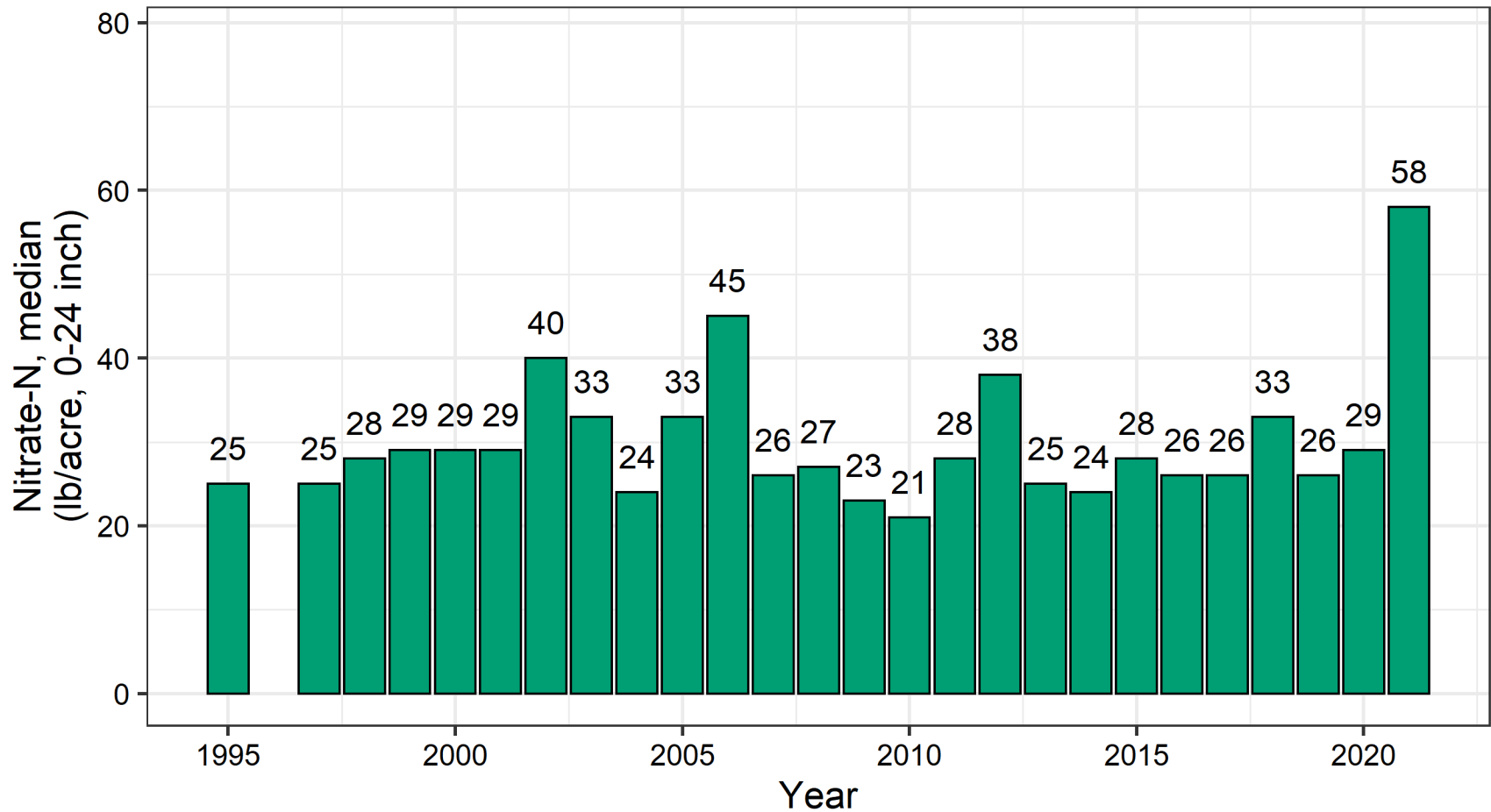
Residual nitrate variability following barley in 2020 & 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

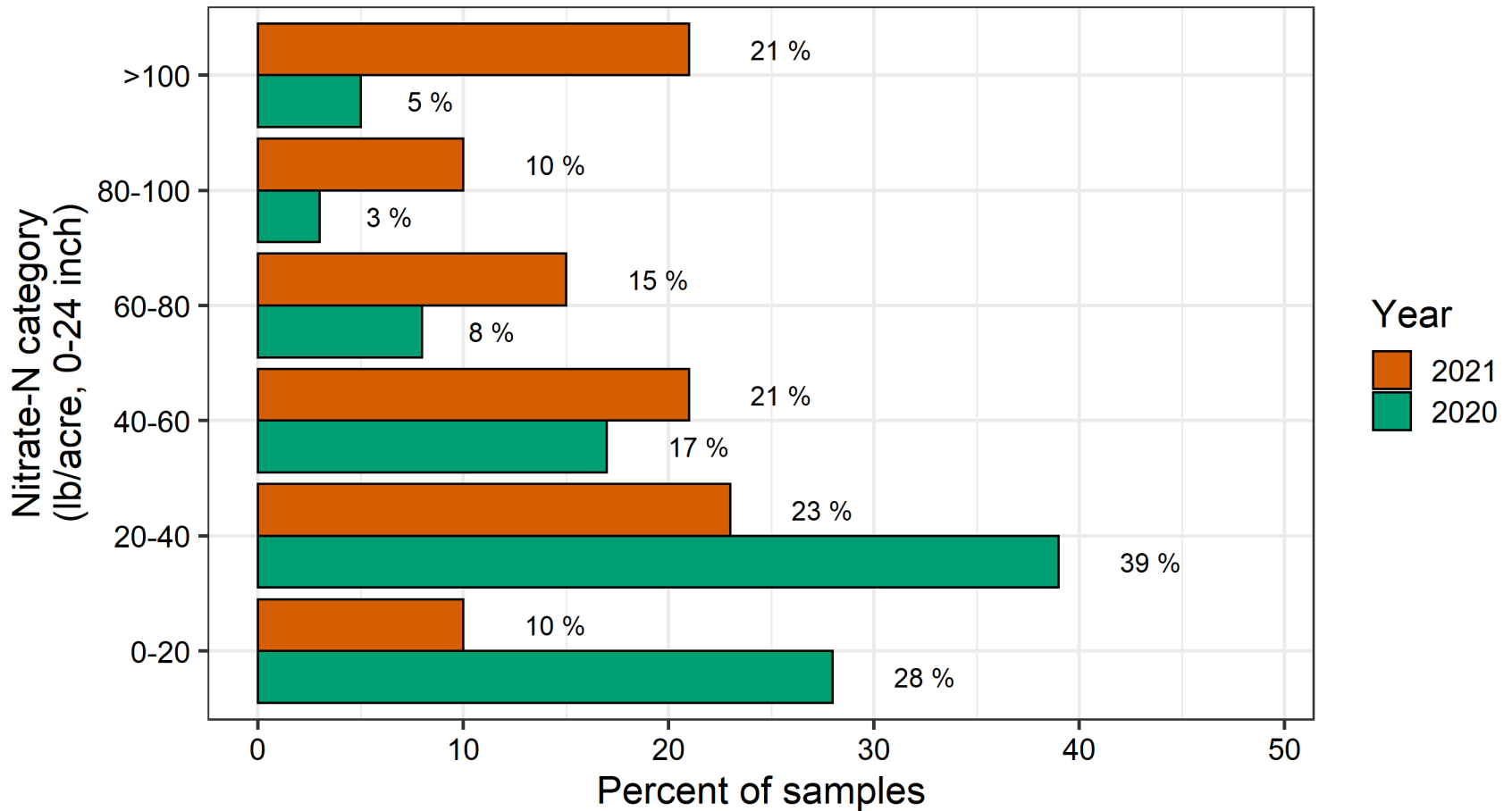
Residual nitrate following oat

Trend from 1995 to 2021



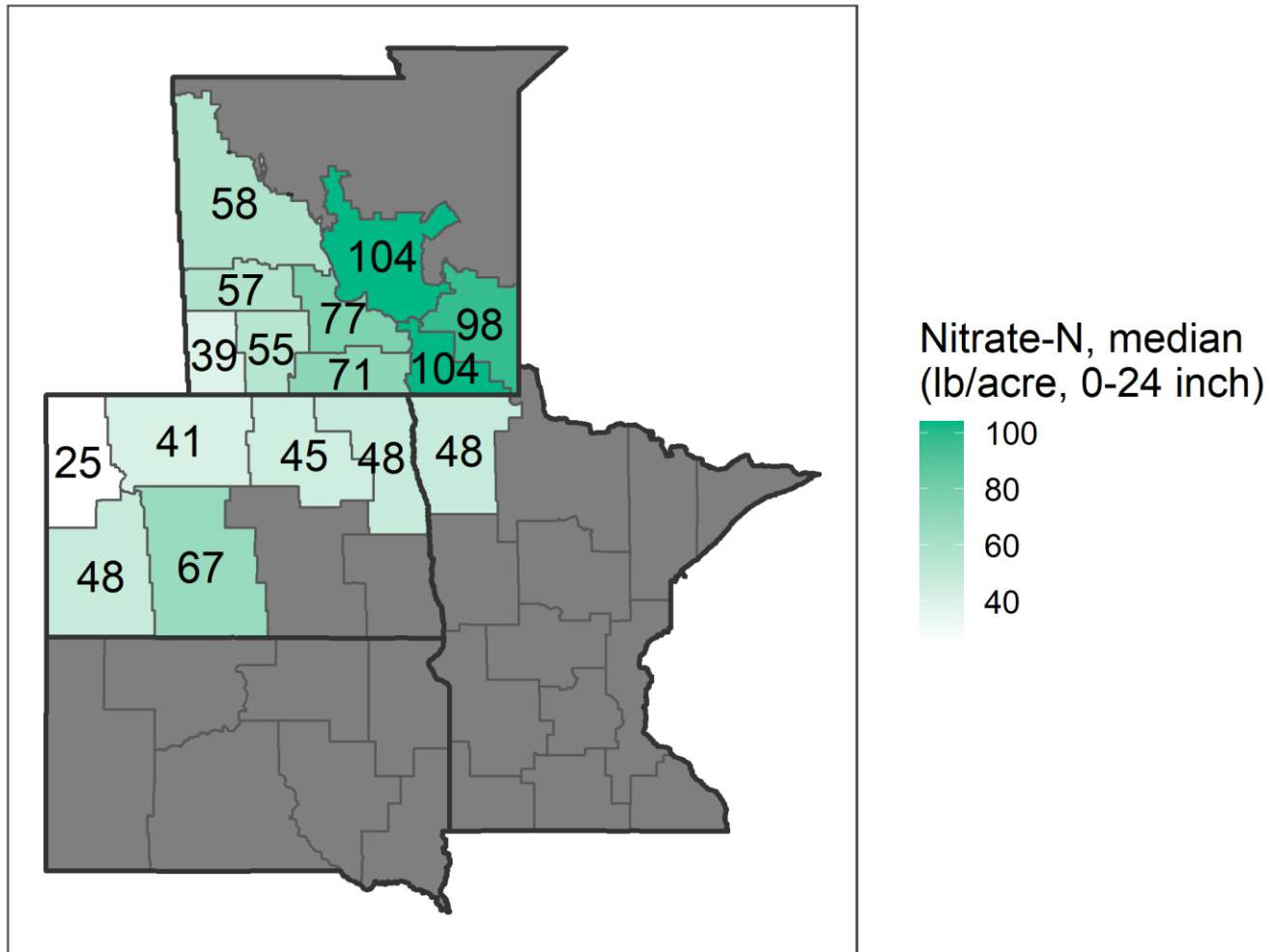
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Residual nitrate variability following oat in 2020 & 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

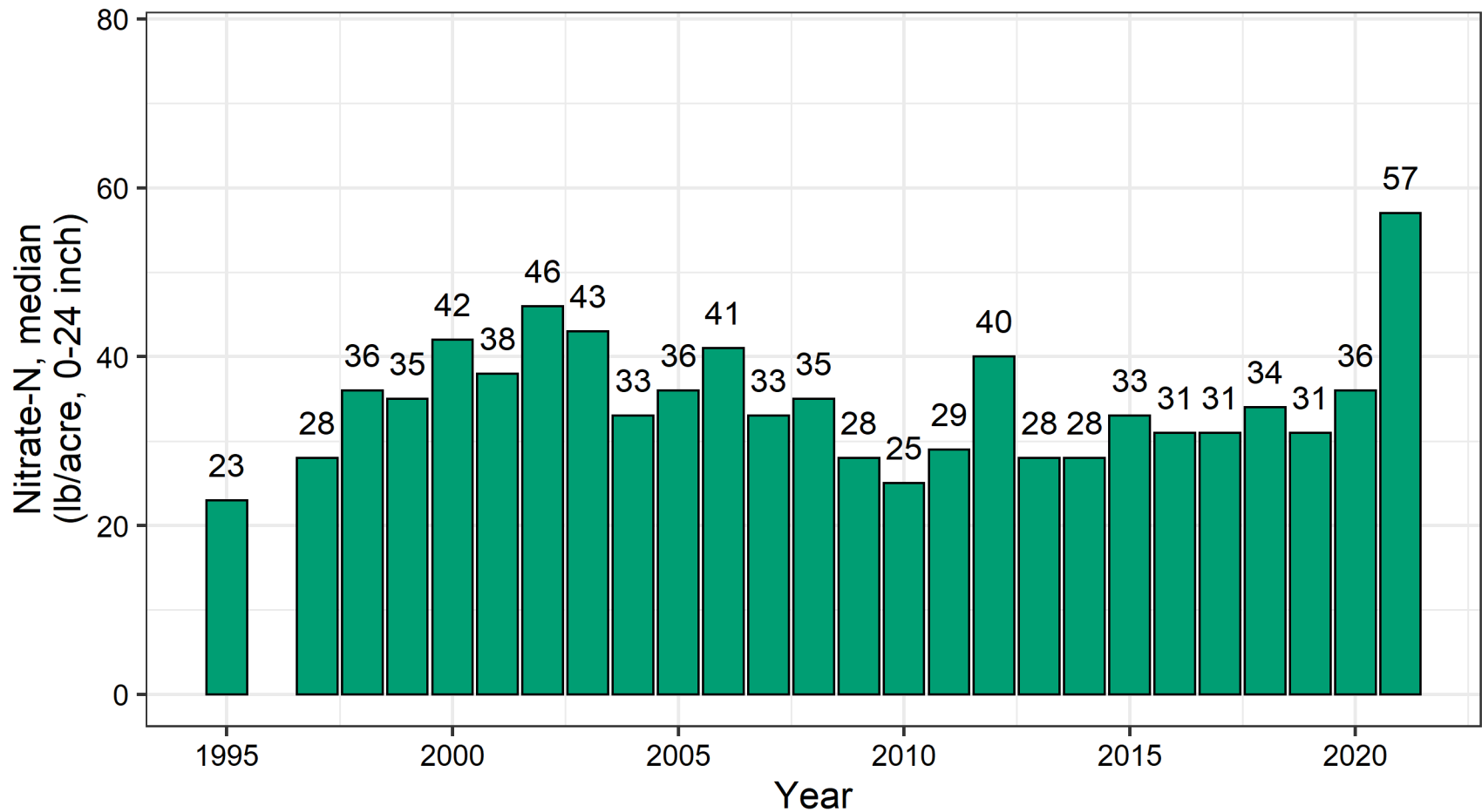
Residual nitrate following canola in 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

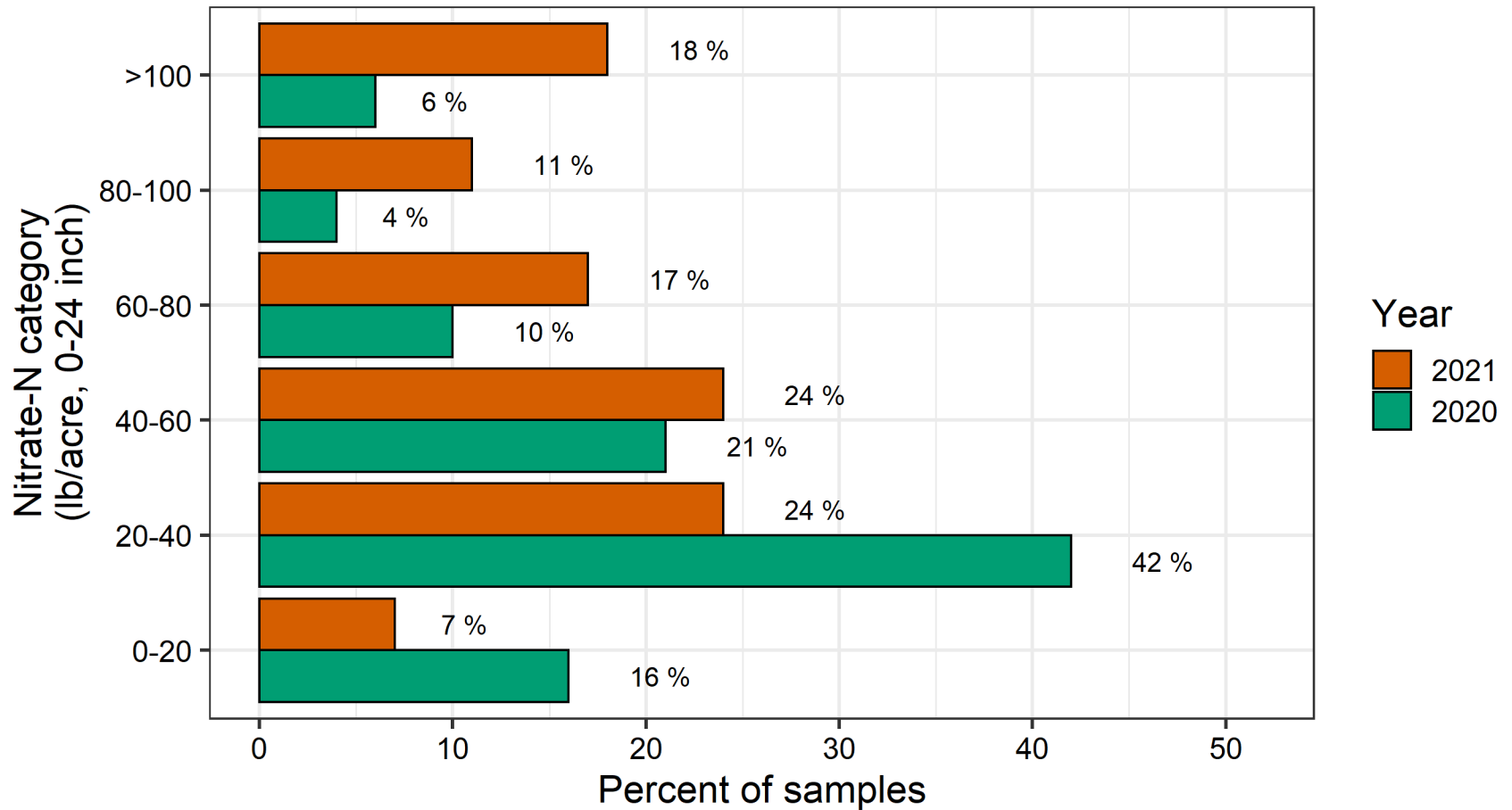
Residual nitrate following canola

Trend from 1995 to 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

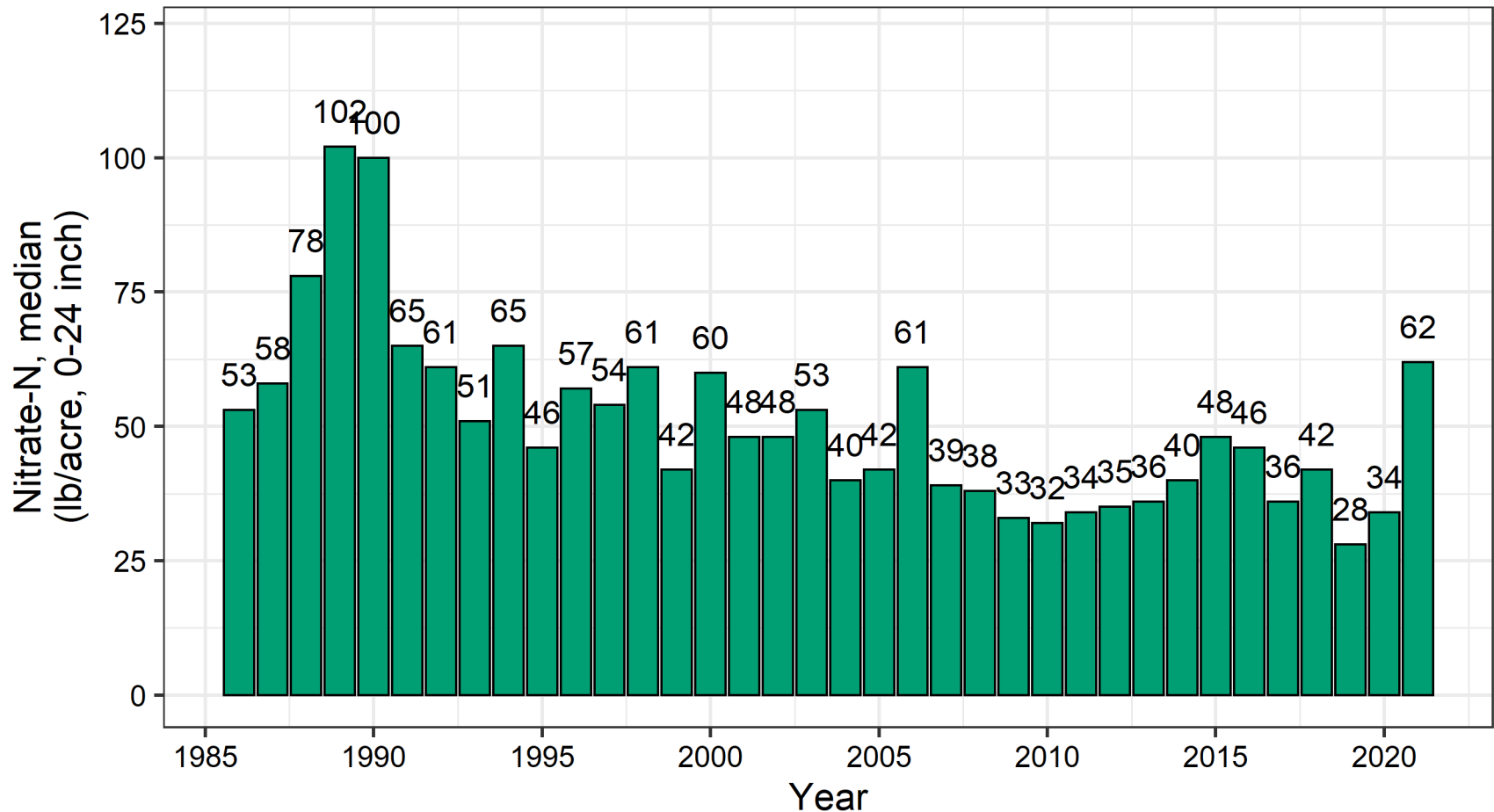
Residual nitrate variability following canola in 2020 & 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

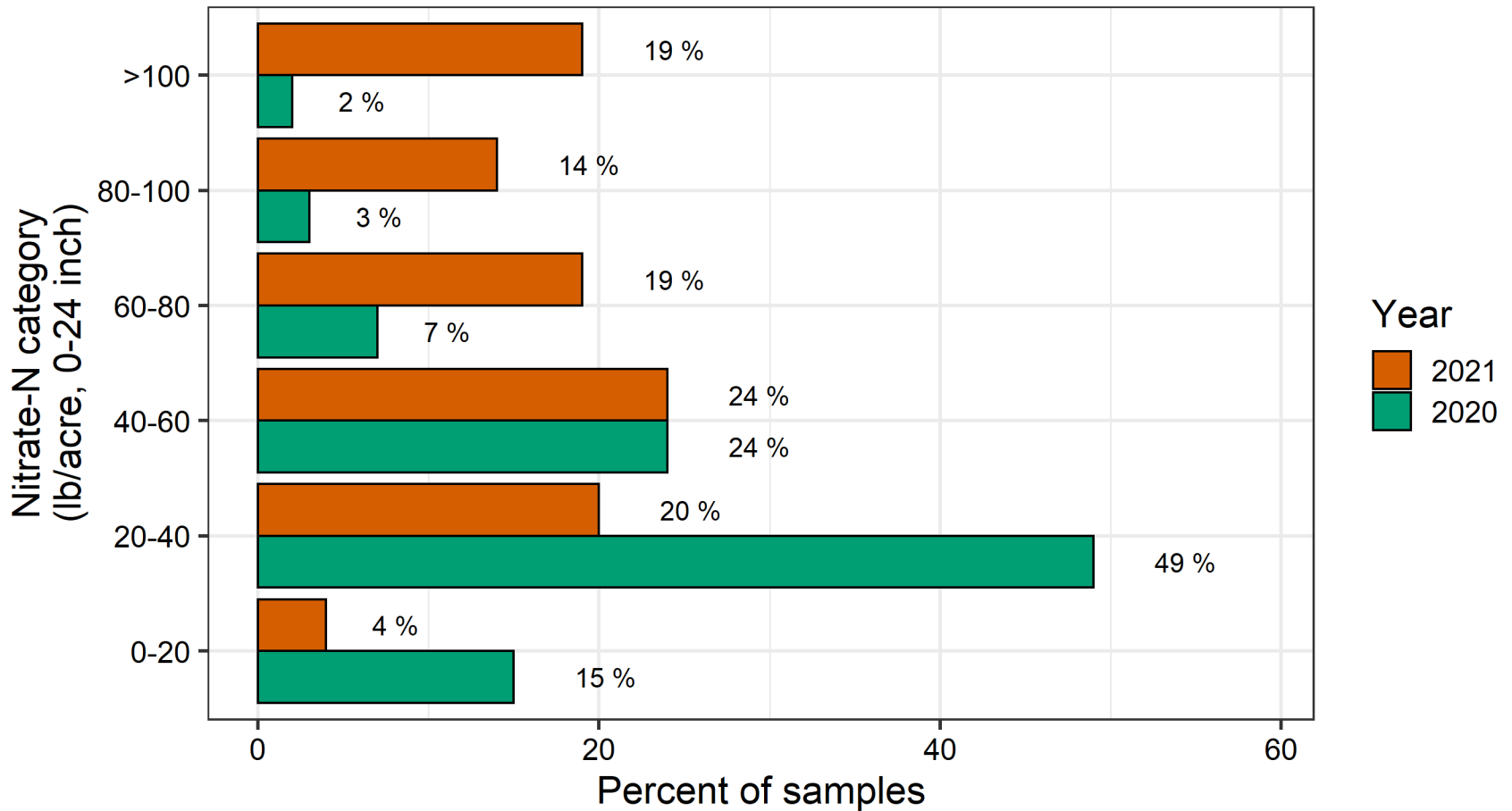
Residual nitrate following dry bean

Trend from 1986 to 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

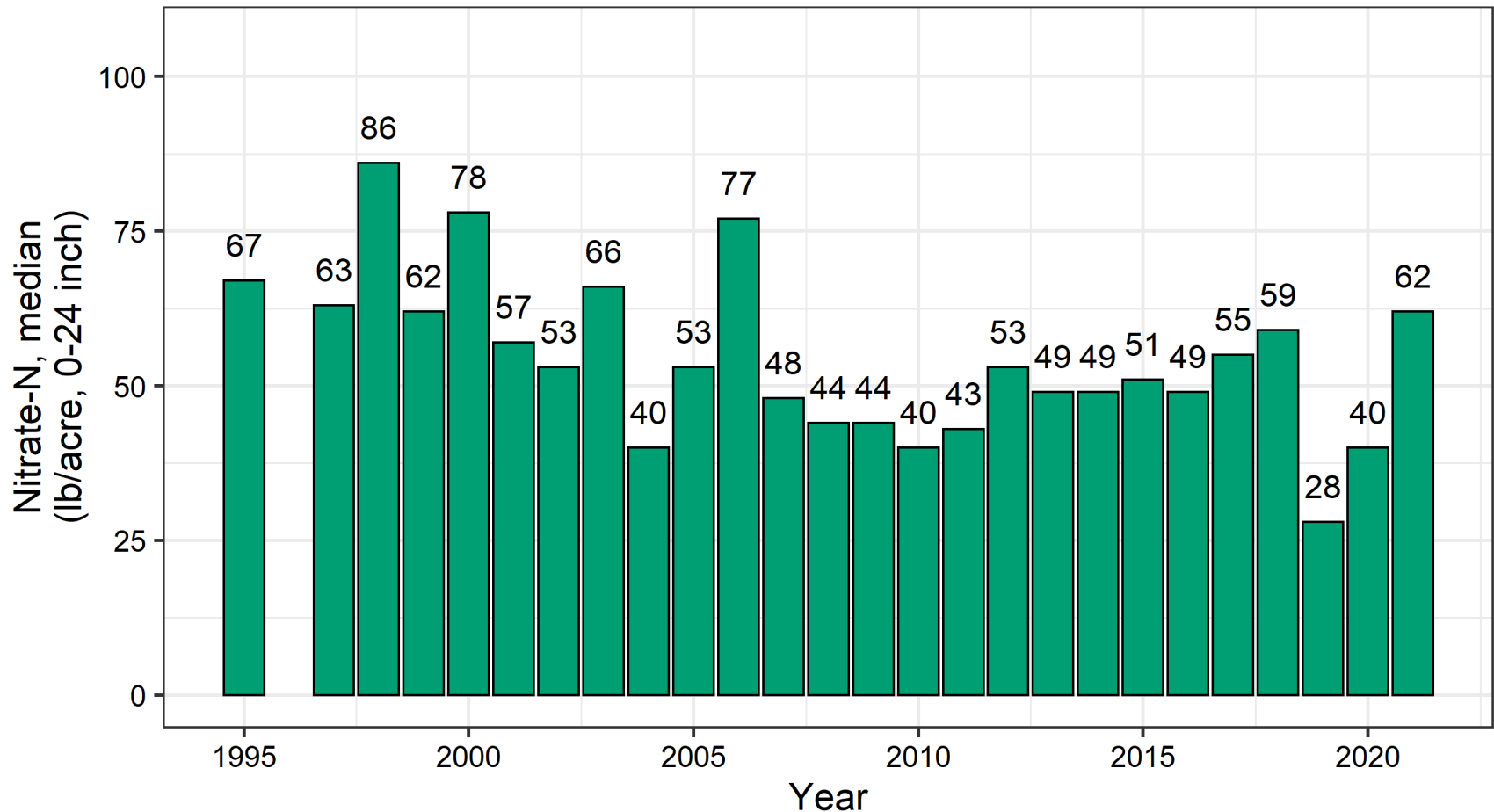
Residual nitrate variability following dry bean in 2020 & 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

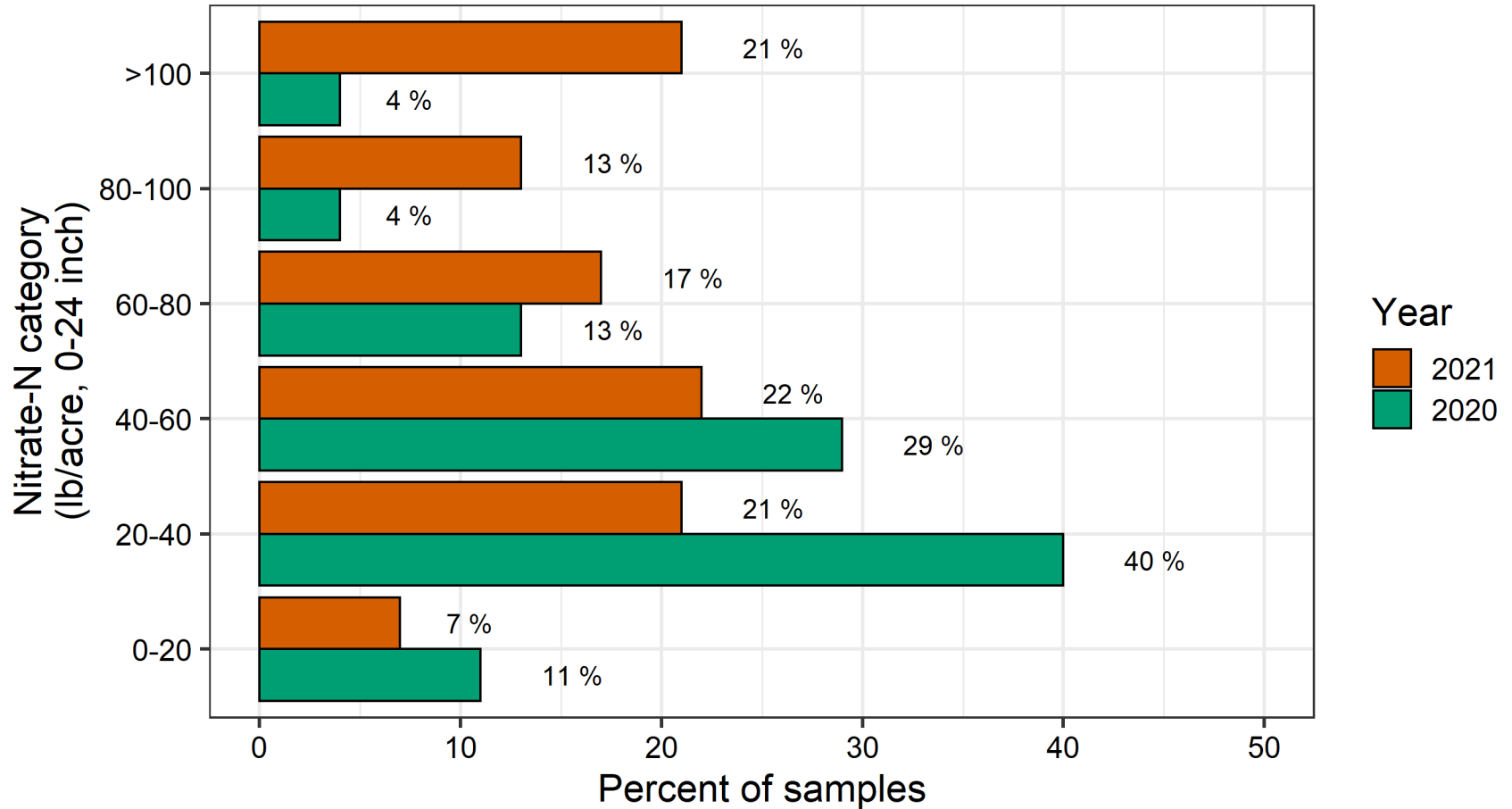
Residual nitrate following potato

Trend from 1995 to 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

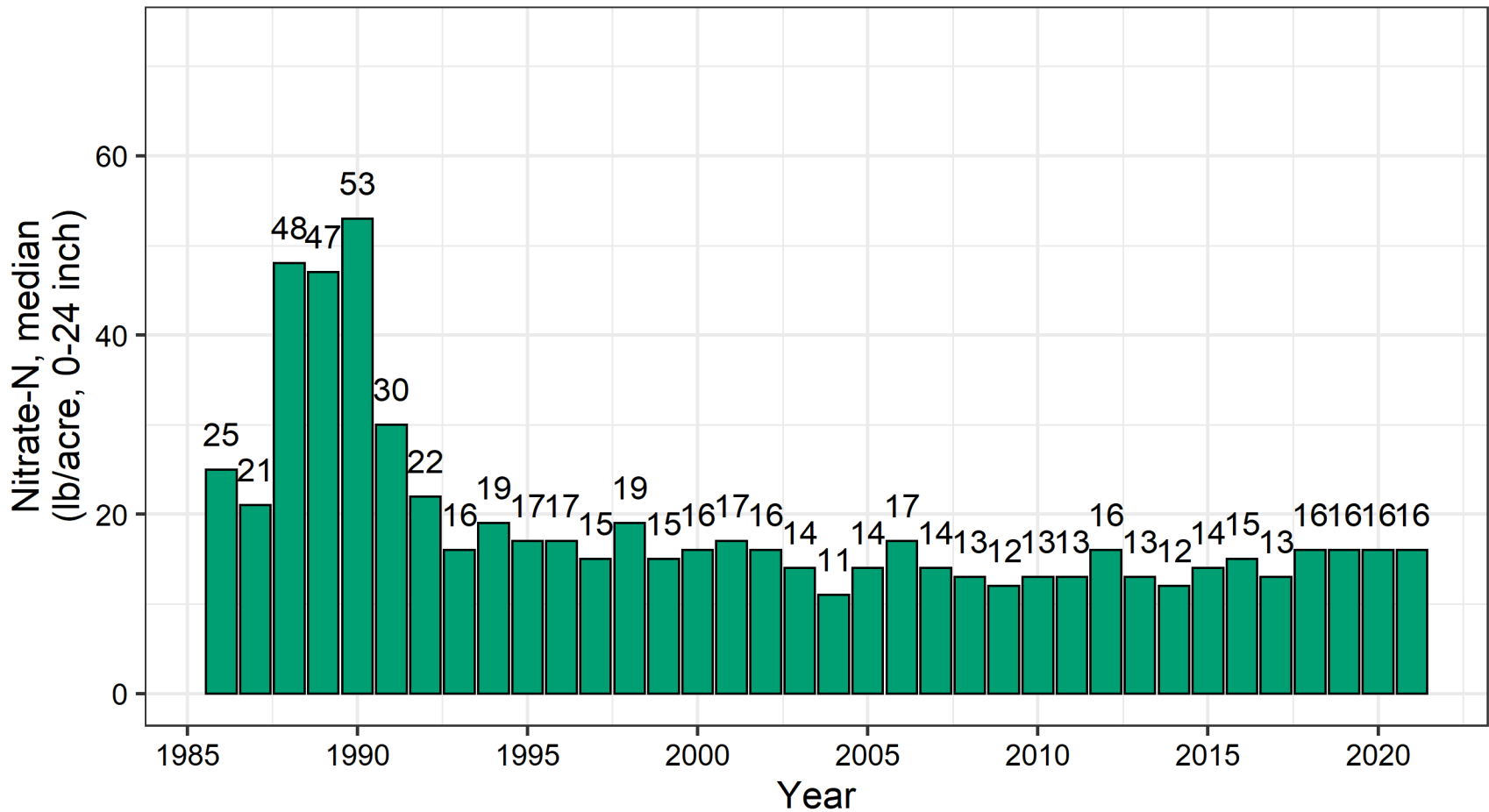
Residual nitrate variability following potato in 2020 & 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

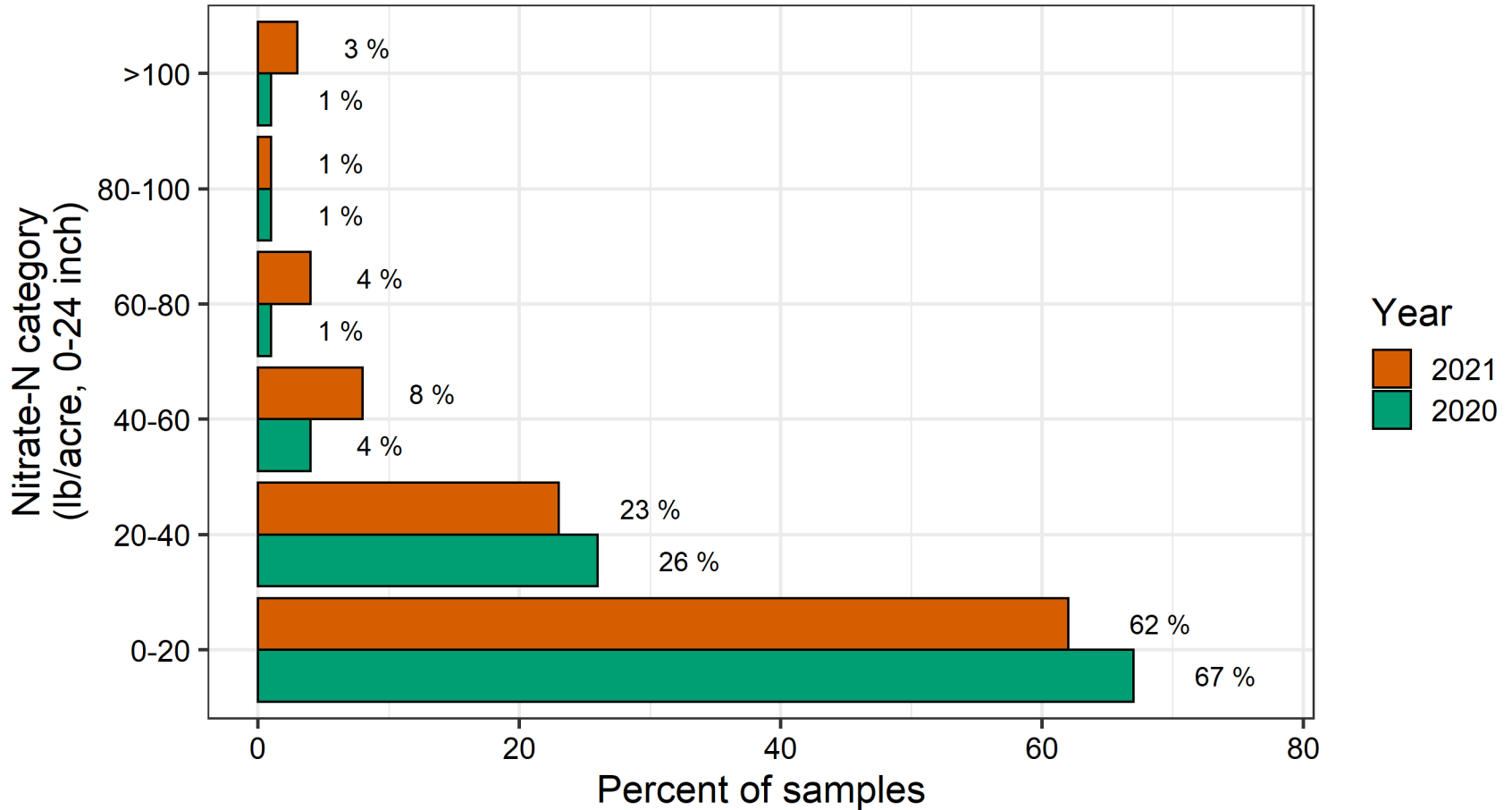
Residual nitrate following sugarbeet

Trend from 1986 to 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

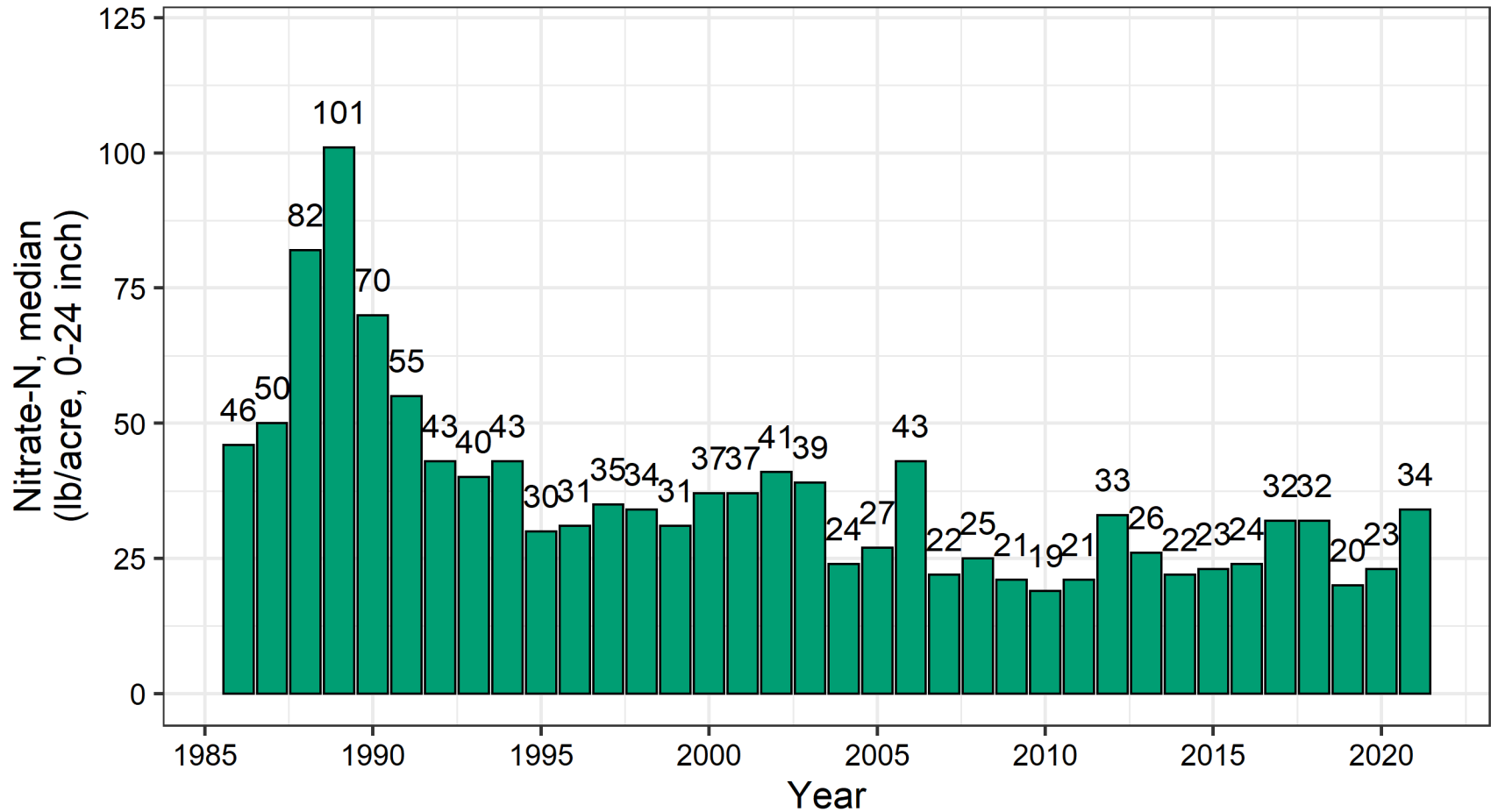
Residual nitrate variability following sugarbeet in 2020 & 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

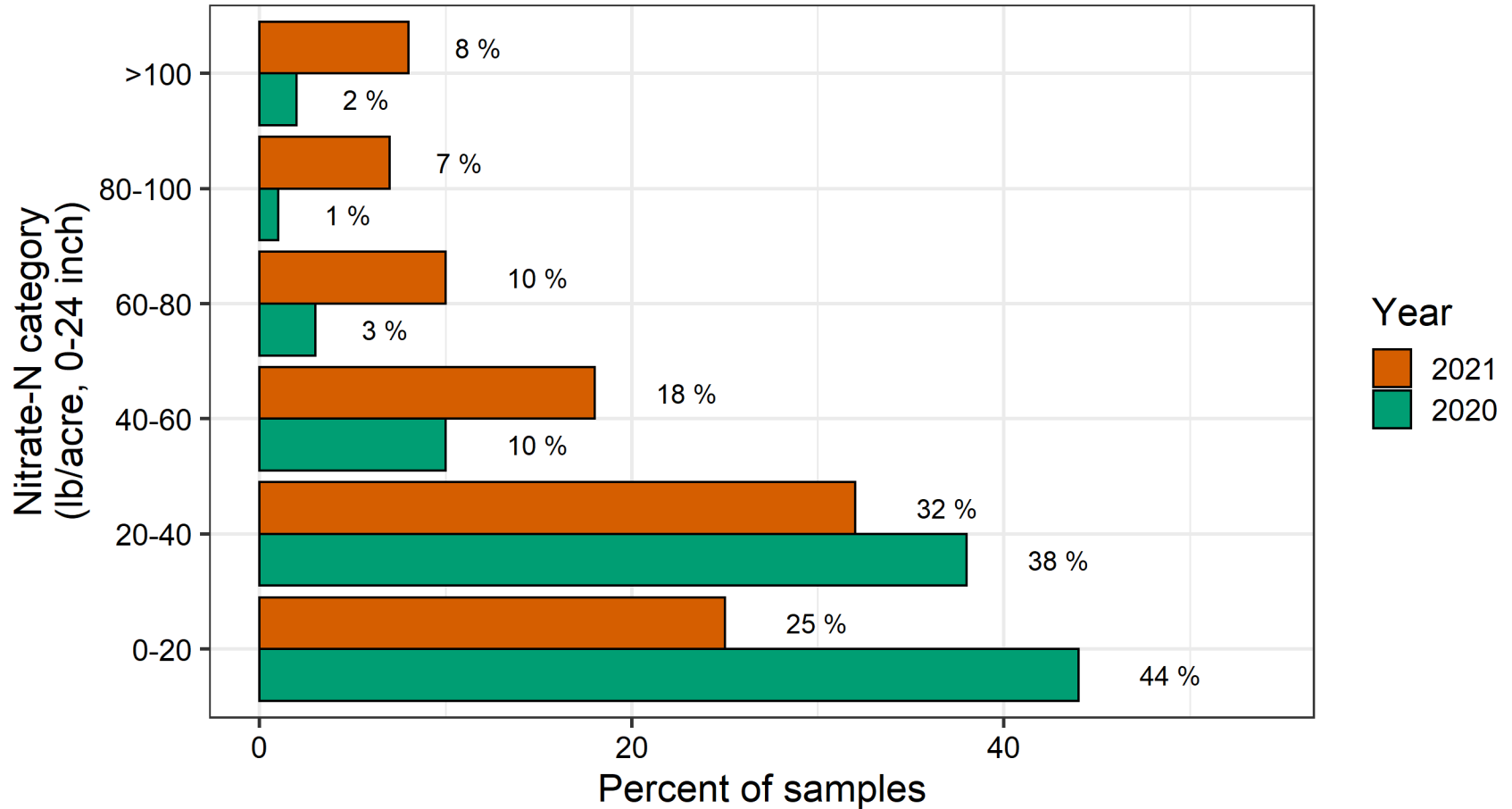
Residual nitrate following sunflower

Trend from 1986 to 2021



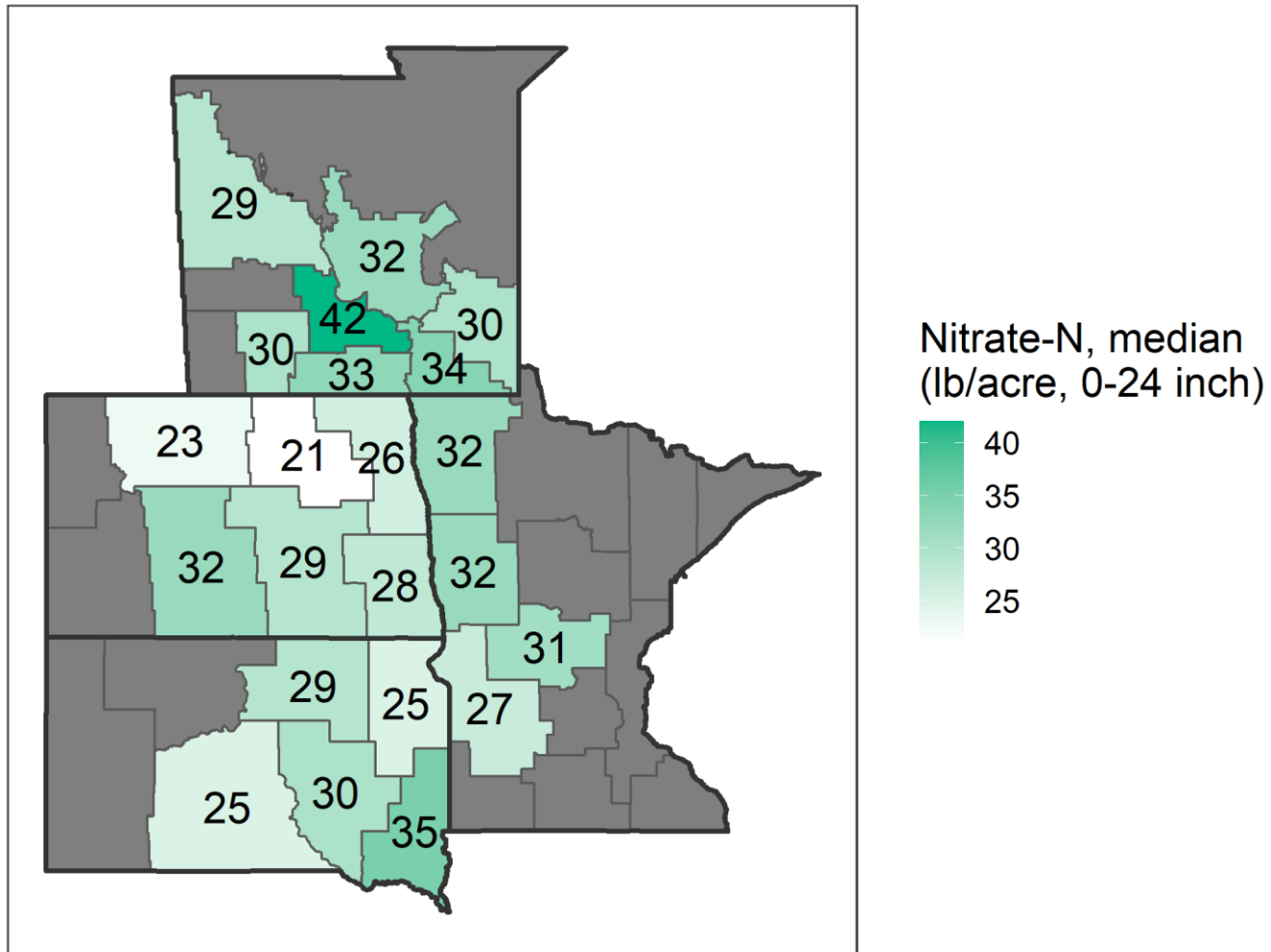
Data not shown where n < 100
AGVISE Laboratories, Inc.

Residual nitrate variability following sunflower in 2020 & 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

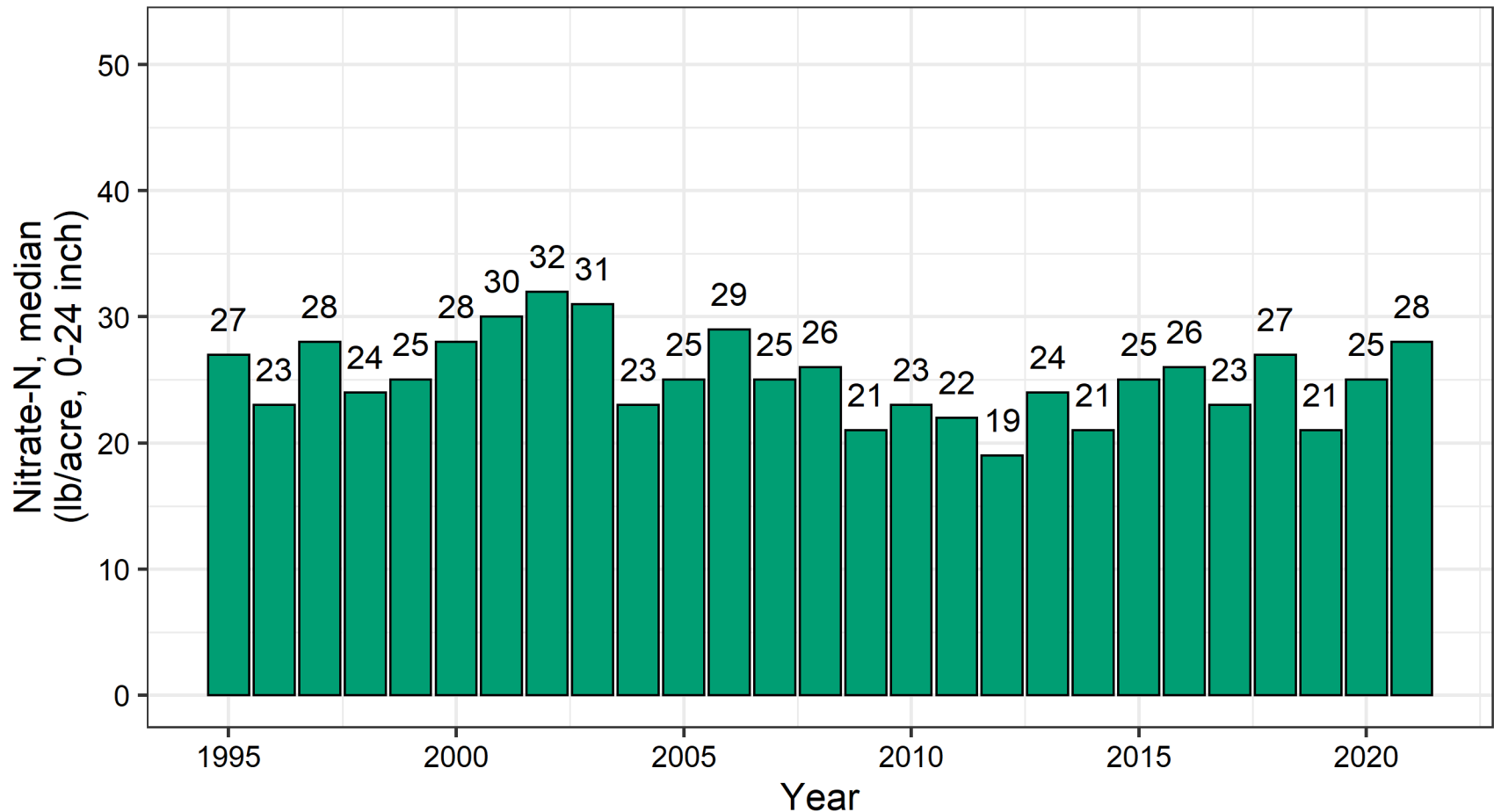
Residual nitrate following soybean in 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

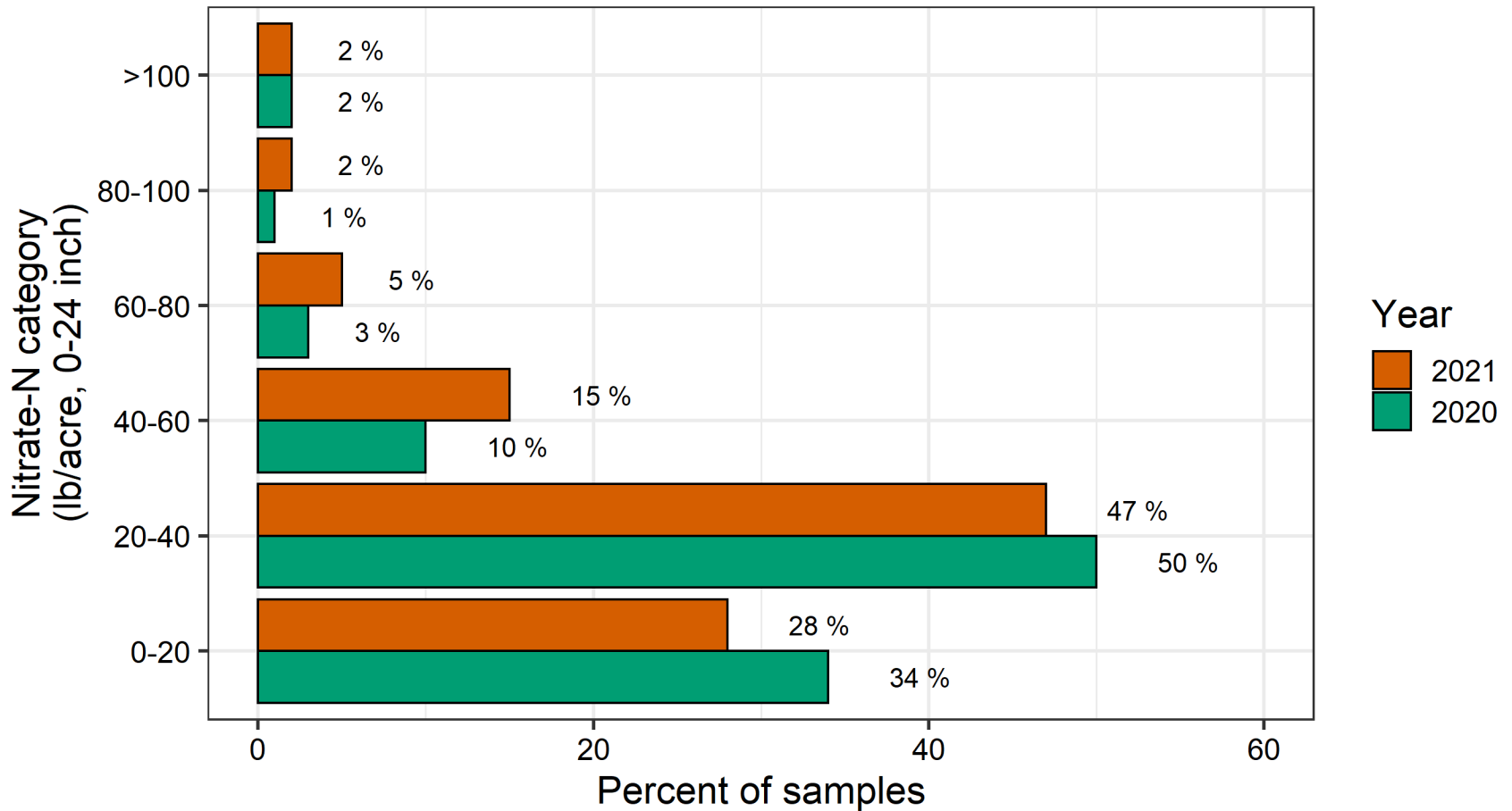
Residual nitrate following soybean

Trend from 1995 to 2021



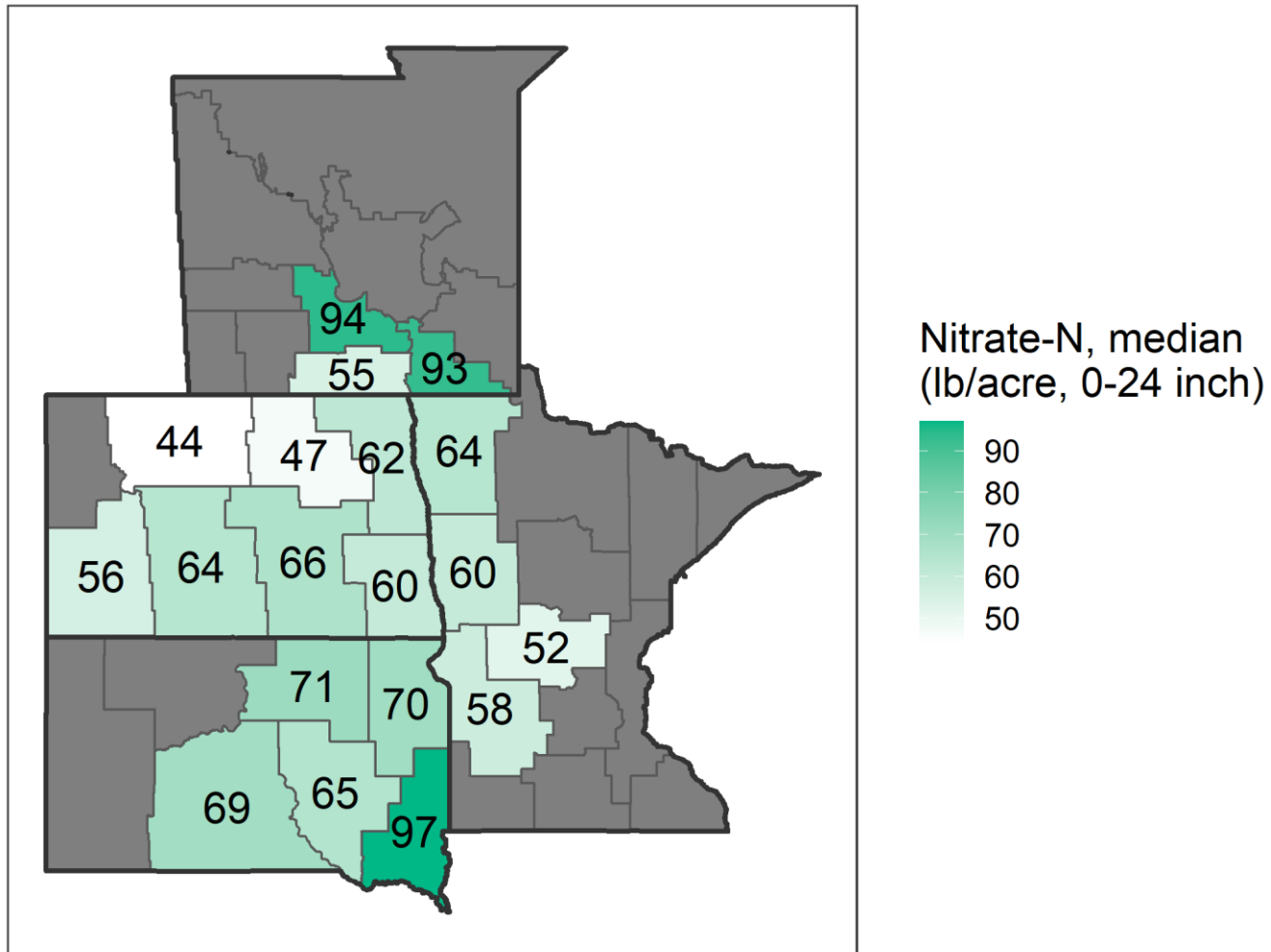
Data not shown where n < 100
AGVISE Laboratories, Inc.

Residual nitrate variability following soybean in 2020 & 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

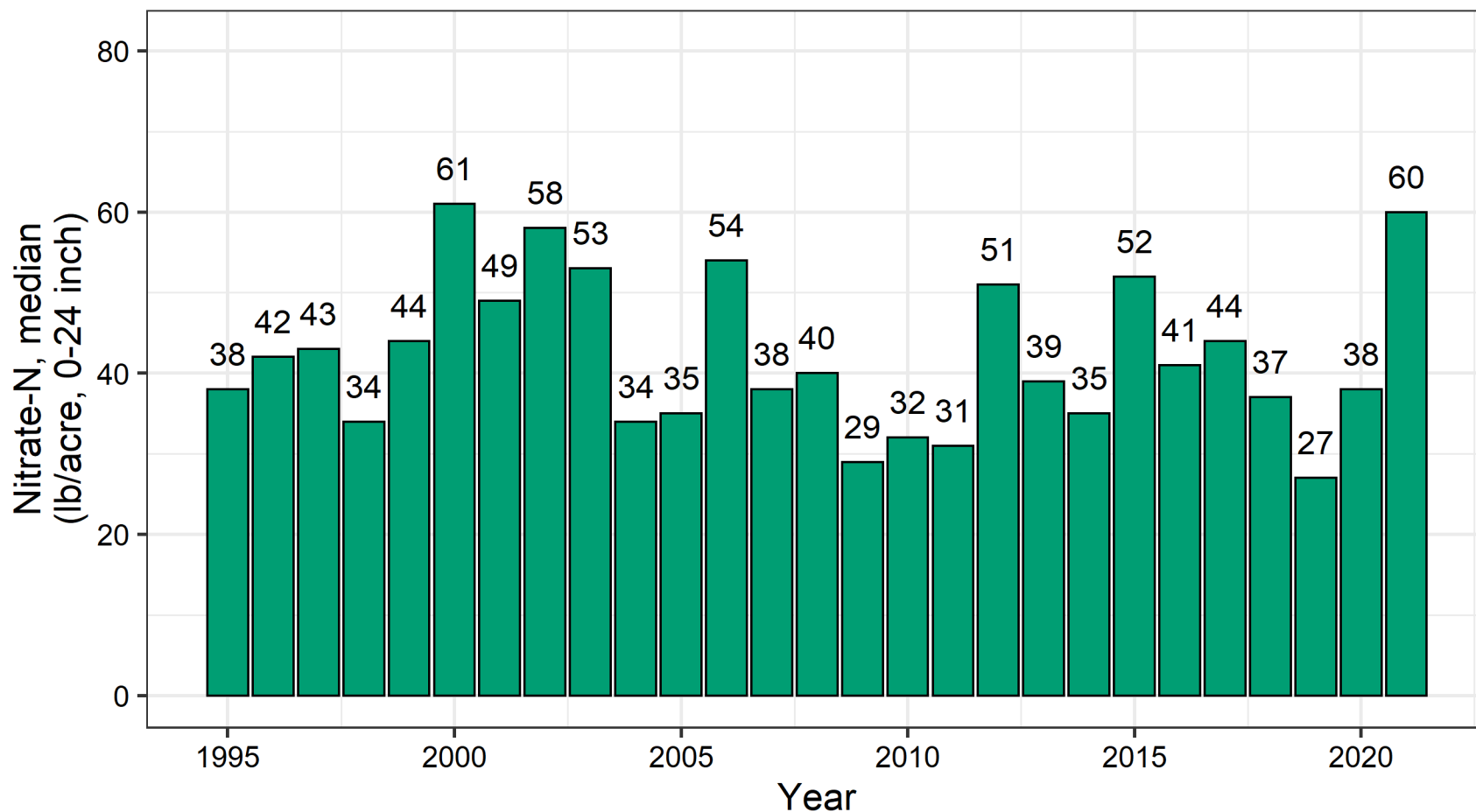
Residual nitrate following corn in 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

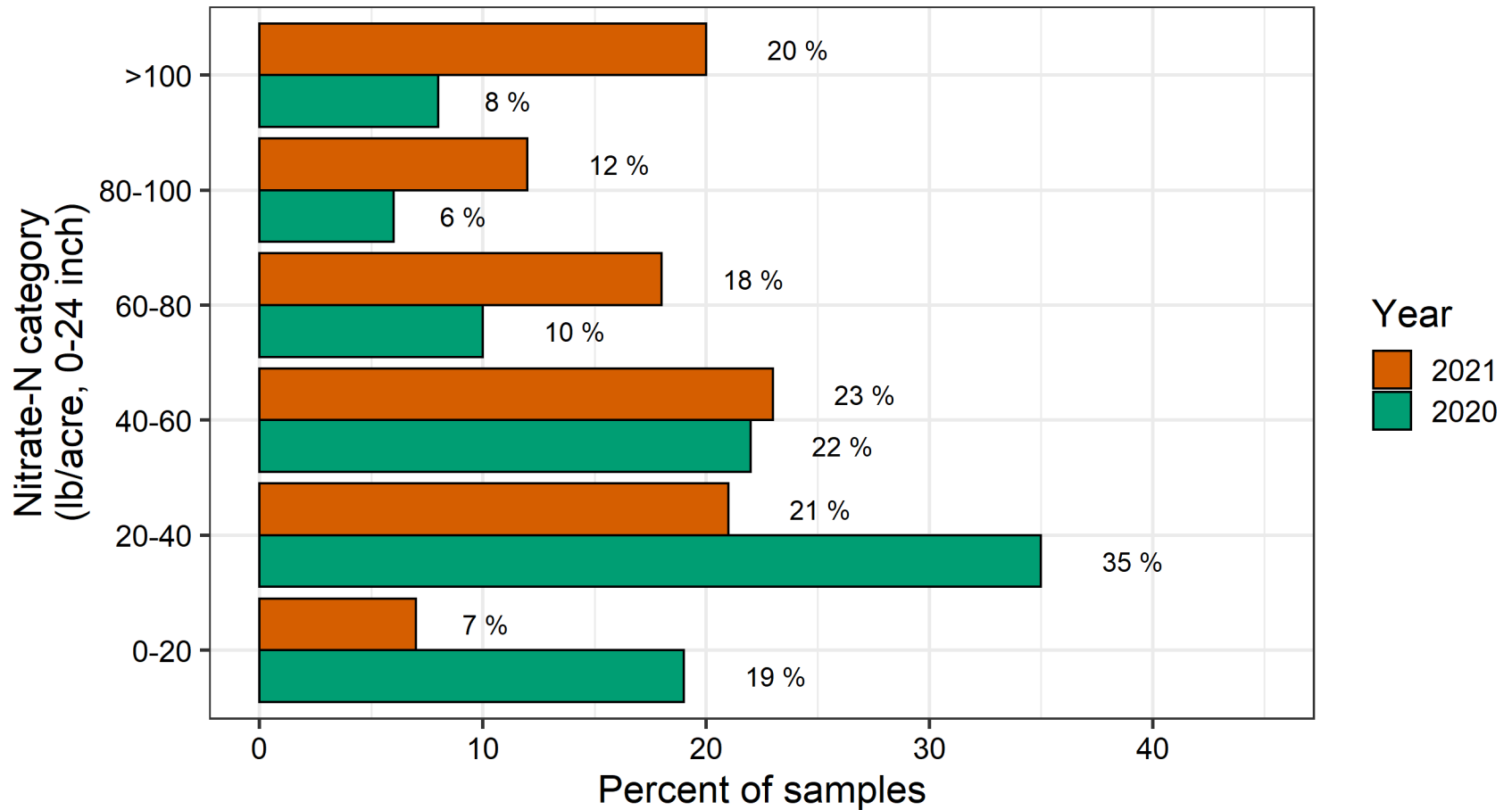
Residual nitrate following corn

Trend from 1995 to 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

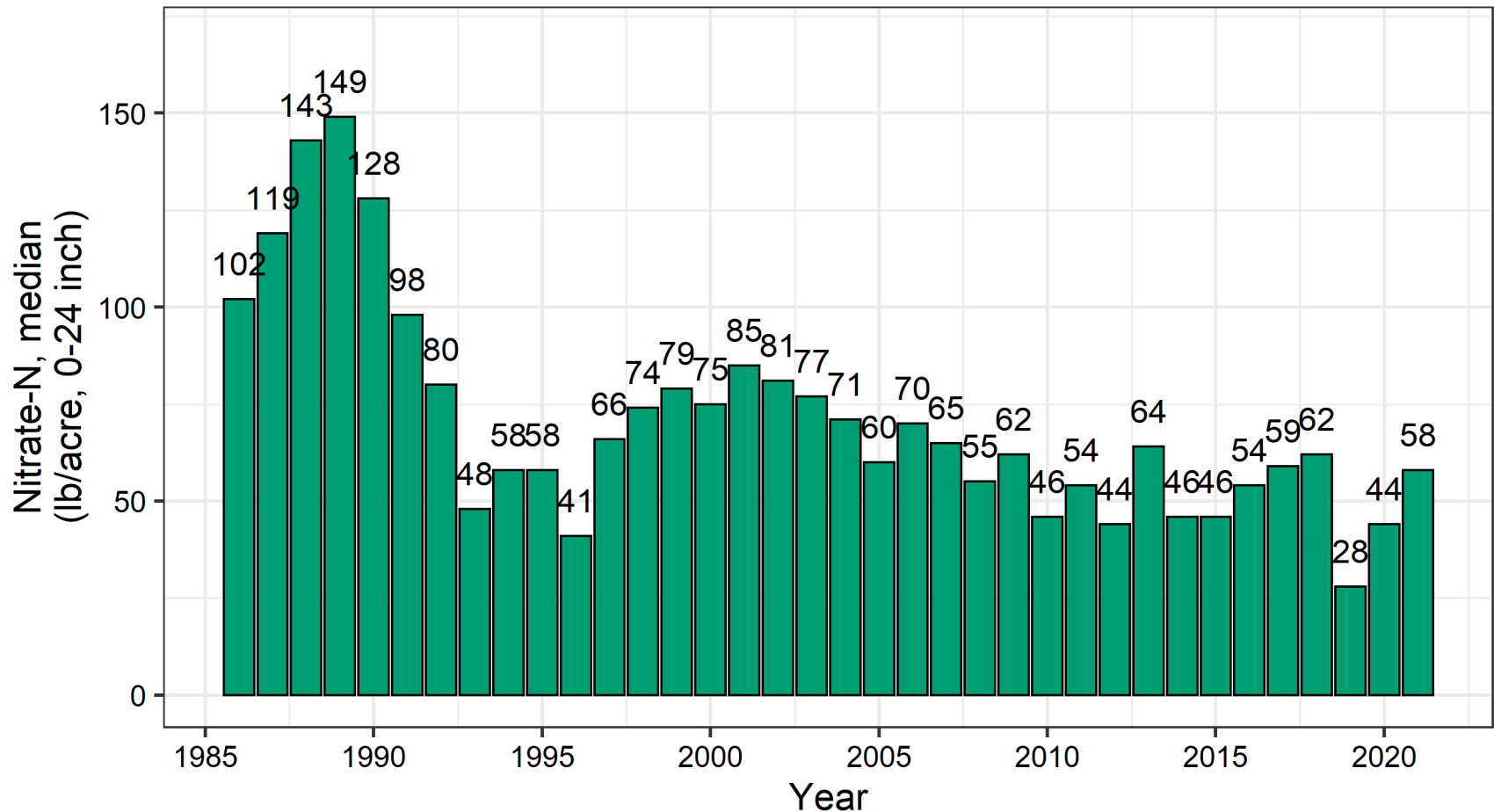
Residual nitrate variability following corn in 2020 & 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

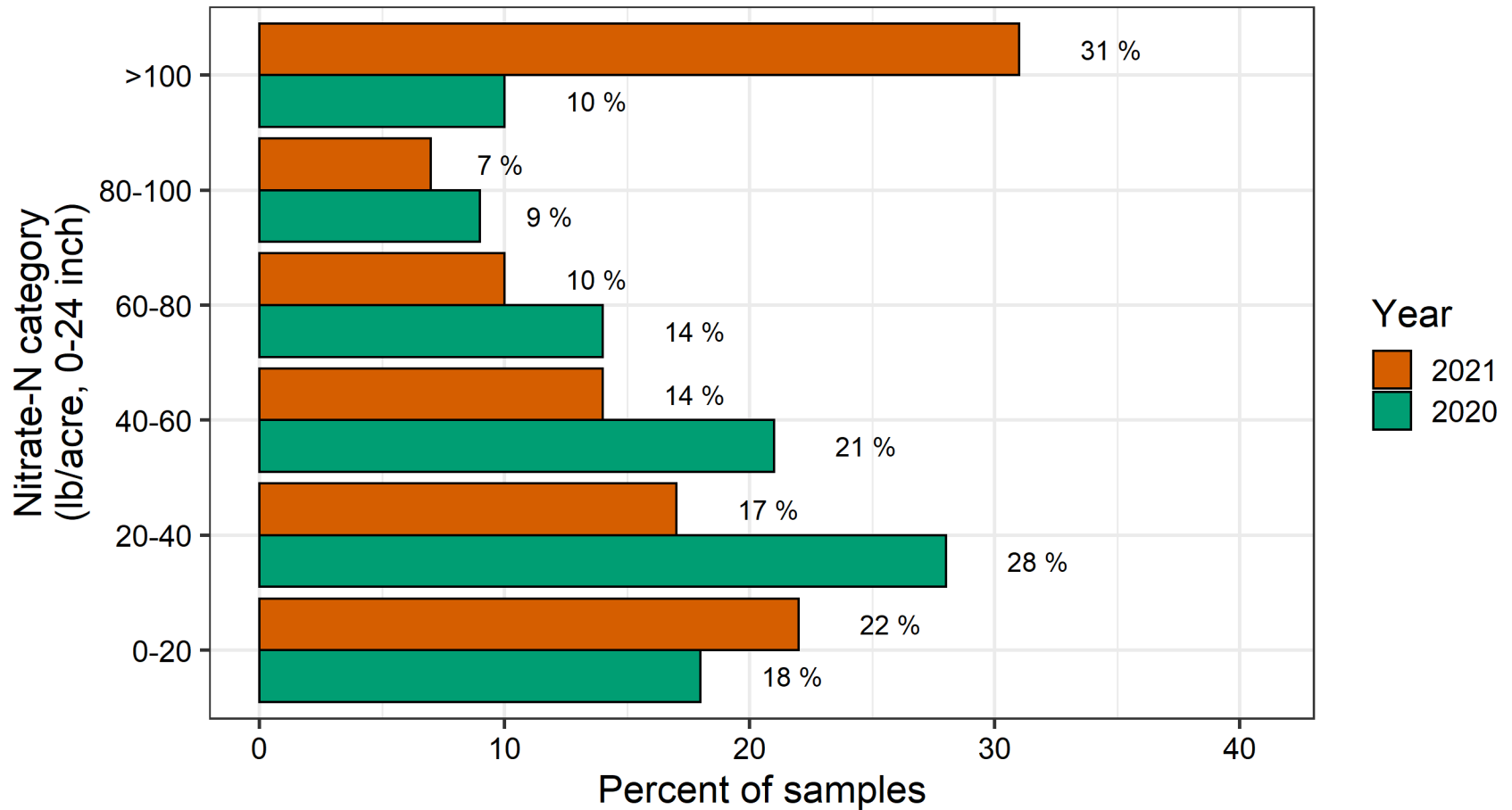
Residual nitrate following fallow

Trend from 1986 to 2021



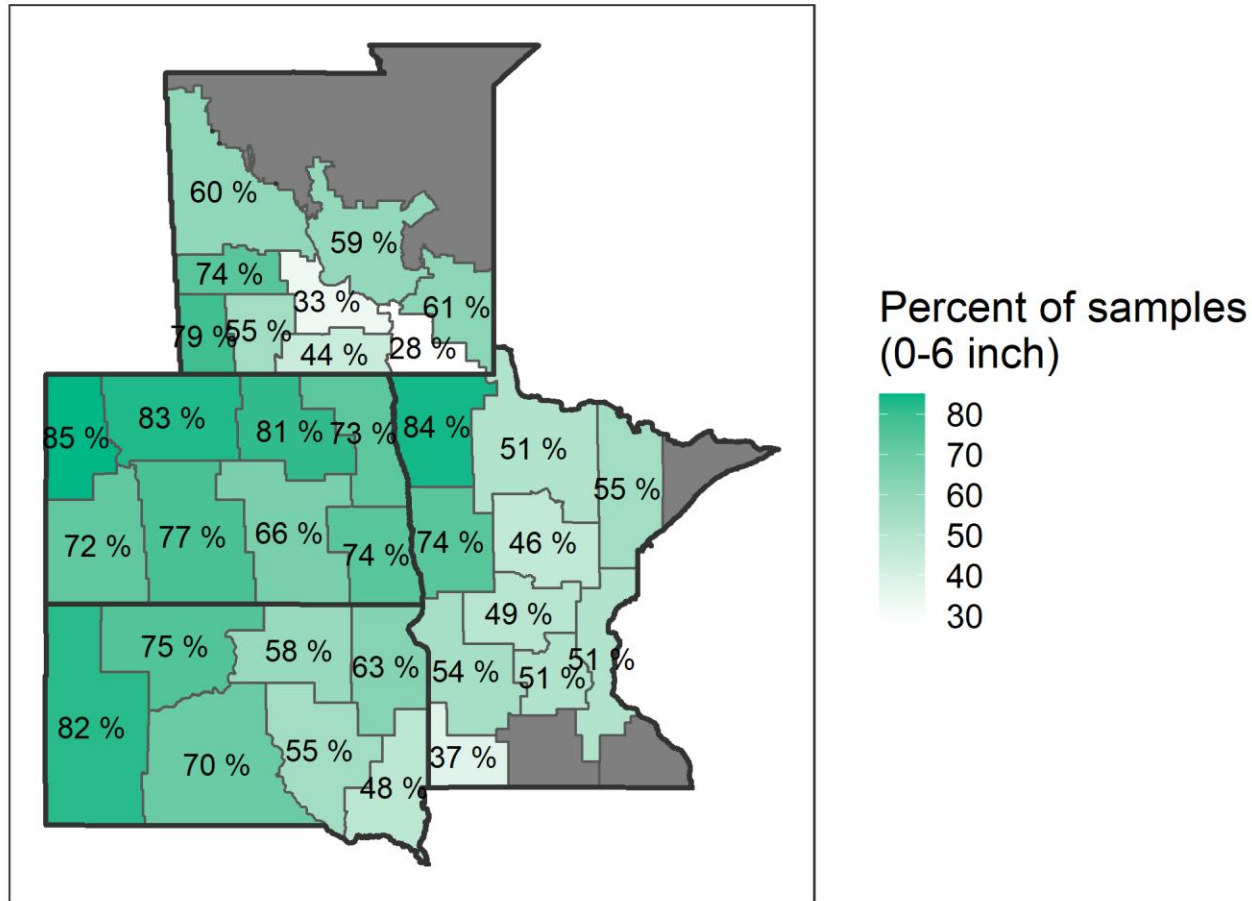
Data not shown where n < 100
AGVISE Laboratories, Inc.

Residual nitrate variability following fallow in 2020 & 2021



Data not shown where n < 100
AGVISE Laboratories, Inc.

Soil samples with soil test phosphorus below 15 ppm (Olsen P) in 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

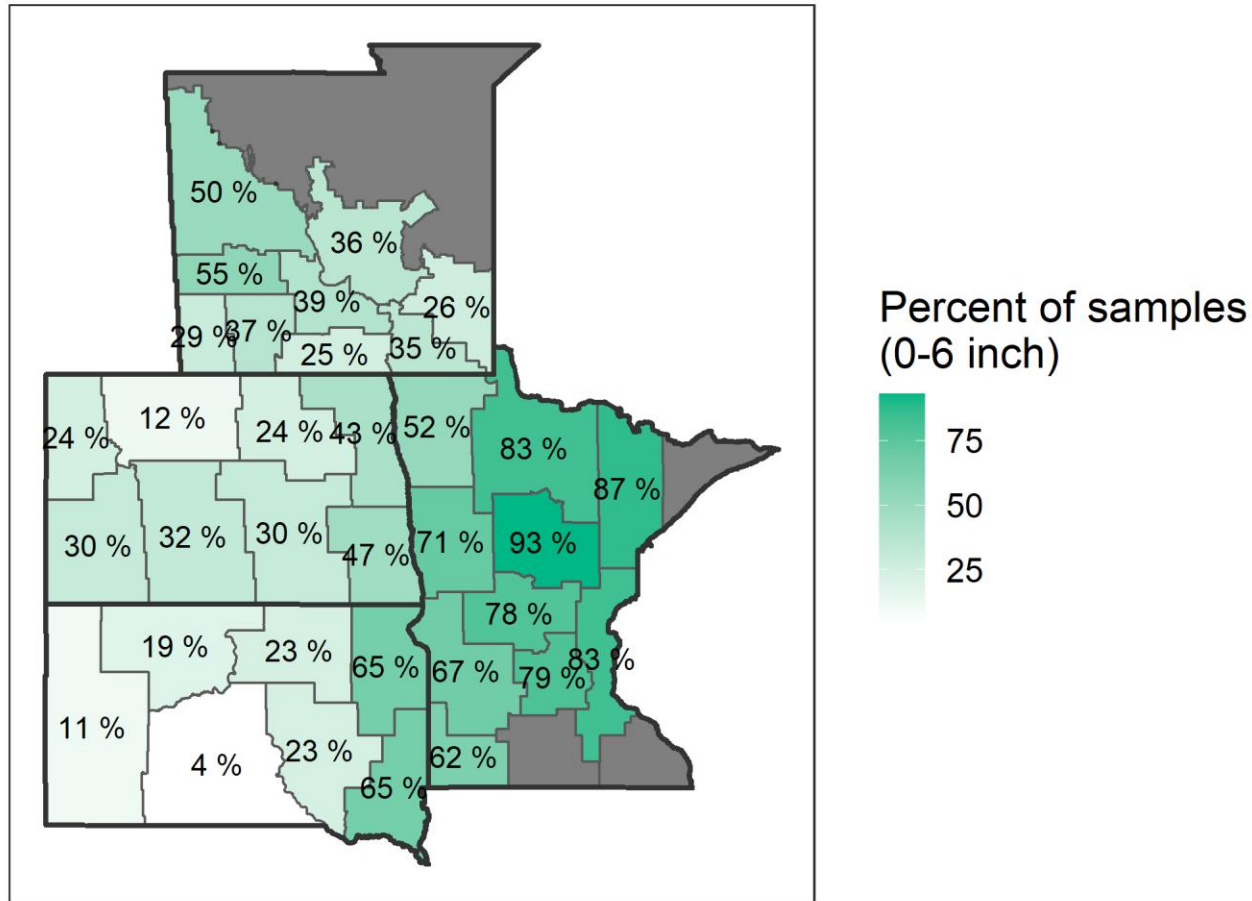
Map of Minnesota showing the percentage of the population in each county that is 65 years of age and older. The map uses a color scale from light green (low percentage) to dark green (high percentage). Percentages range from 1% to 79%.

County	Percentage
Becker	26%
Beltrami	22%
Benton	36%
Burns	22%
Cass	10%
Chippewa	14%
Clearwater	12%
Crow	26%
Dakota	5%
Deer Lake	3%
Dodge	6%
Douglas	19%
Faribault	40%
Fillmore	63%
Goodhue	78%
Hennepin	11%
Houston	8%
Isanti	9%
Itasca	24%
Jackson	48%
Kandiyohi	79%
Lac qui Parle	49%
Lake	32%
Lake of the Woods	32%
Lyon	52%
Martin	59%
Mille Lacs	25%
Murray	32%
Nobles	3%
Notre Dame	1%
Pennington	6%



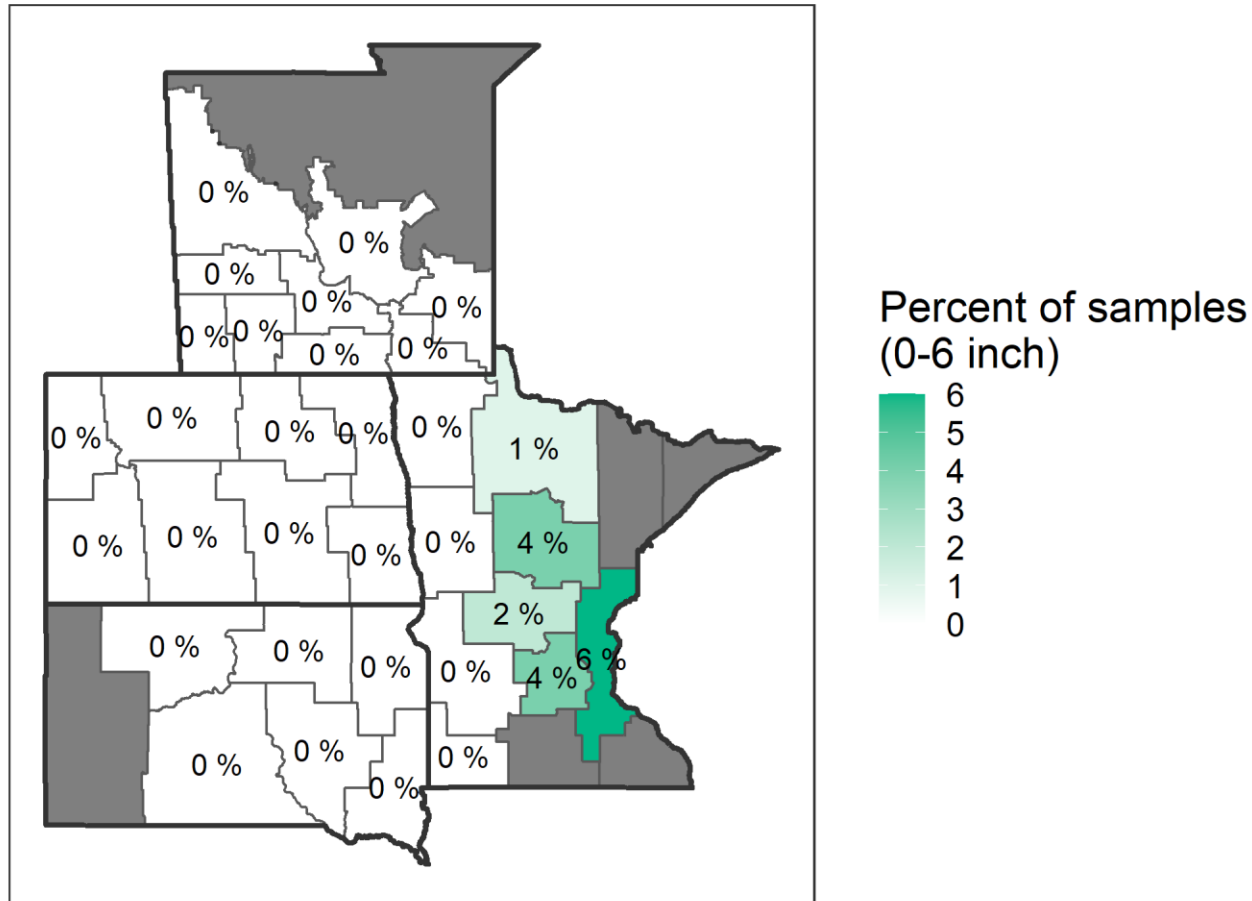
AGVISE
LABORATORIES

Soil samples with soil test potassium below 200 ppm in 2021



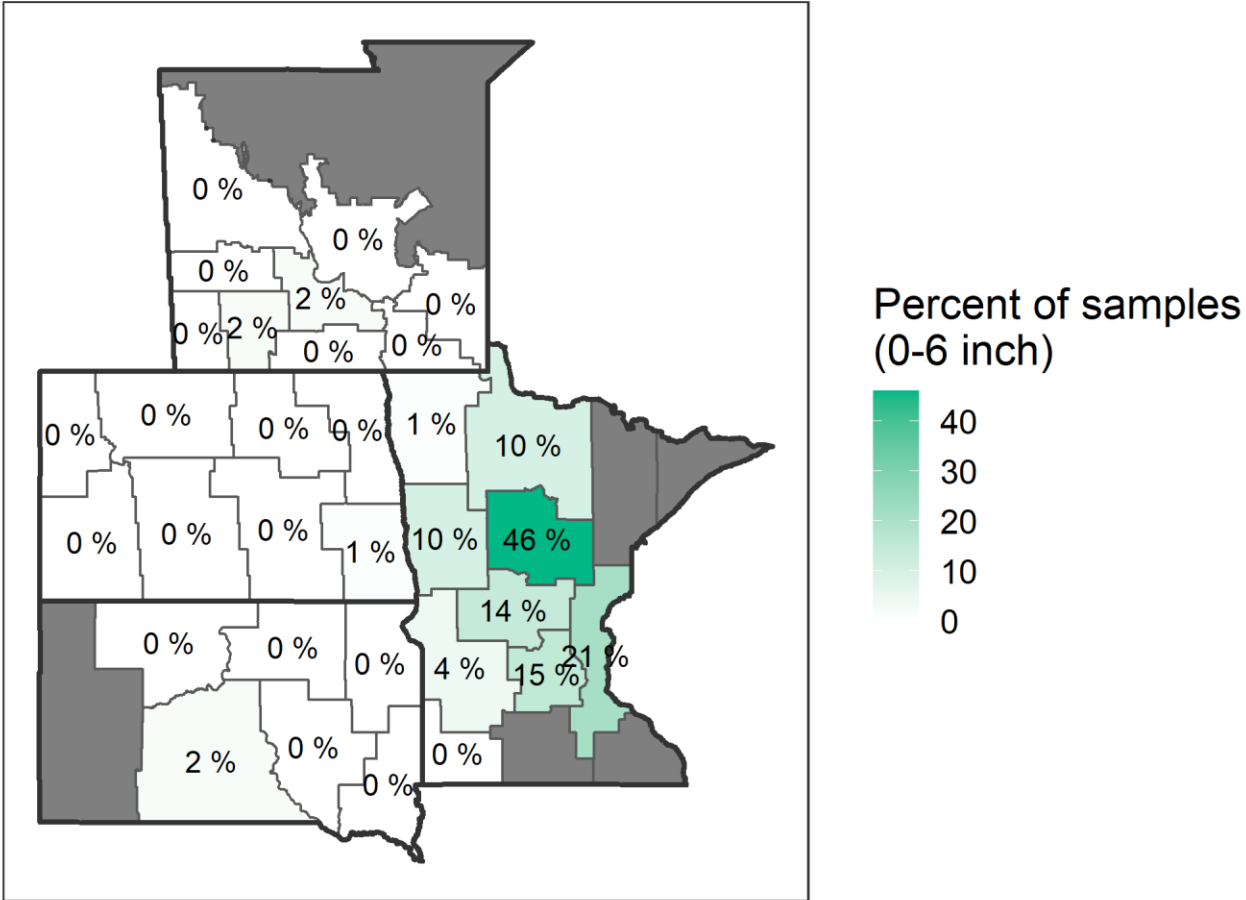
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with soil test calcium below 500 ppm in 2021



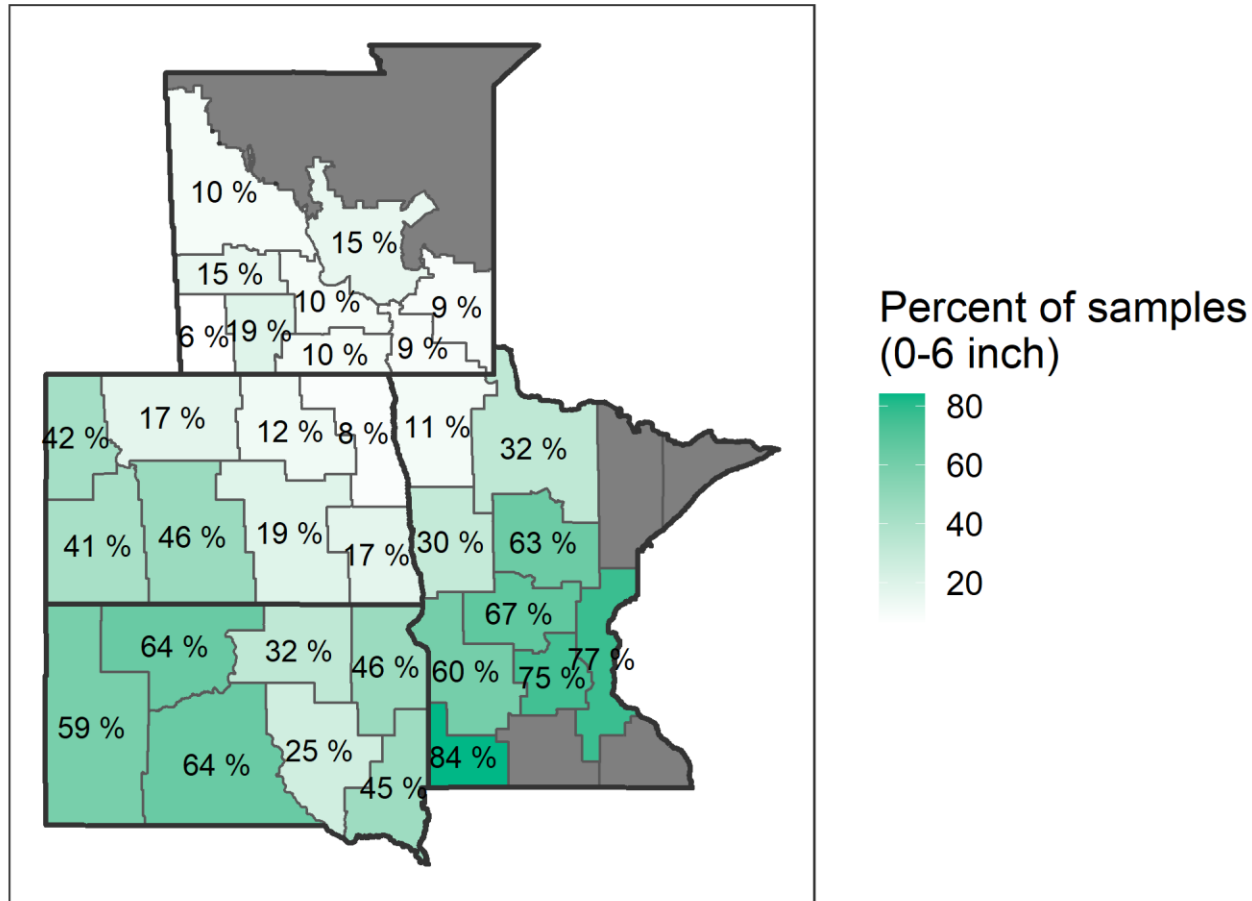
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test magnesium below 150 ppm in 2021



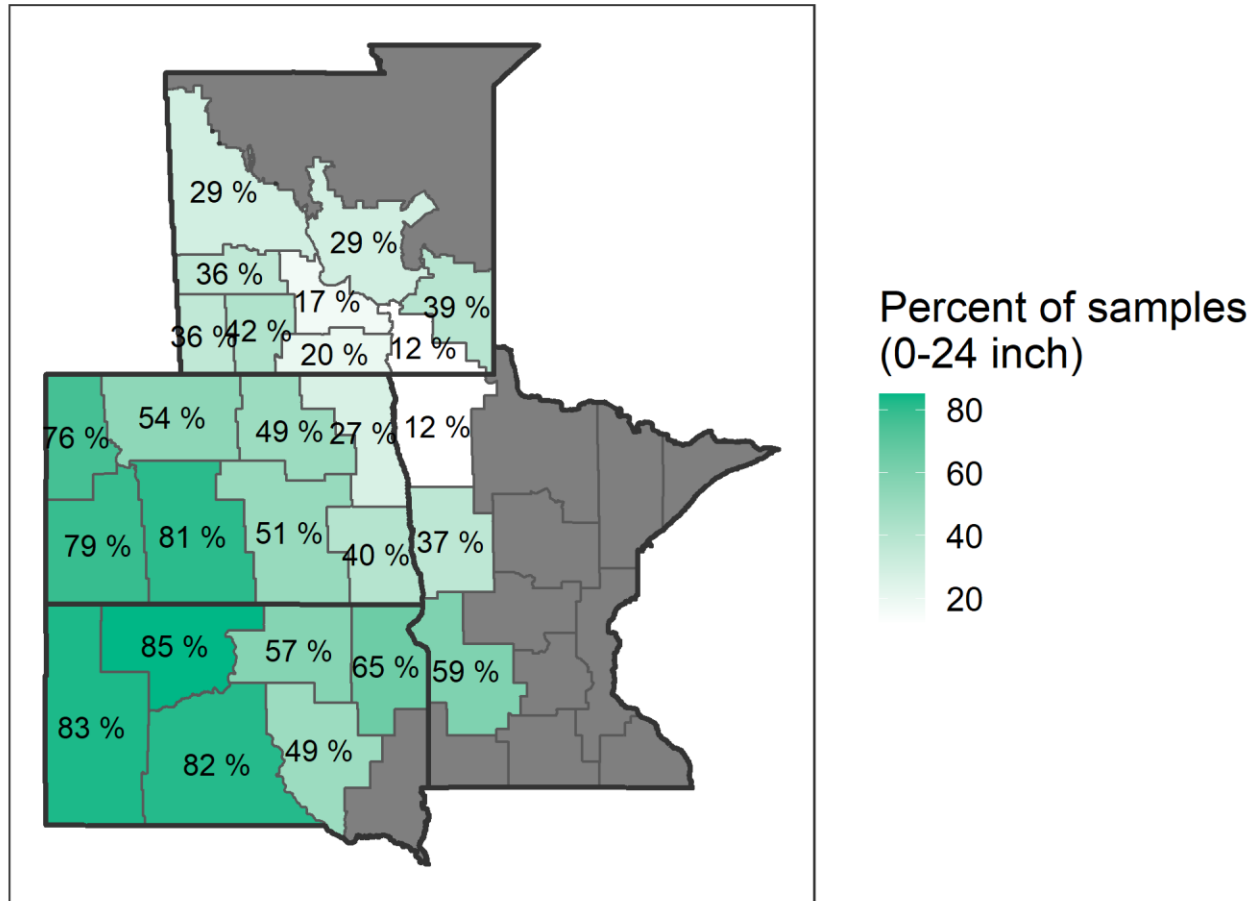
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test sulfur below 15 lb/acre in 2021



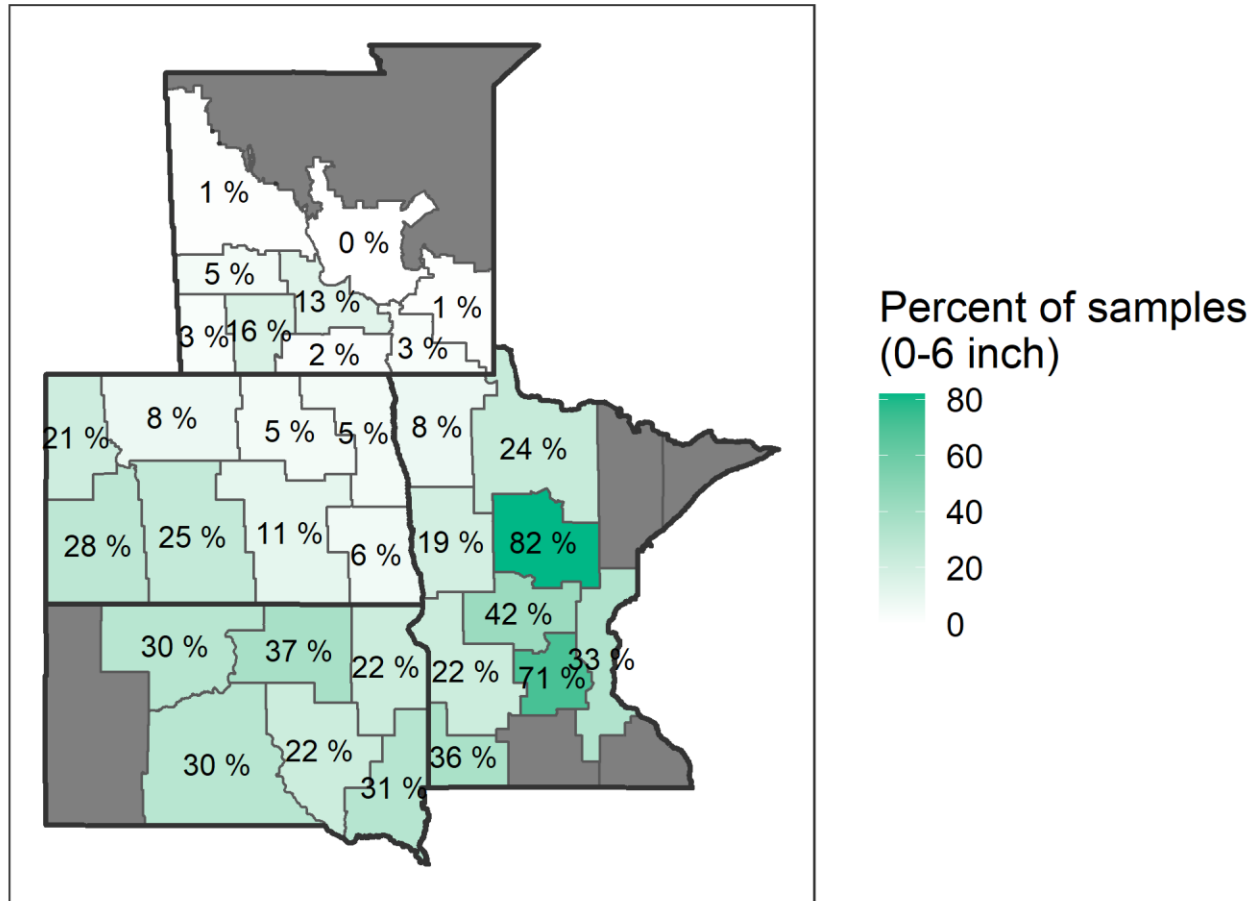
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with soil test chloride below 40 lb/acre in 2021



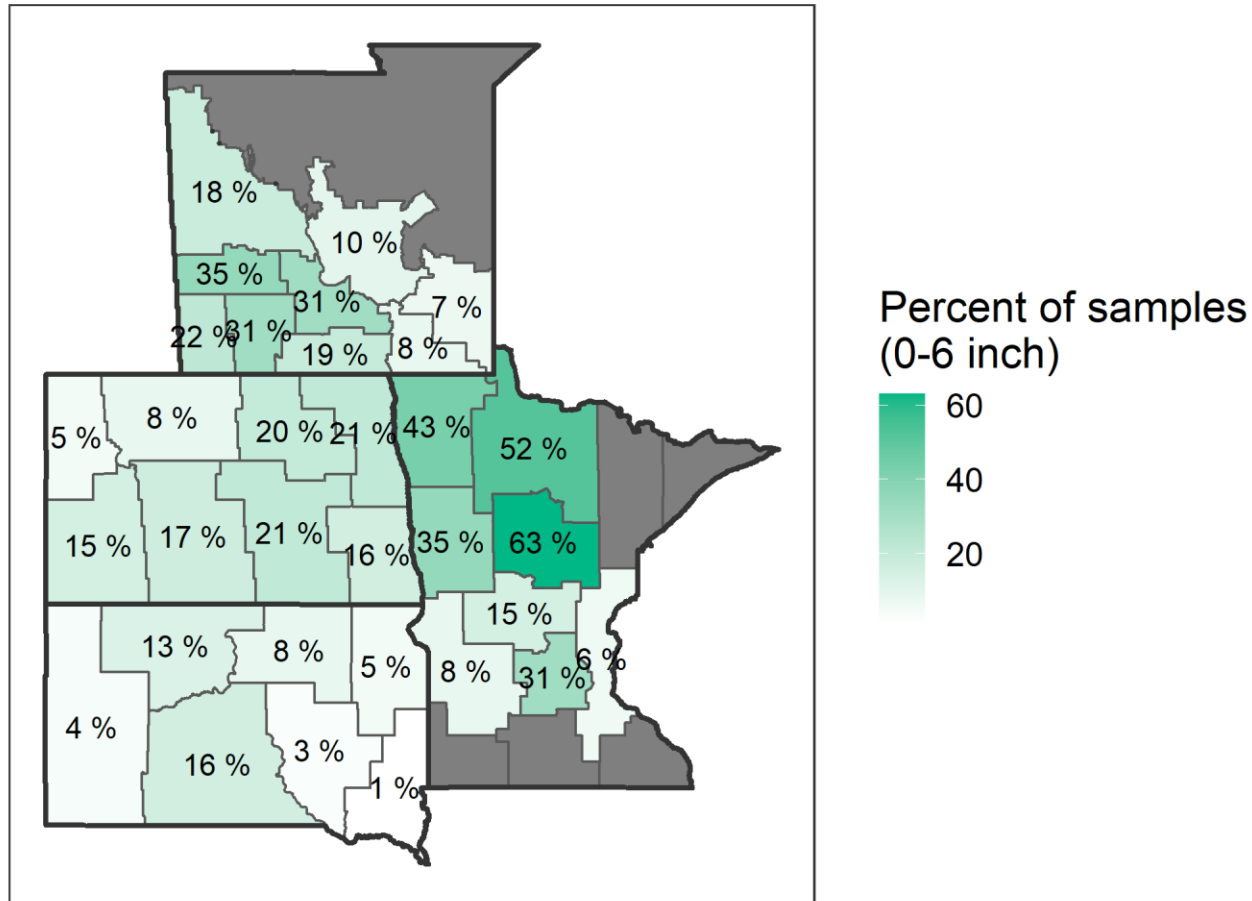
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with soil test boron below 0.4 ppm in 2021



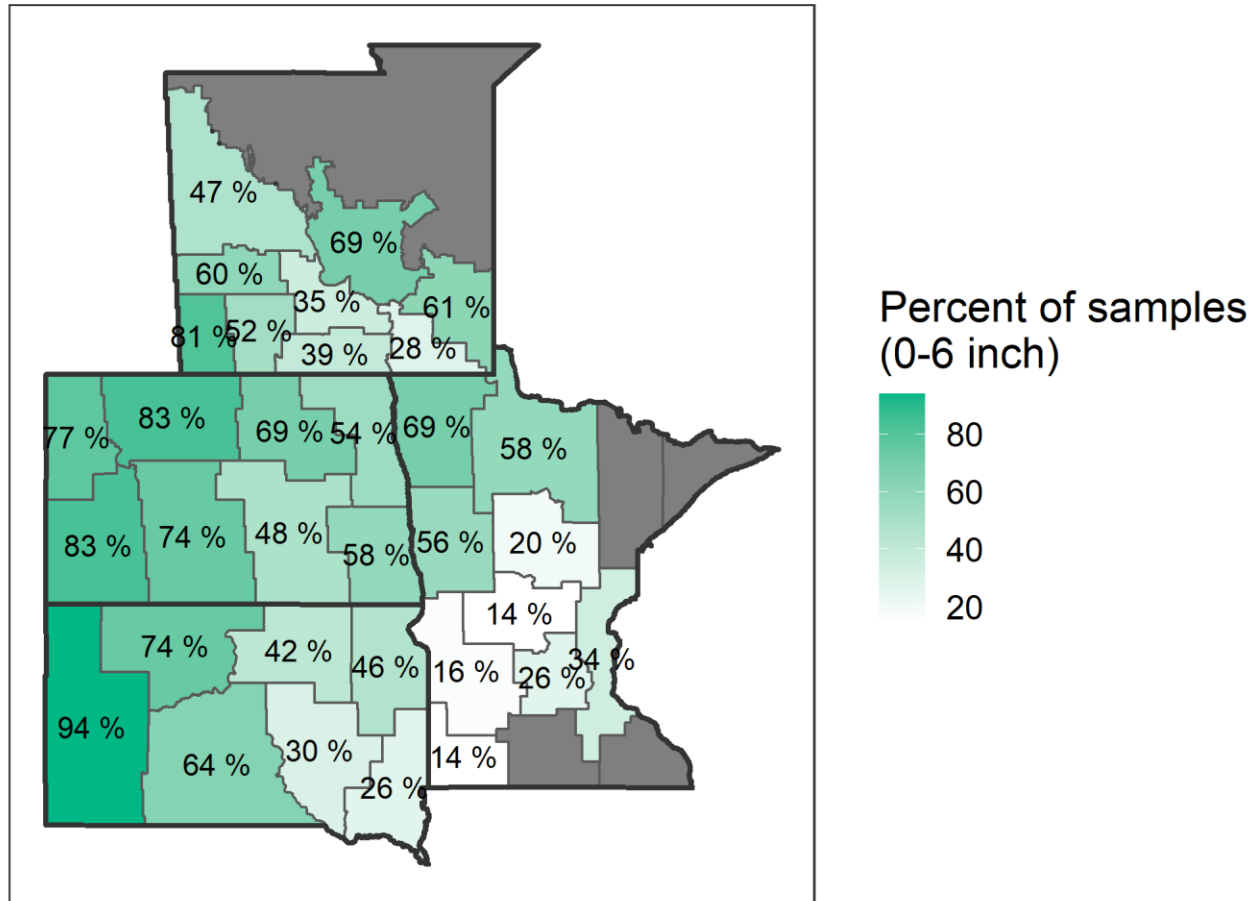
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with soil test copper below 0.5 ppm in 2021



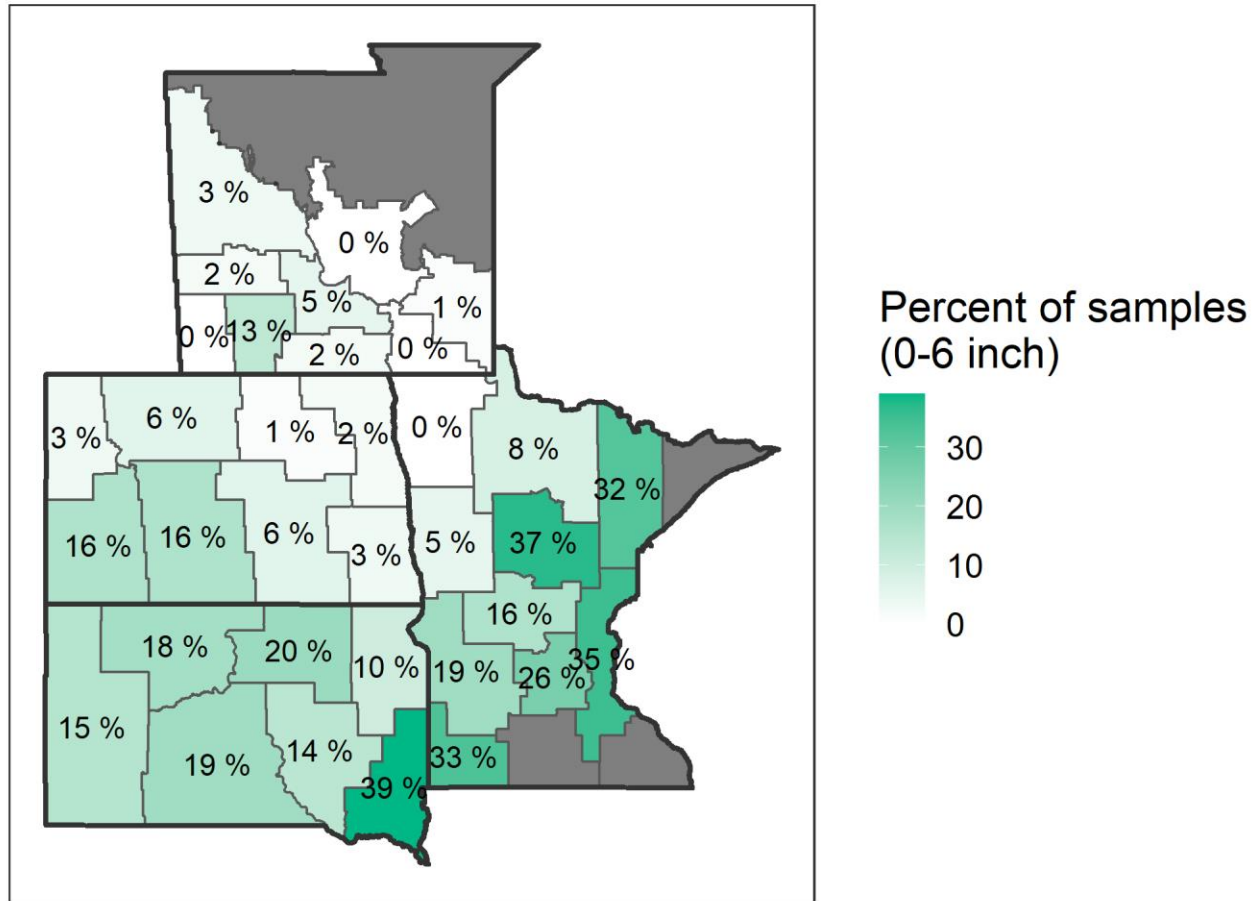
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with soil test zinc below 1.0 ppm in 2021



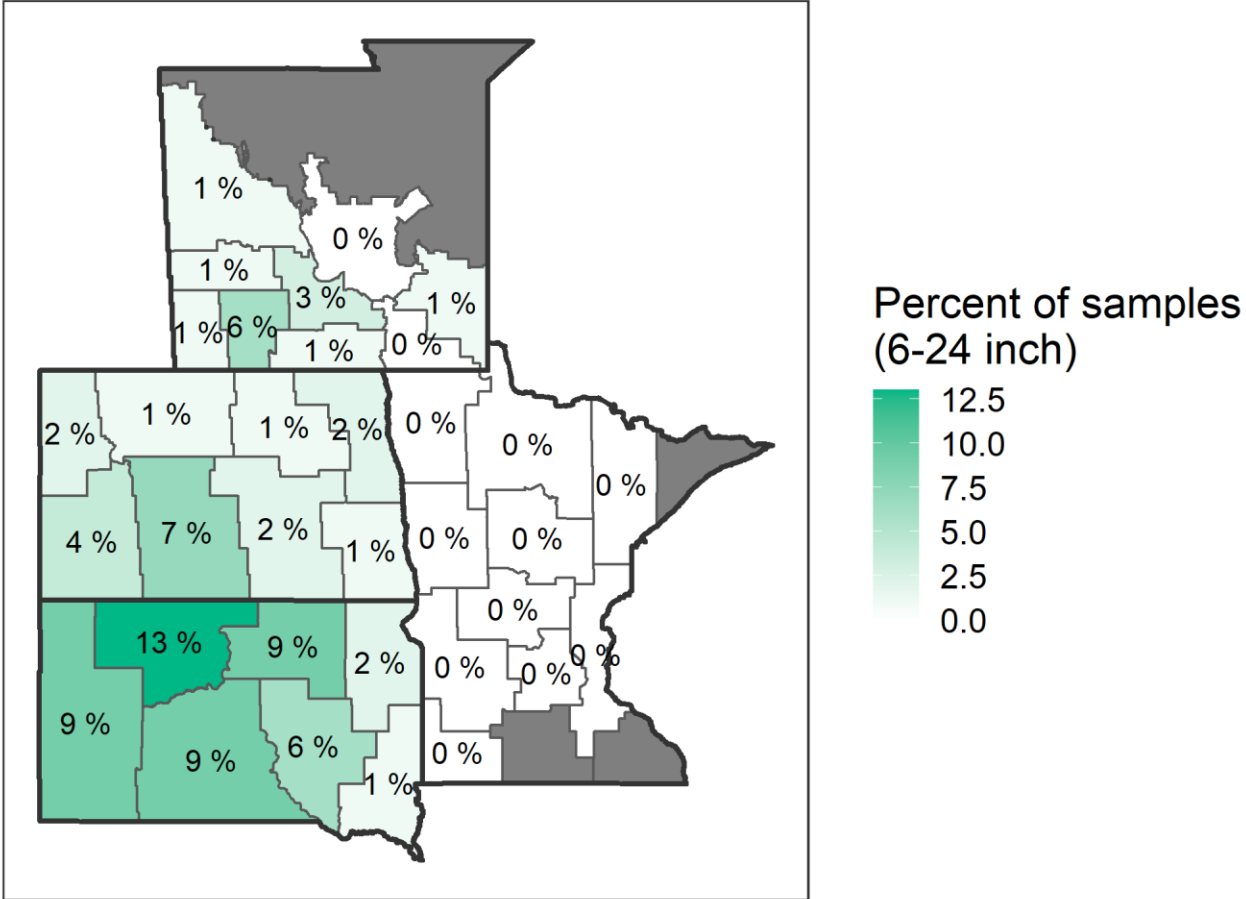
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with soil pH below 6.0 in 2021



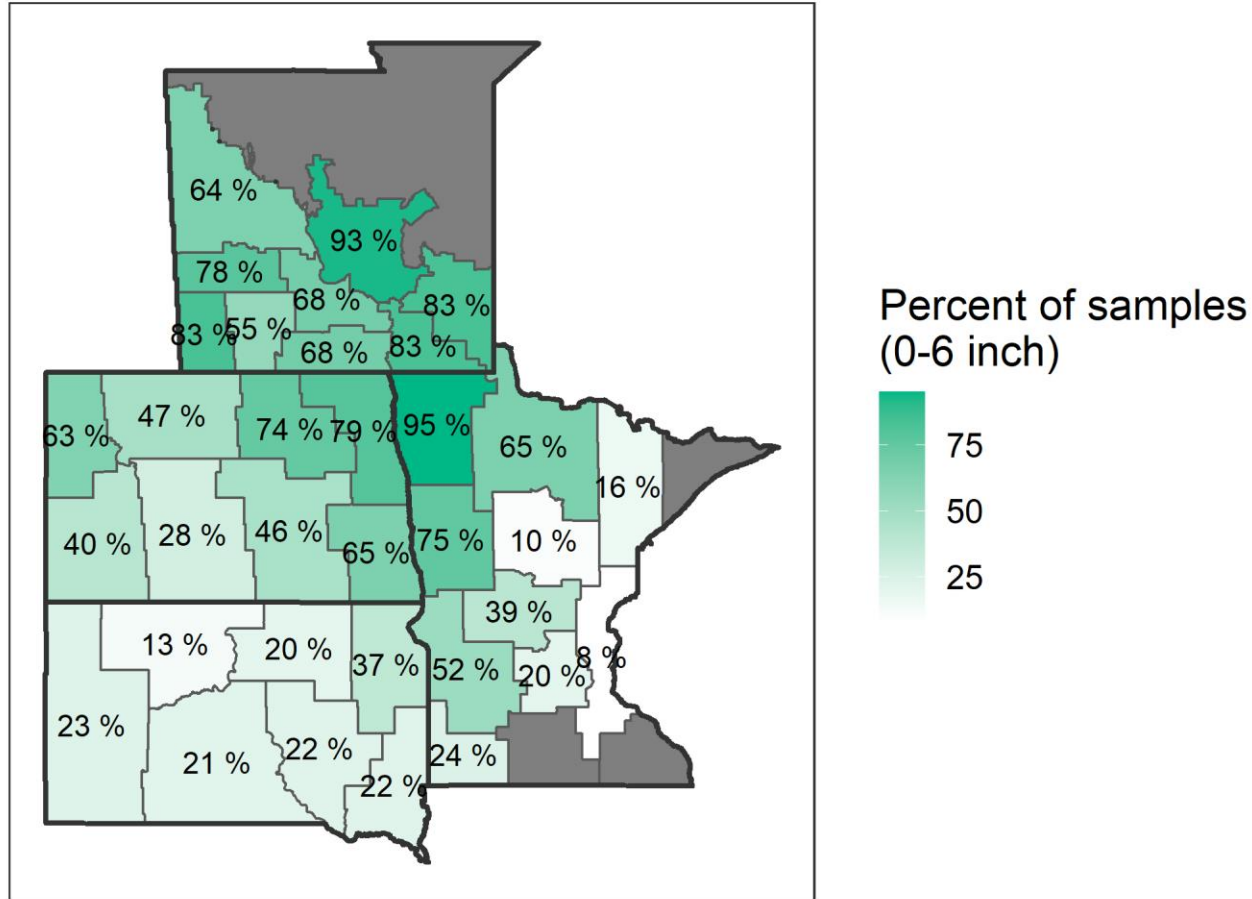
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with subsoil pH below 7.0 in 2021



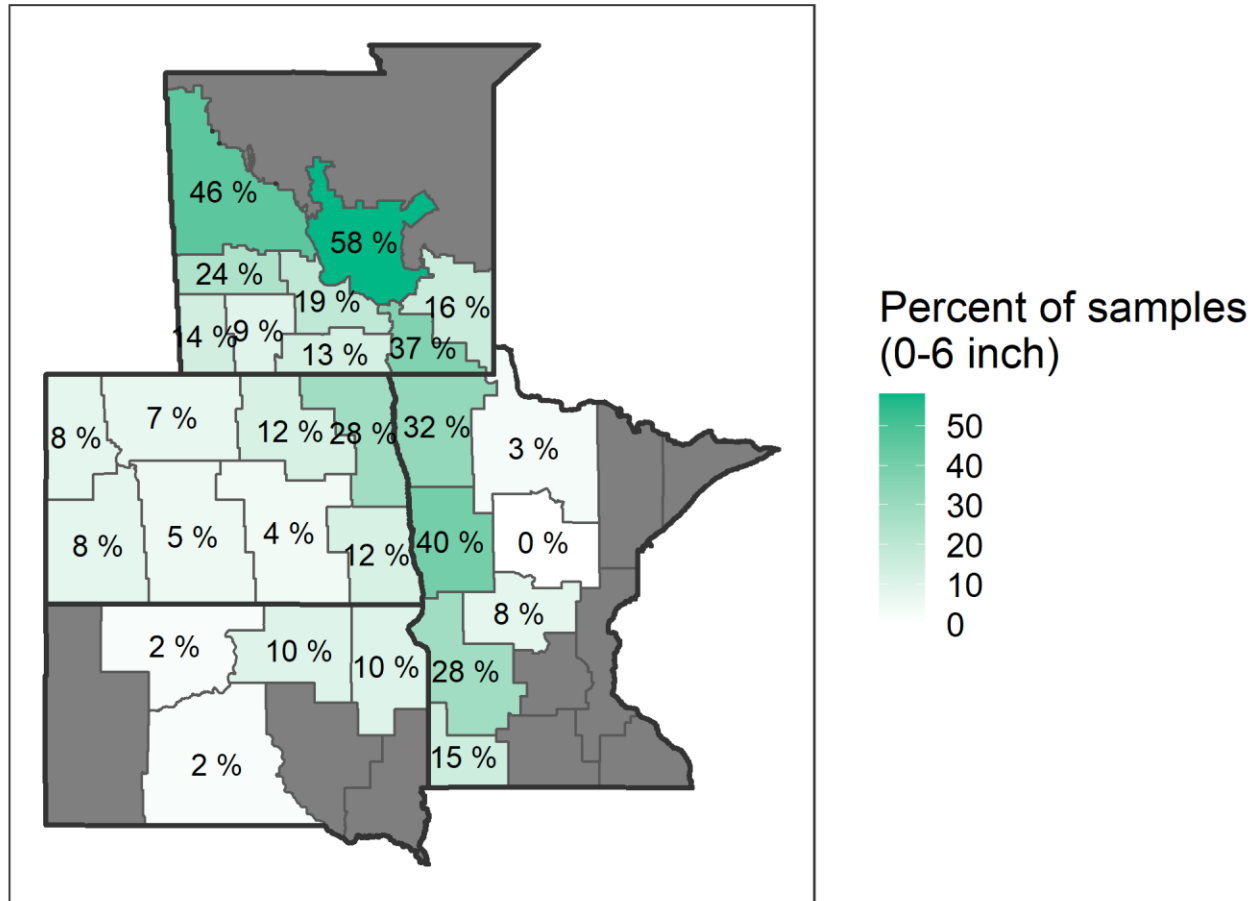
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil pH above 7.3 in 2021



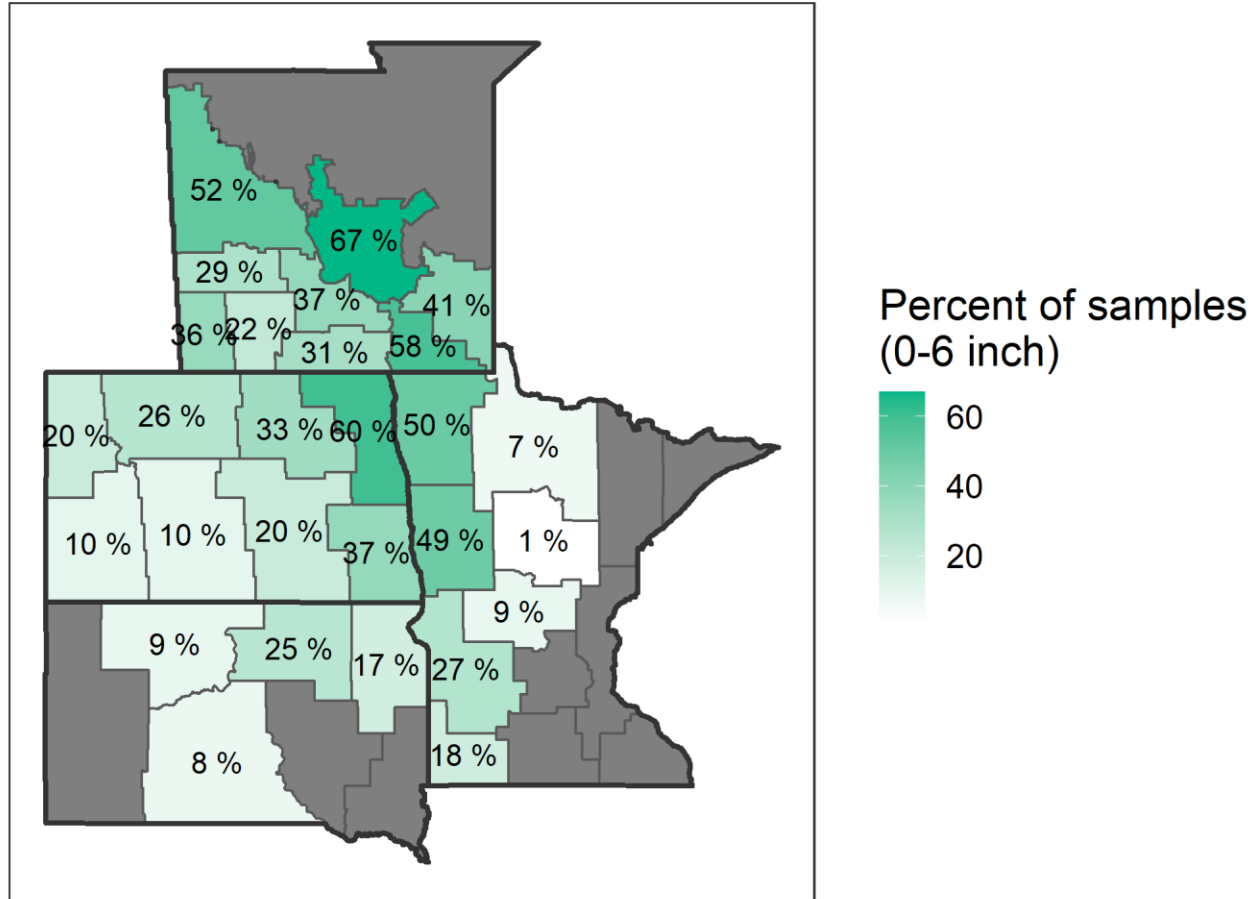
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with calcium carbonate above 5.0 % CCE in 2021



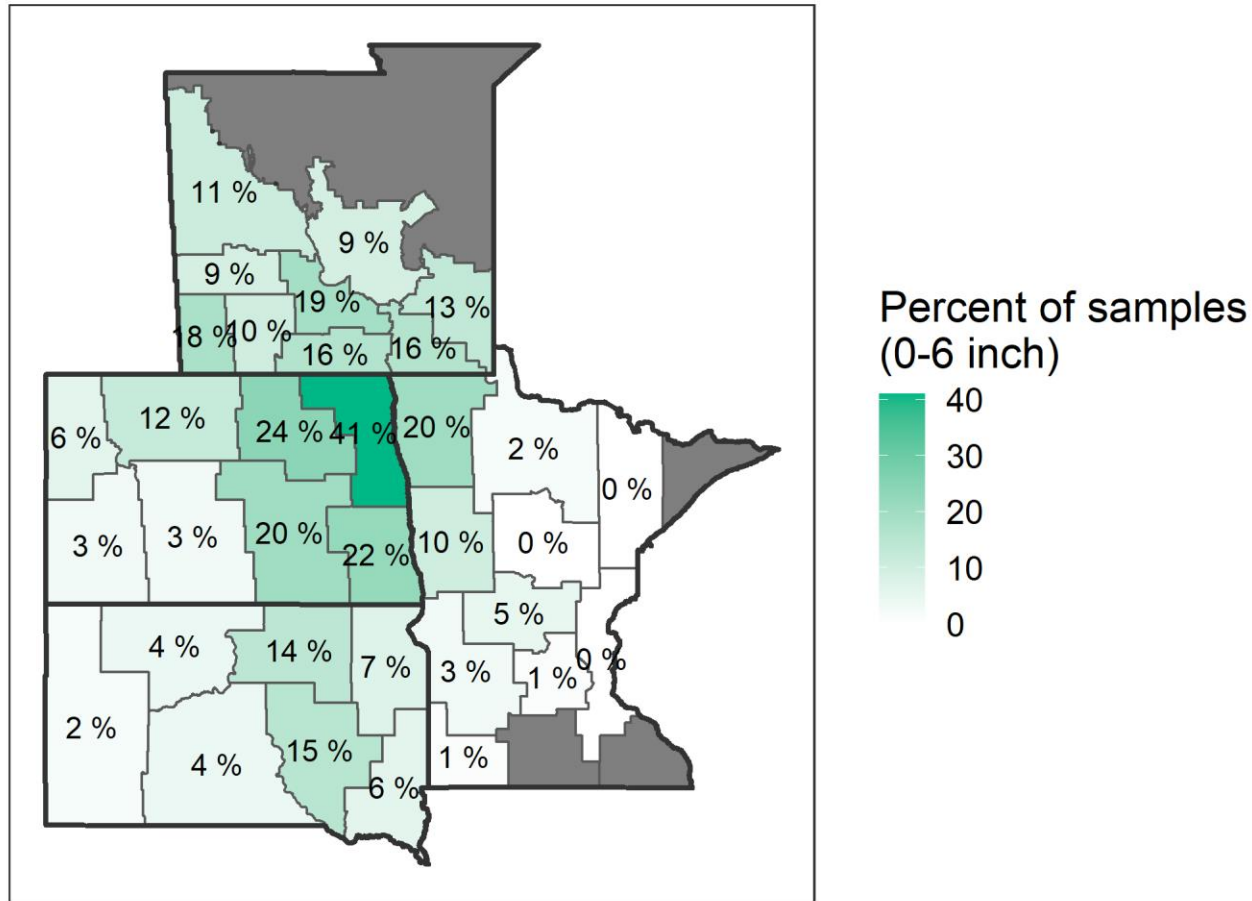
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with high soybean iron deficiency chlorosis risk in 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with salinity above 1.0 dS/m (1:1) in 2021



Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Postal code areas for soil test summary

