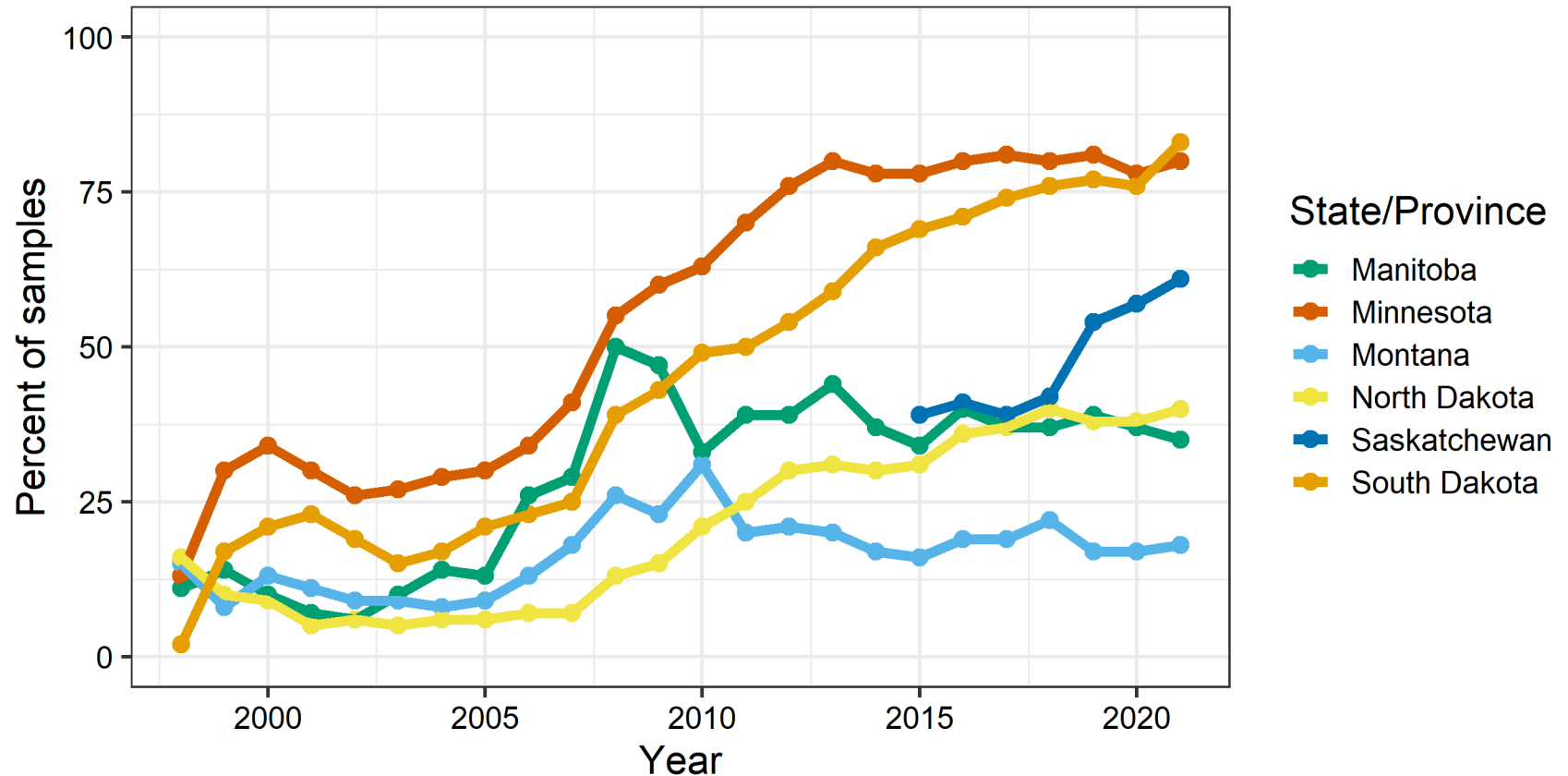


AGVISE Soil Test Summary 2021 Manitoba, Saskatchewan

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

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

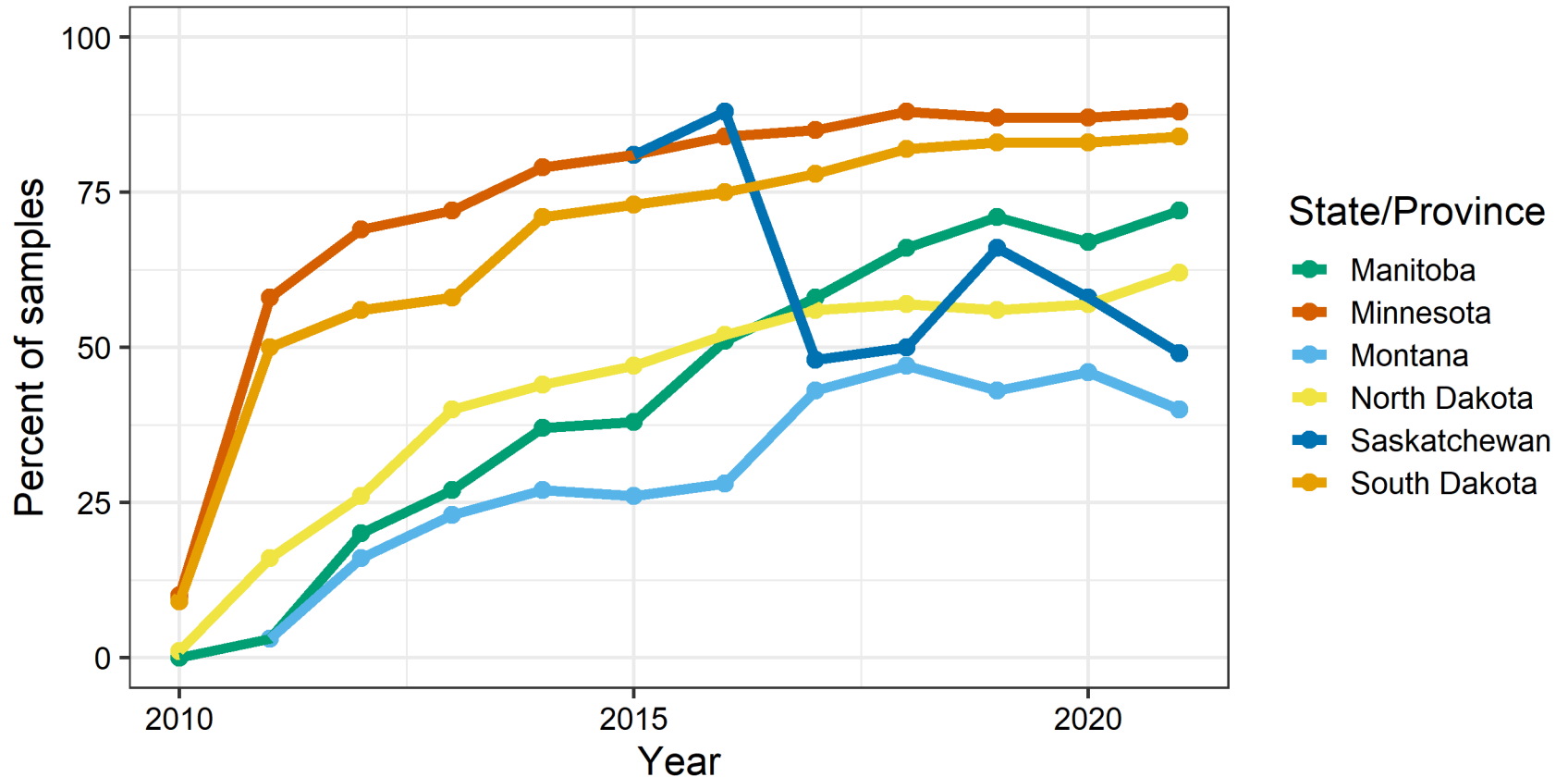
Trend from 1998 to 2021



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

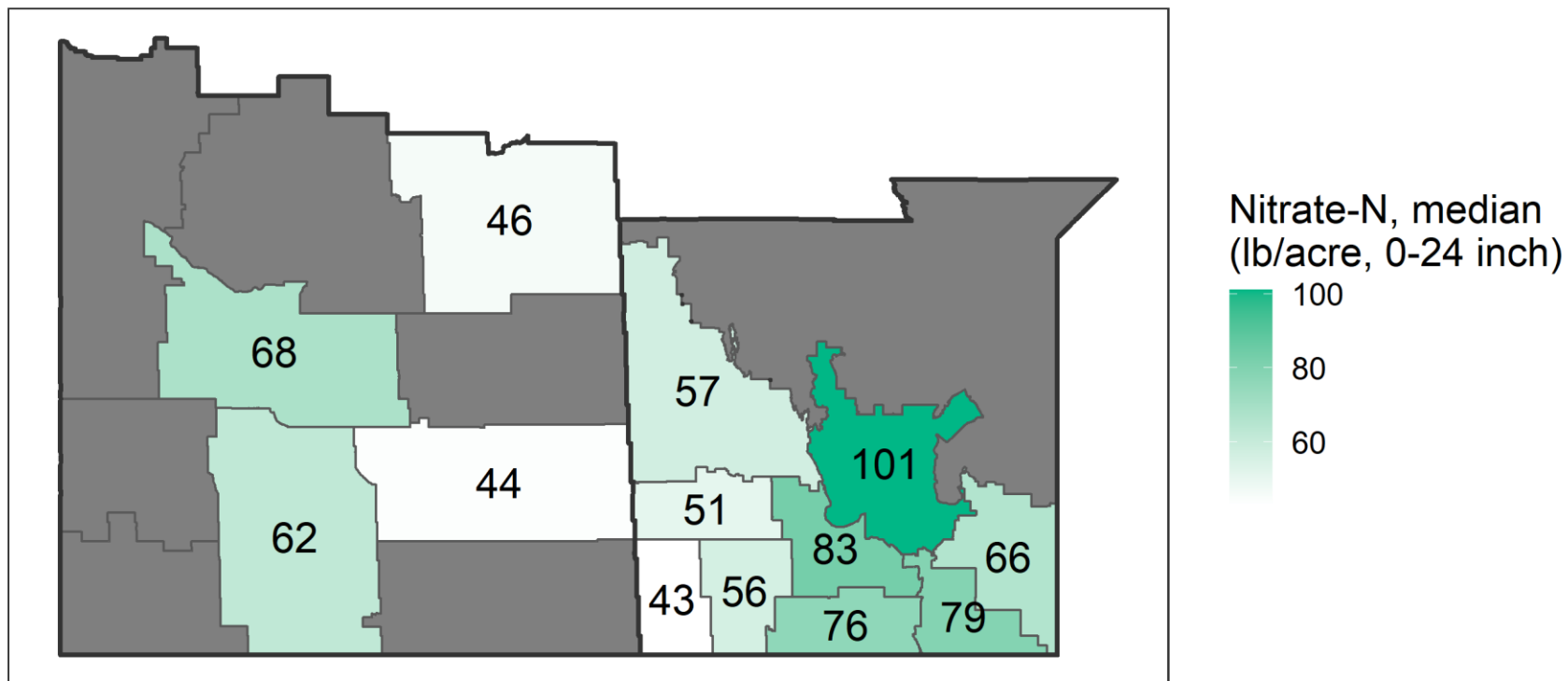
Soil samples submitted using AGVISE Online Submission

Trend from 2010 to 2021



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

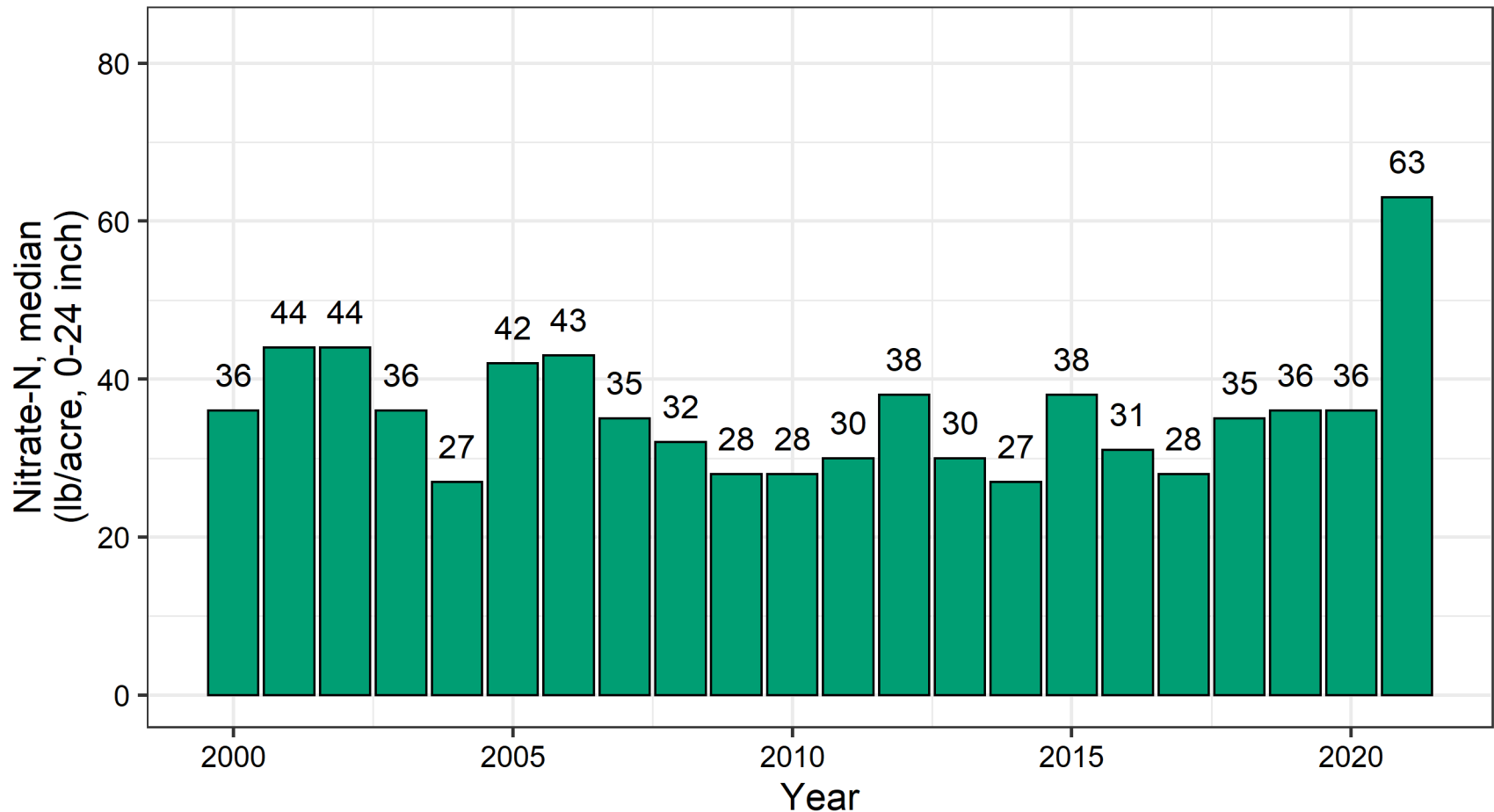
Residual nitrate following wheat in 2021



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

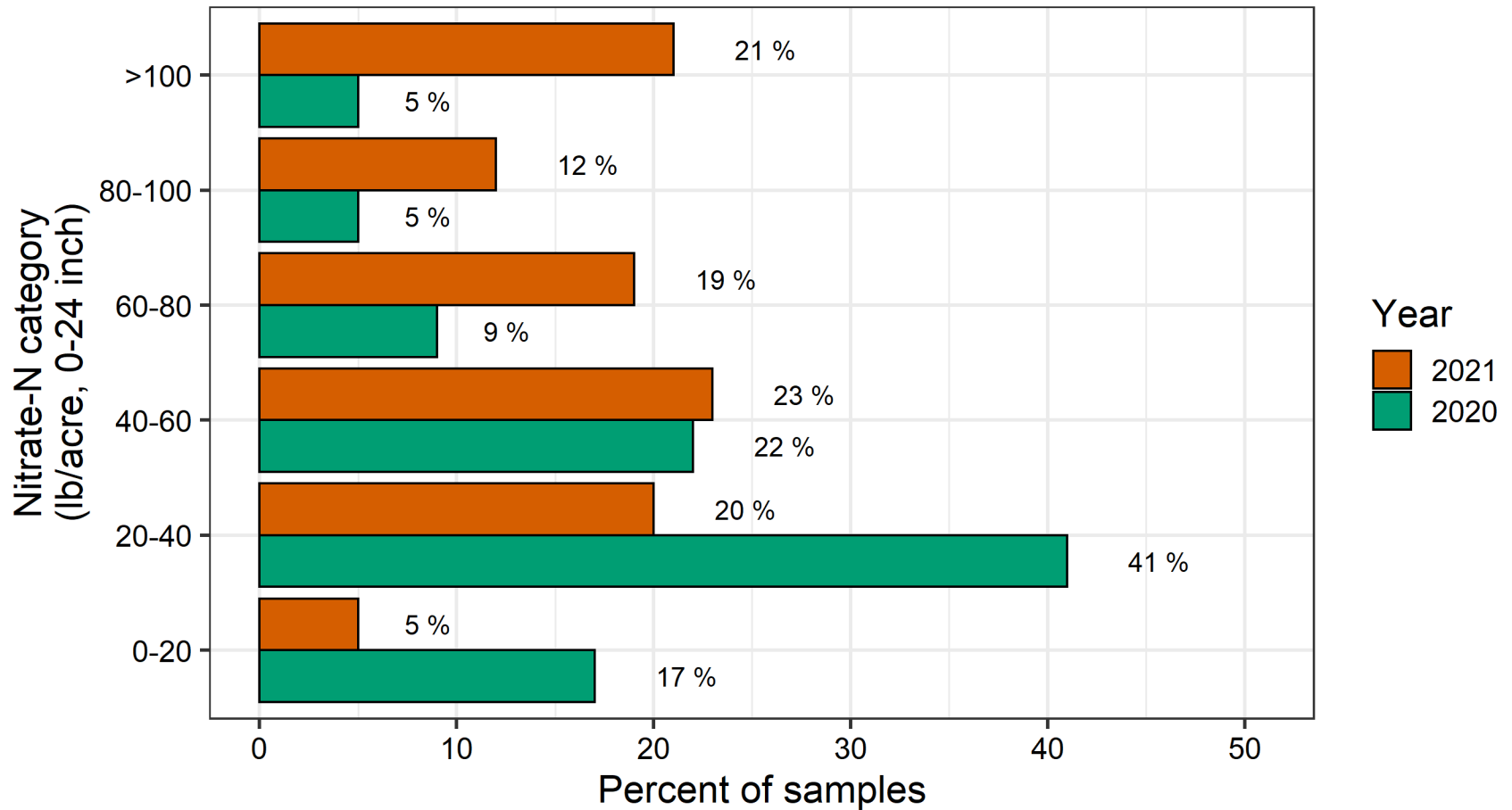
Residual nitrate following wheat

Trend from 2000 to 2021



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

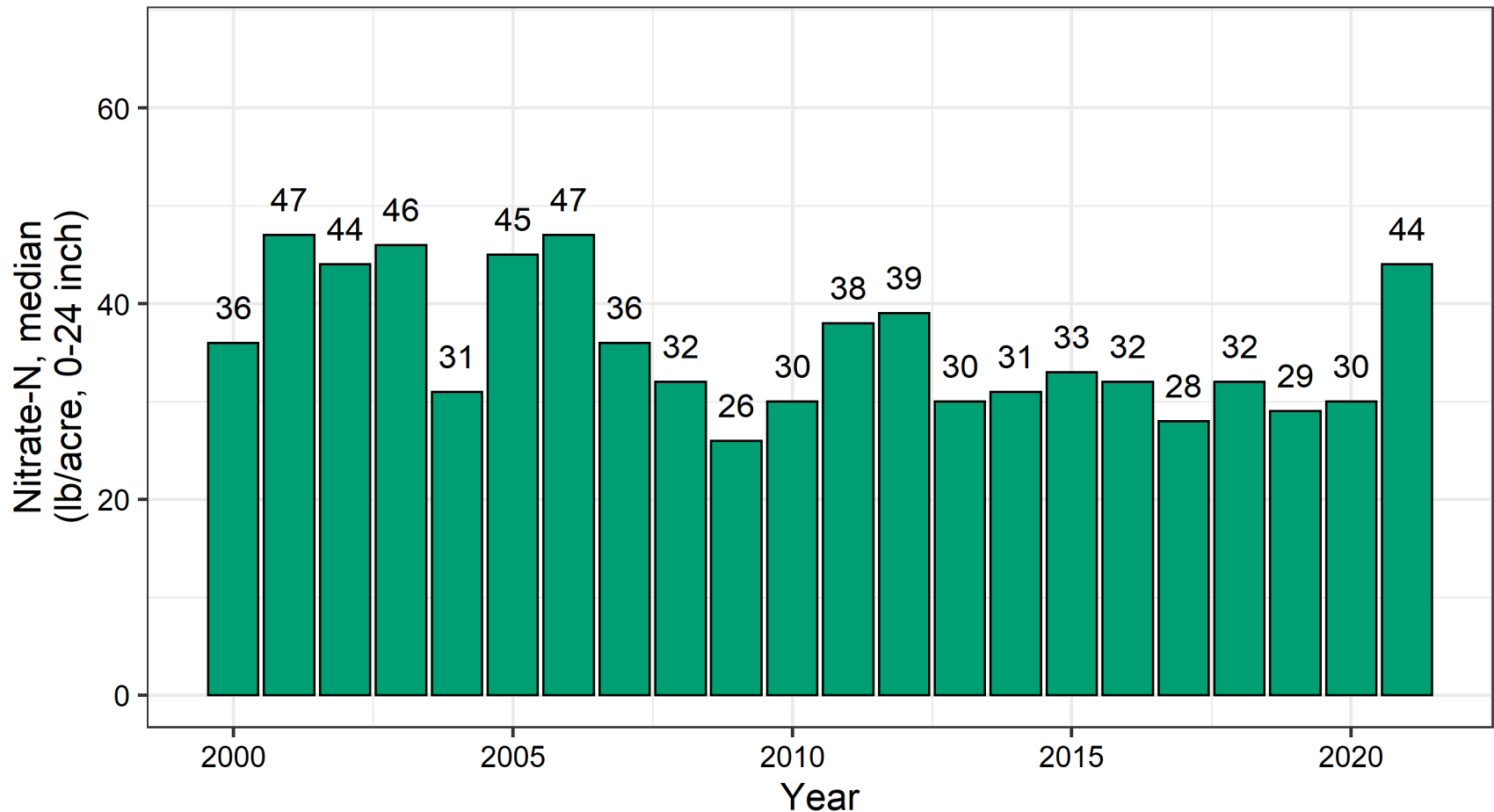
Residual nitrate variability following wheat in 2020 & 2021



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

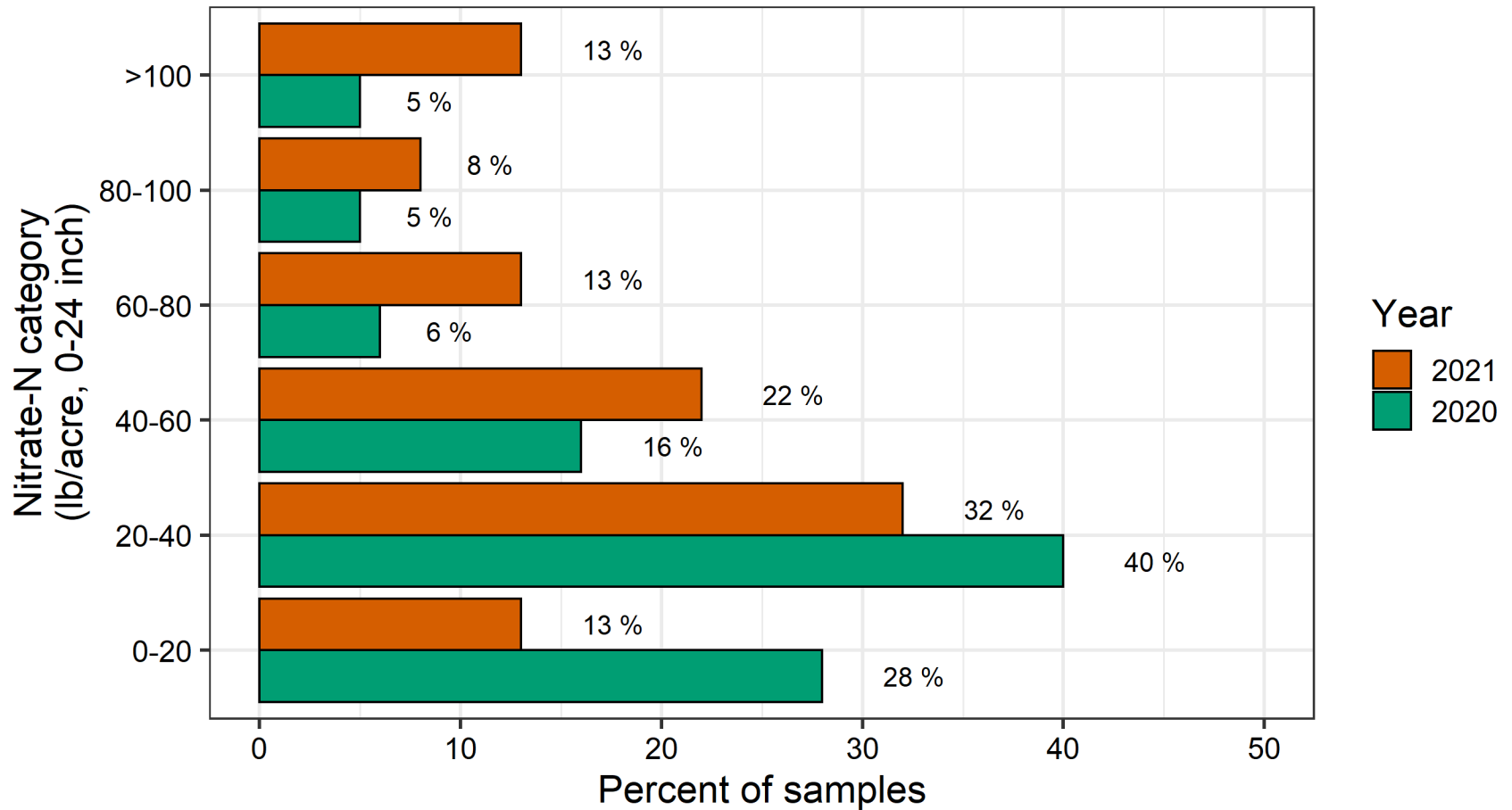
Residual nitrate following barley

Trend from 2000 to 2021



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

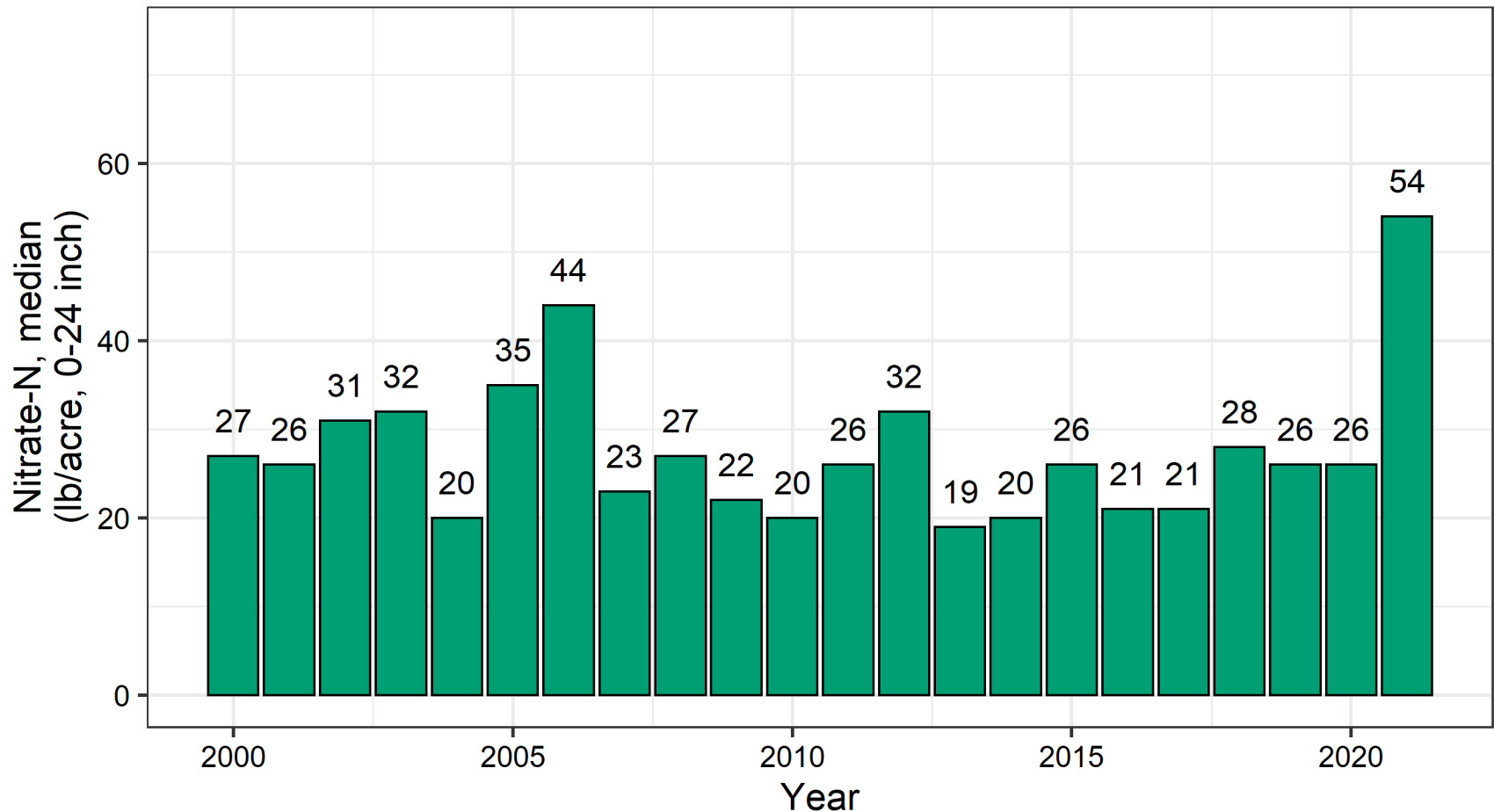
Residual nitrate variability following barley in 2020 & 2021



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

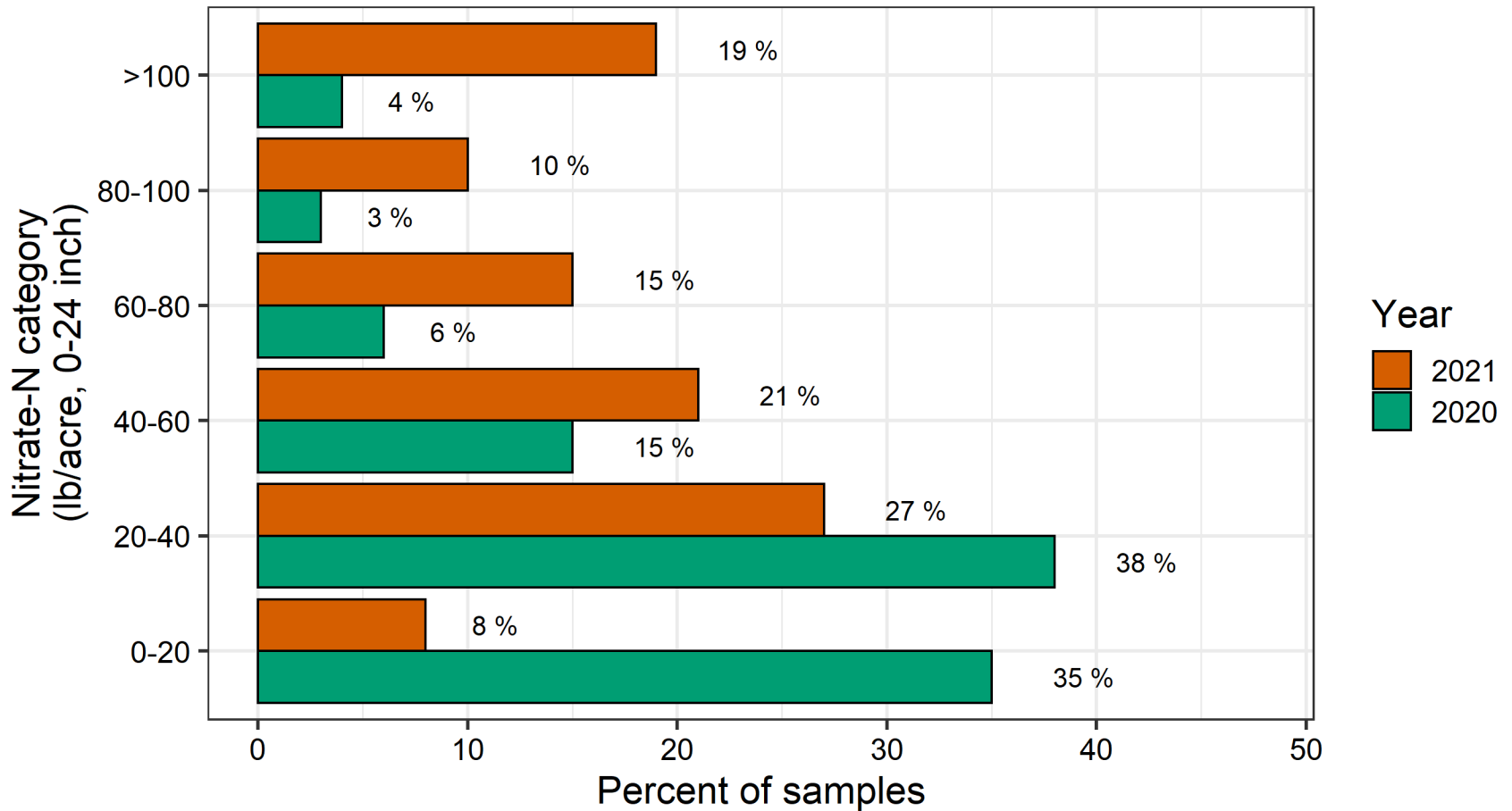
Residual nitrate following oat

Trend from 2000 to 2021



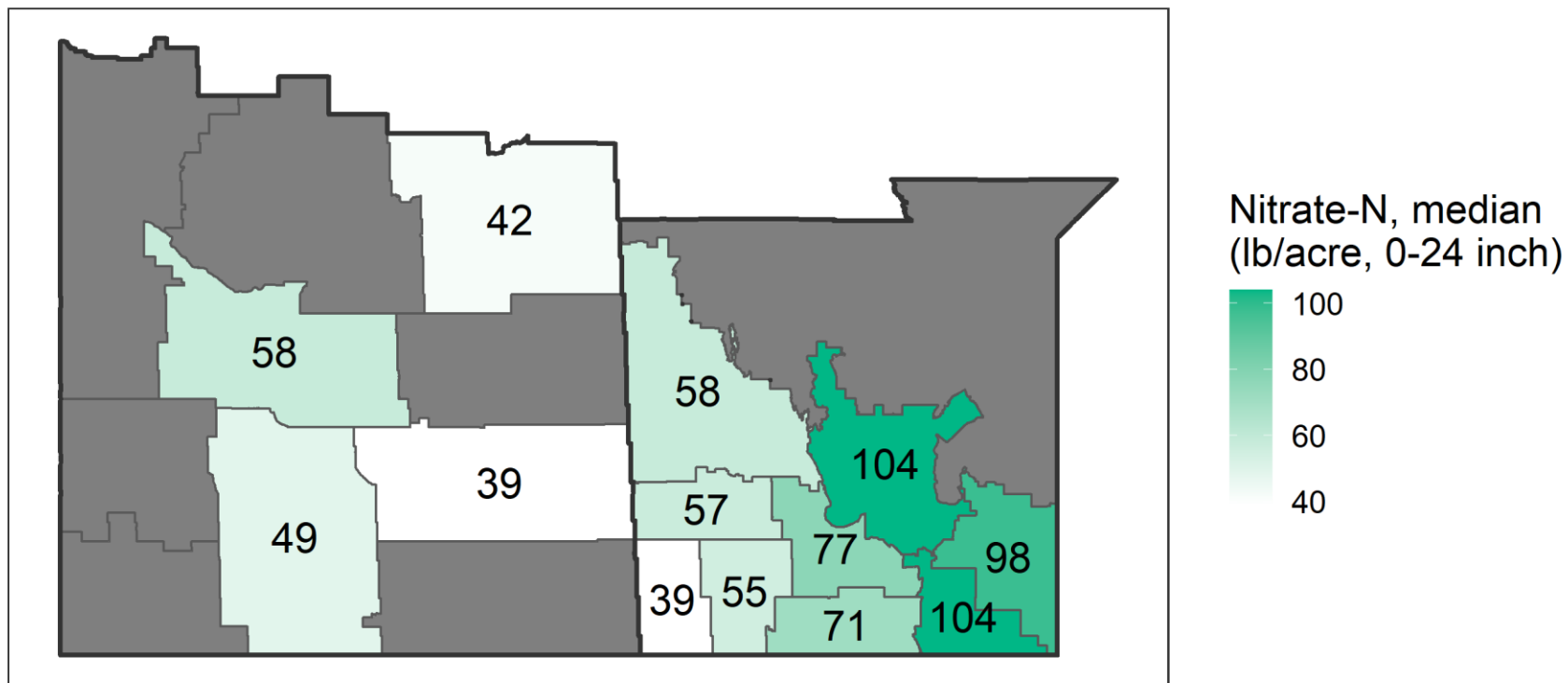
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Residual nitrate variability following oat in 2020 & 2021



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

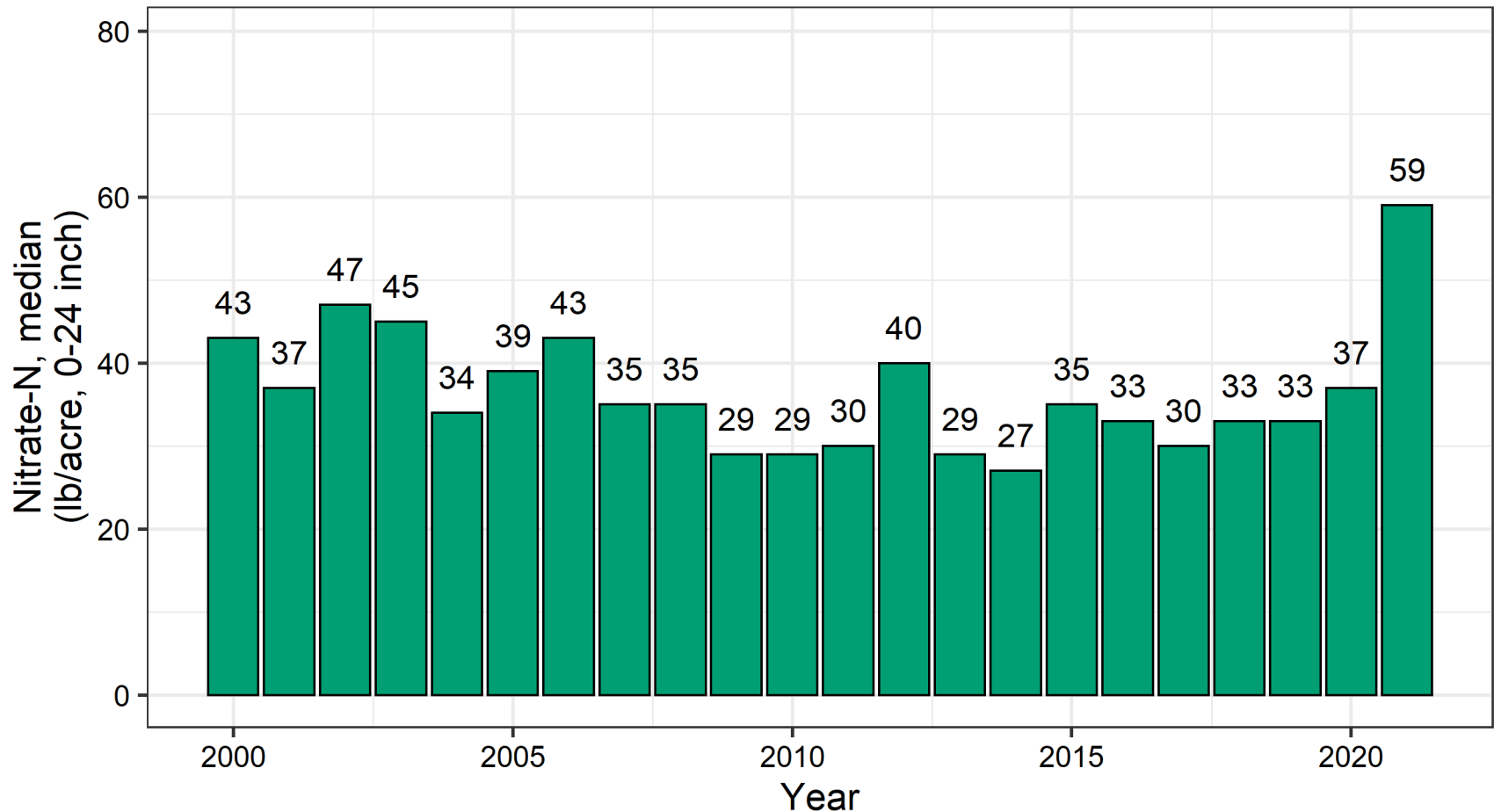
Residual nitrate following canola in 2021



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

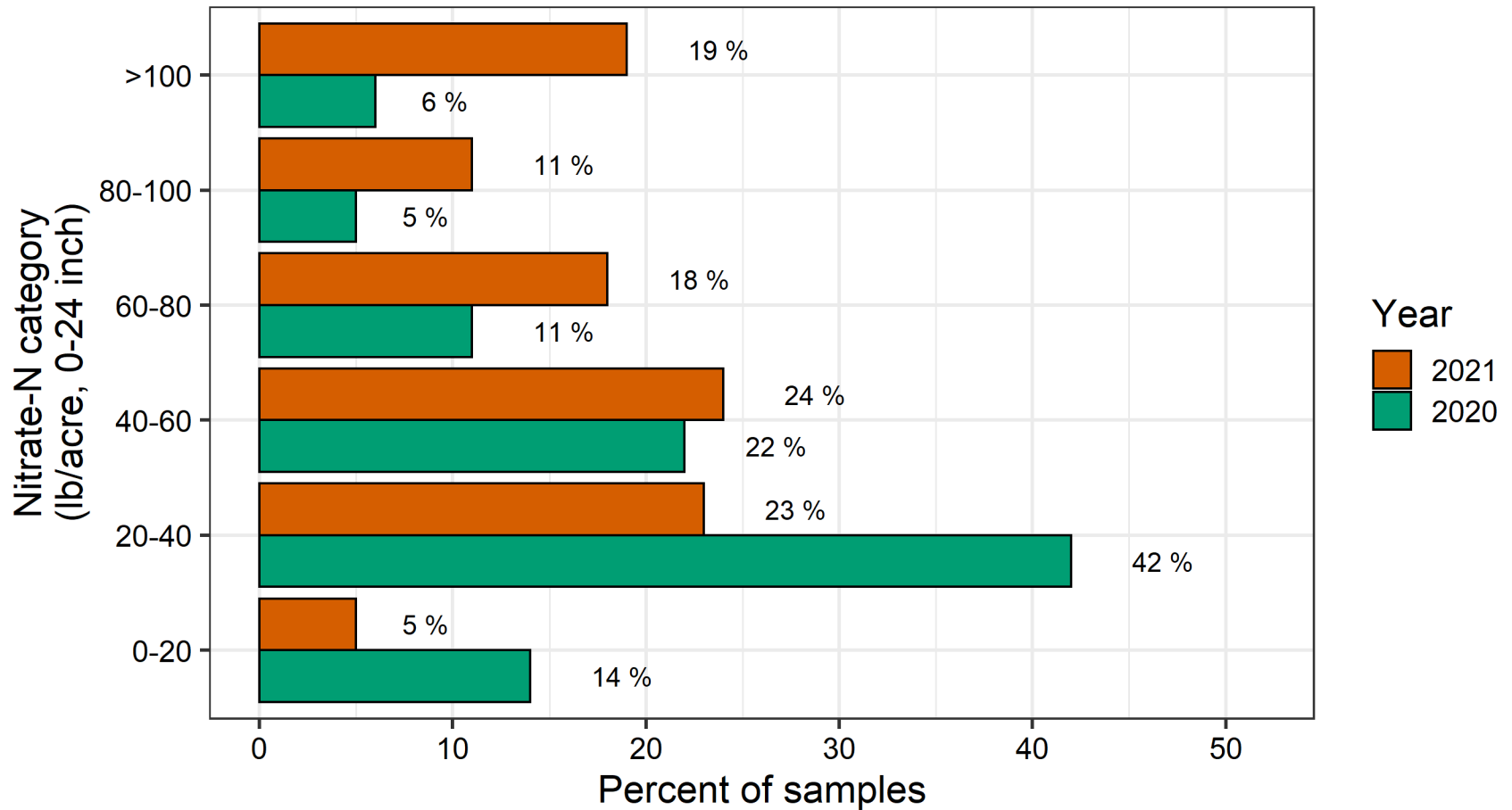
Residual nitrate following canola

Trend from 2000 to 2021



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

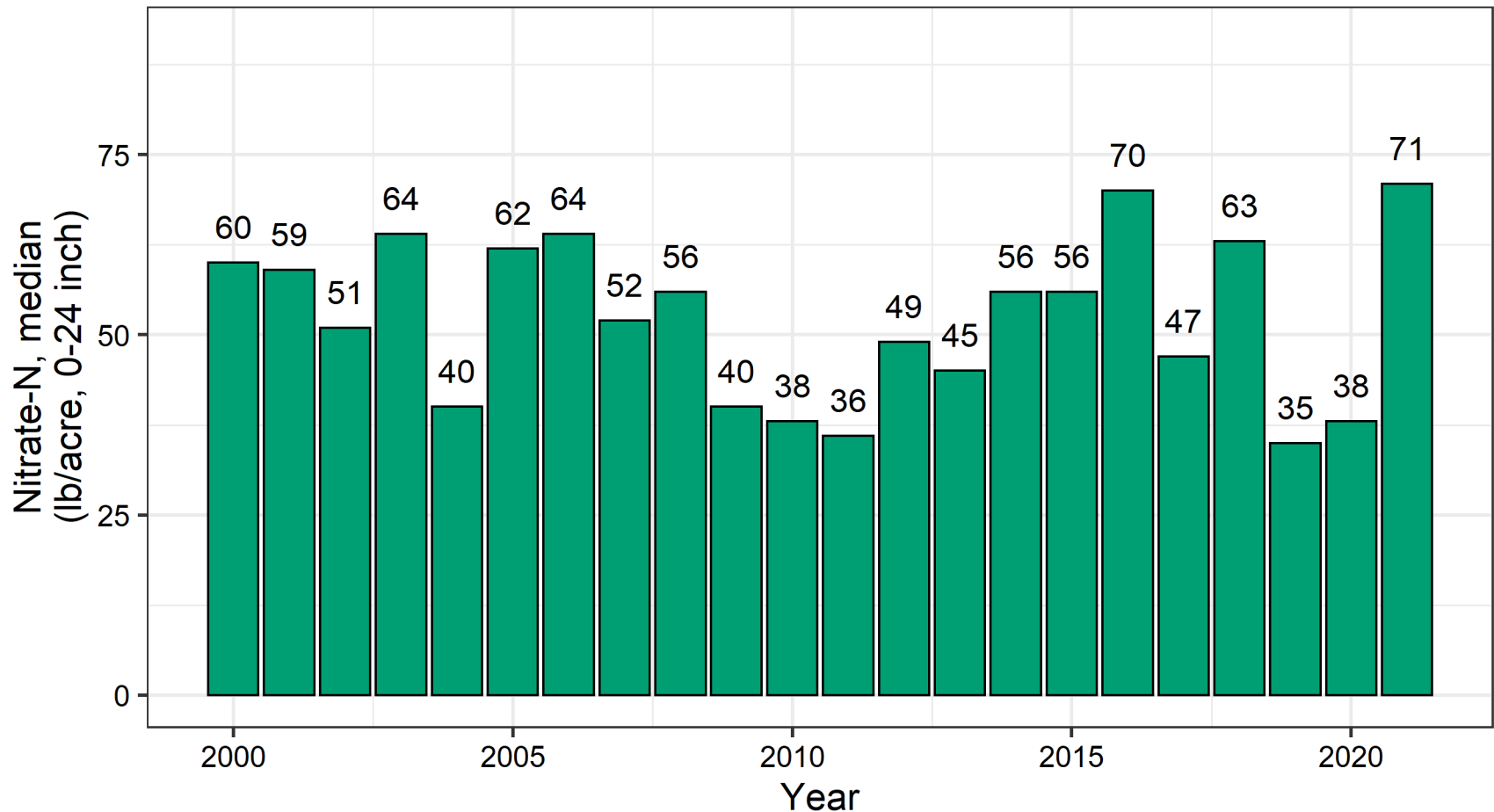
Residual nitrate variability following canola in 2020 & 2021



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

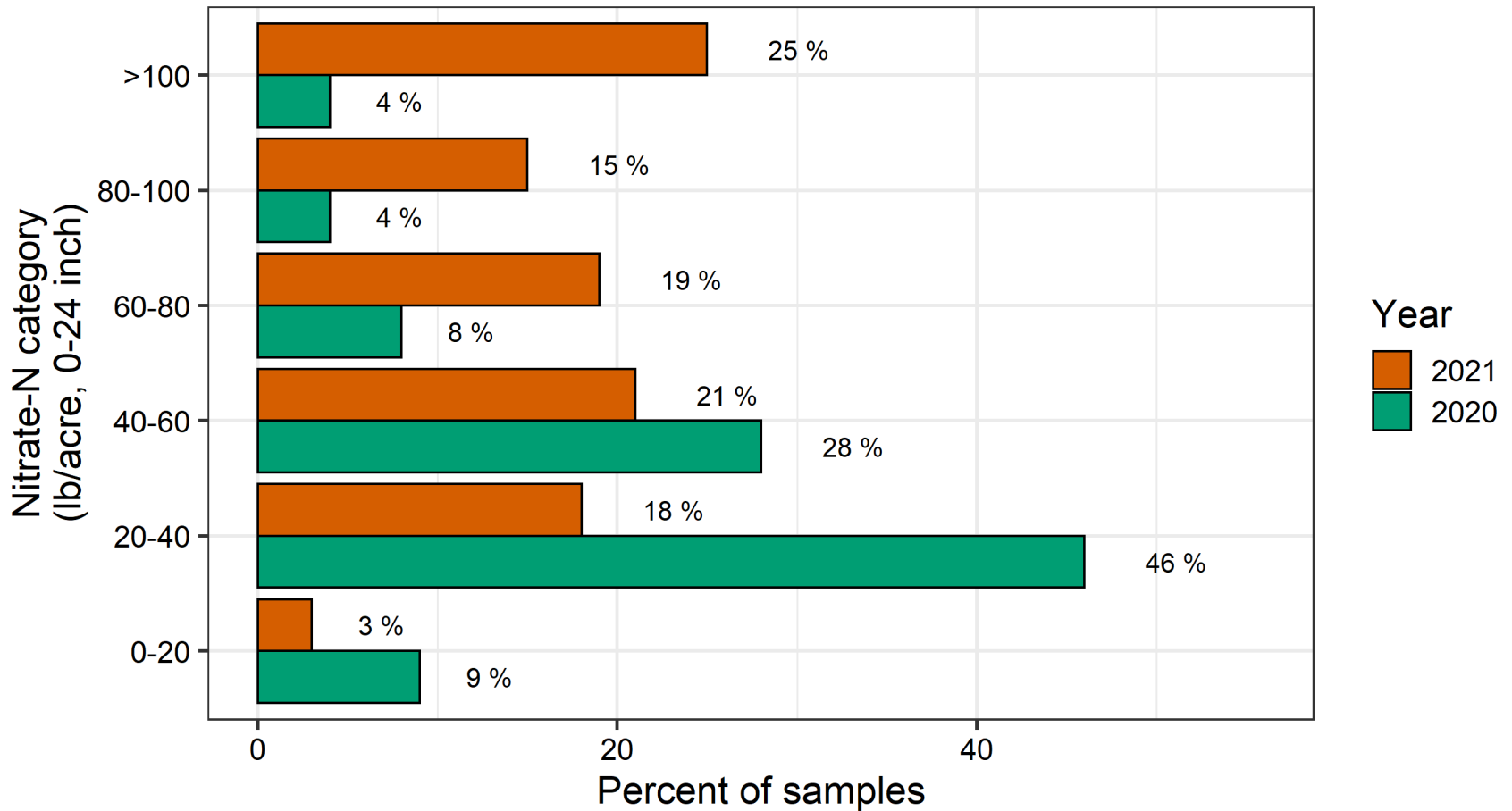
Residual nitrate following dry bean

Trend from 2000 to 2021



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

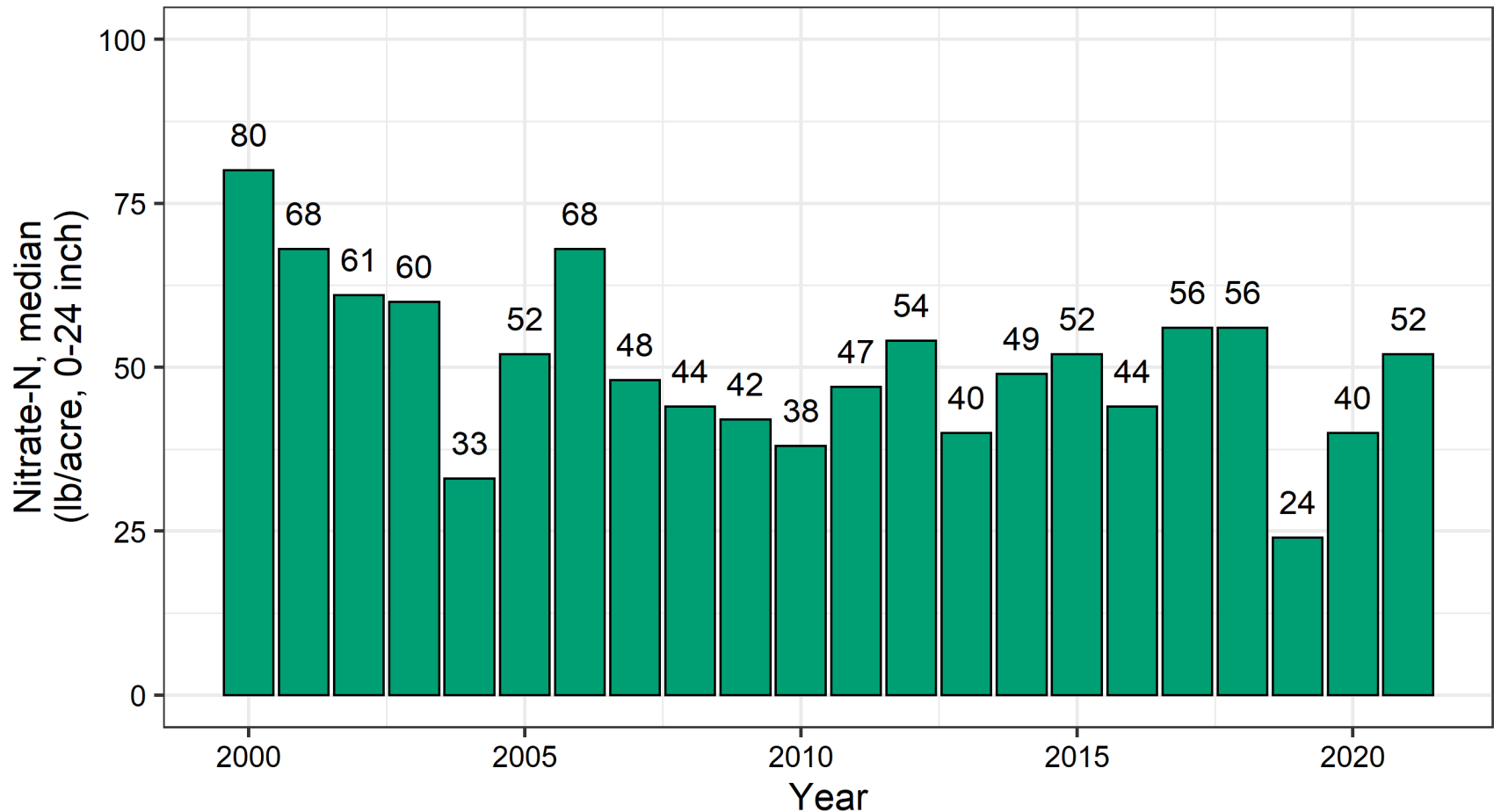
Residual nitrate variability following dry bean in 2020 & 2021



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

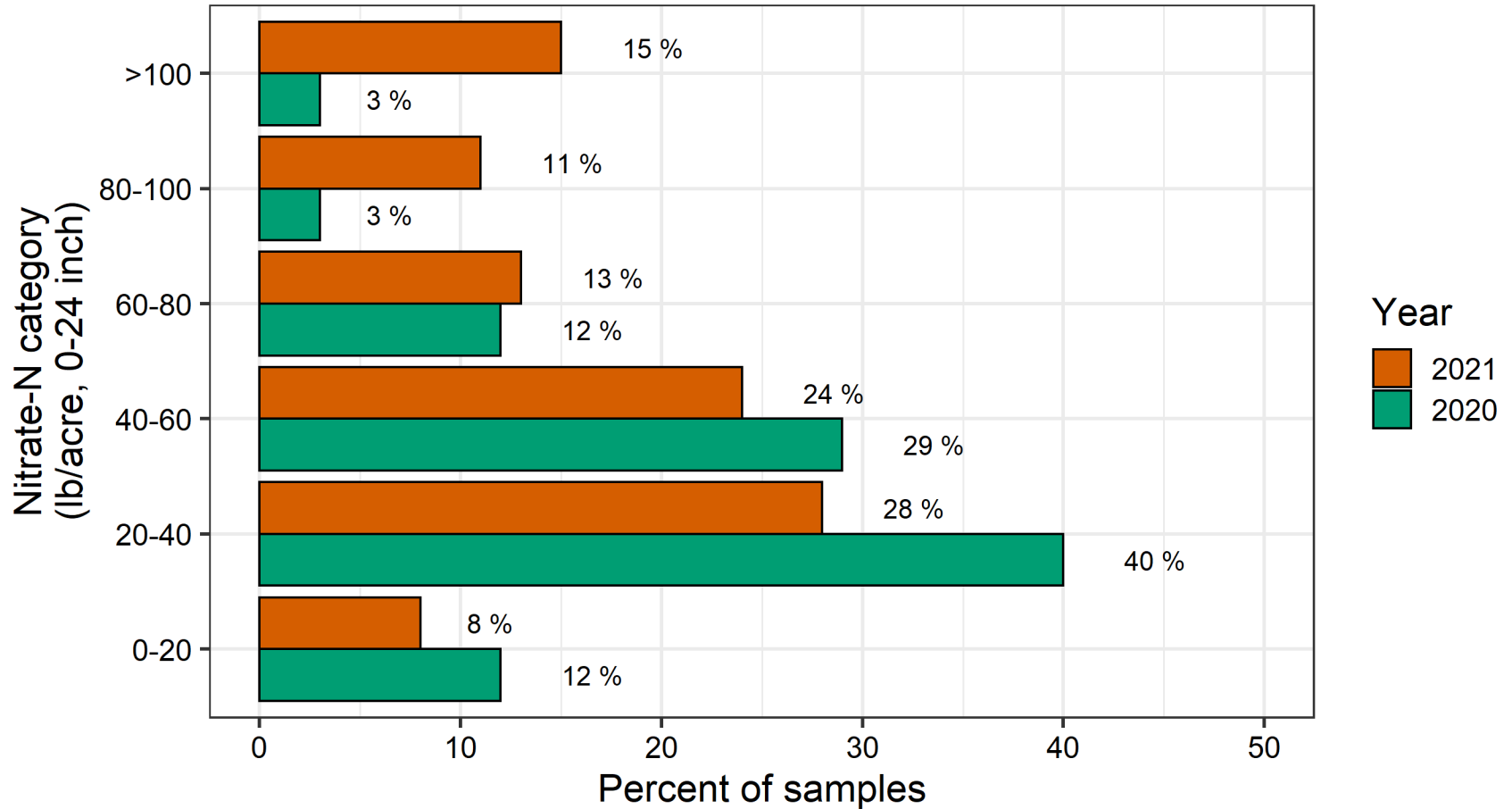
Residual nitrate following potato

Trend from 2000 to 2021



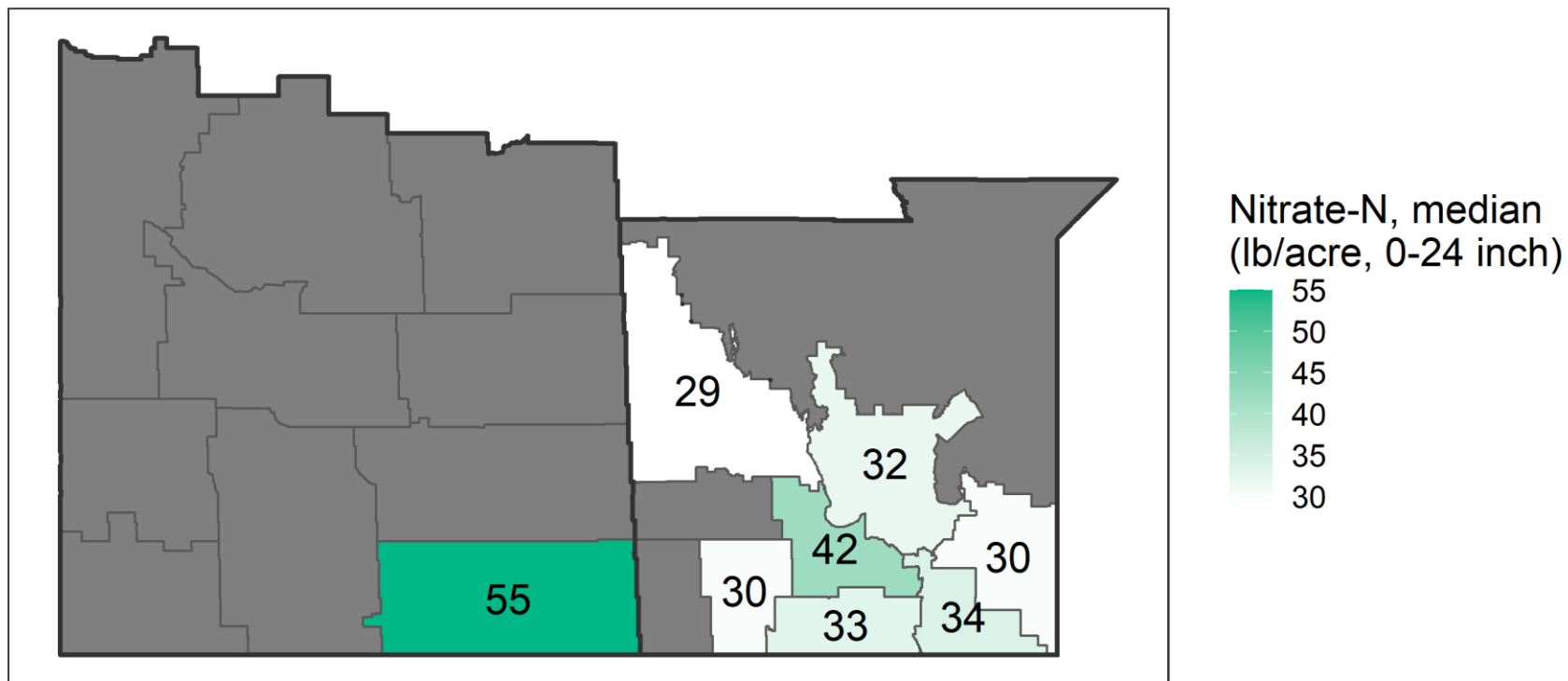
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Residual nitrate variability following potato in 2020 & 2021



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

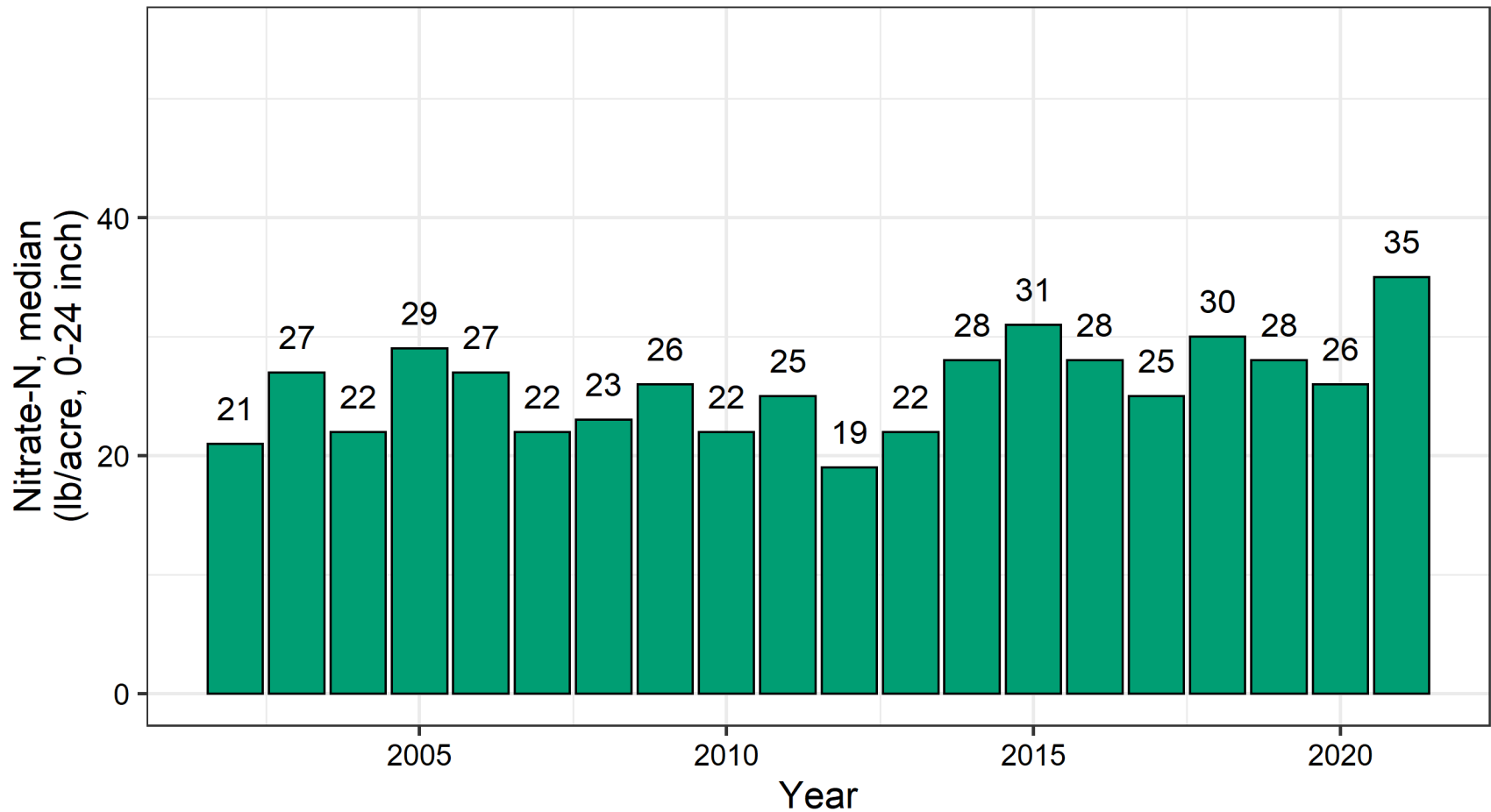
Residual nitrate following soybean in 2021



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

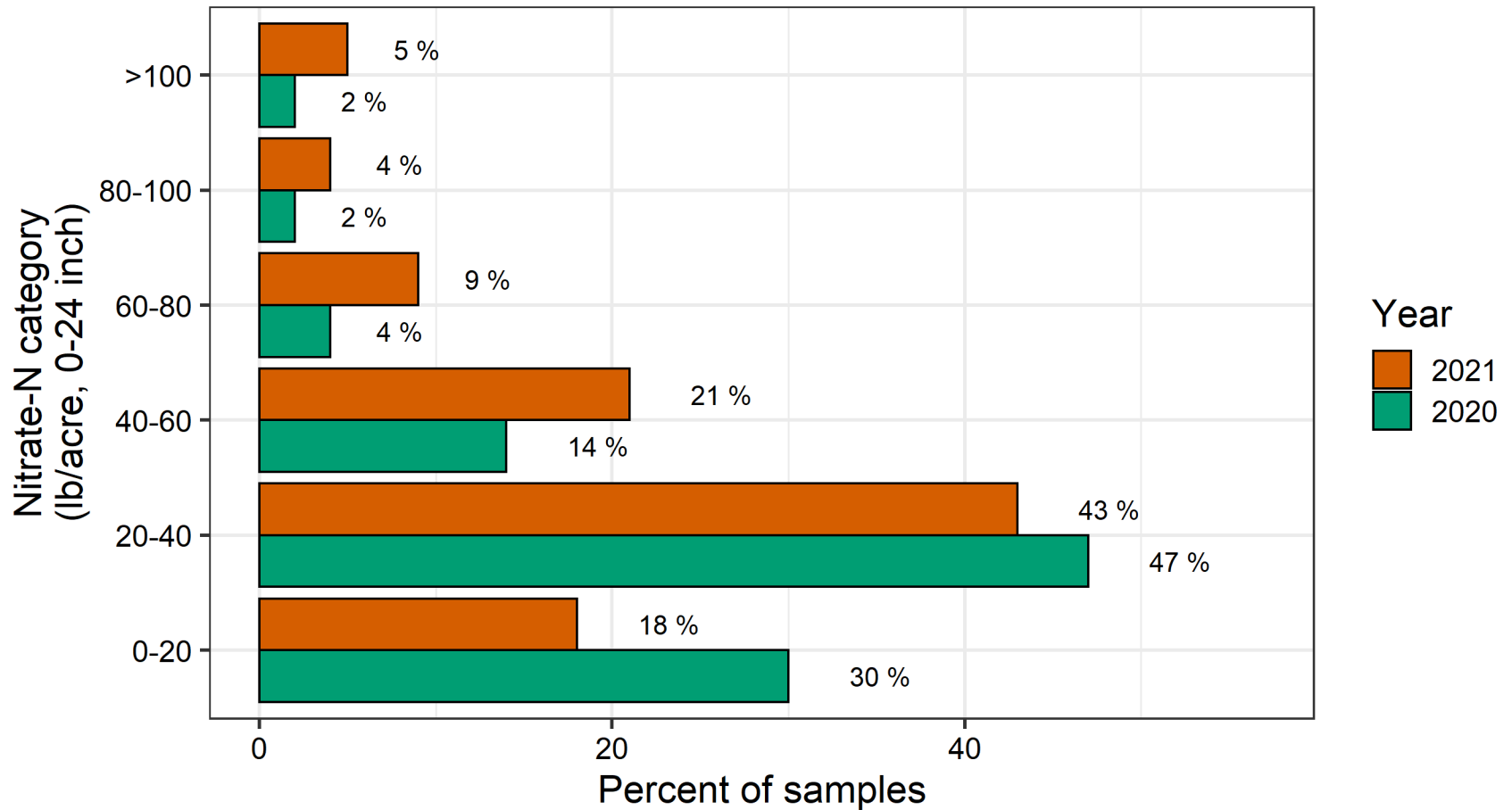
Residual nitrate following soybean

Trend from 2002 to 2021



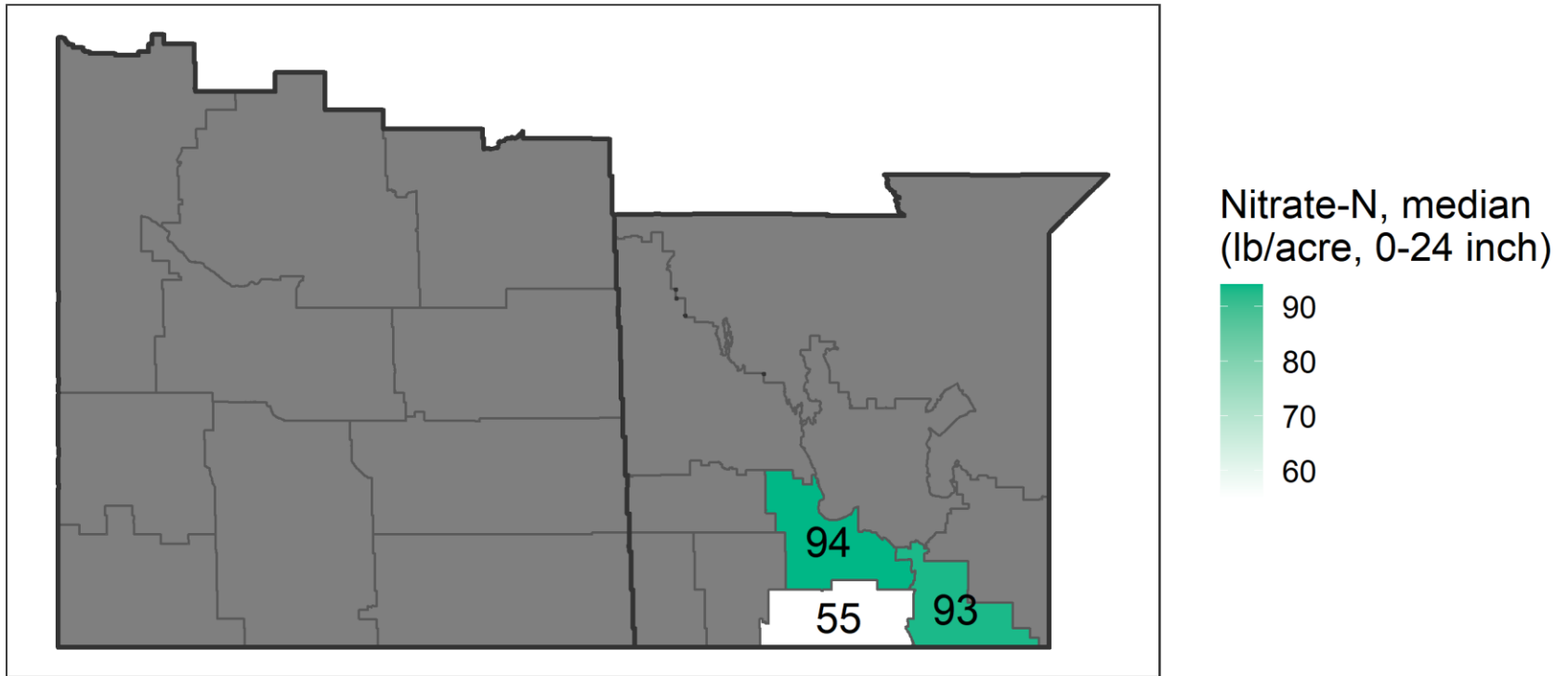
Data not shown where n < 100
AGVISE Laboratories, Inc.

Residual nitrate variability following soybean in 2020 & 2021



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

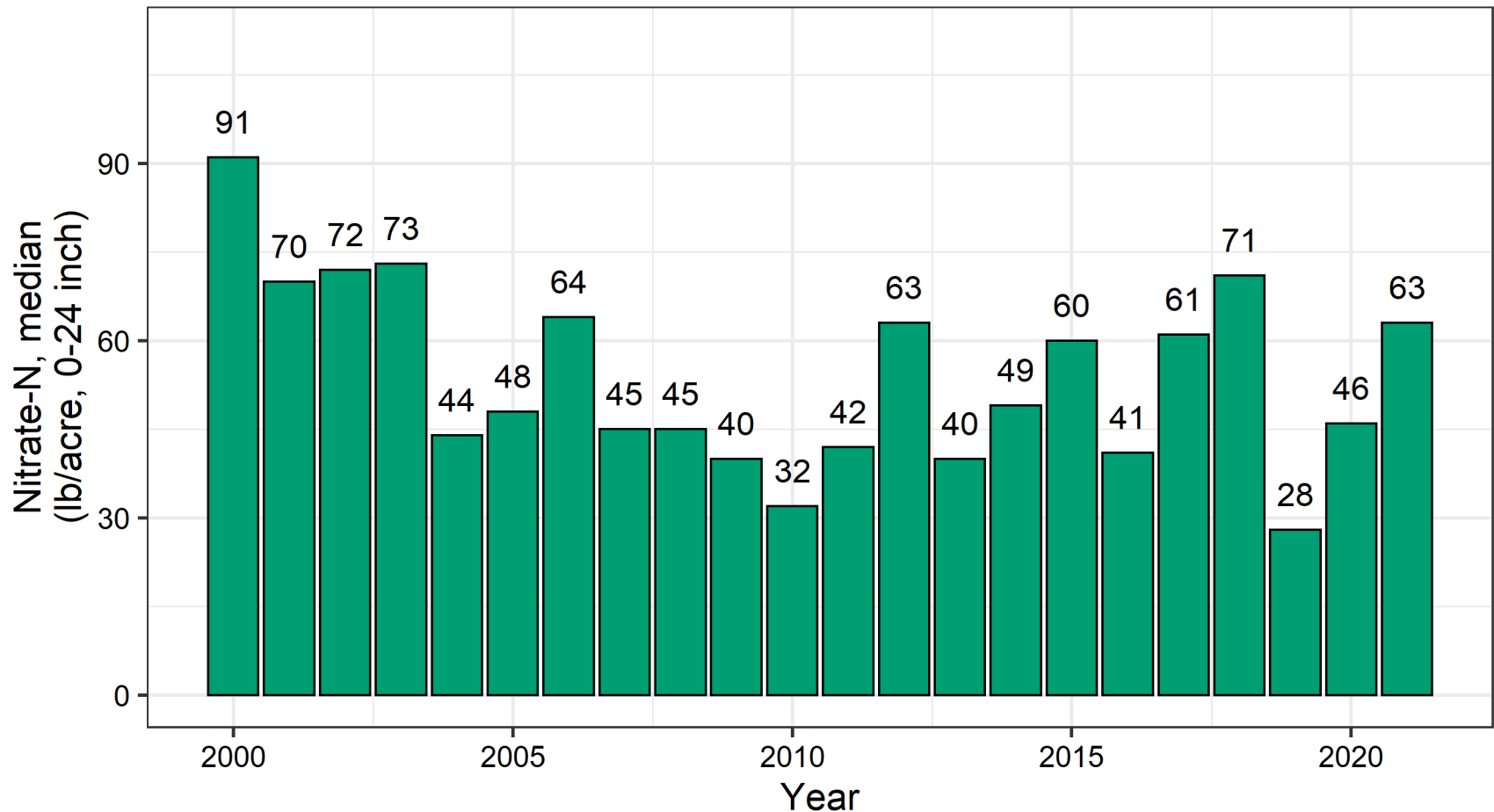
Residual nitrate following corn in 2021



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

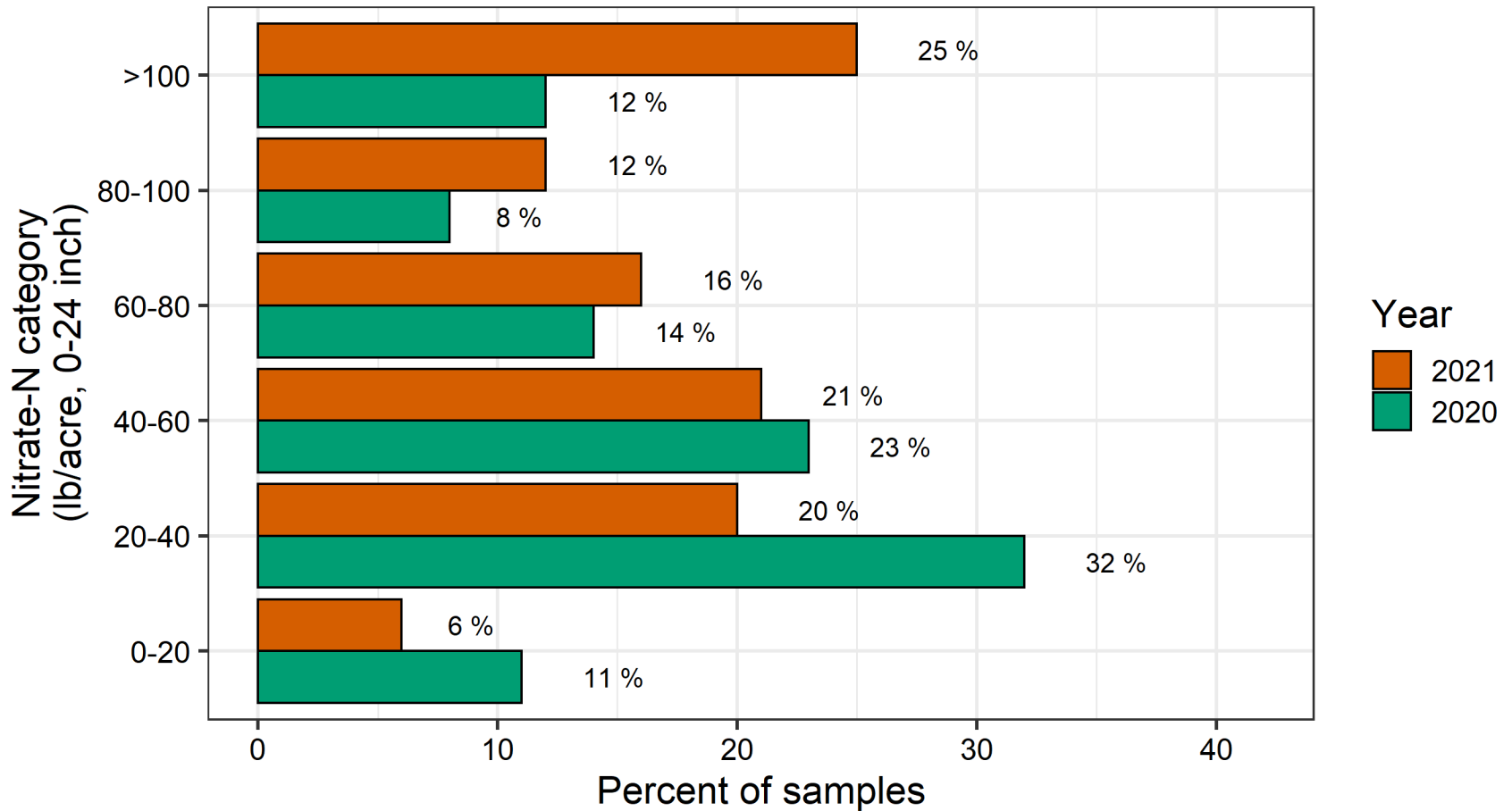
Residual nitrate following corn

Trend from 2000 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.

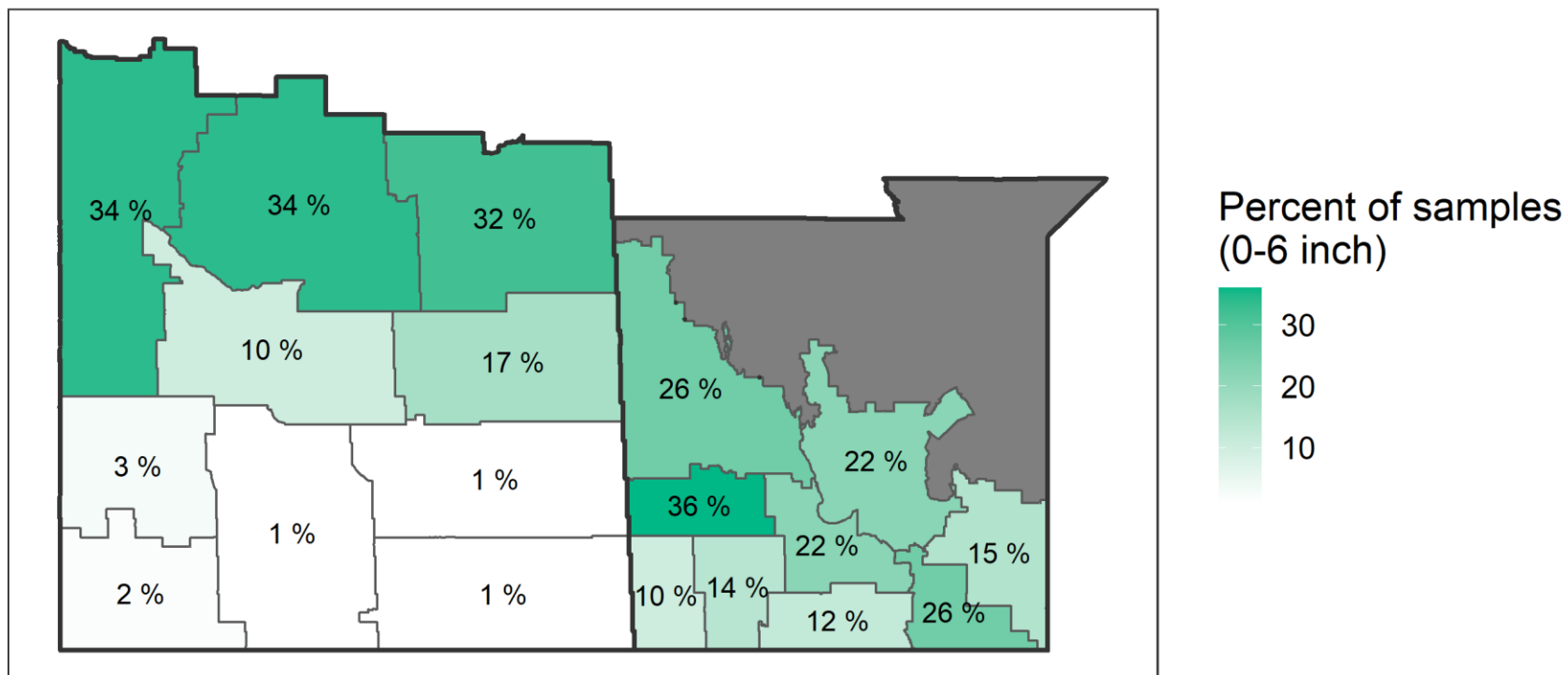
A map of Minnesota divided into counties, each labeled with a percentage representing the population aged 65 and older. The percentages are: 93%, 88%, 74%, 58%, 91%, 60%, 77%, 78%, 78%, 70%, 74%, 59%, 33%, 61%, 79%, 55%, 44%, 28%.

90
80
70
60
50
40
30



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Soil samples with soil test potassium below 150 ppm in 2021



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

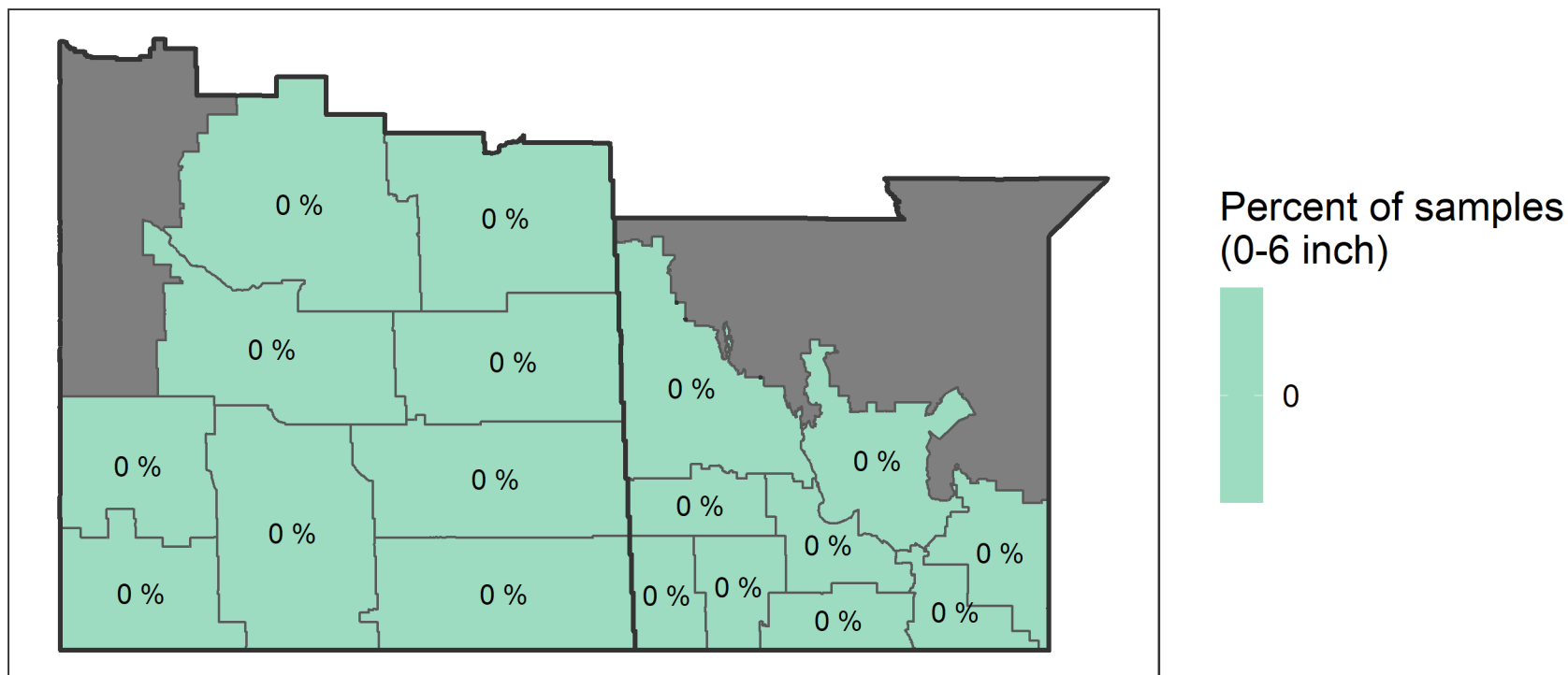
A map of Minnesota divided into counties, each labeled with a percentage representing the proportion of the population aged 65 and older. The percentages are as follows:

County	Percentage
Becker	50%
Beltrami	55%
Benton	54%
Burns	27%
Cass	52%
Chippewa	50%
Clearwater	8%
Crow	7%
Dakota	5%
Faribault	36%
Hennepin	55%
Isanti	29%
Itasca	37%
Jefferson	39%
Kandiyohi	25%
Lac	35%
Lake	26%
Lincoln	8%
Martin	8%
Murray	8%
Polk	8%
St. Louis	8%
Wadena	8%
Wright	8%

50
40
30
20
10

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

Soil samples with soil test calcium below 500 ppm in 2021

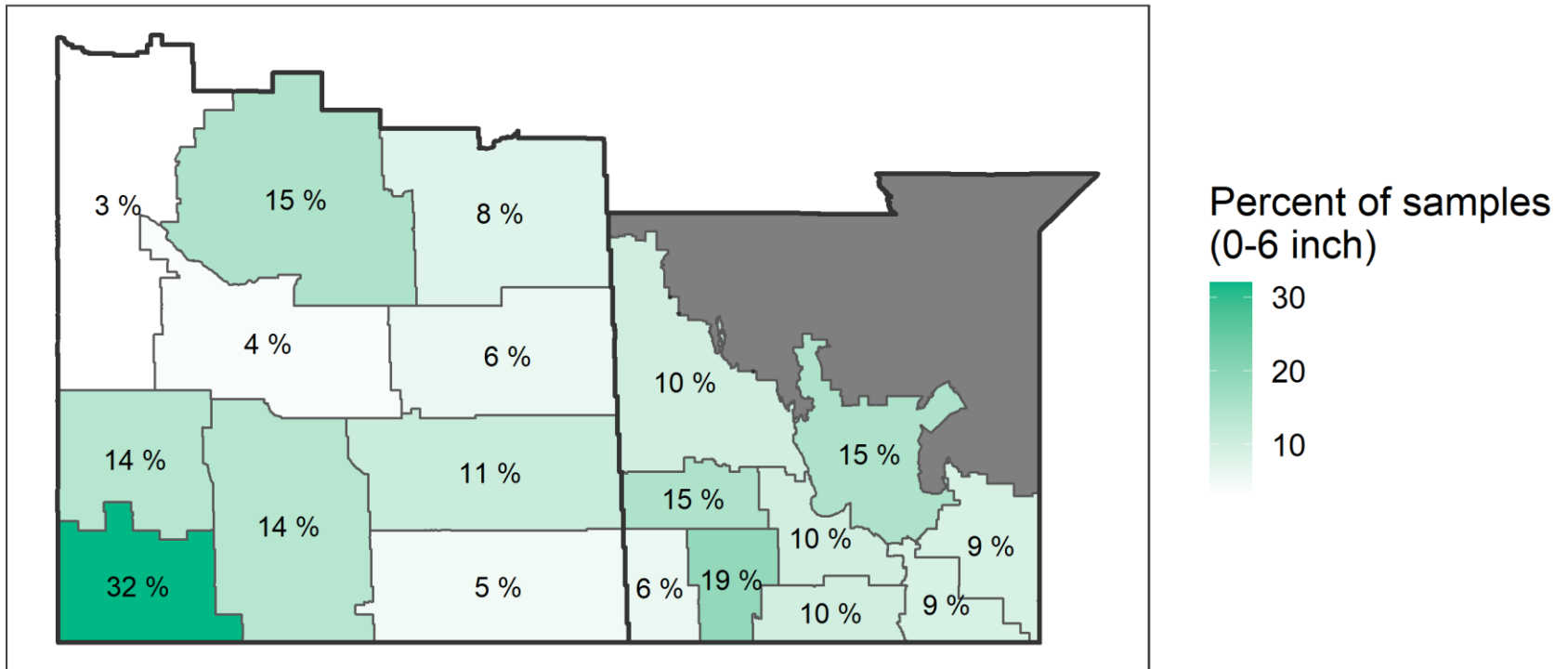


Data not shown where $n < 100$
AGVISE Laboratories, Inc.

[illegible]

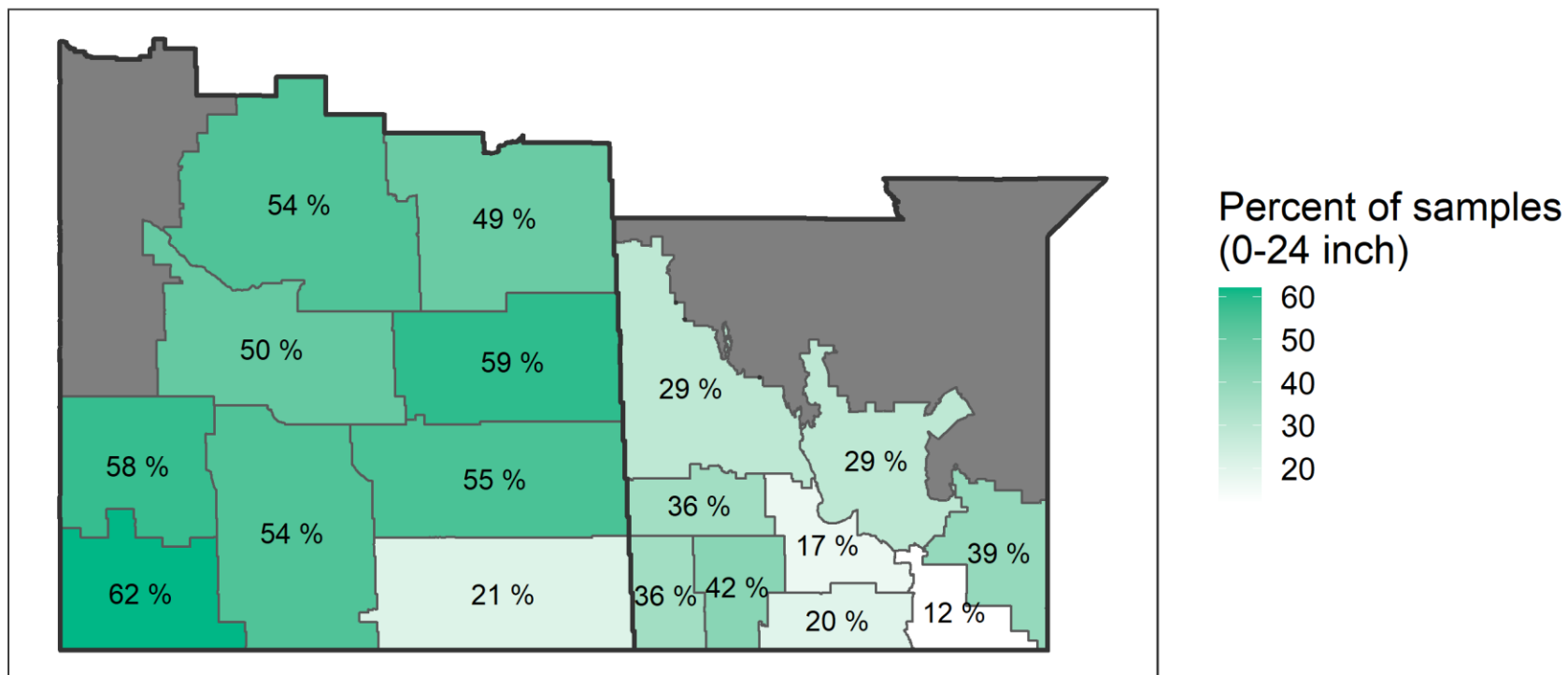
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Soil samples with soil test sulfur below 15 lb/acre in 2021



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.

[illegible]

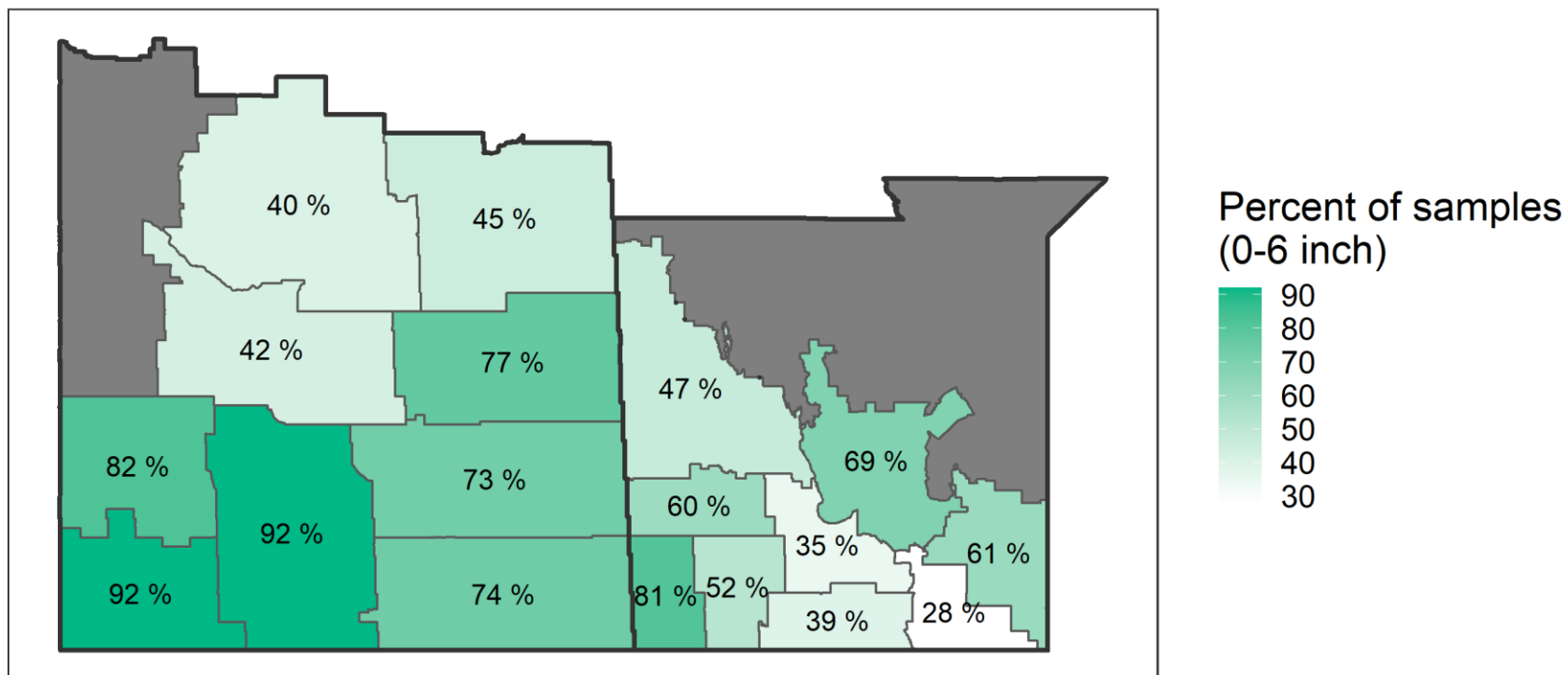
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Map of Minnesota showing the percentage of the population in each county that is aged 65 and over. The percentages are: Cook 55%, Hennepin 25%, Ramsey 19%, Anckerly 7%, Hennepin 18%, Hennepin 35%, Hennepin 31%, Hennepin 31%, Hennepin 19%, Hennepin 10%, Hennepin 7%, Hennepin 8%, Hennepin 5%, Hennepin 3%, Hennepin 4%, Hennepin 8%, Hennepin 22%, Hennepin 31%, Hennepin 19%, Hennepin 10%, Hennepin 7%, Hennepin 8%.

50
40
30
20
10

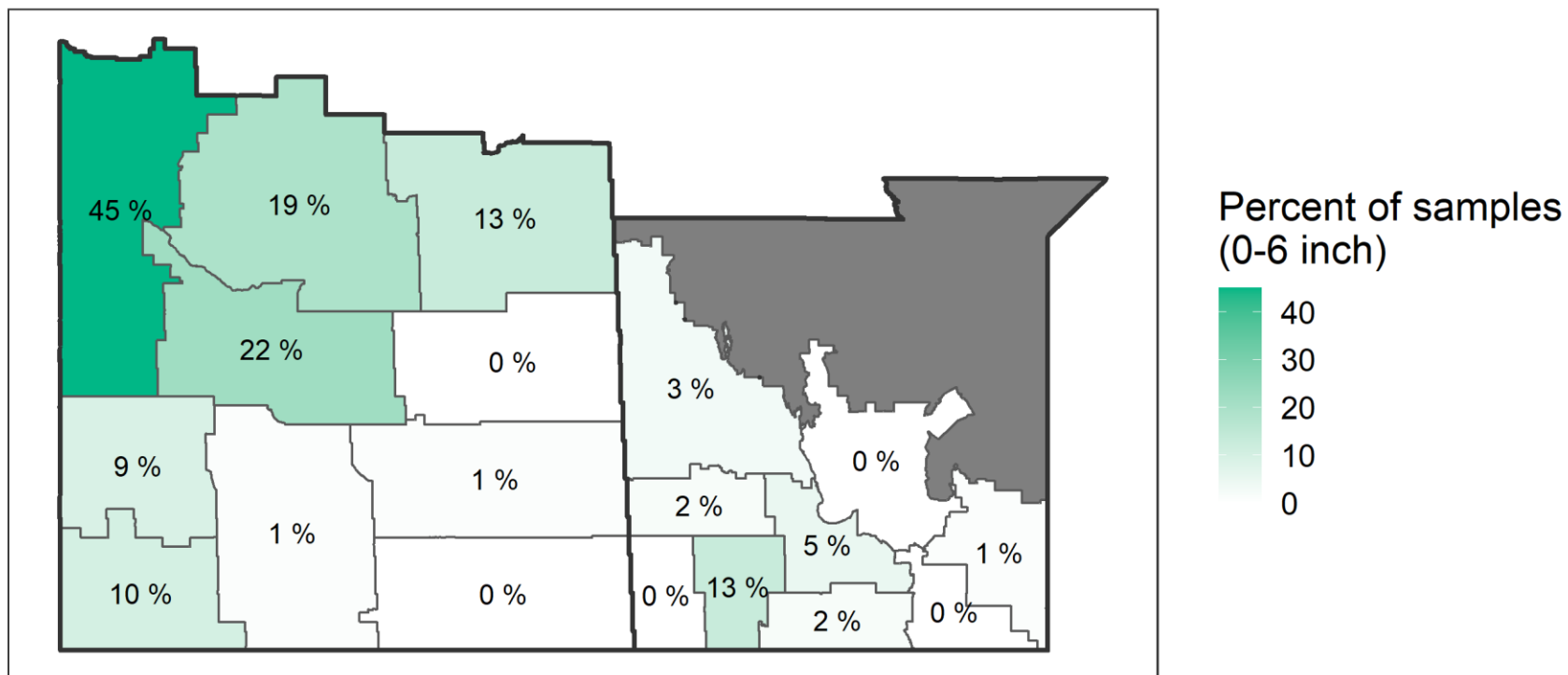
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test zinc below 1.0 ppm in 2021



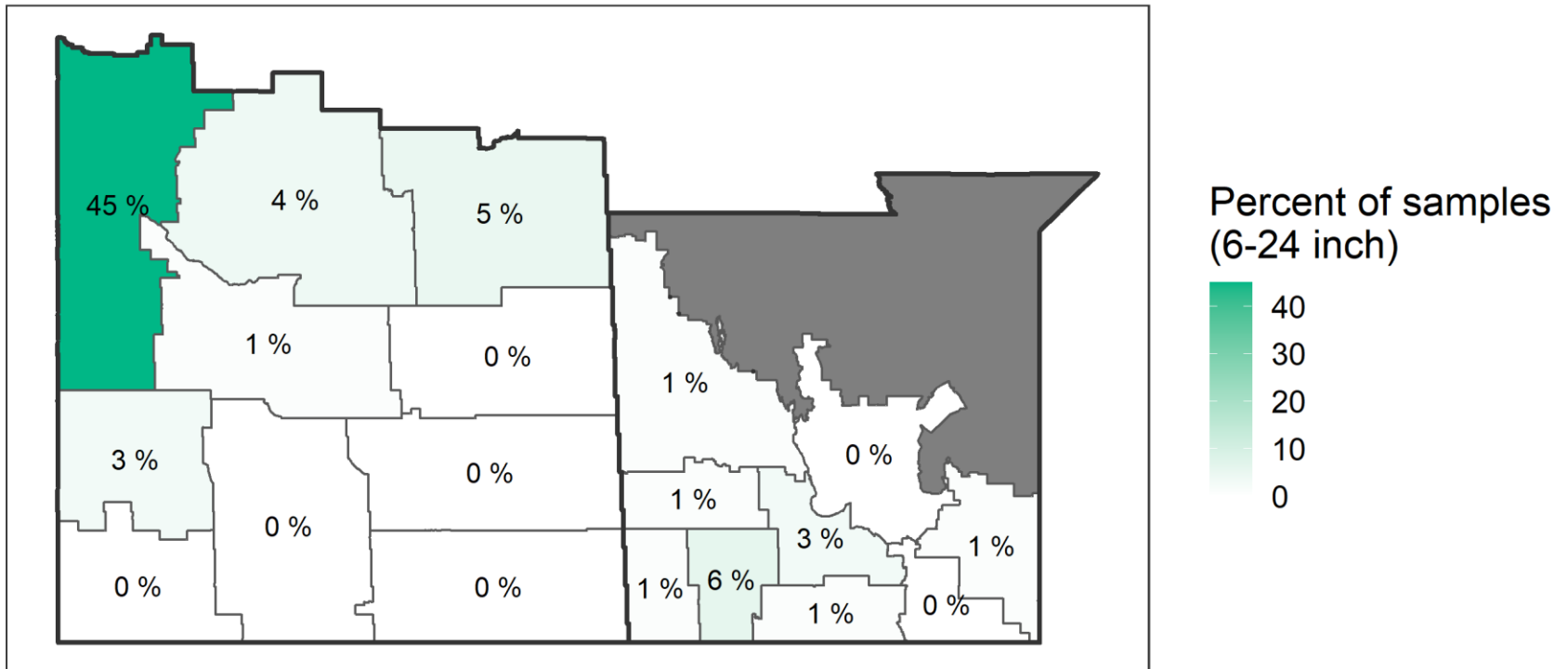
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with soil pH below 6.0 in 2021



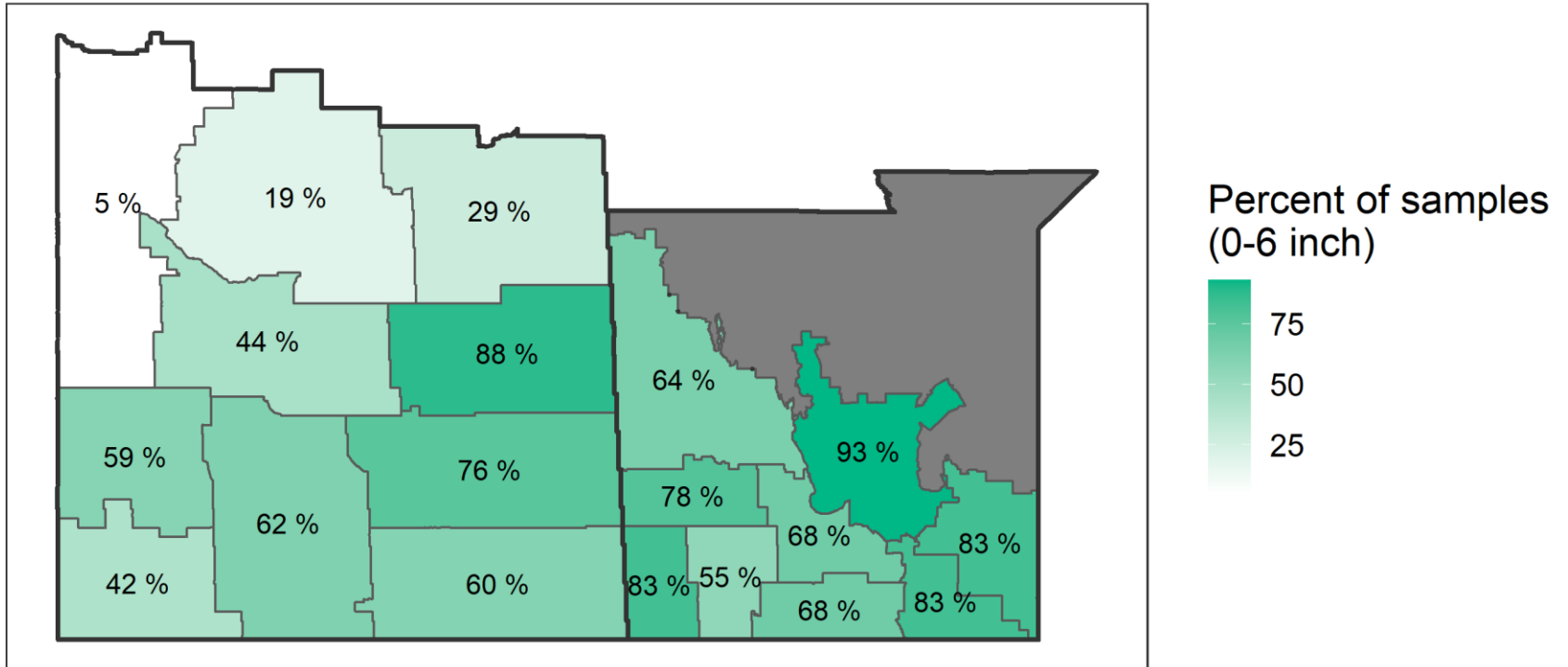
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

Soil samples with subsoil pH below 7.0 in 2021



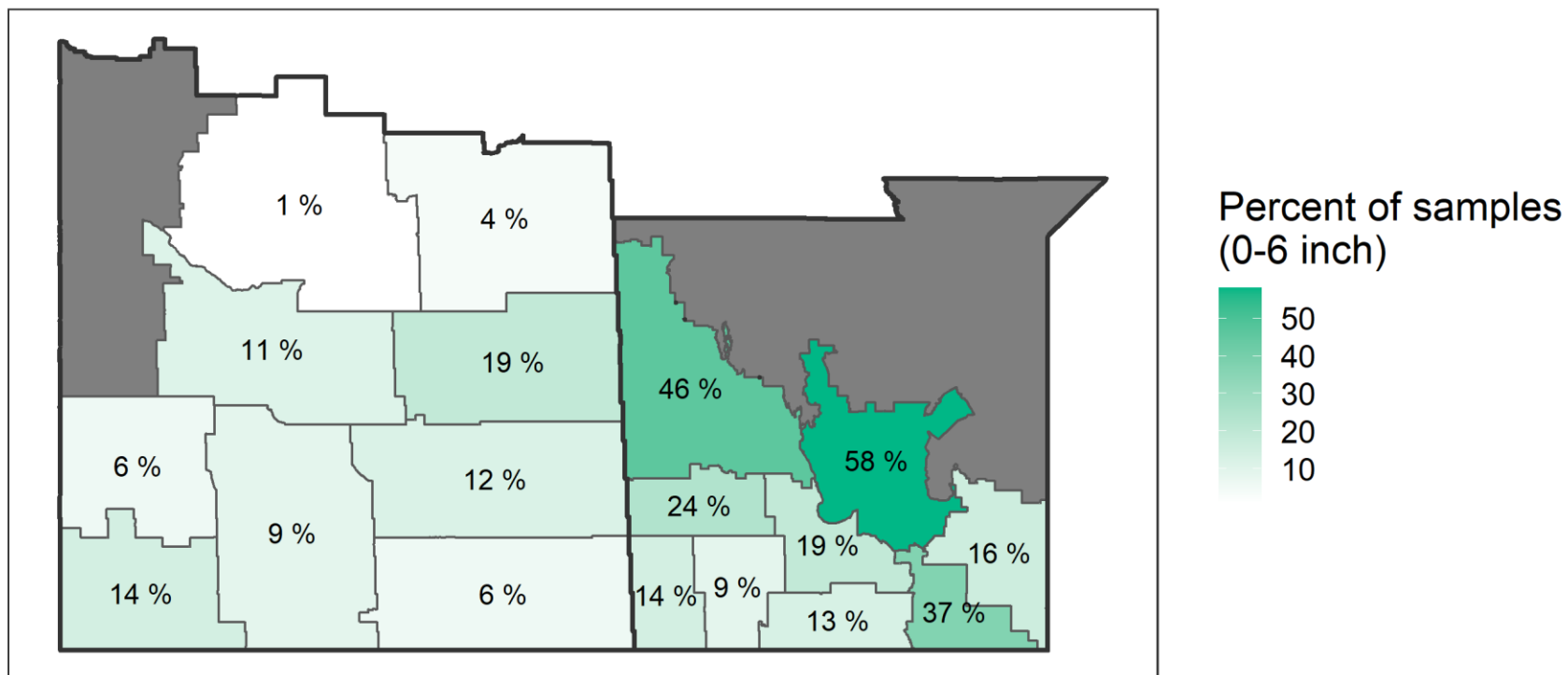
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil pH above 7.3 in 2021



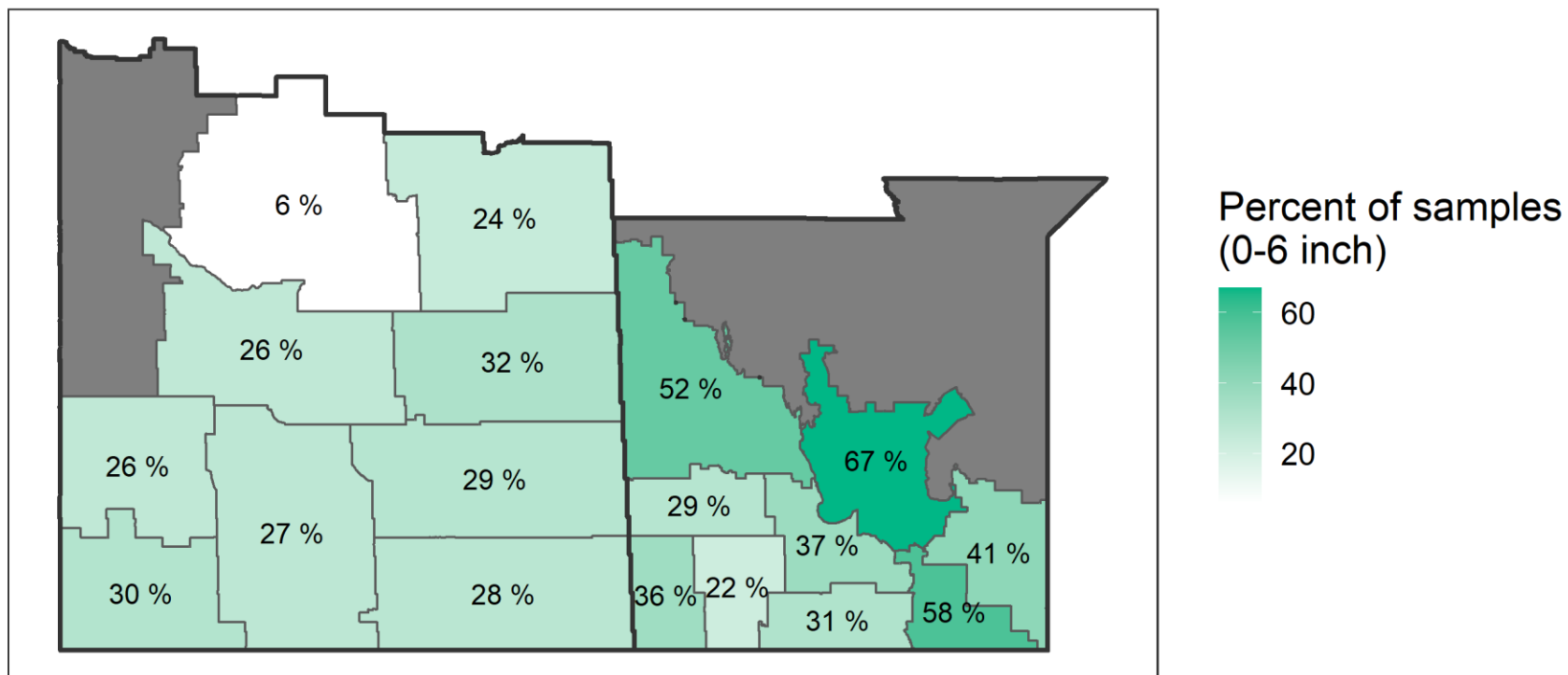
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with calcium carbonate above 5.0 % CCE in 2021



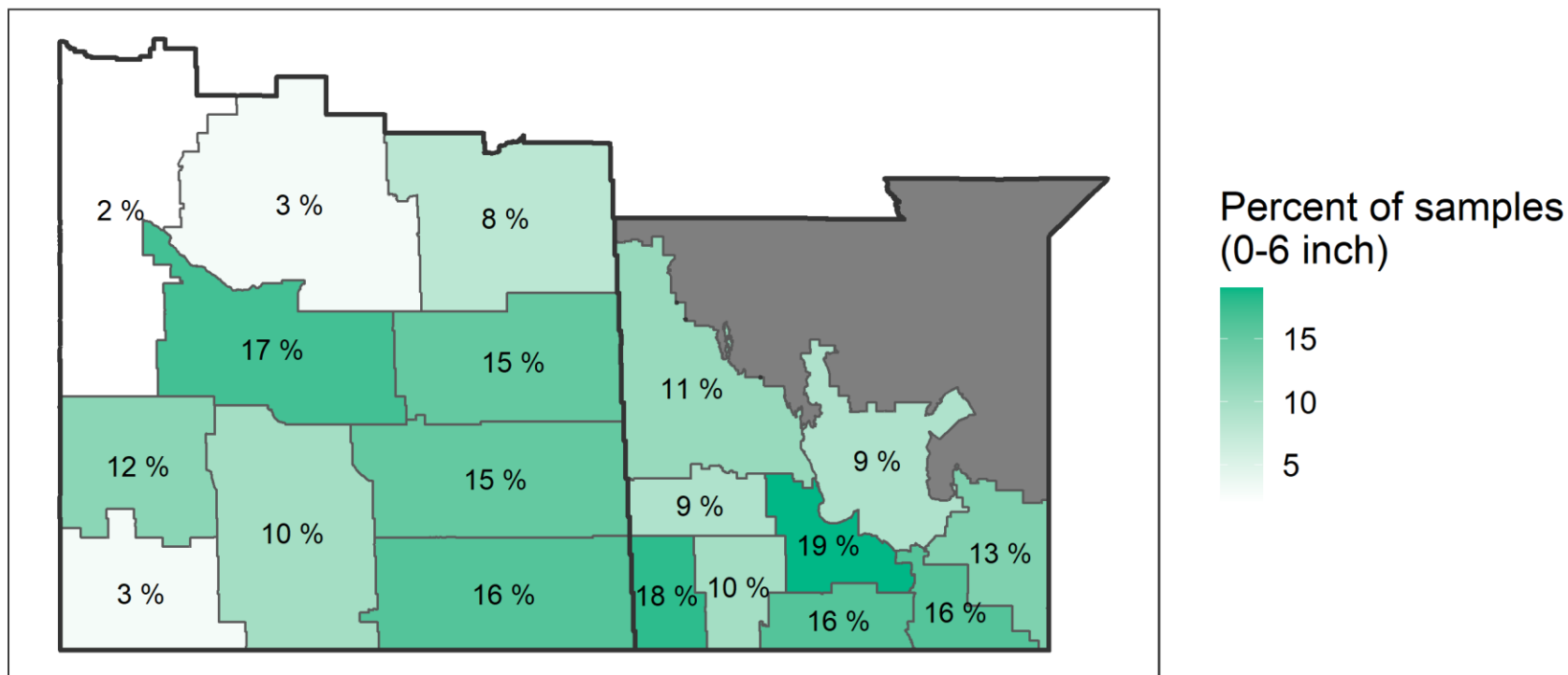
Data not shown where $n < 100$
AGVISE Laboratories, Inc.

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

