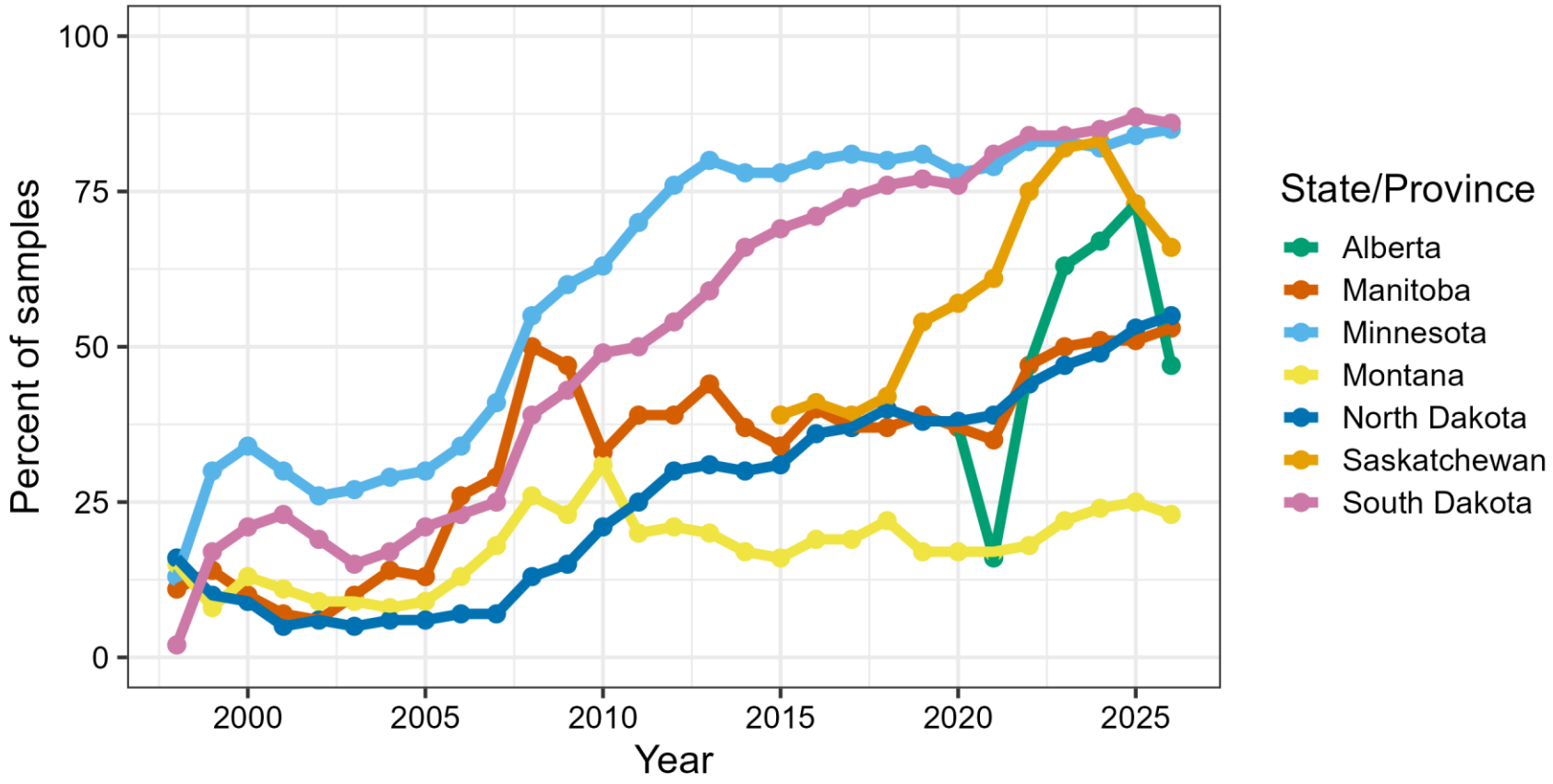
AGVISE Soil Test Summary 2026 Minnesota, North Dakota South Dakota, Manitoba

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

AGVISE LABORATORIES

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

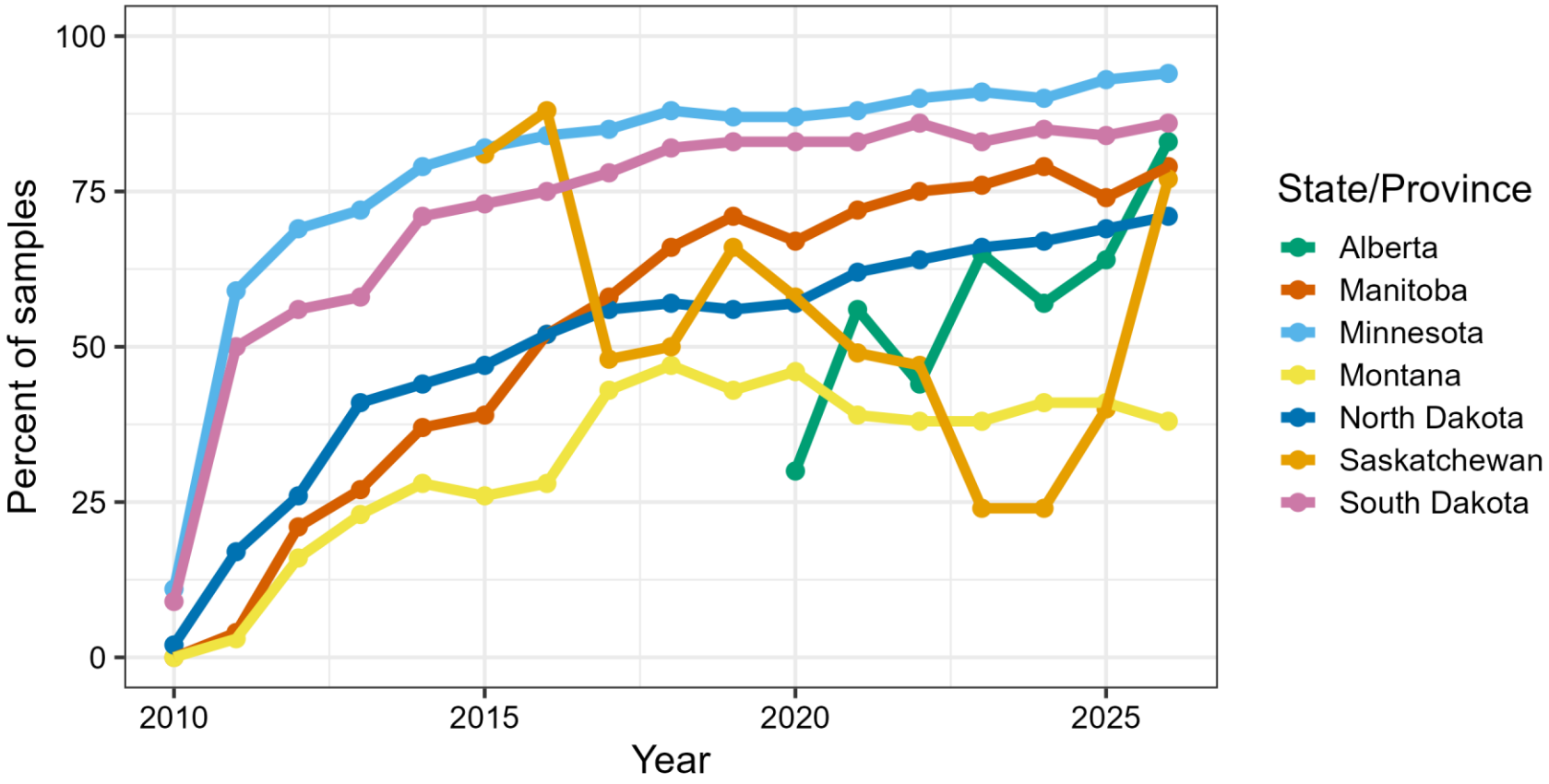
Trend from 1998 to 2026



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

Soil samples submitted using AGVISE Online Submission

Trend from 2010 to 2026



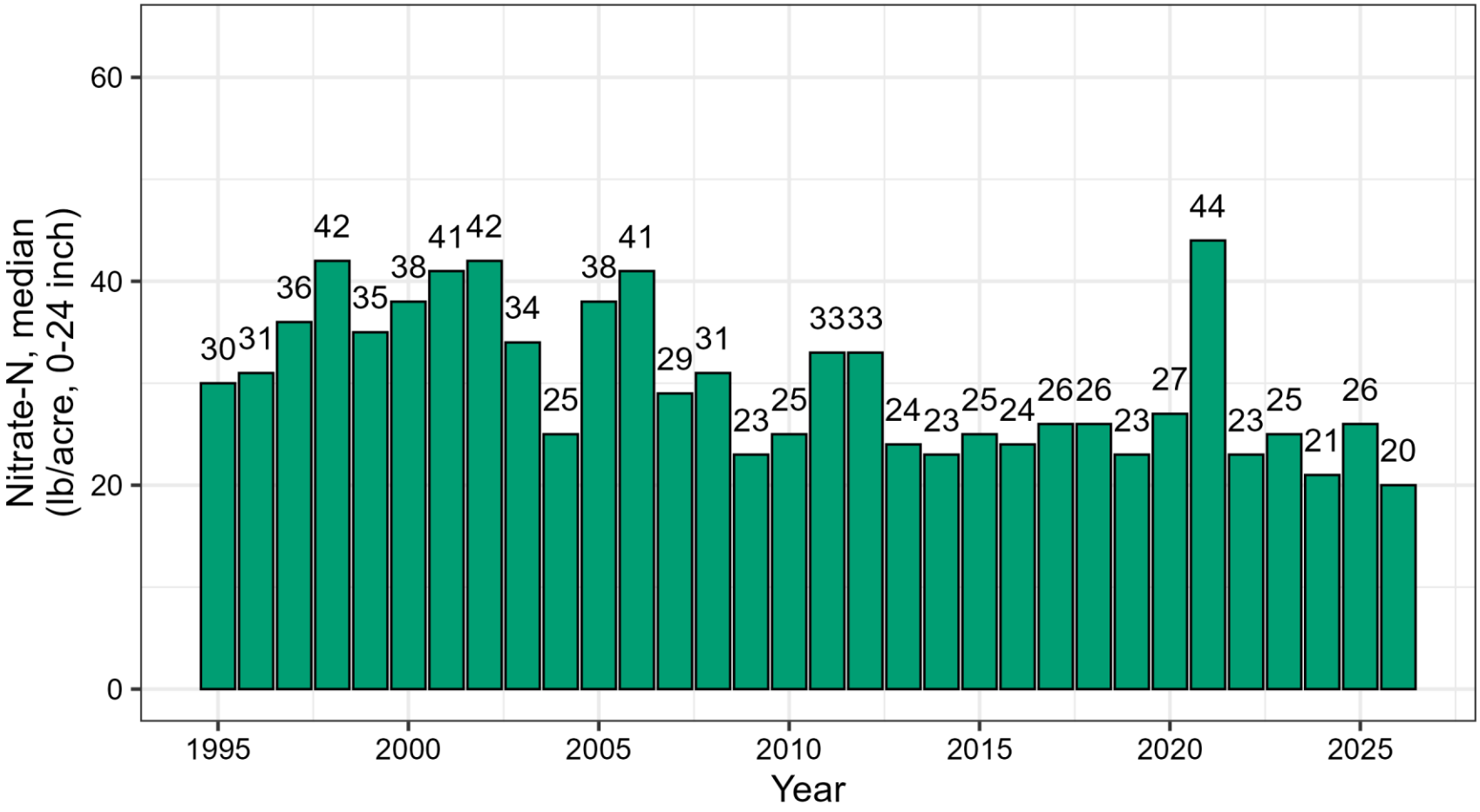
Data not shown where n< 100
AGVISE Laboratories, Inc.

Small grains and cereals

Barley, oat, wheat (all types), corn

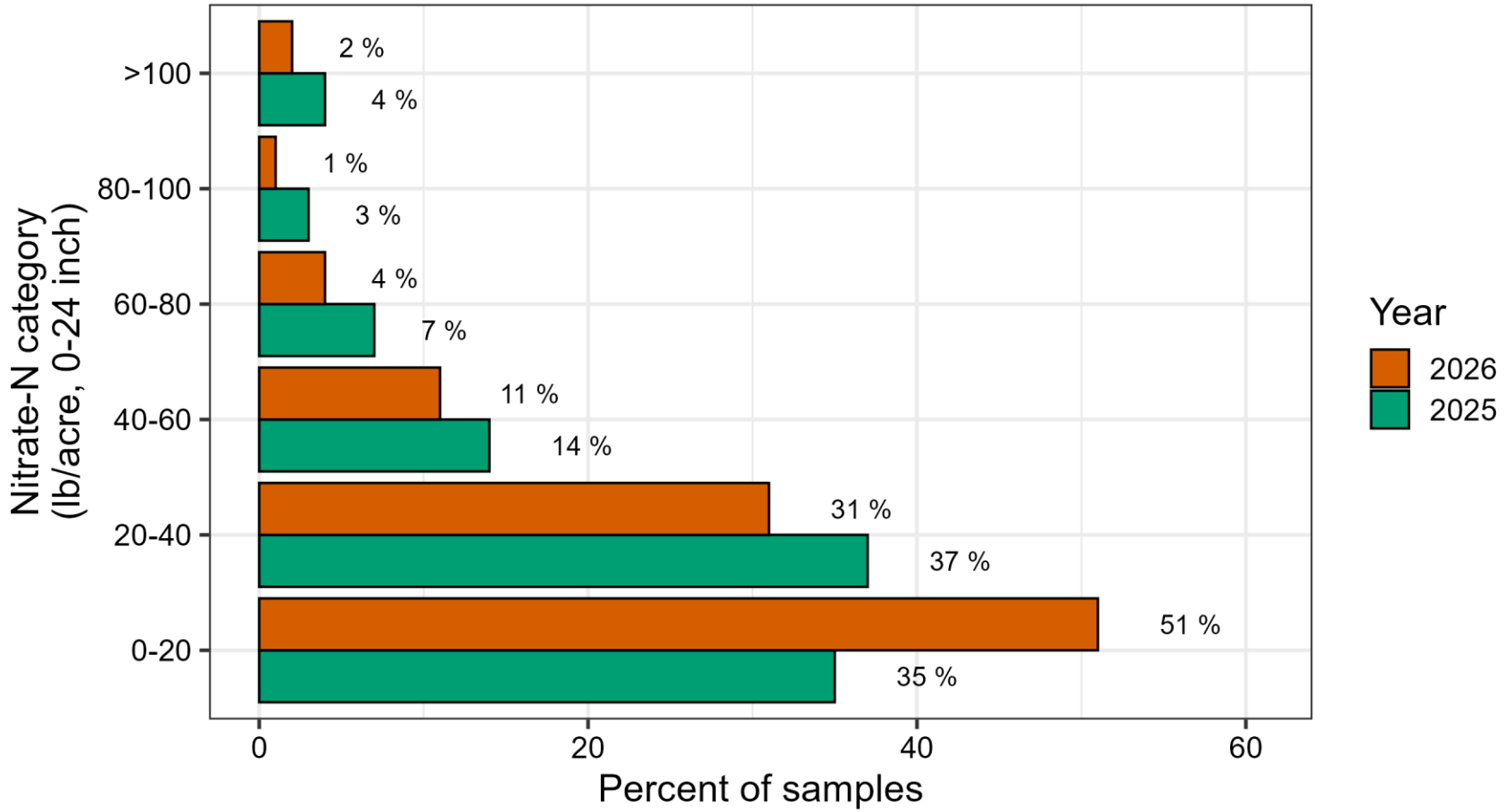
Residual nitrate following barley

Trend from 1995 to 2026



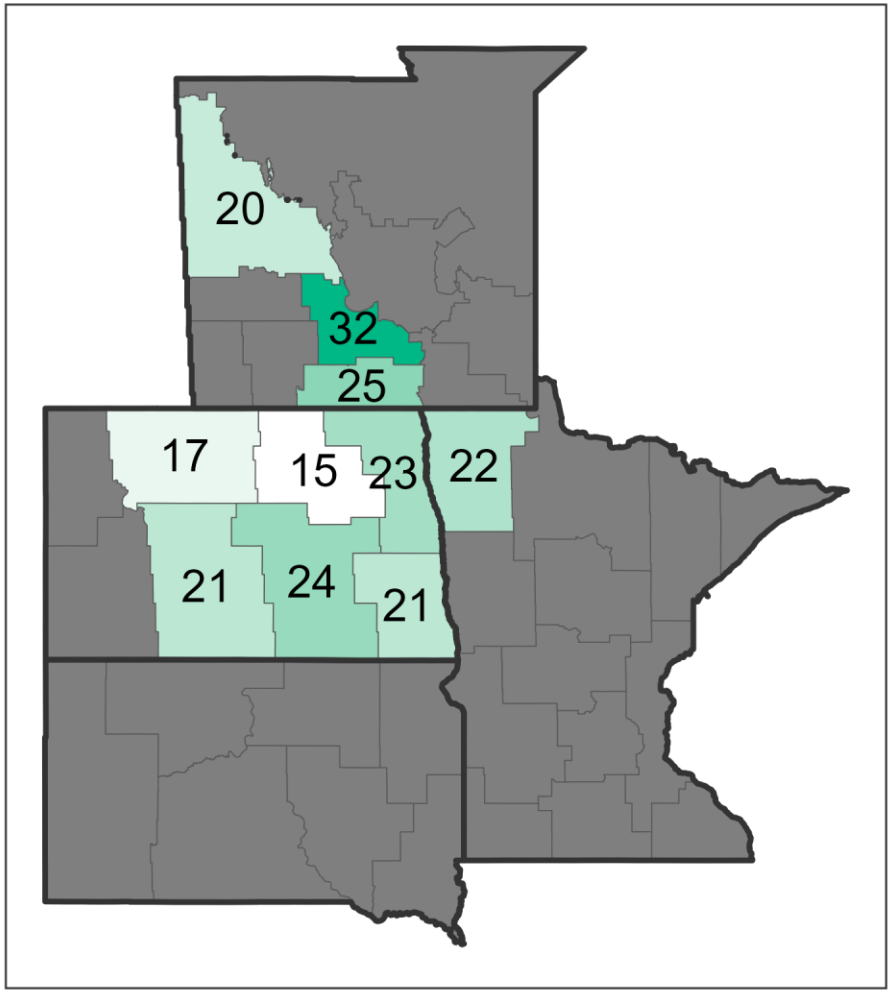
Data not shown where n< 100
AGVISE Laboratories, Inc.

Residual nitrate variability following barley in 2025 & 2026



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

Residual nitrate following barley in 2026



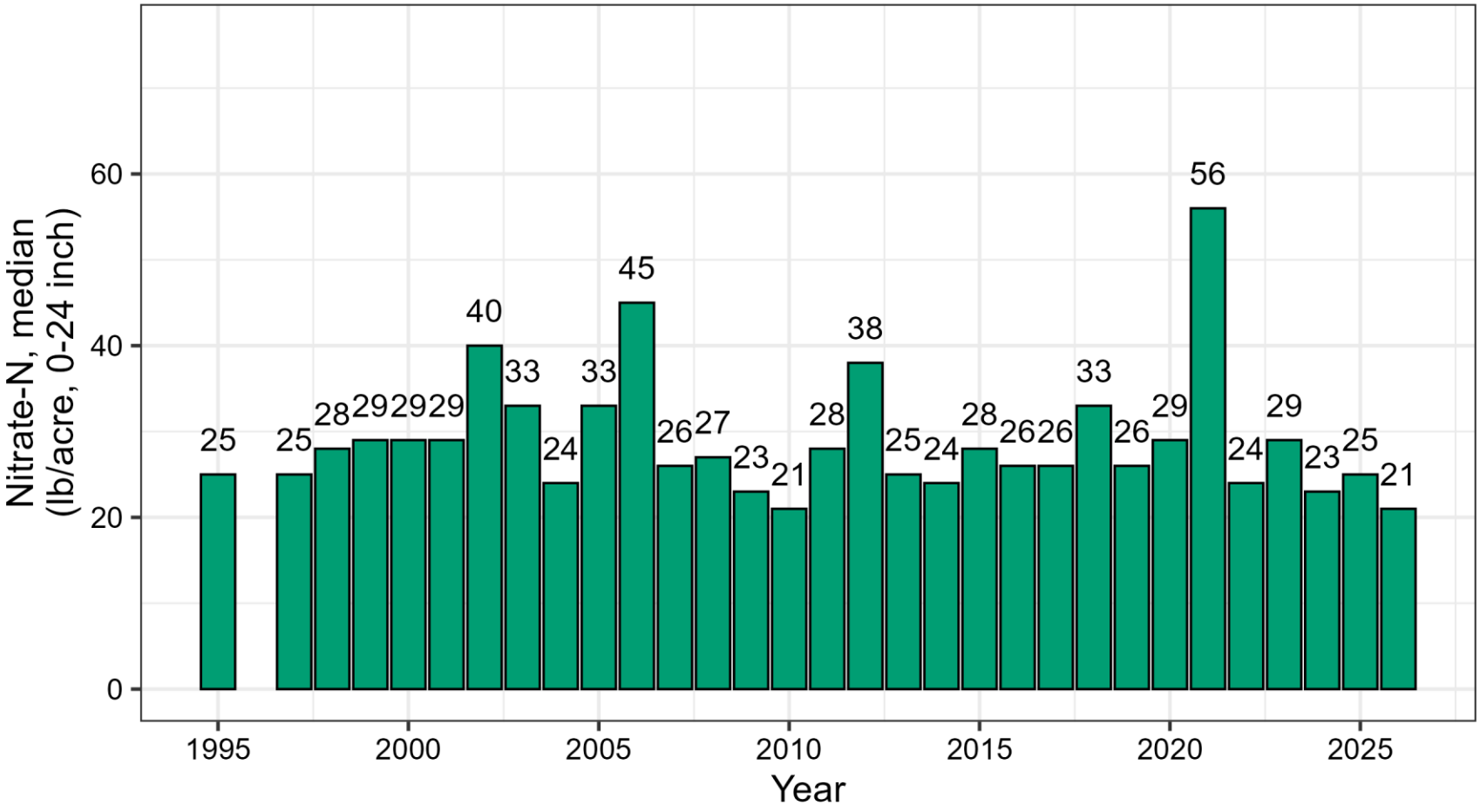
Nitrate-N, median
(lb/acre, 0-24 inch)

32
28
24
20
16

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

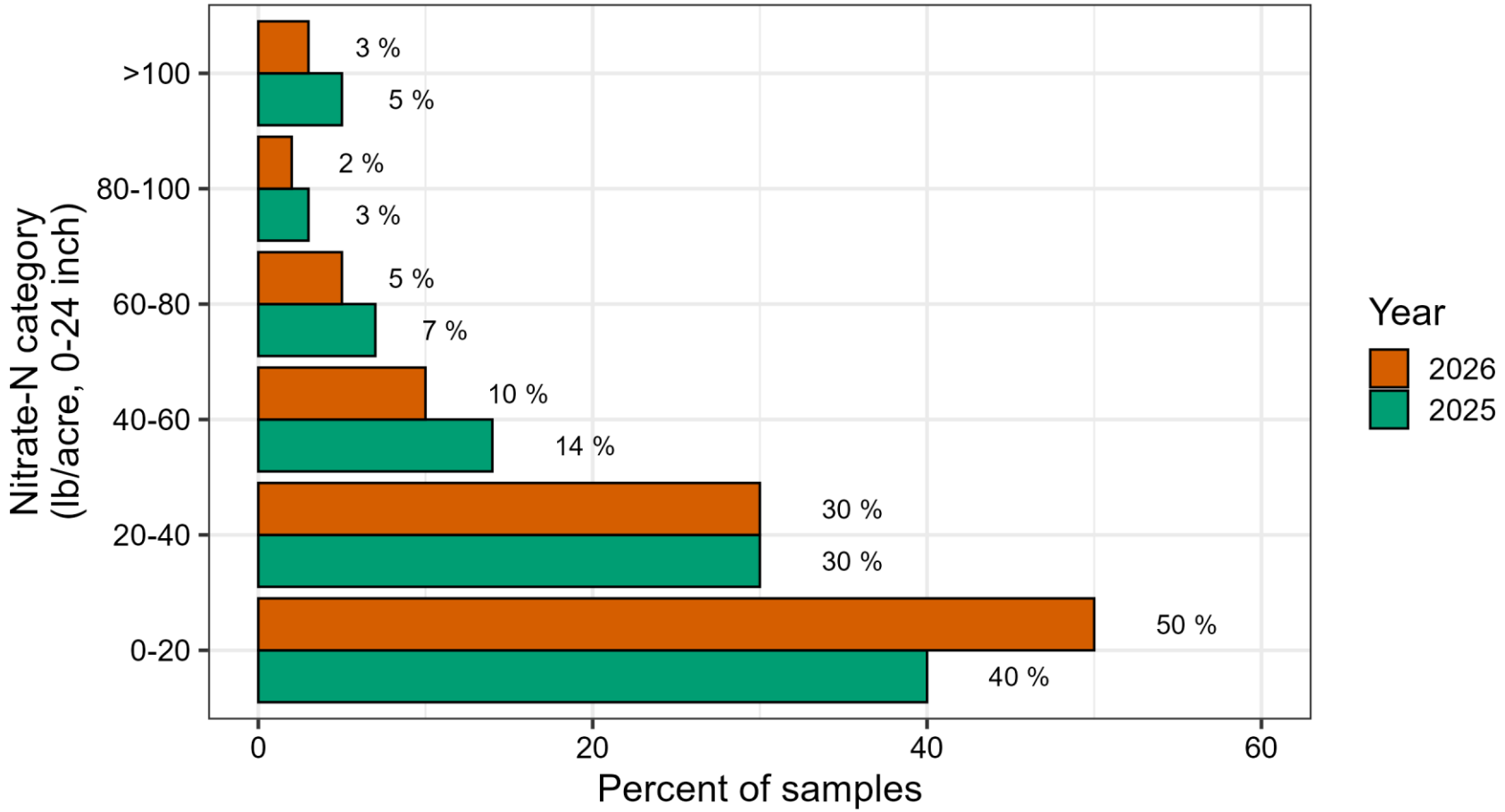
Residual nitrate following oat

Trend from 1995 to 2026



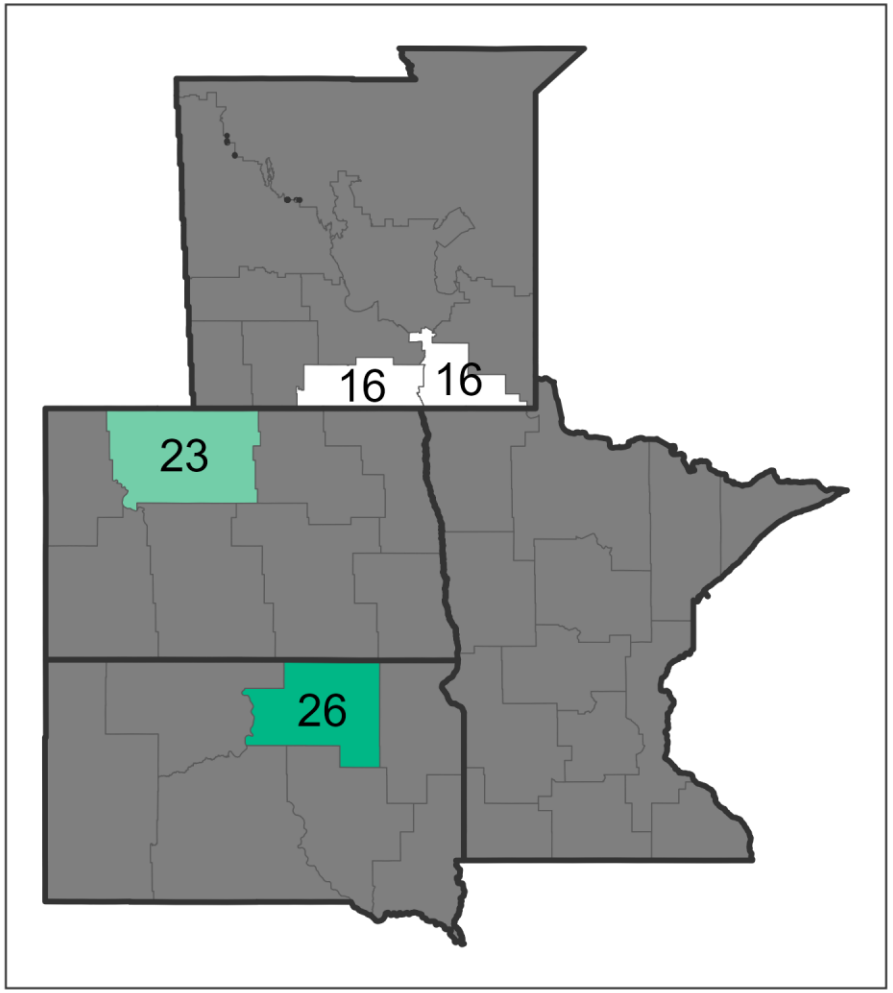
Data not shown where n< 100
AGVISE Laboratories, Inc.

Residual nitrate variability following oat in 2025 & 2026



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

Residual nitrate following oat in 2026



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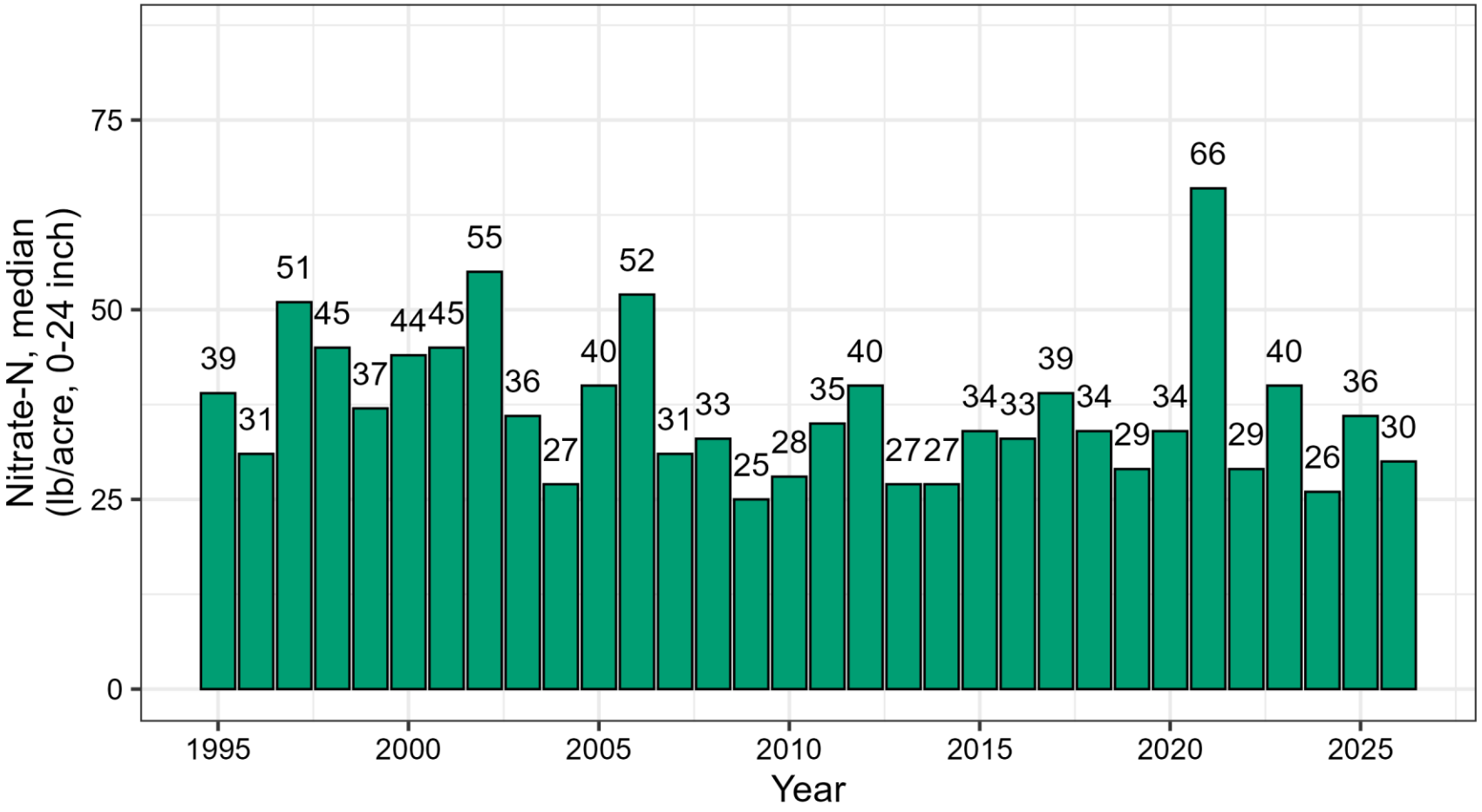
AGVISE Laboratories, Inc.

Residual nitrate following wheat

Trend from 1995 to 2026



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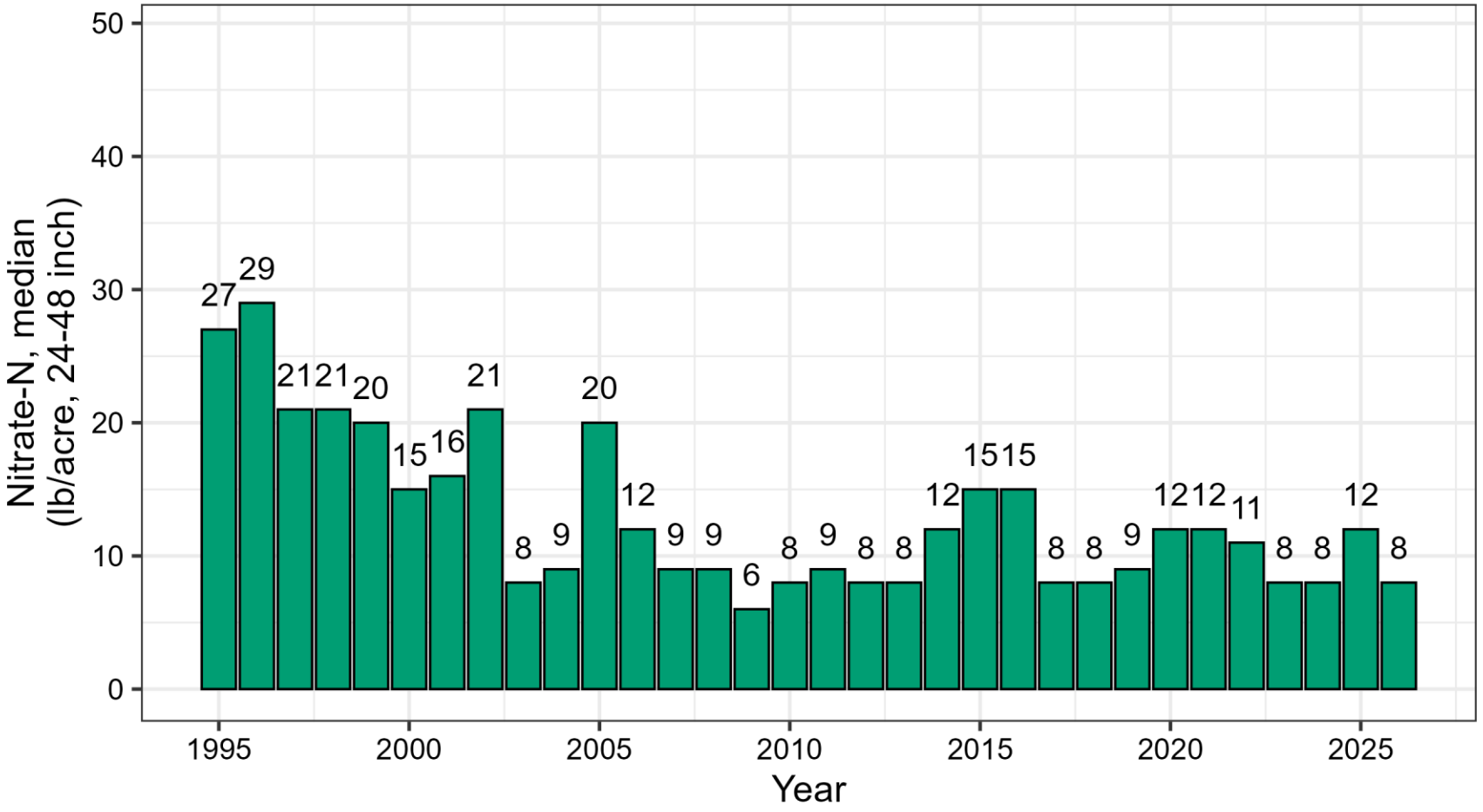
AGVISE Laboratories, Inc.

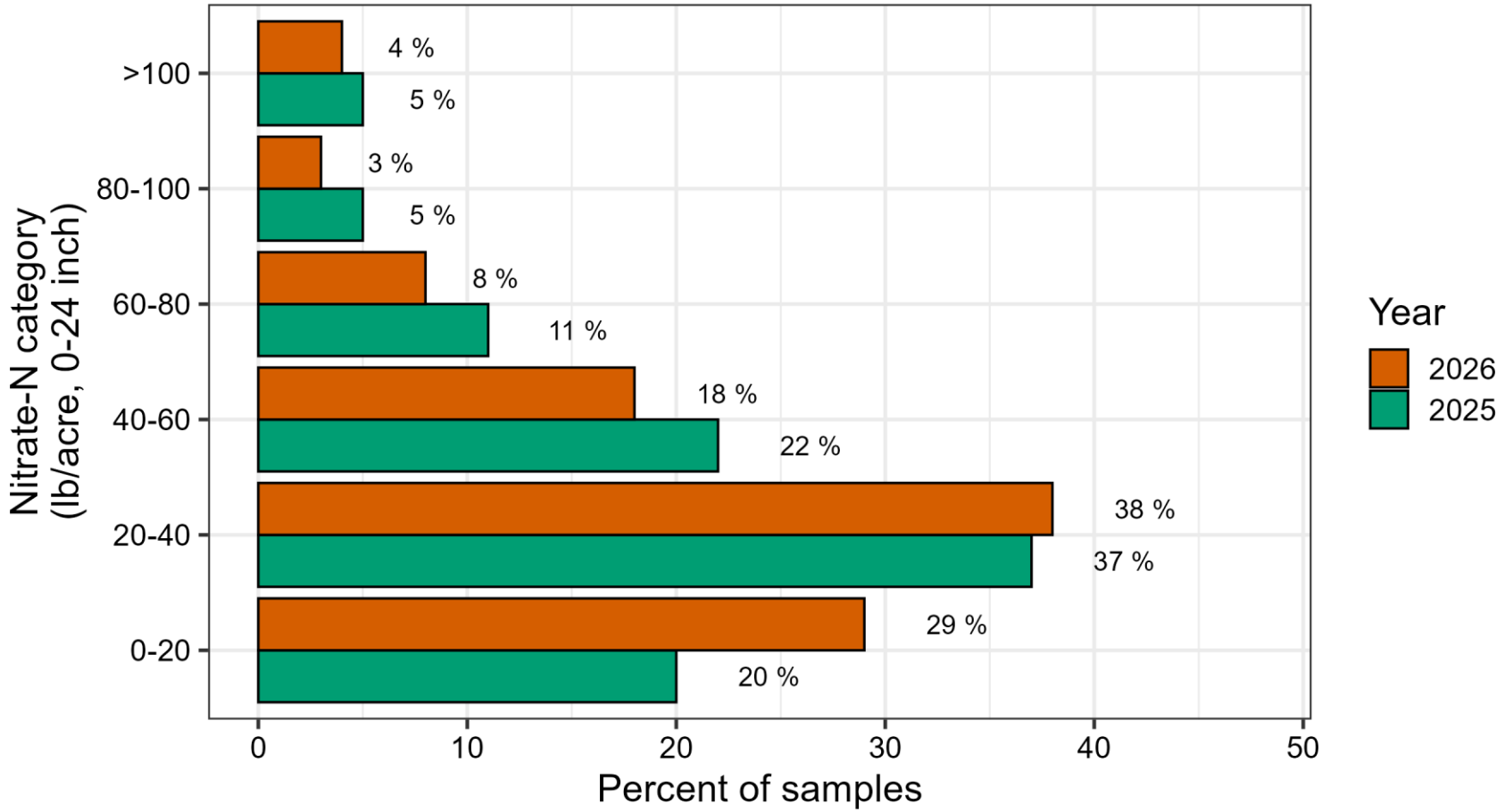
Residual deep nitrate following wheat

Trend from 1995 to 2026



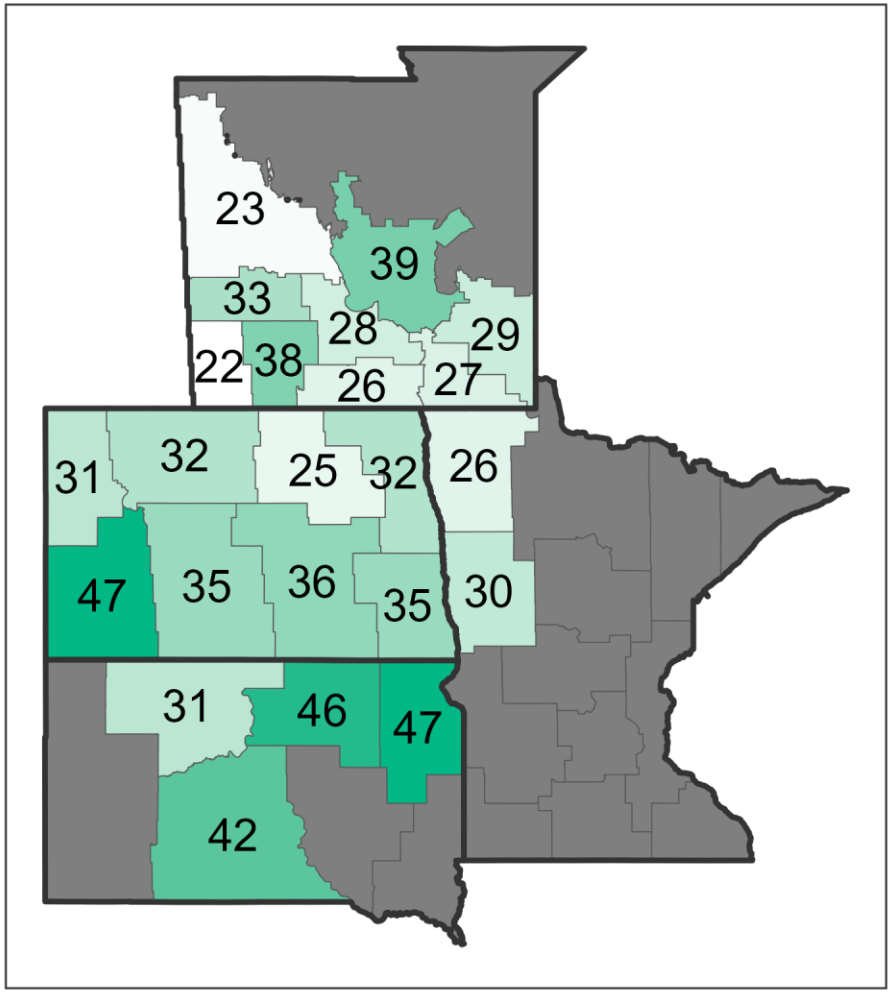
Data not shown where n< 100
AGVISE Laboratories, Inc.

Residual nitrate variability following wheat in 2025 & 2026



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

Residual nitrate following wheat in 2026



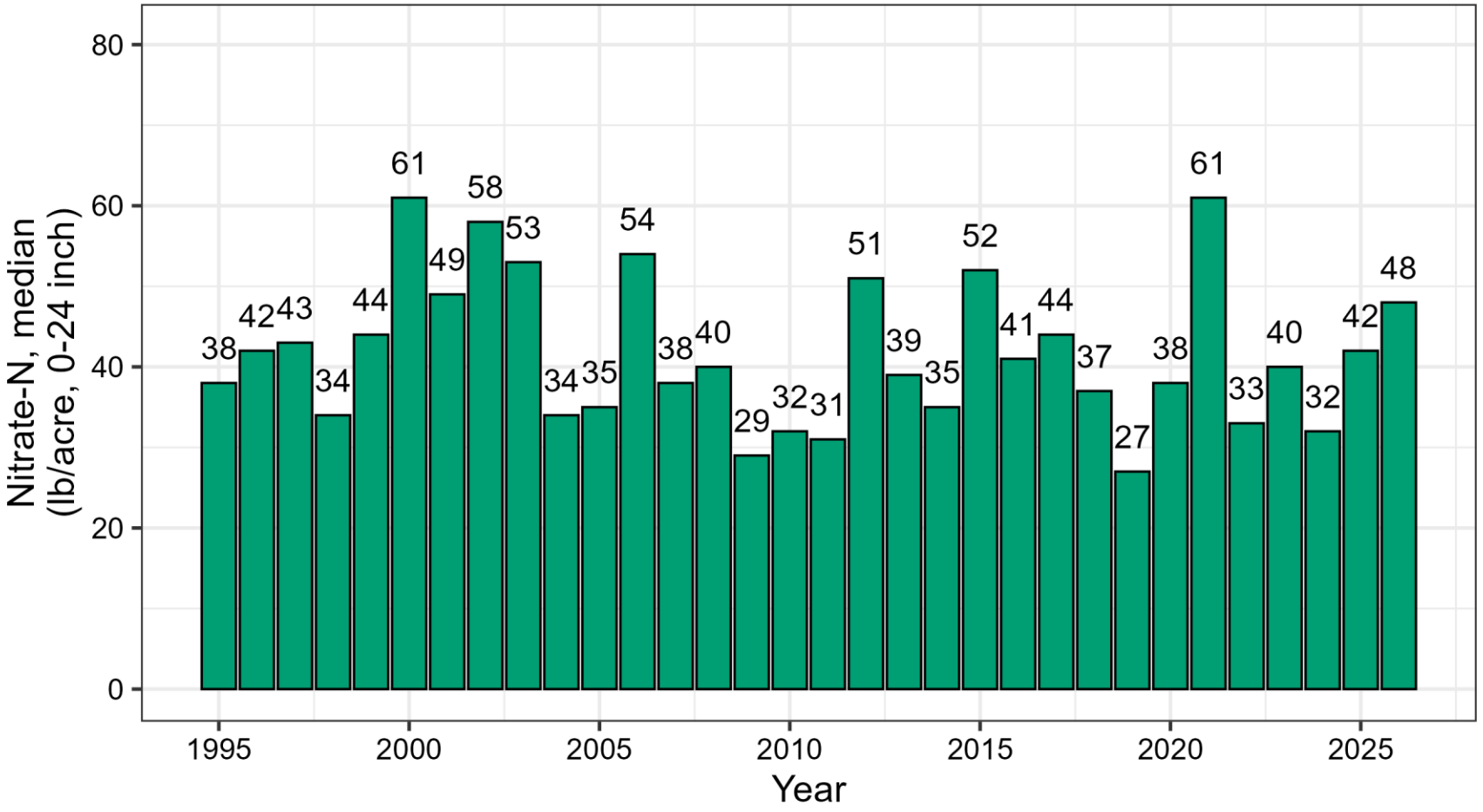
Nitrate-N, median
(lb/acre, 0-24 inch)

45
40
35
30
25

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

Residual nitrate following corn

Trend from 1995 to 2026



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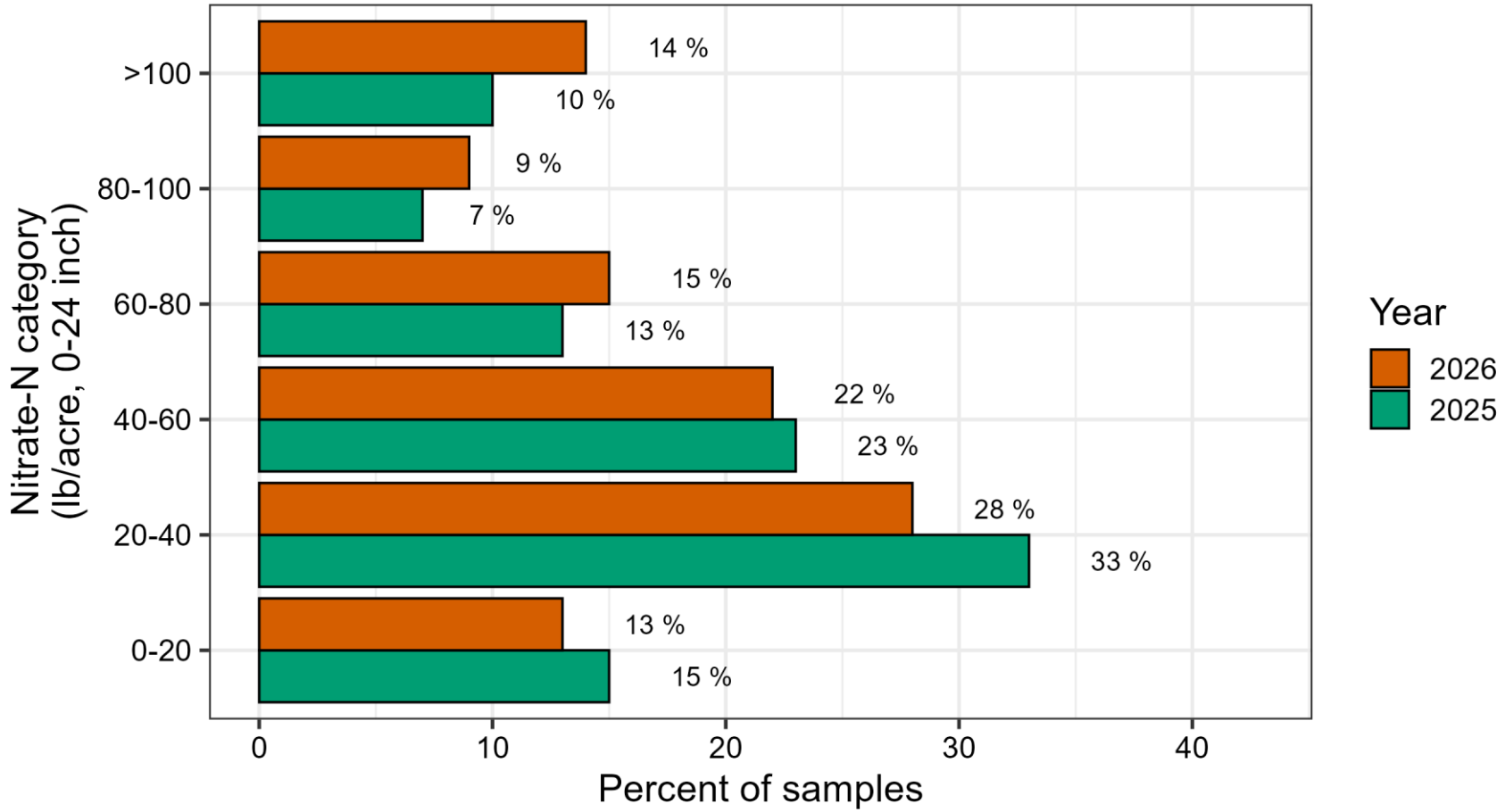
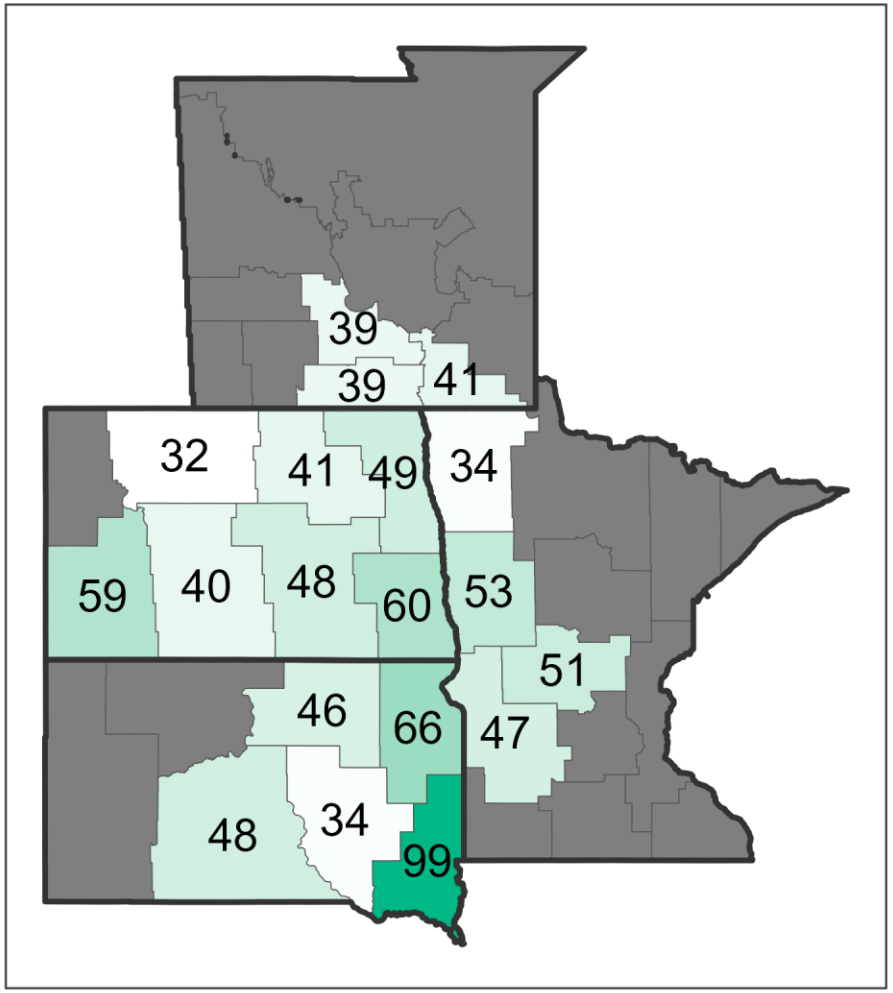
AGVISE Laboratories, Inc.

Residual nitrate variability following corn in 2025 & 2026



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

Residual nitrate following corn in 2026



Nitrate-N, median
(lb/acre, 0-24 inch)

80
60
40

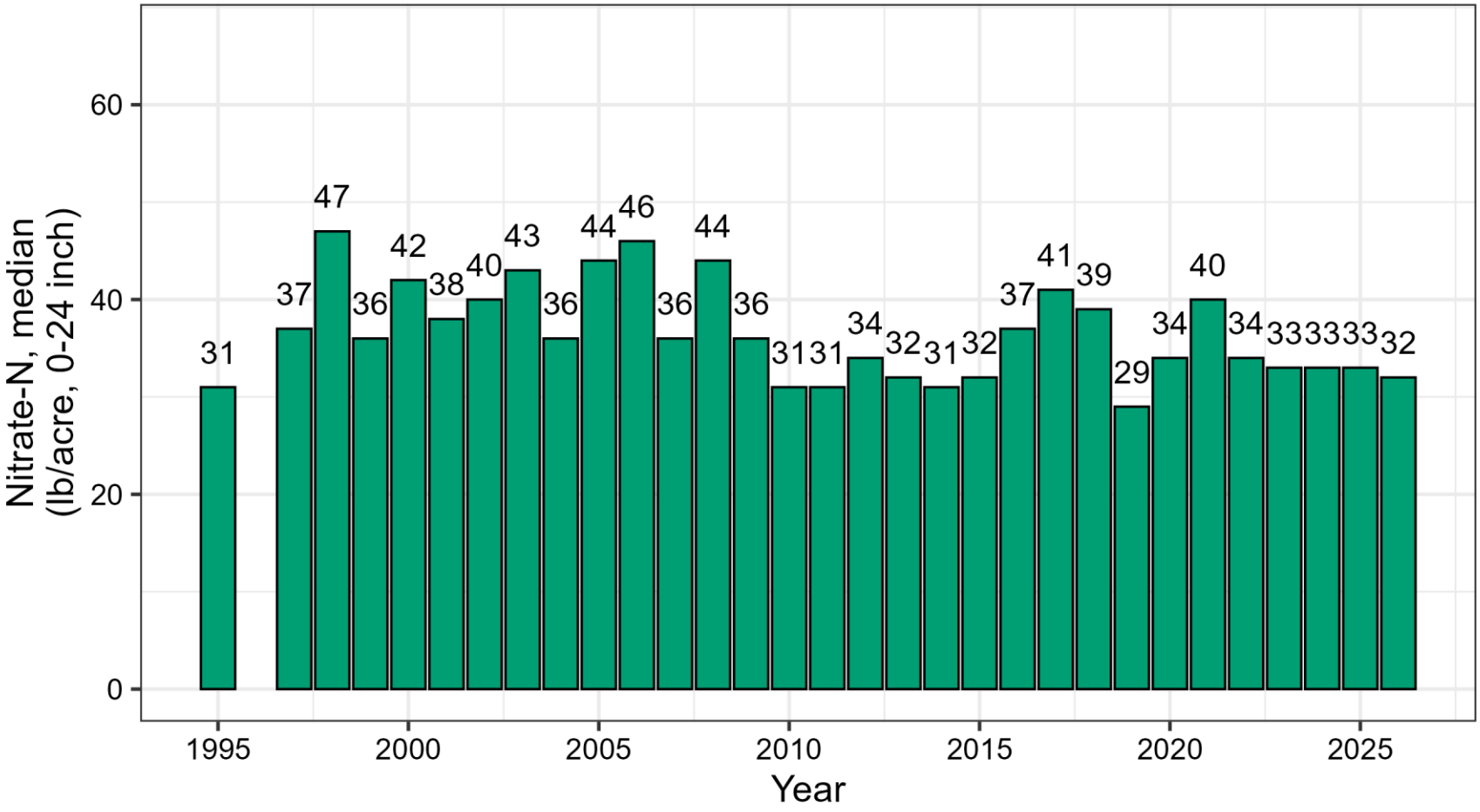
Data not shown where n< 100
AGVISE Laboratories, Inc.

Pulses and oilseeds

Pulses (chickpea, lentil, field pea), dry beans (all market classes), soybean, canola, sunflower

Residual nitrate following pulses

Trend from 1995 to 2026



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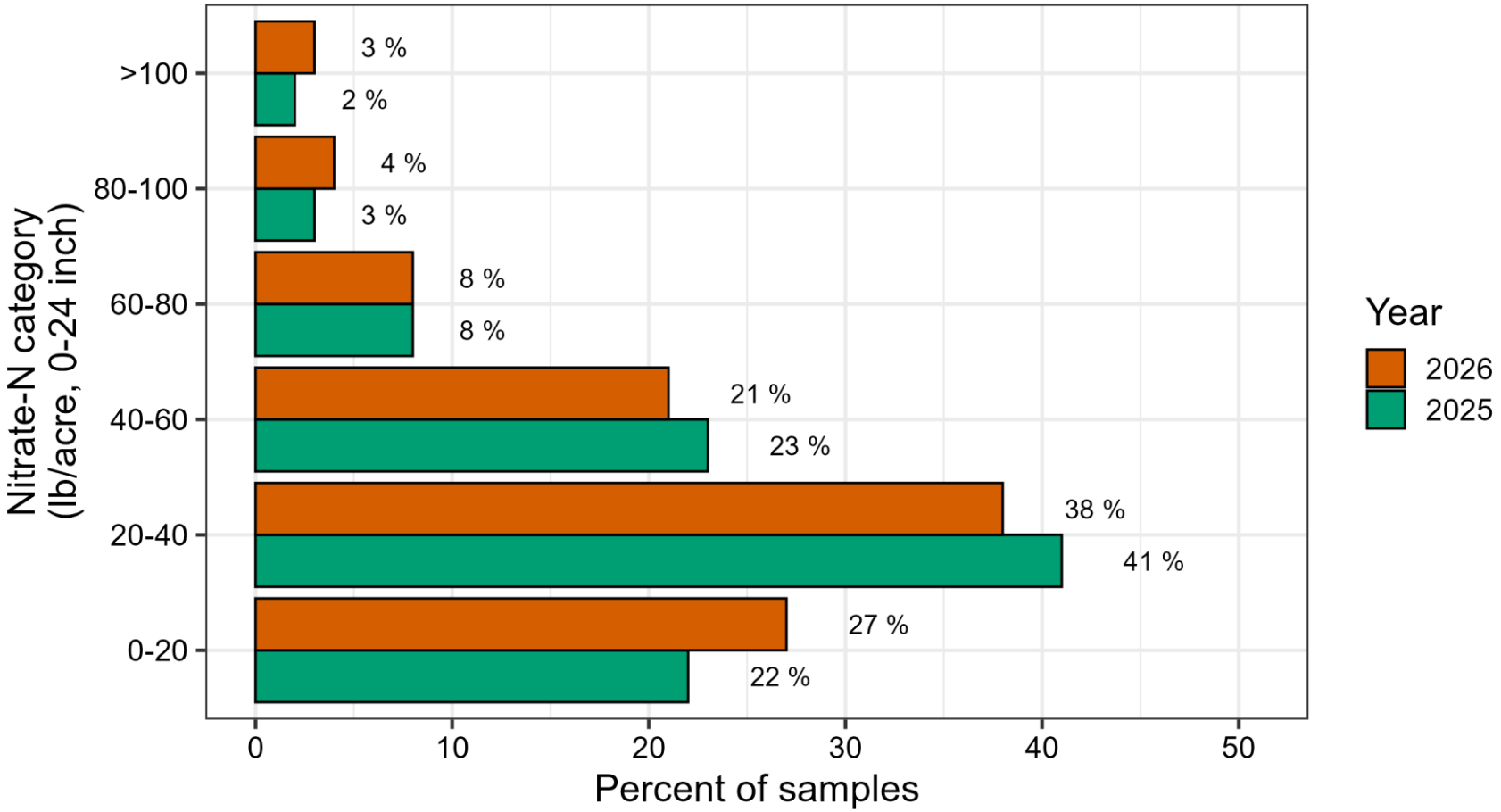
AGVISE Laboratories, Inc.

Residual nitrate variability following pulses in 2025 & 2026



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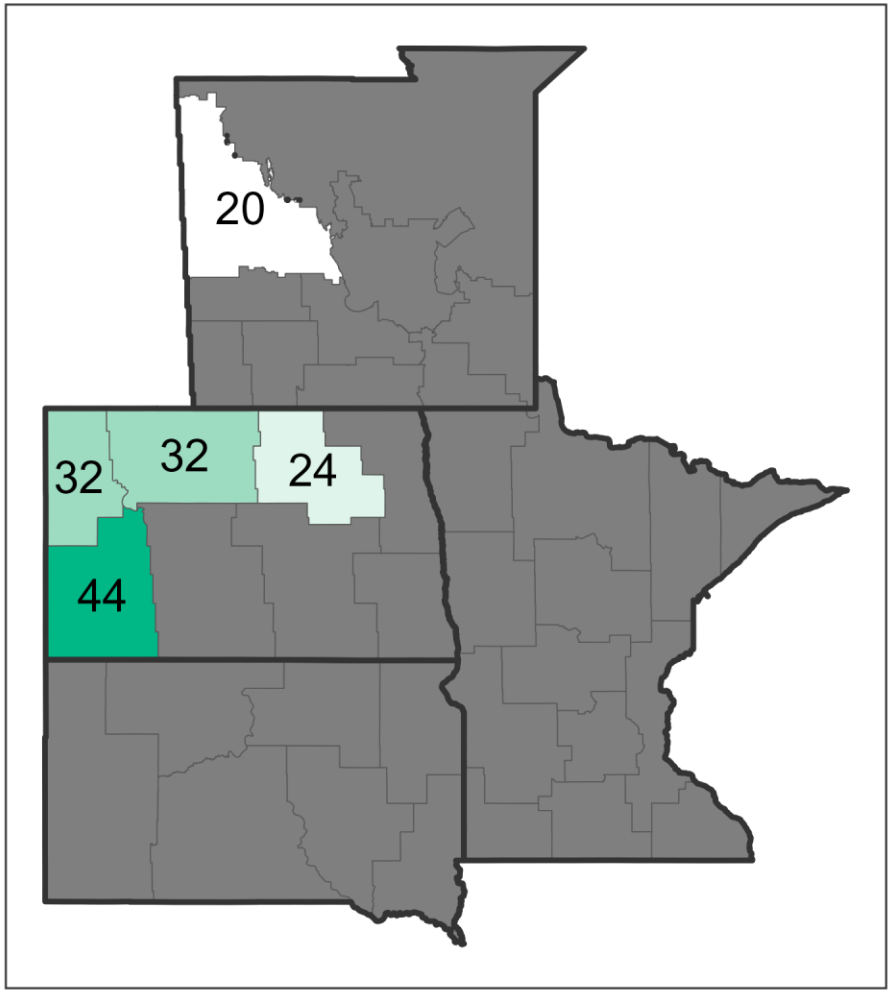
AGVISE Laboratories, Inc.

Residual nitrate following pulses in 2026



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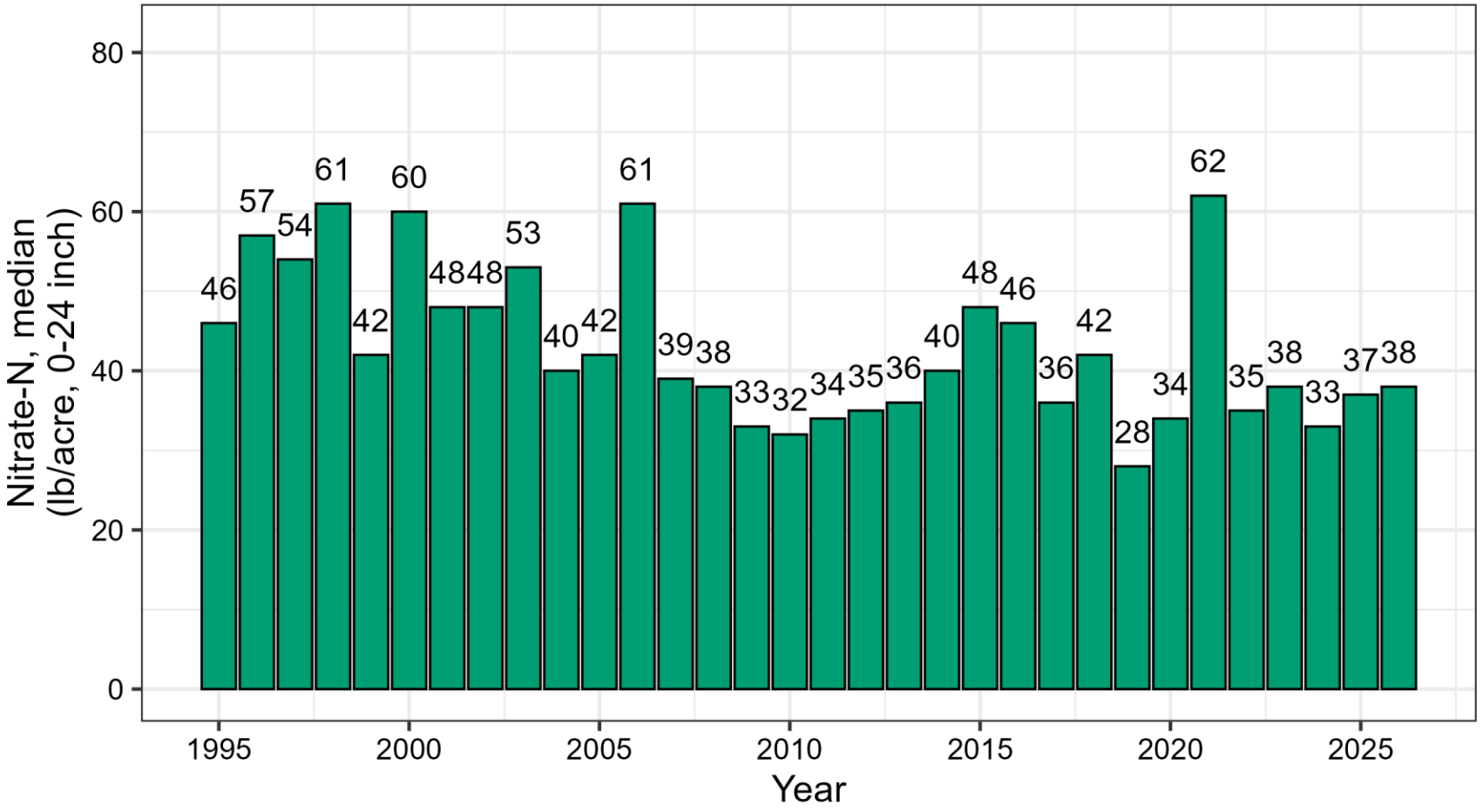
AGVISE Laboratories, Inc.

Residual nitrate following dry bean

Trend from 1995 to 2026



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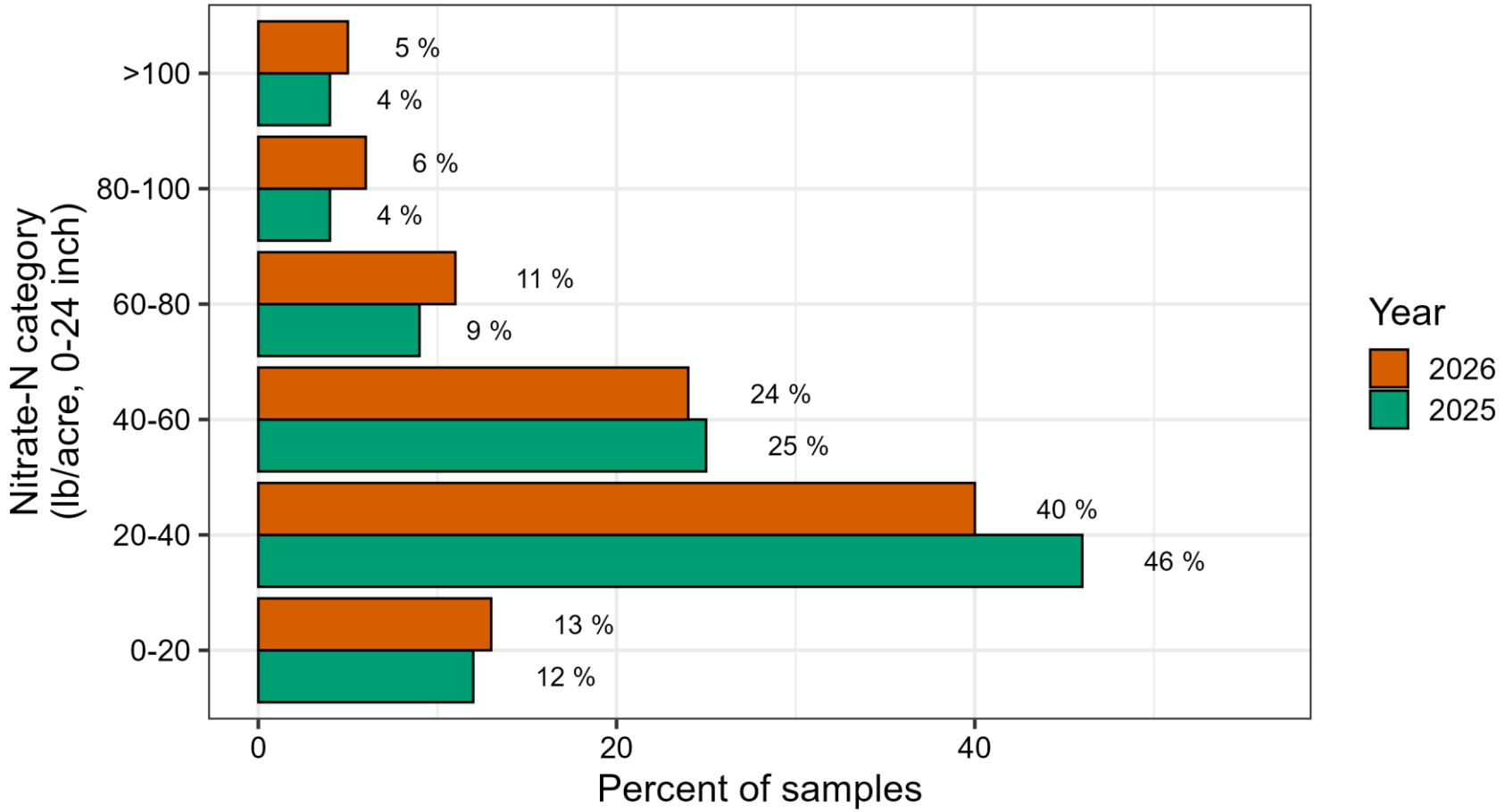
AGVISE Laboratories, Inc.

Residual nitrate variability following dry bean in 2025 & 2026



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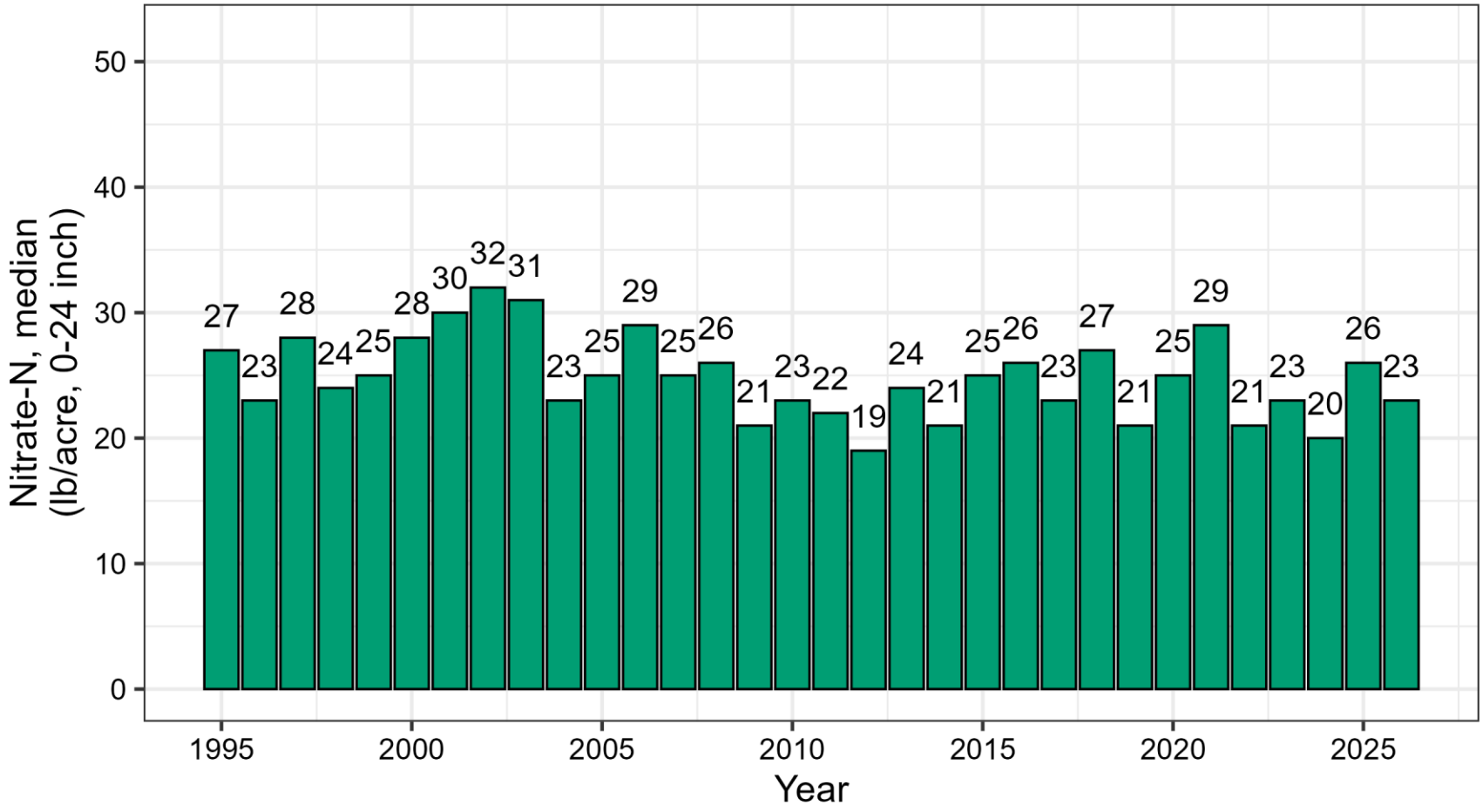
AGVISE Laboratories, Inc.

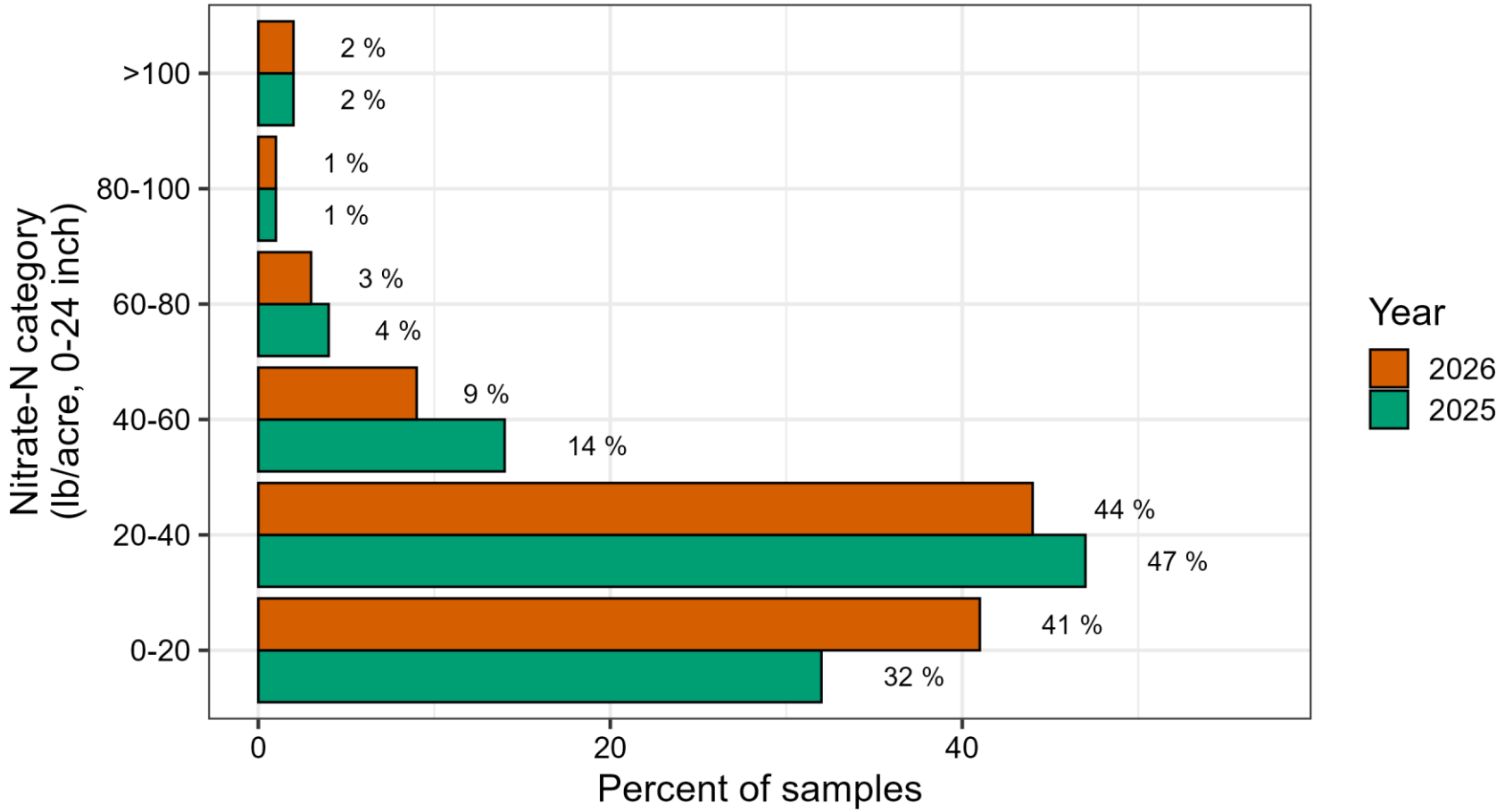
Residual nitrate following soybean

Trend from 1995 to 2026



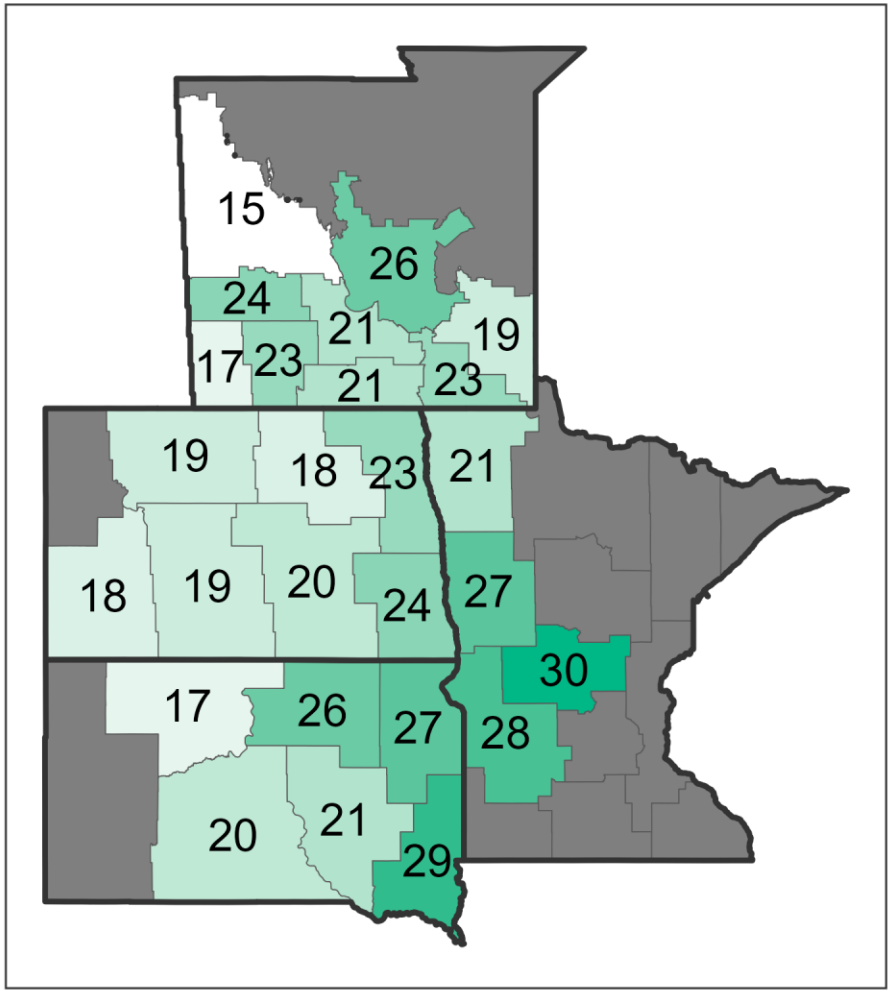
Data not shown where n< 100
AGVISE Laboratories, Inc.

Residual nitrate variability following soybean in 2025 & 2026



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

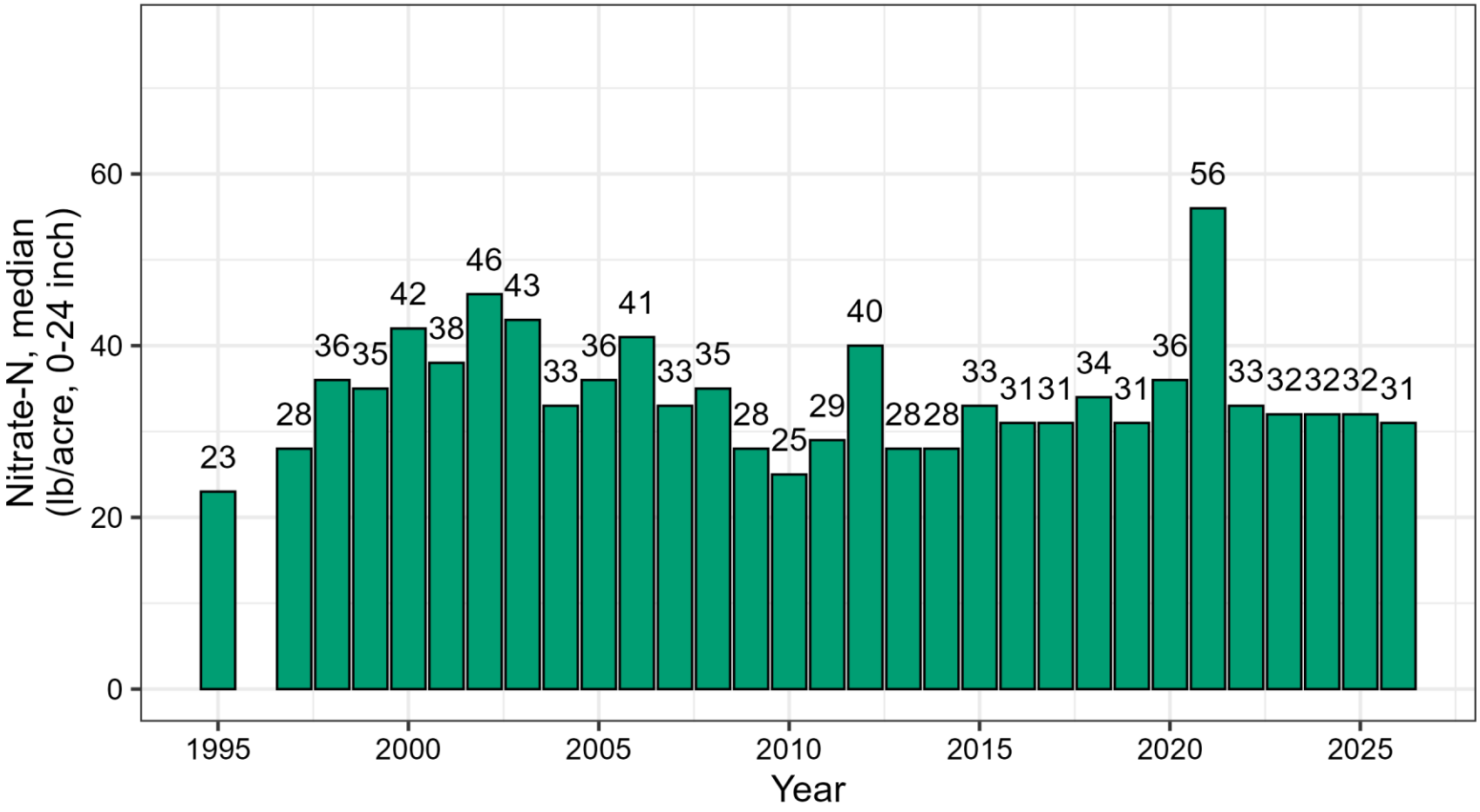
Residual nitrate following soybean in 2026



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

Residual nitrate following canola

Trend from 1995 to 2026



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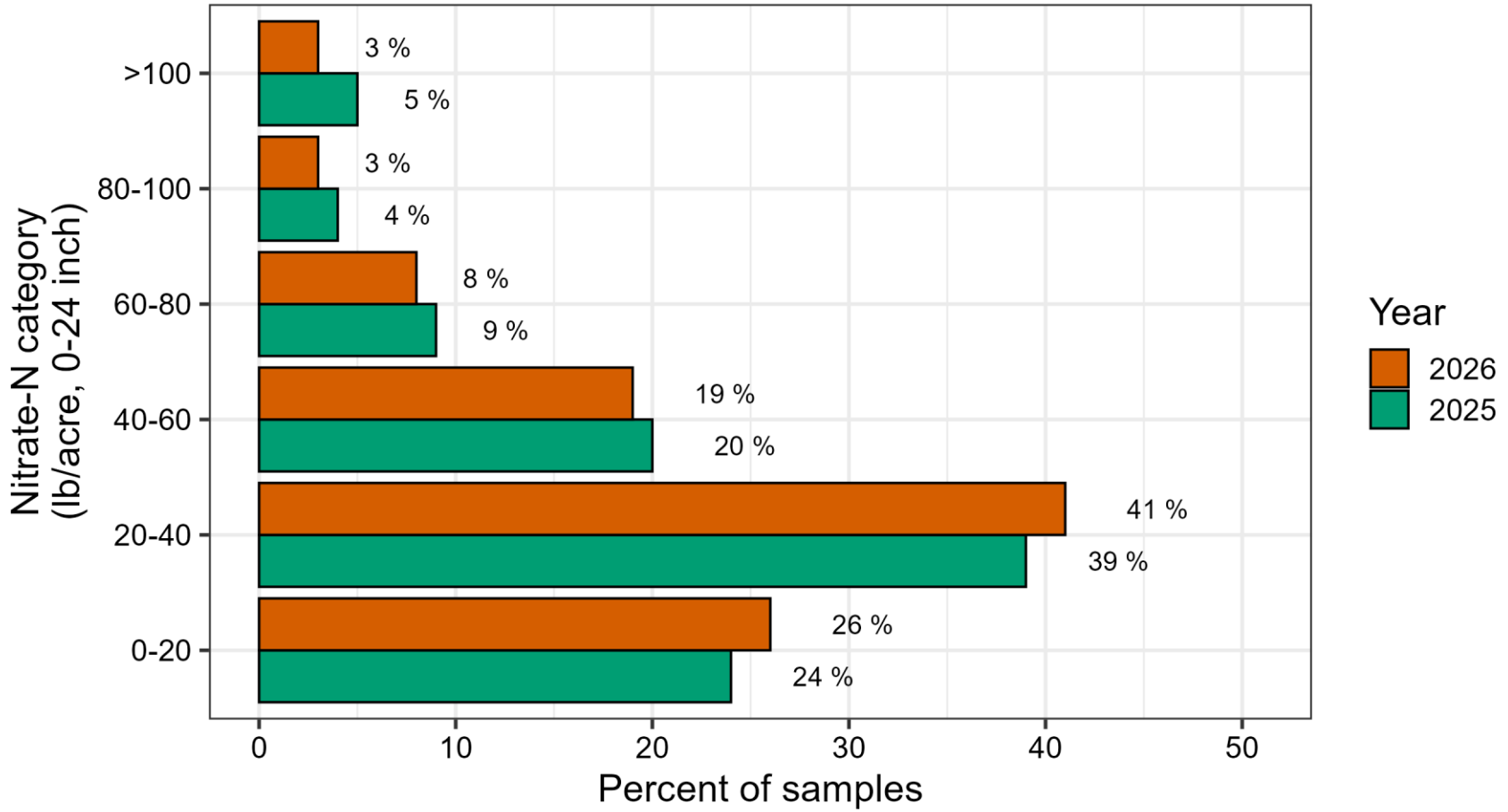
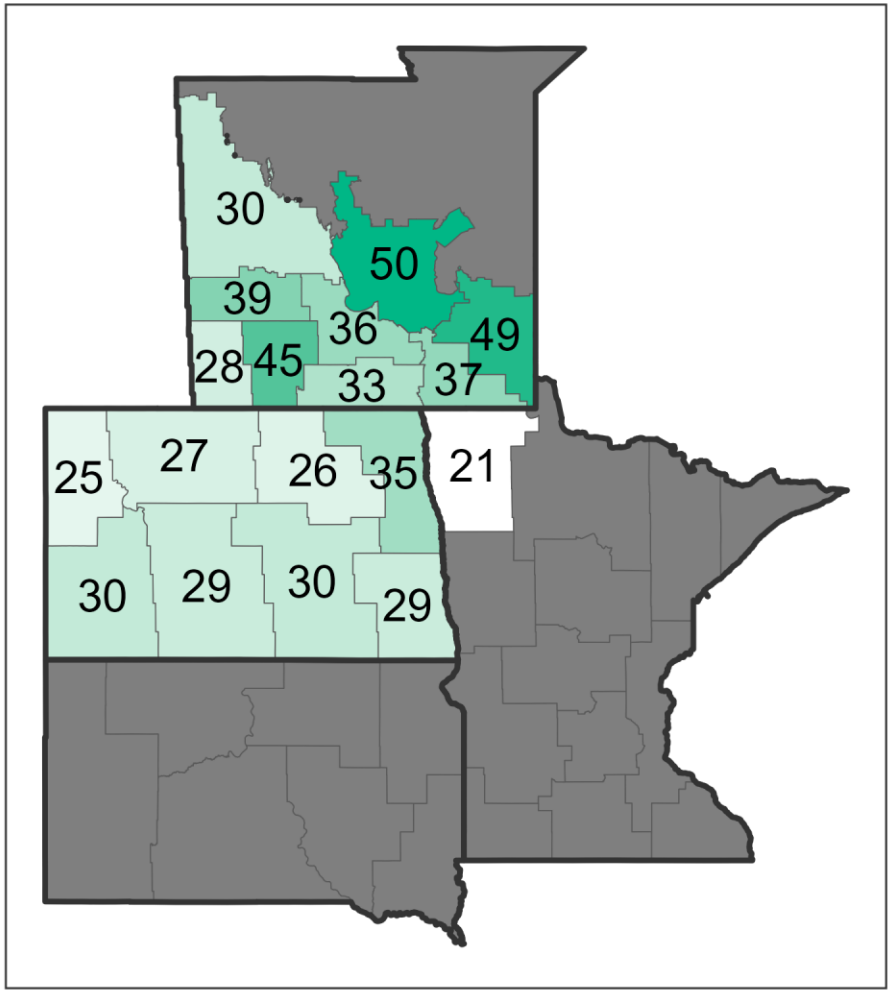
AGVISE Laboratories, Inc.

Residual nitrate variability following canola in 2025 & 2026



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

Residual nitrate following canola in 2026



Nitrate-N, median
(lb/acre, 0-24 inch)

50

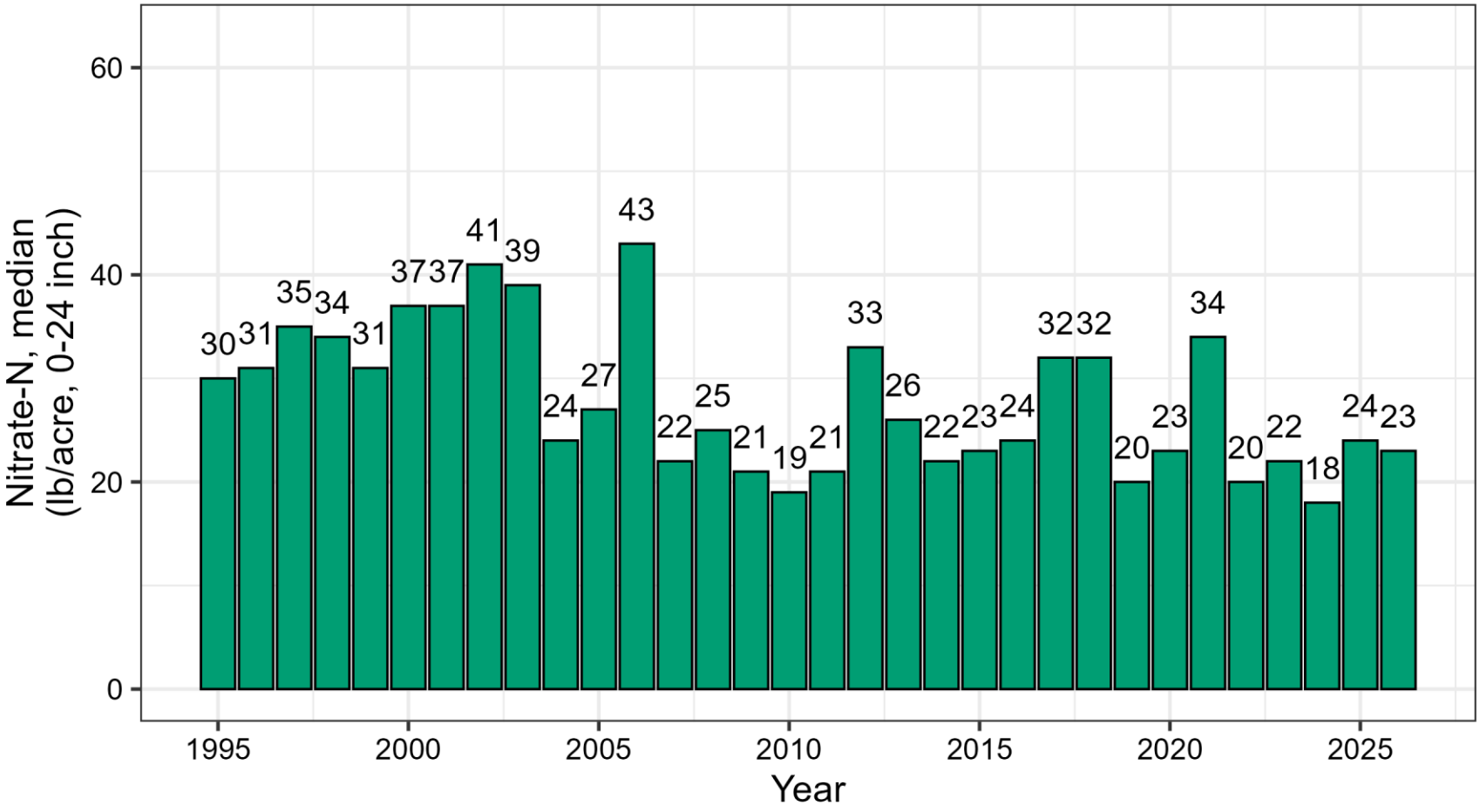
40

30

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

Residual nitrate following sunflower

Trend from 1995 to 2026



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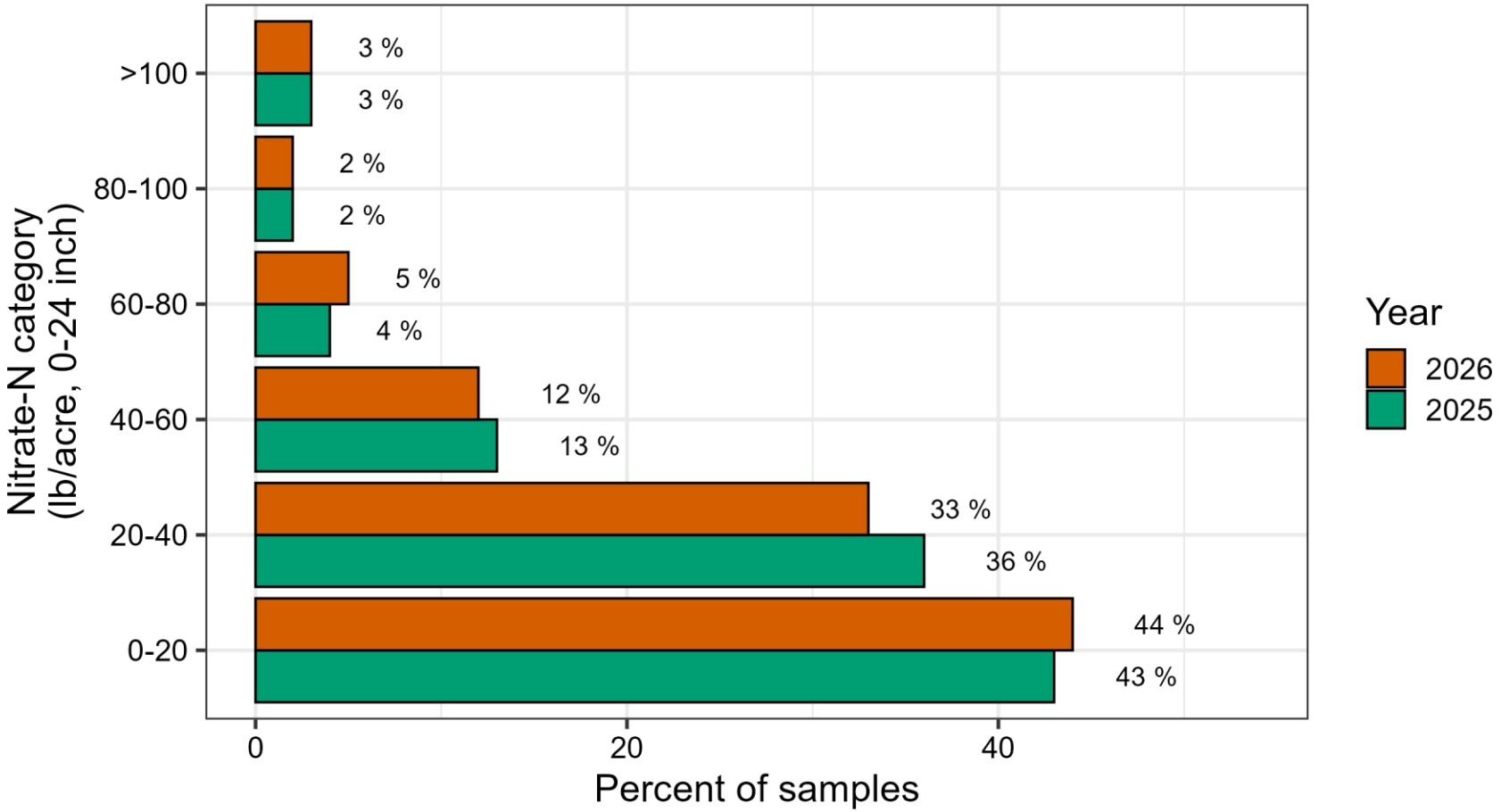
AGVISE Laboratories, Inc.

Residual nitrate variability following sunflower in 2025 & 2026



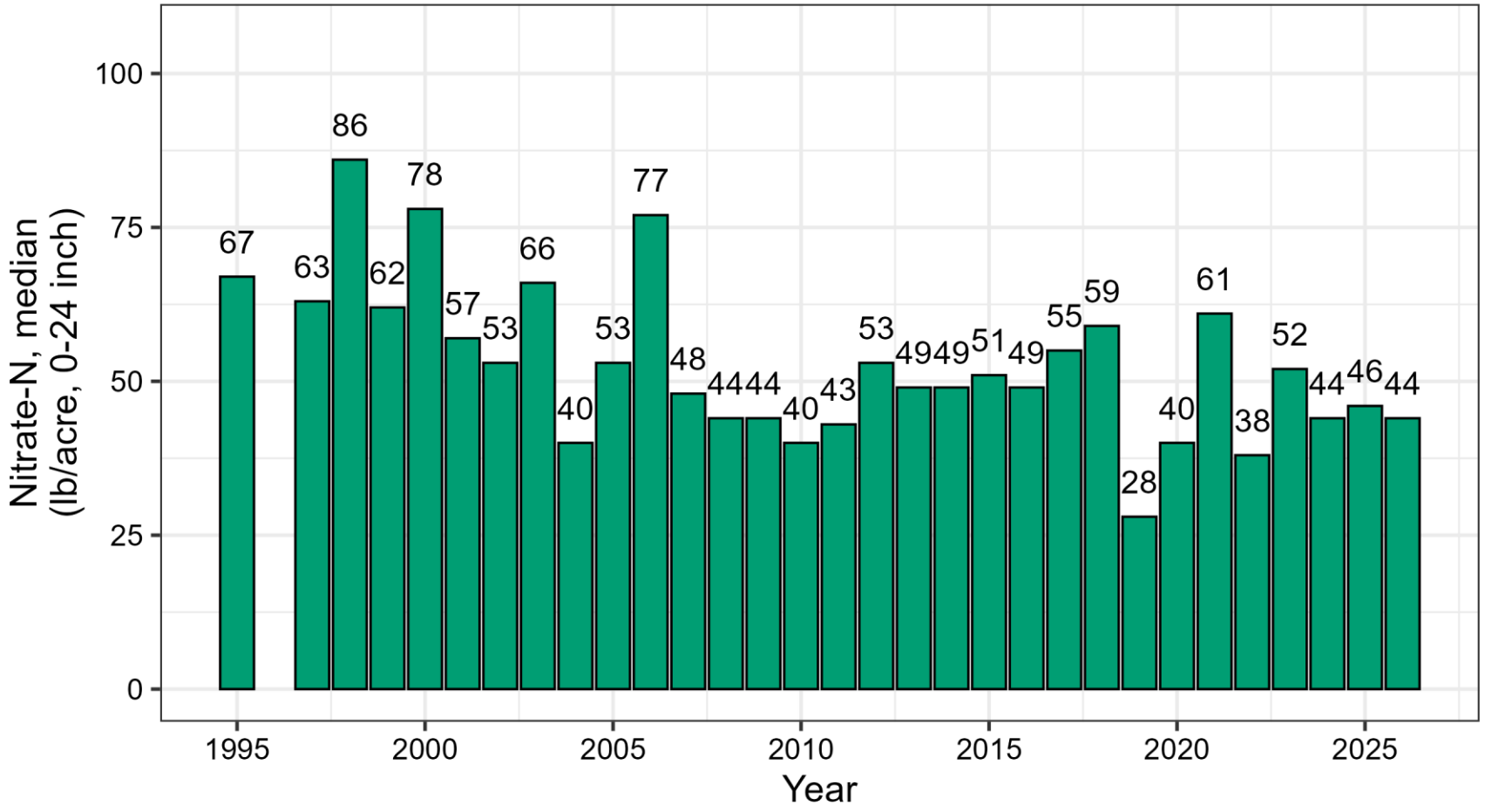
Data not shown where n< 100
AGVISE Laboratories, Inc.

Root and tuber crops

Potato, sugar beet

Residual nitrate following potato

Trend from 1995 to 2026



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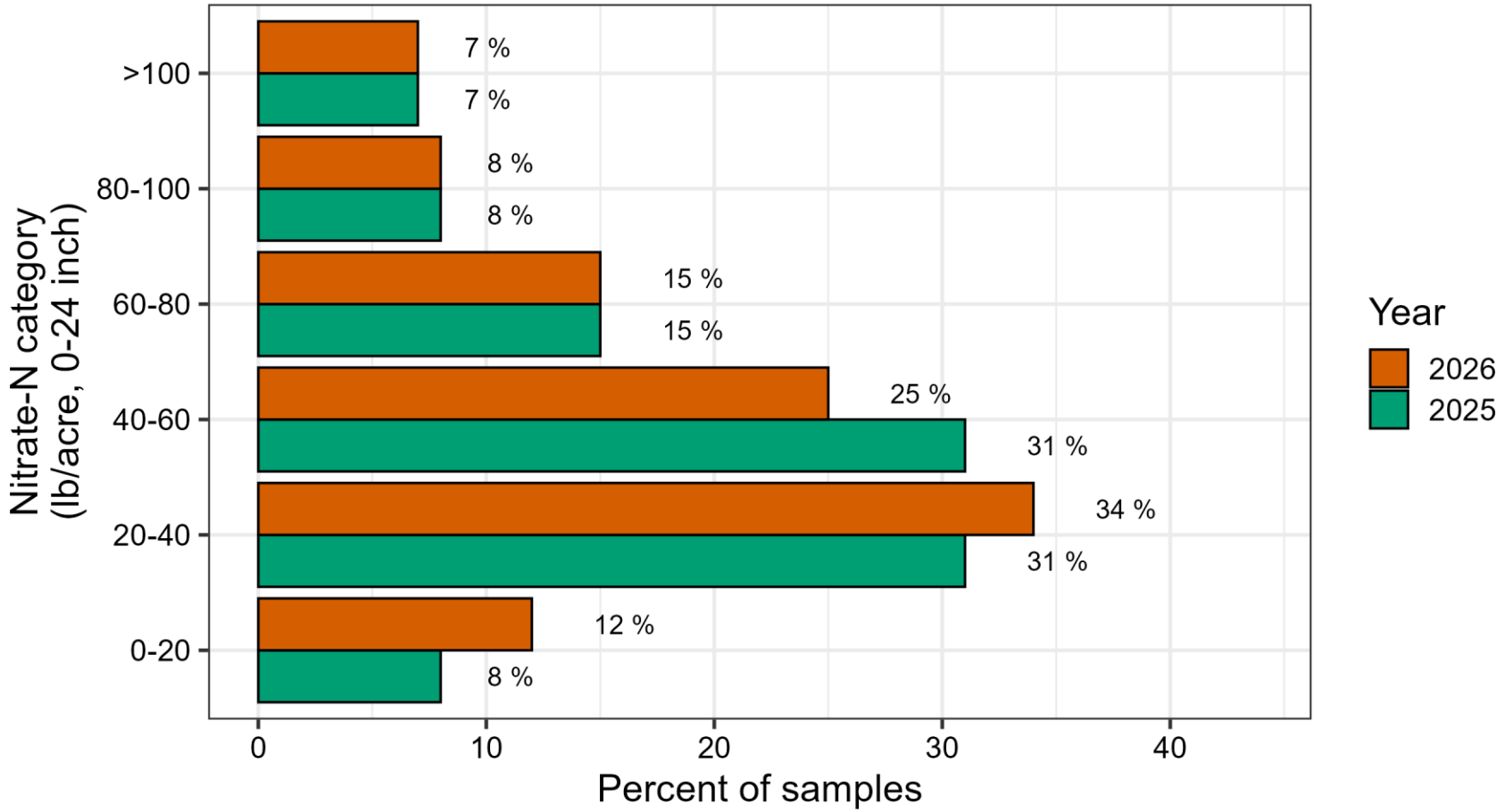
AGVISE Laboratories, Inc.

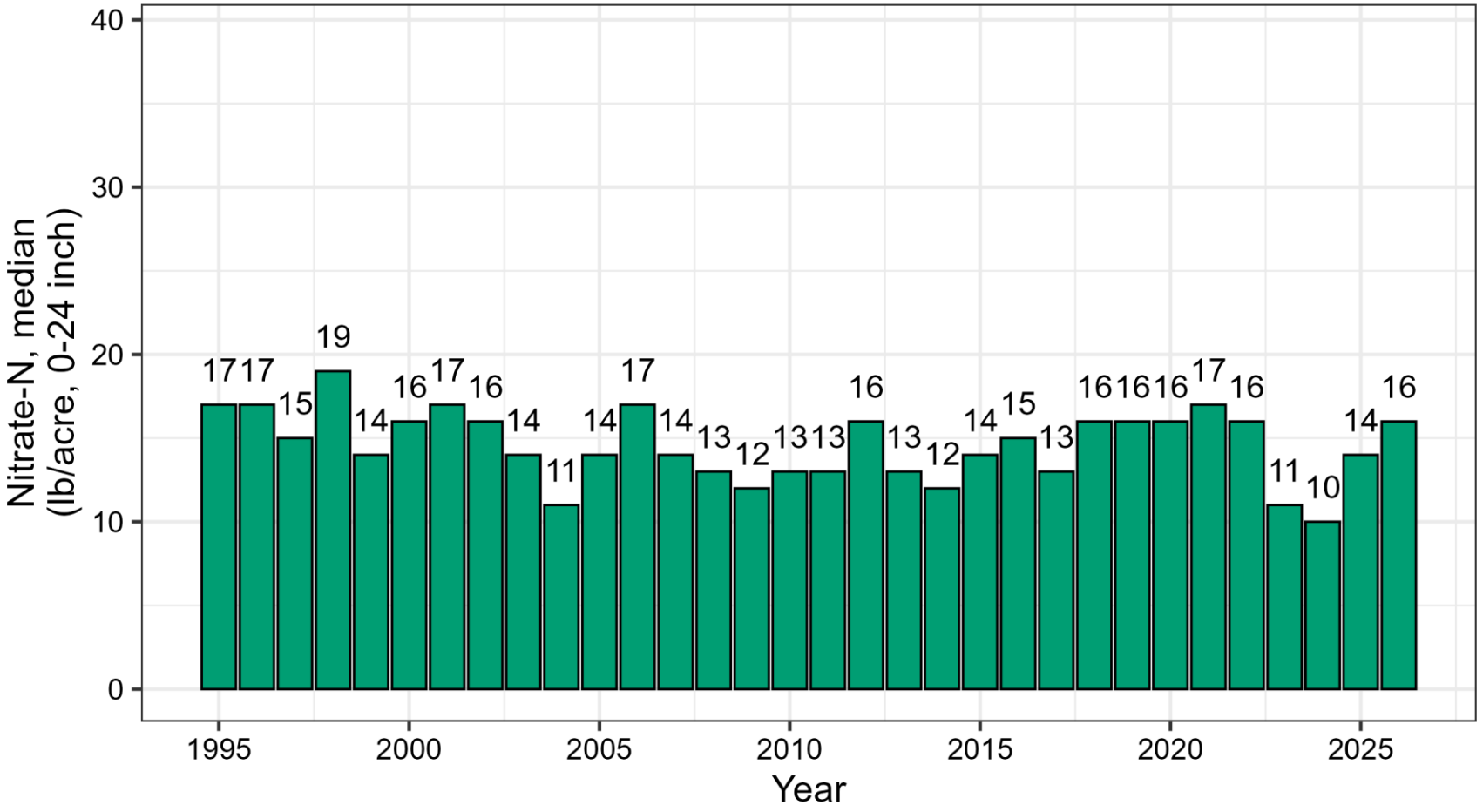
Residual nitrate variability following potato in 2025 & 2026



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

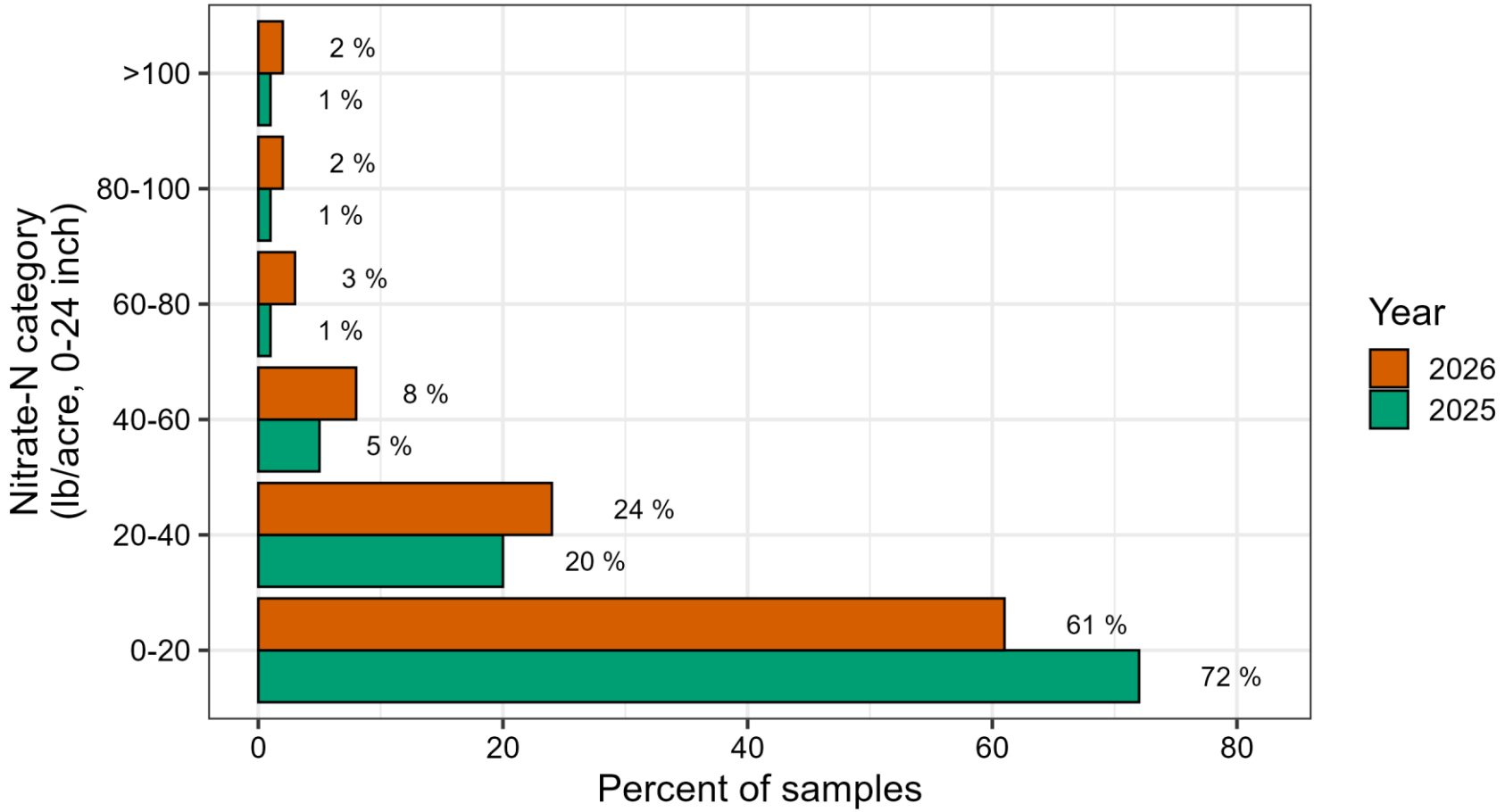
Residual nitrate following sugarbeet

Trend from 1995 to 2026



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

Residual nitrate variability following sugarbeet in 2025 & 2026

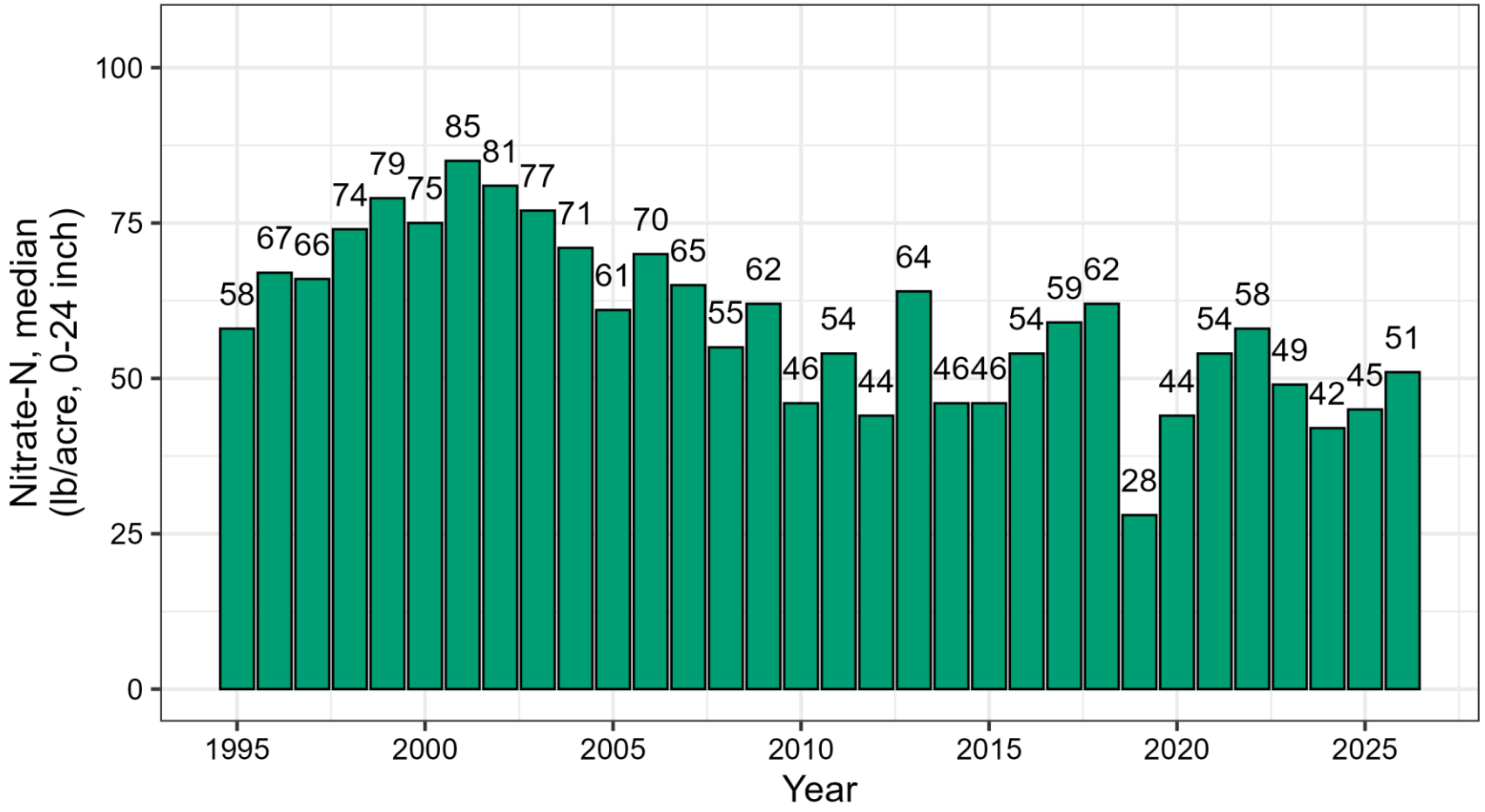


Data not shown where n< 100
AGVISE Laboratories, Inc.

Fallow

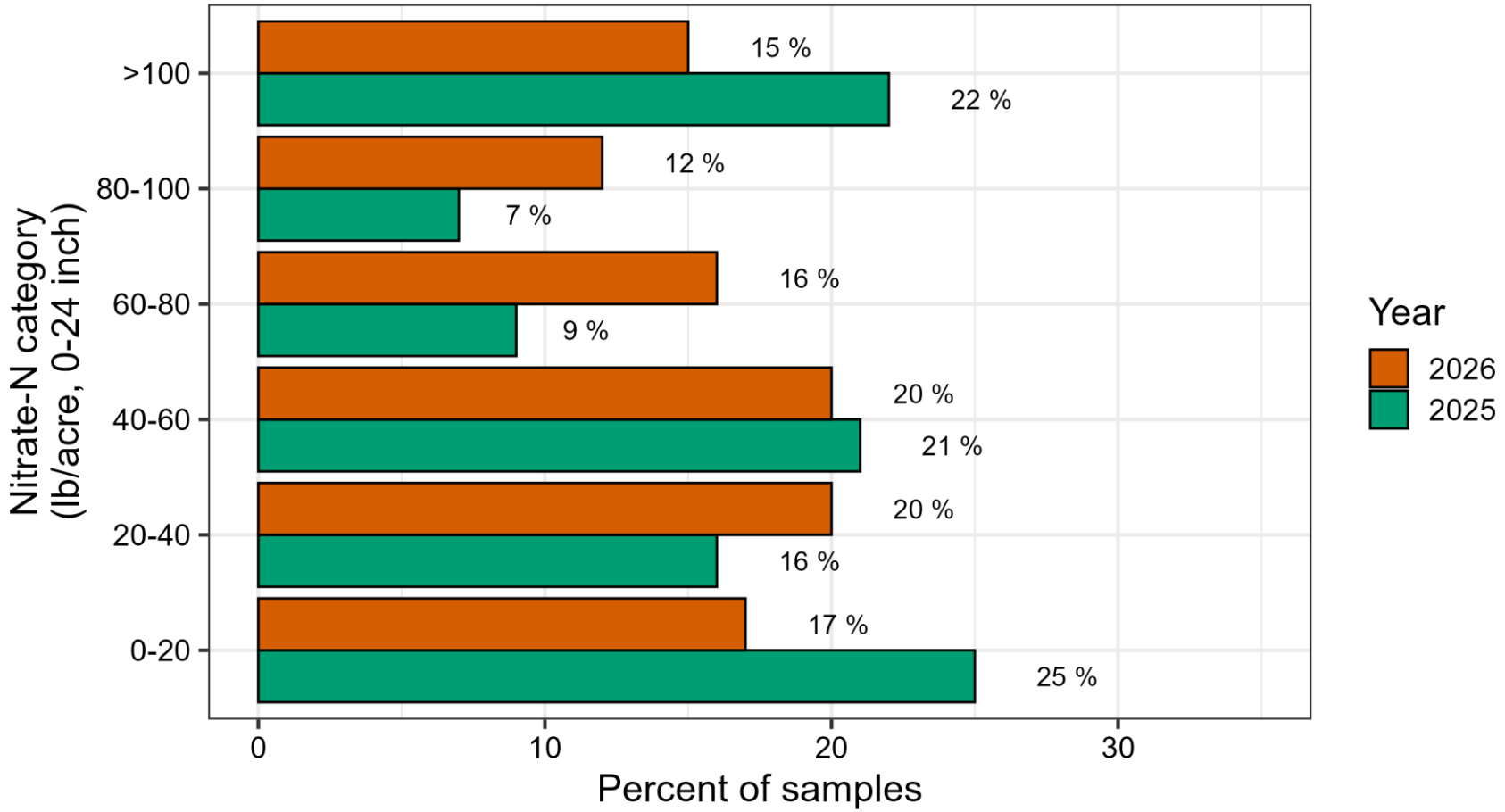
Residual nitrate following fallow

Trend from 1995 to 2026



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

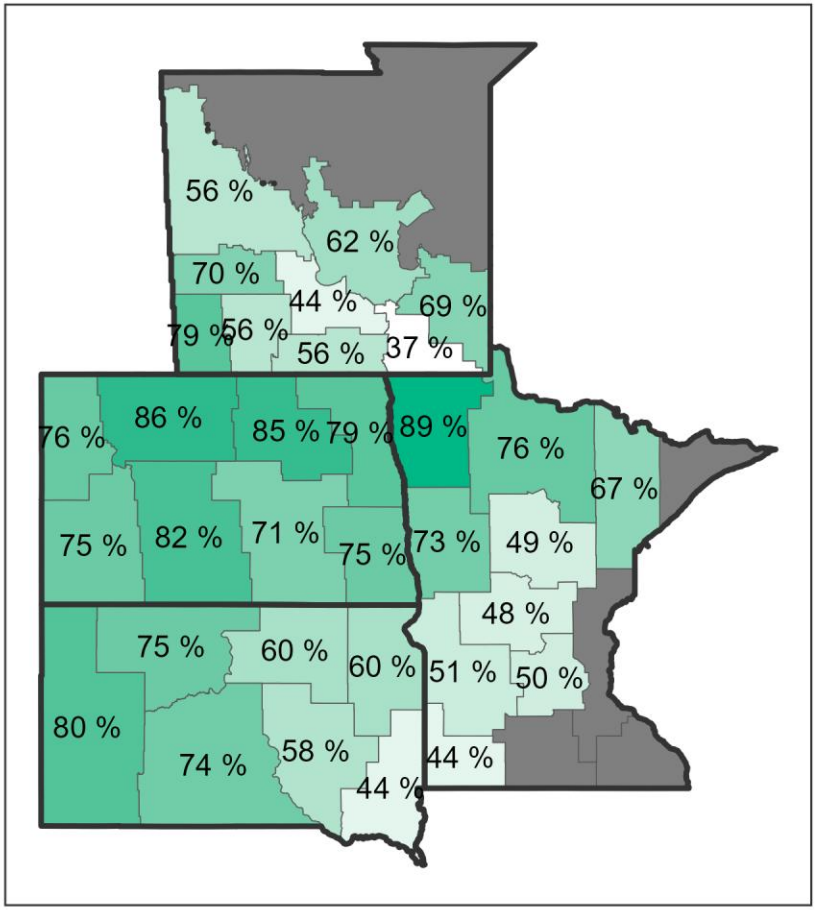
Residual nitrate variability following fallow in 2025 & 2026



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

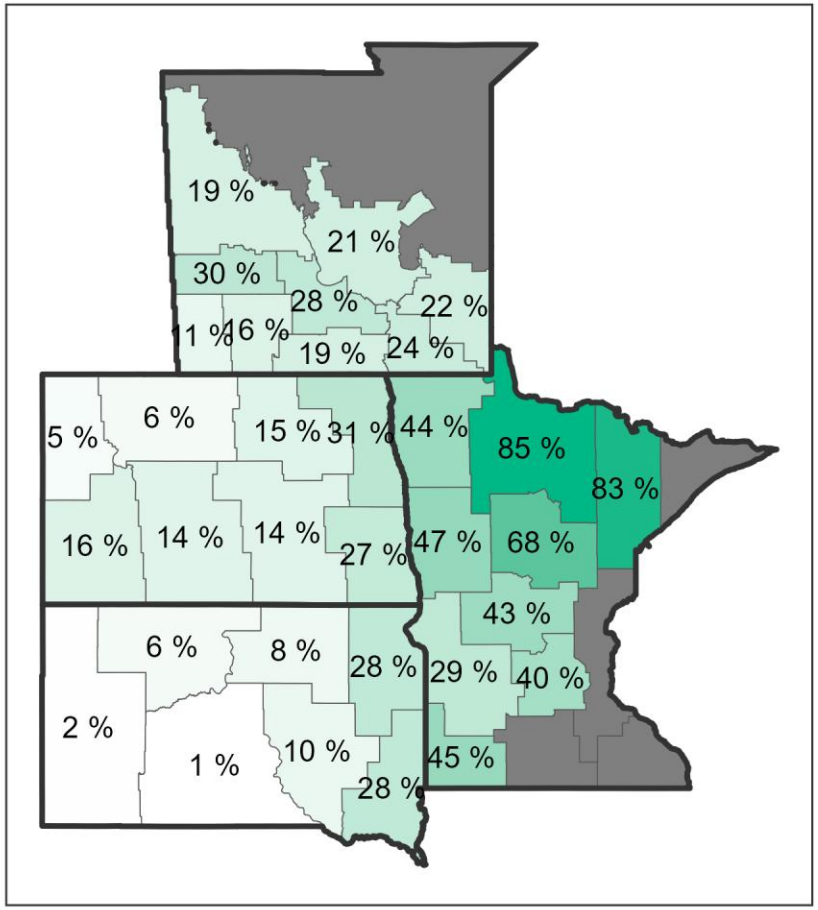
Soil nutrients and properties

Soil samples with soil test phosphorus below 15 ppm (Olsen P) in 2026



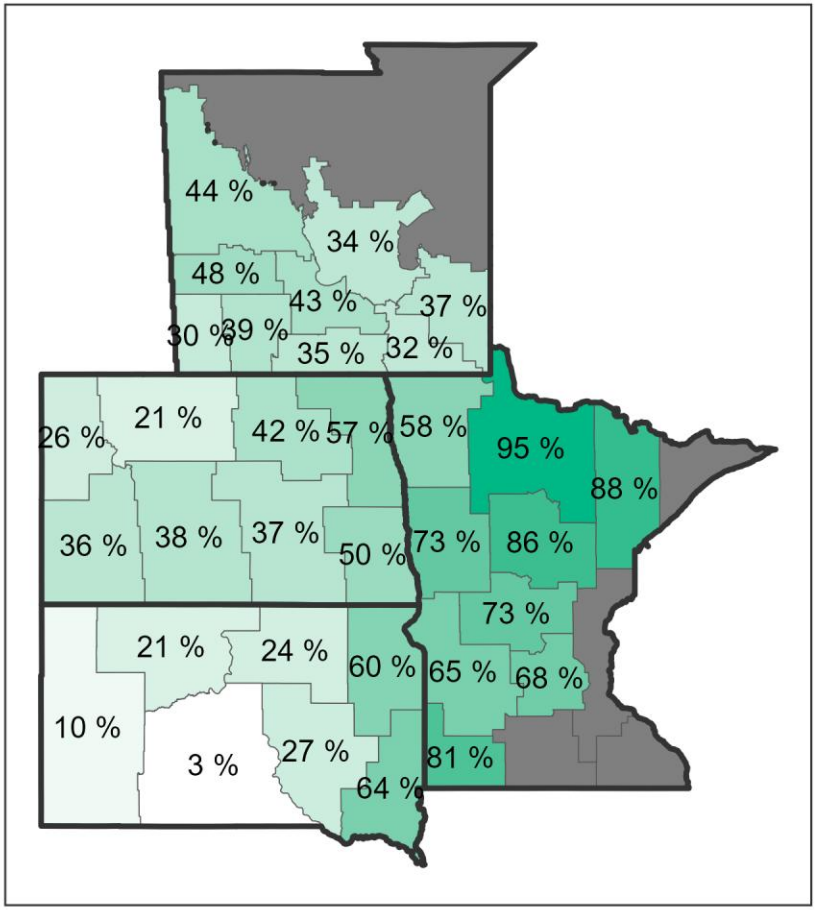
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test potassium below 150 ppm in 2026



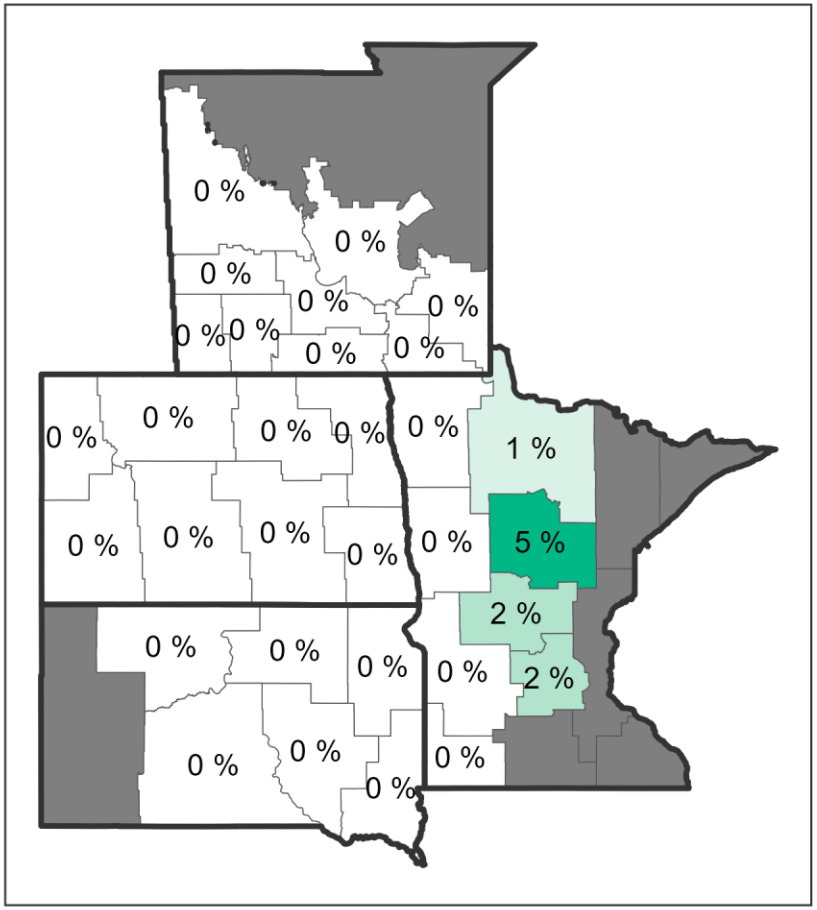
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test potassium below 200 ppm in 2026



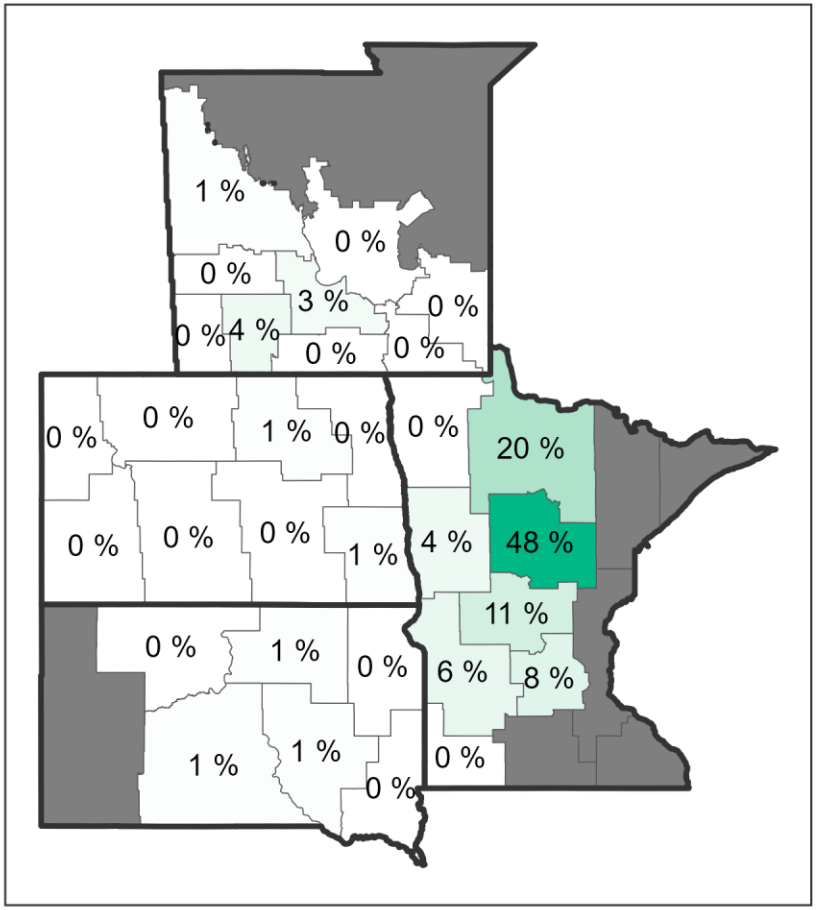
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test calcium below 500 ppm in 2026



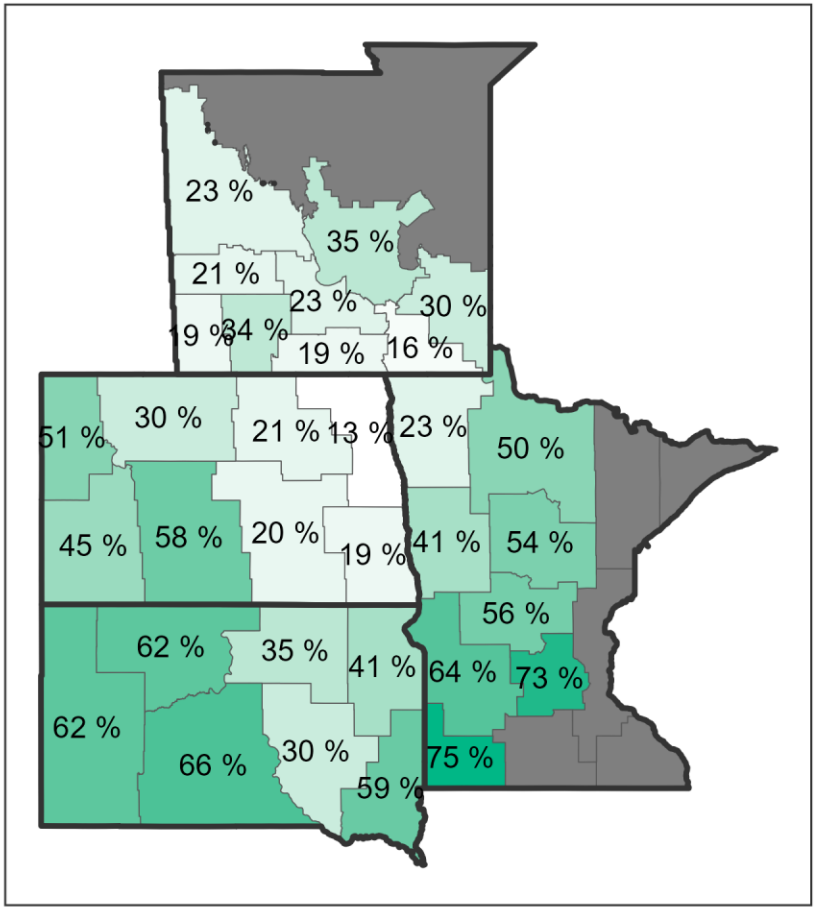
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test magnesium below 150 ppm in 2026



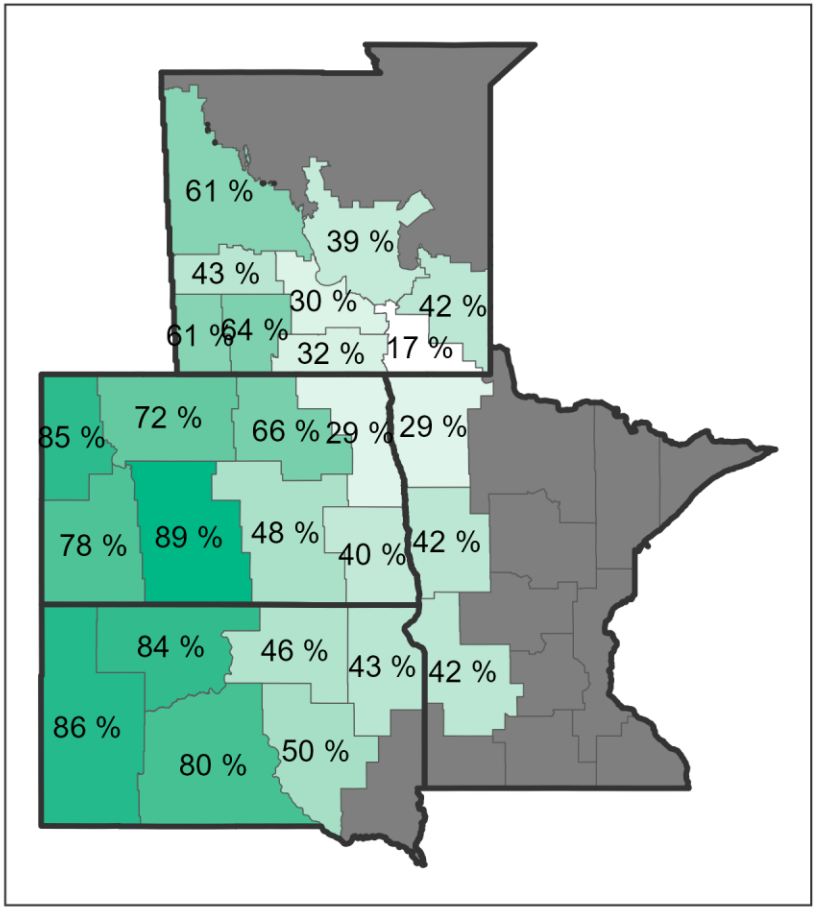
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test sulfur below 15 lb/acre in 2026



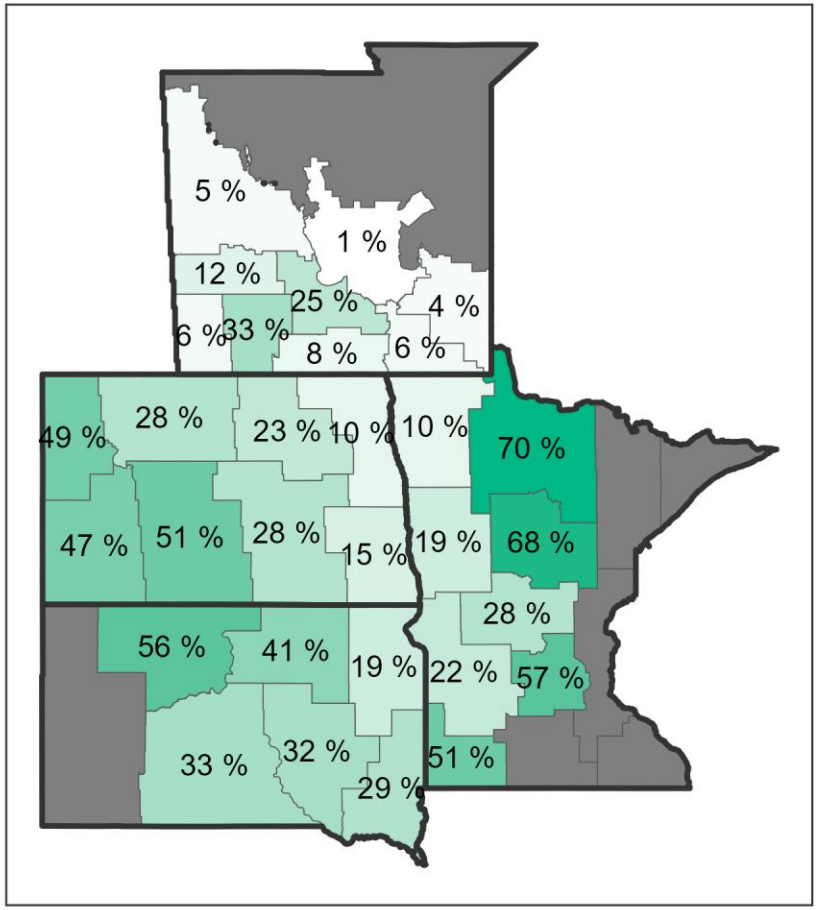
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test chloride below 40 lb/acre in 2026



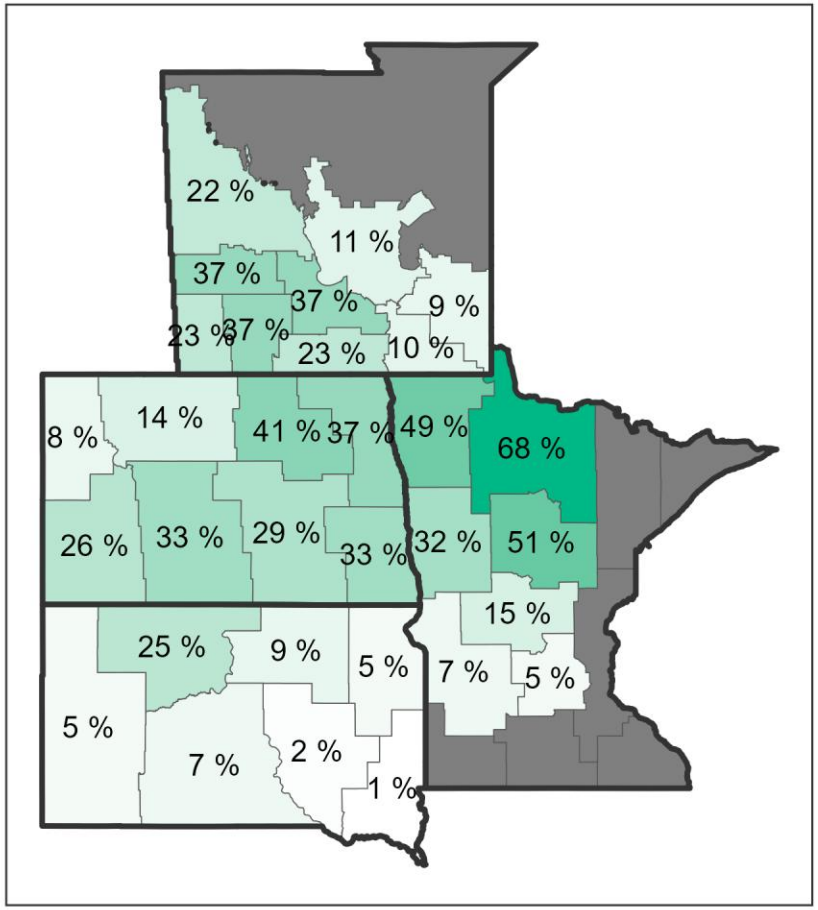
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test boron below 0.4 ppm in 2026



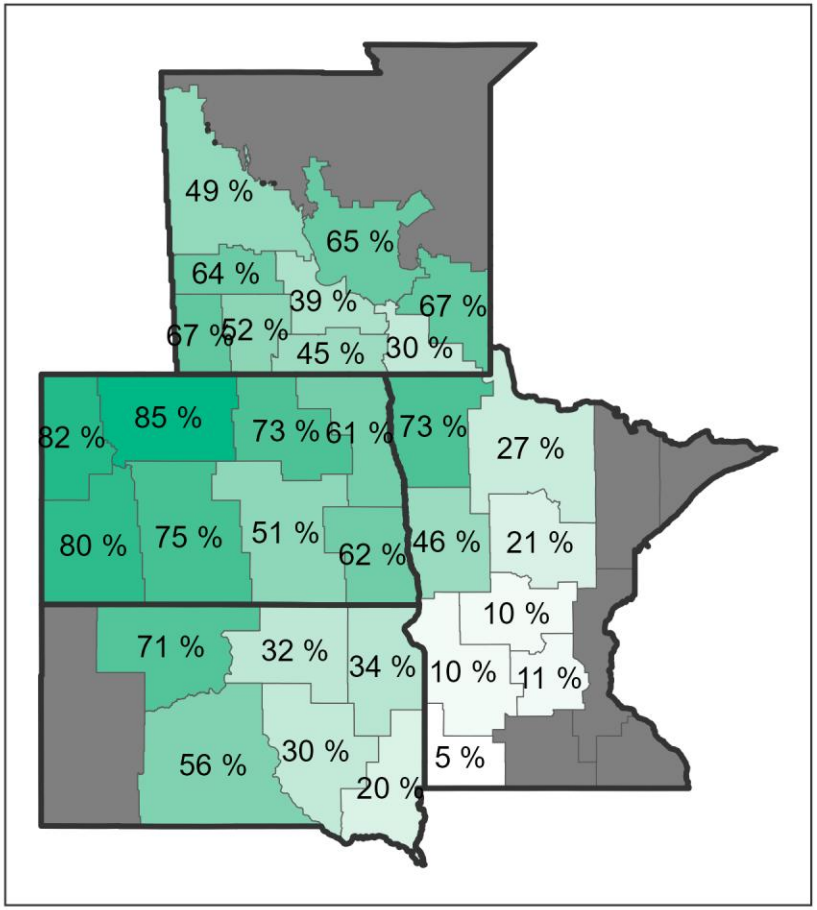
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test copper below 0.5 ppm in 2026



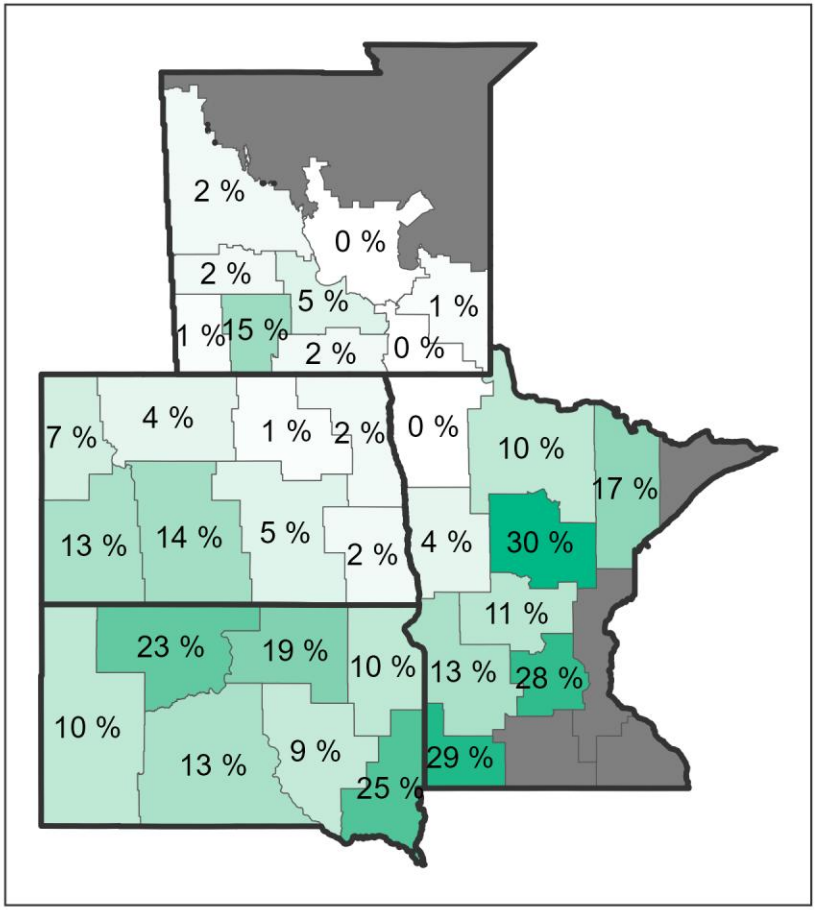
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test zinc below 1.0 ppm in 2026



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

Soil samples with soil pH below 6.0 in 2026

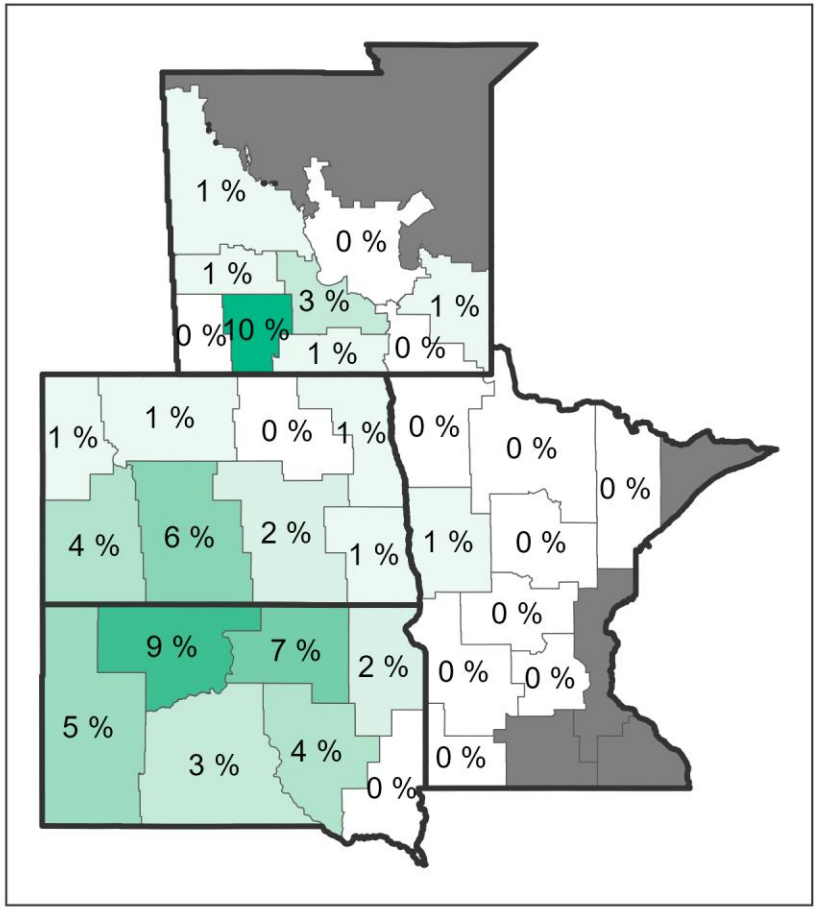


Percent of samples (0-6 inch)

30
20
10
0

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

Soil samples with subsoil pH below 7.0 in 2026

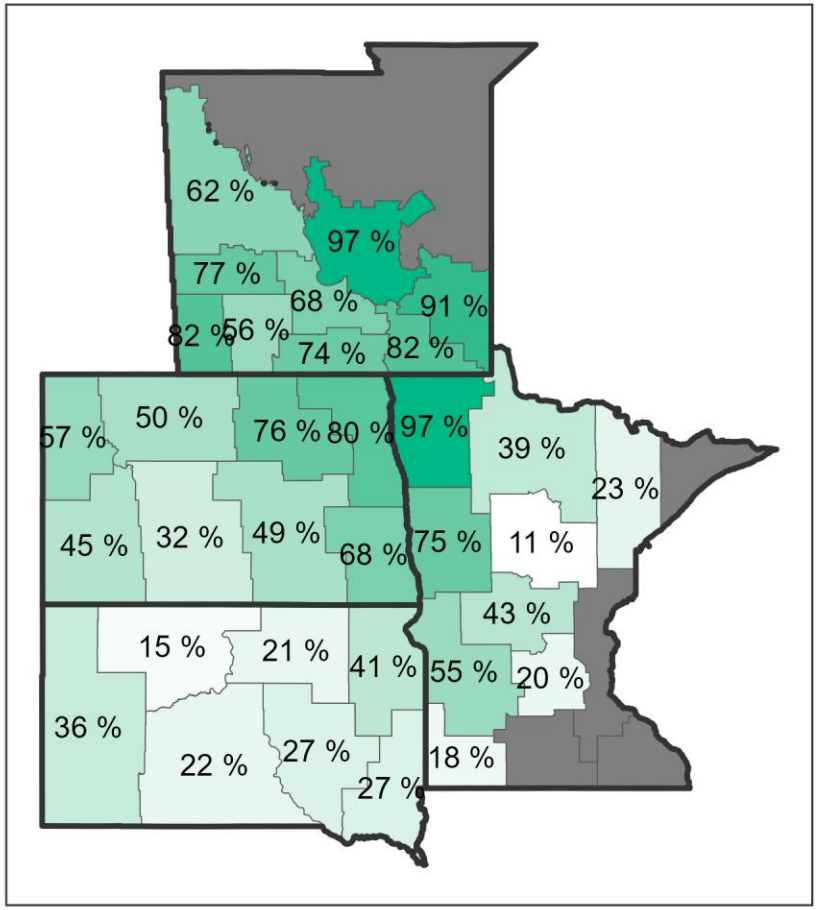


Percent of samples (6-24 inch)

10.0
7.5
5.0
2.5
0.0

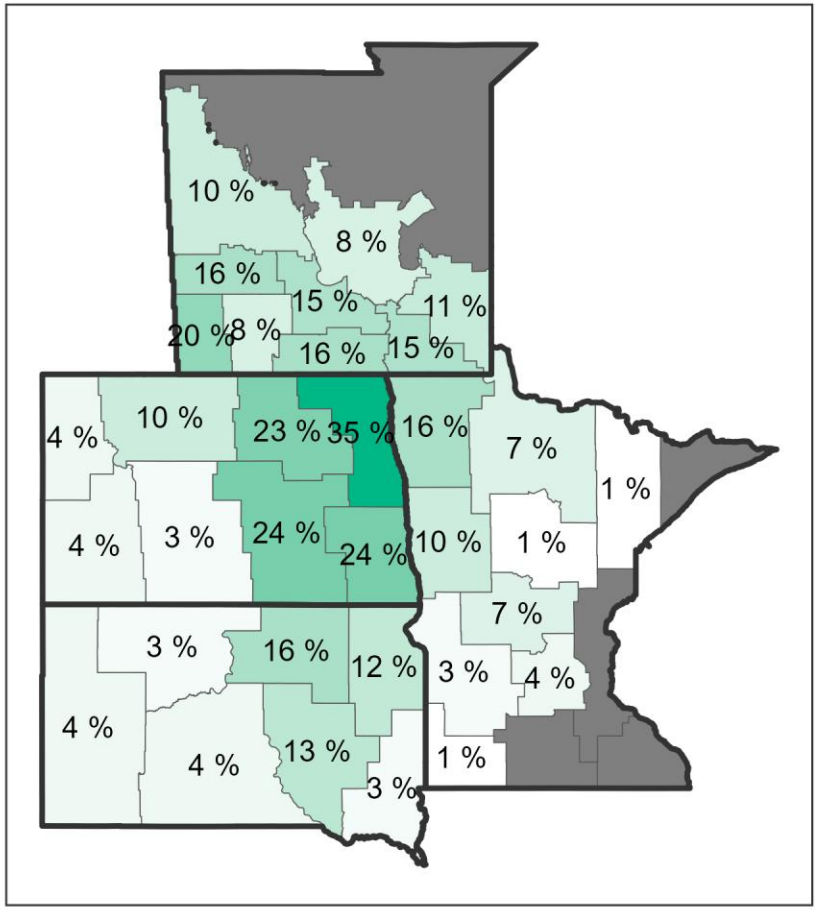
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil pH above 7.3 in 2026



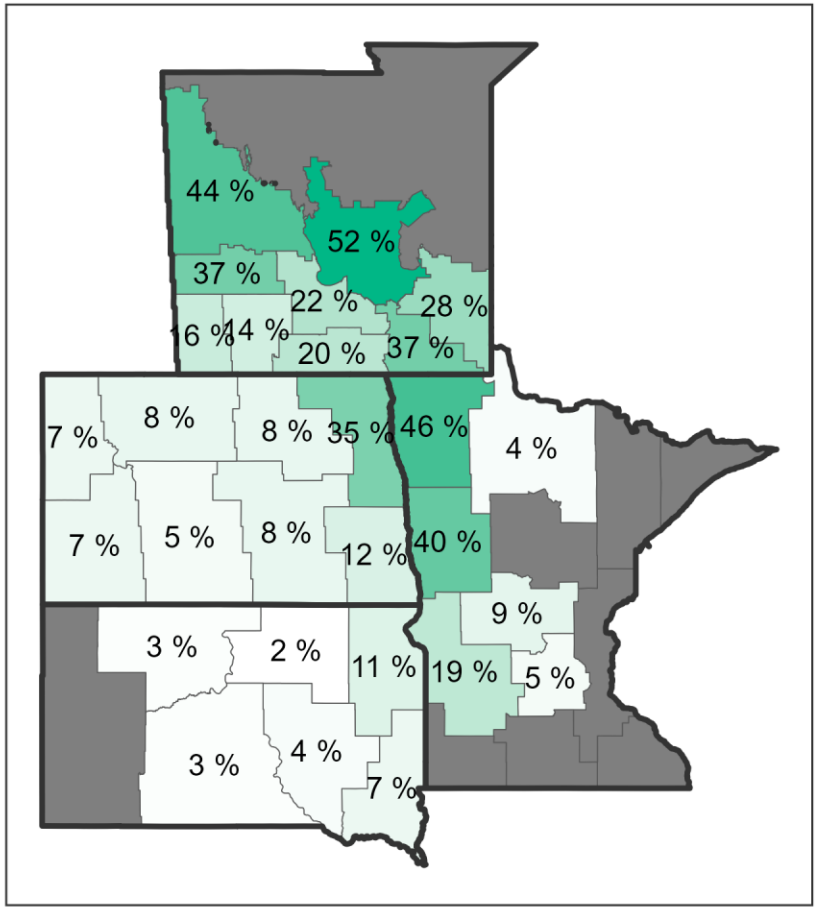
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with salinity above 1.0 dS/m (1:1) in 2026



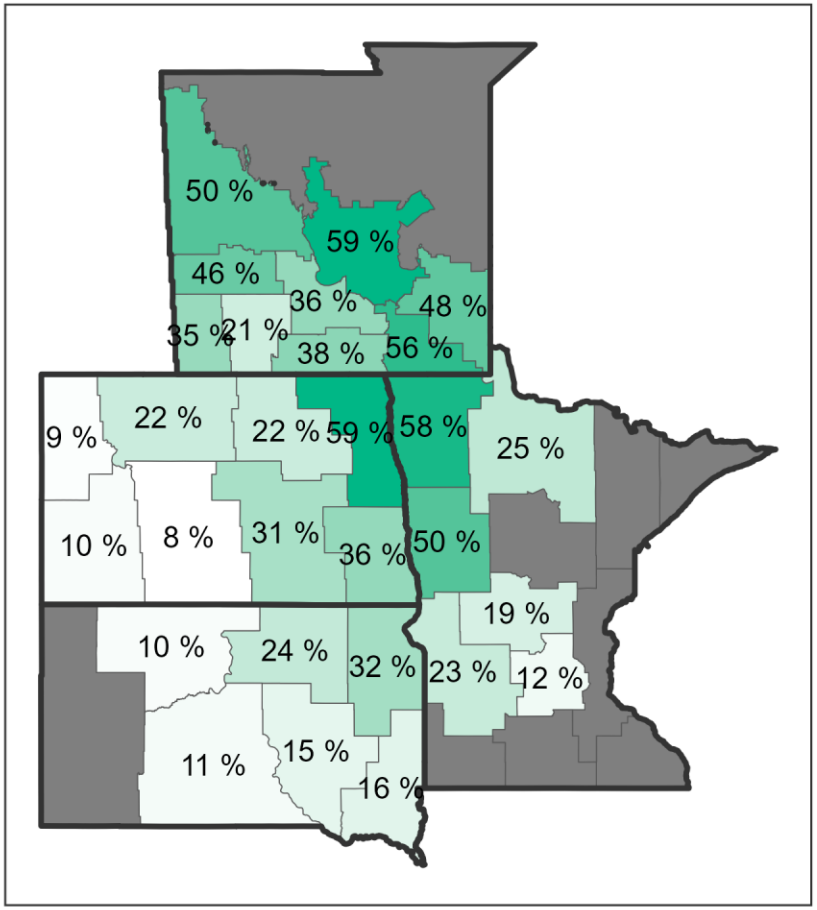
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with calcium carbonate above 5.0 % CCE in 2026



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

Soil samples with high soybean iron deficiency chlorosis risk in 2026



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

Postal code areas for soil test summary

