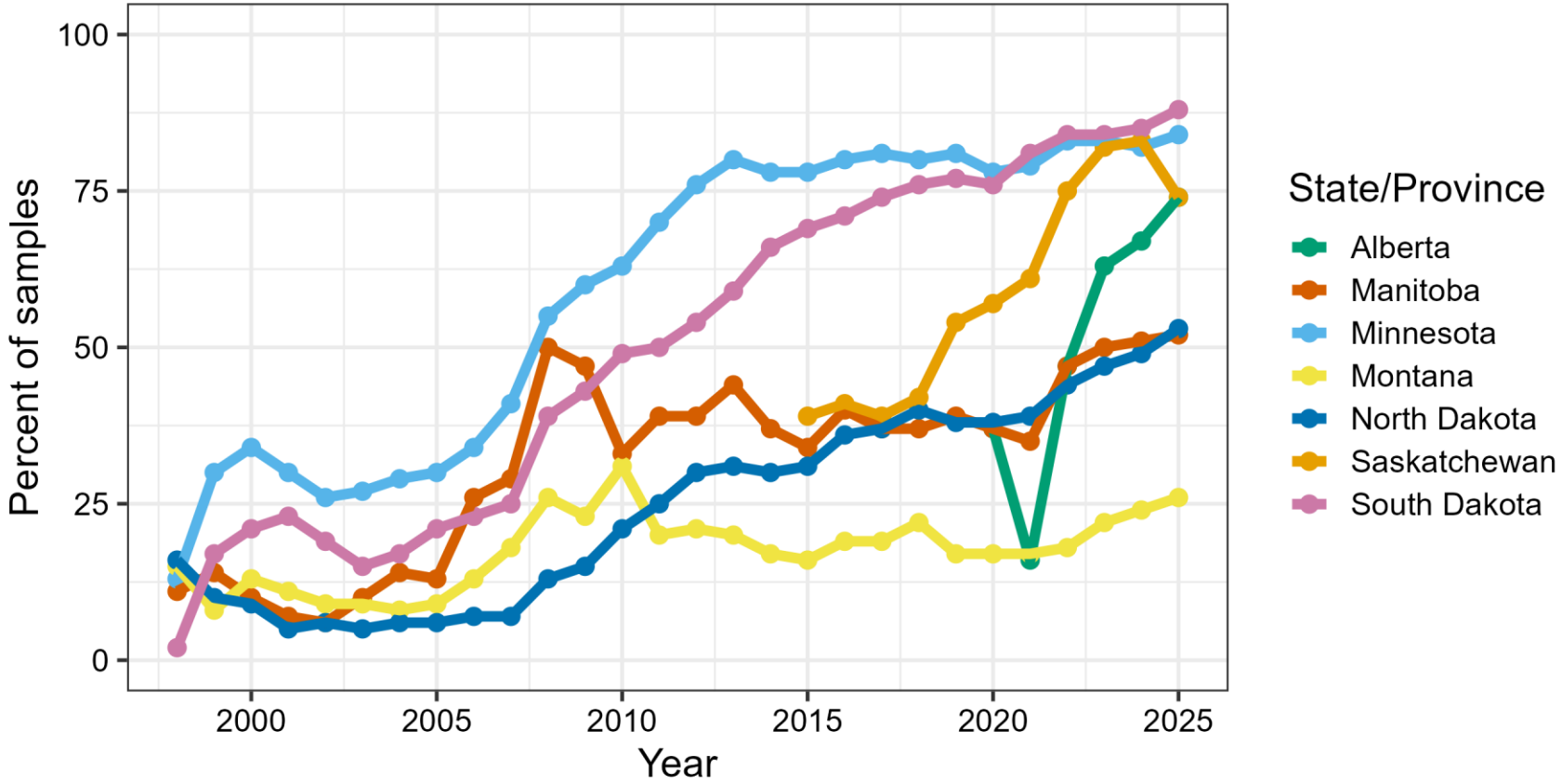
AGVISE Soil Test Summary 2025 Alberta, Manitoba, Saskatchewan

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

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

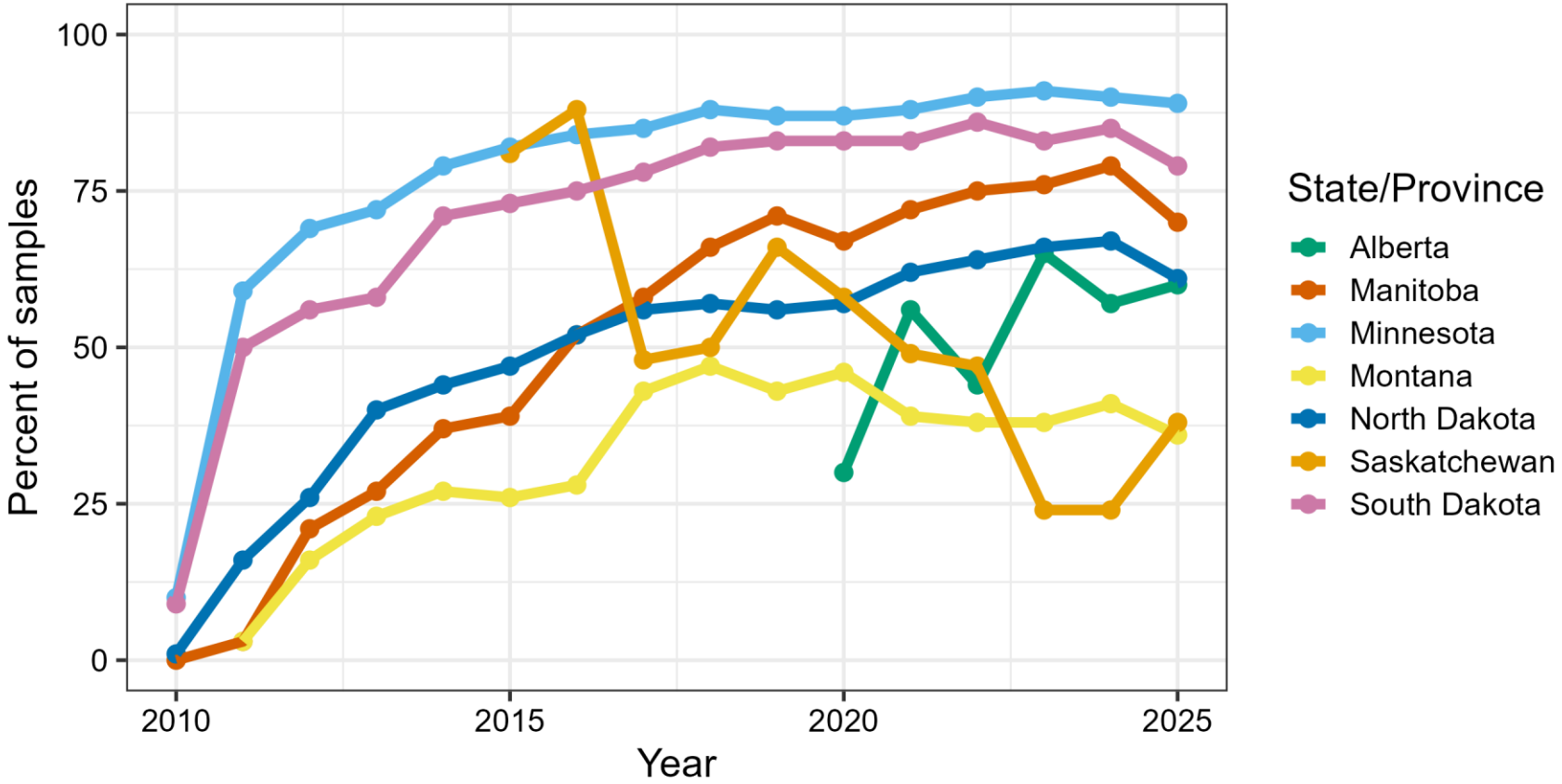
Trend from 1998 to 2025



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

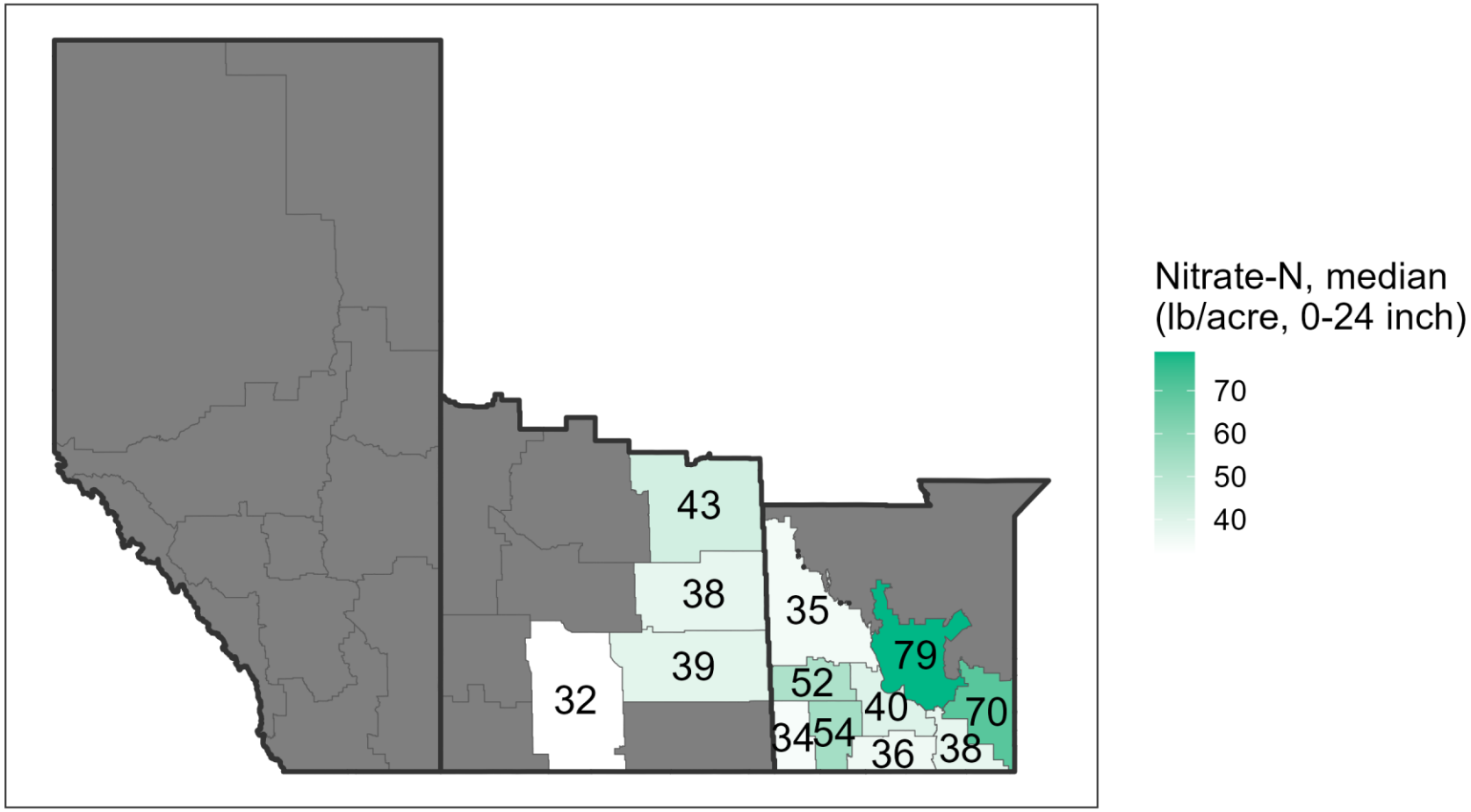
Soil samples submitted using AGVISE Online Submission

Trend from 2010 to 2025



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

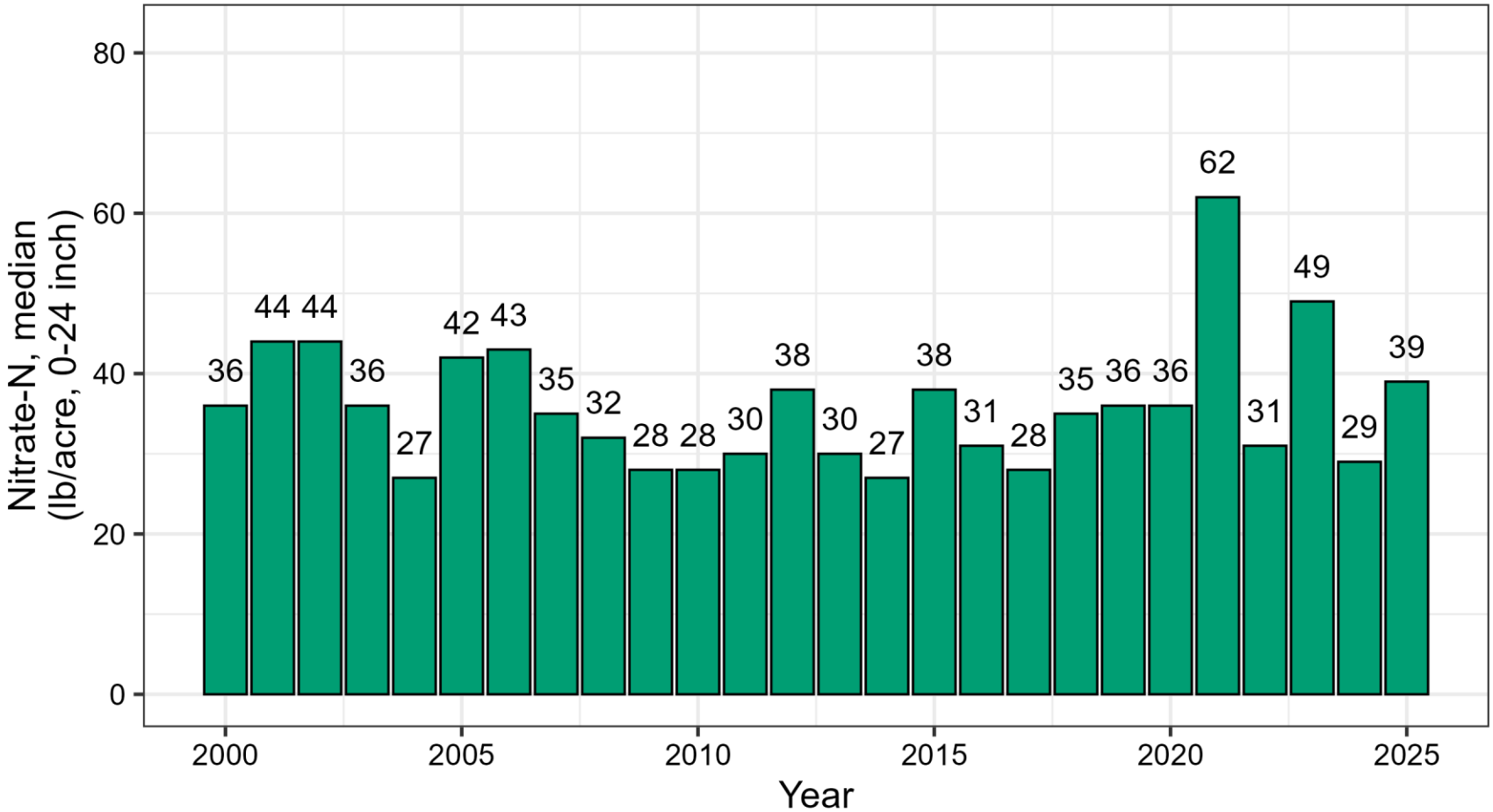
Residual nitrate following wheat in 2025



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

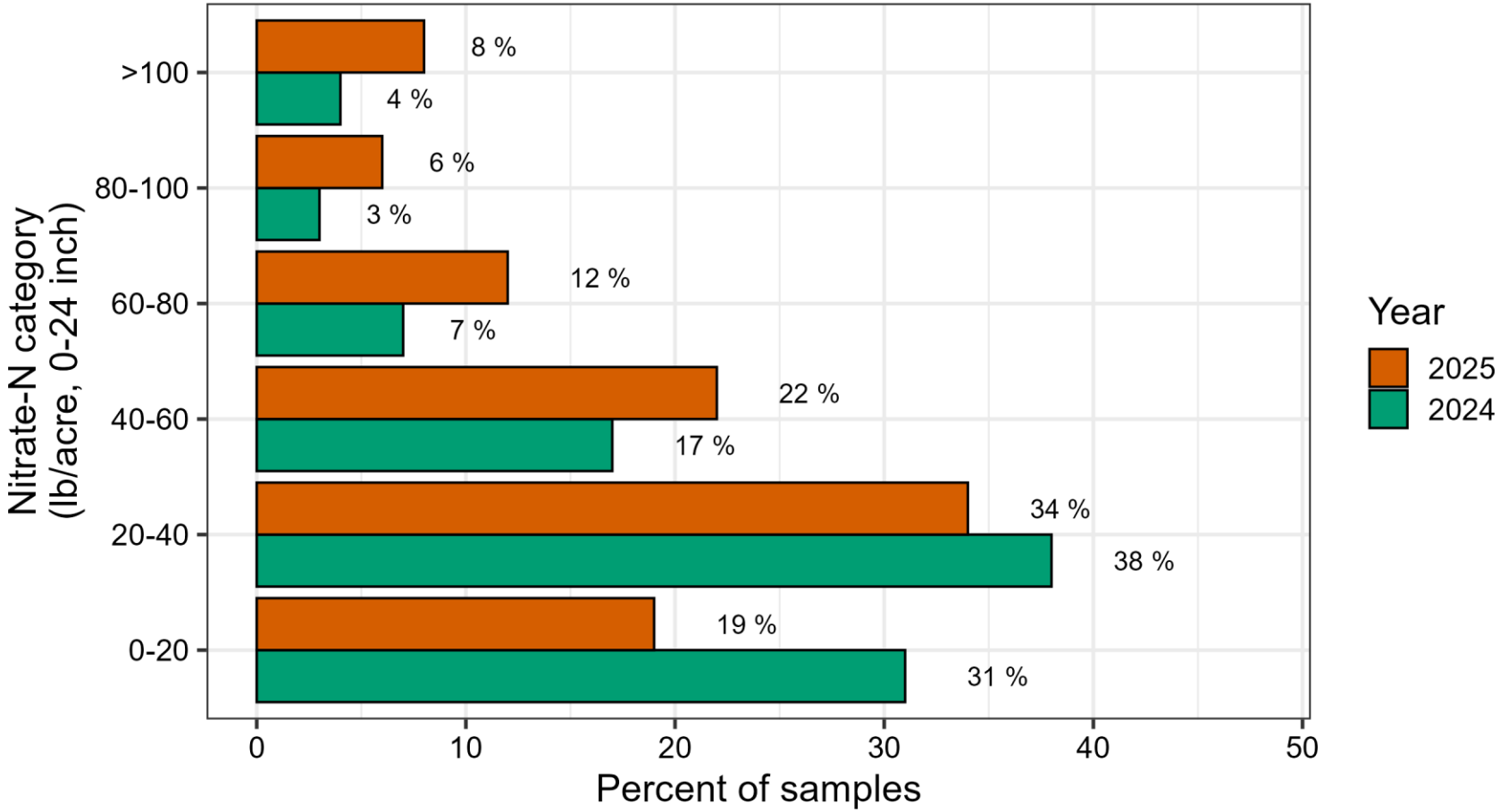
Residual nitrate following wheat

Trend from 2000 to 2025



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

Residual nitrate variability following wheat in 2024 & 2025



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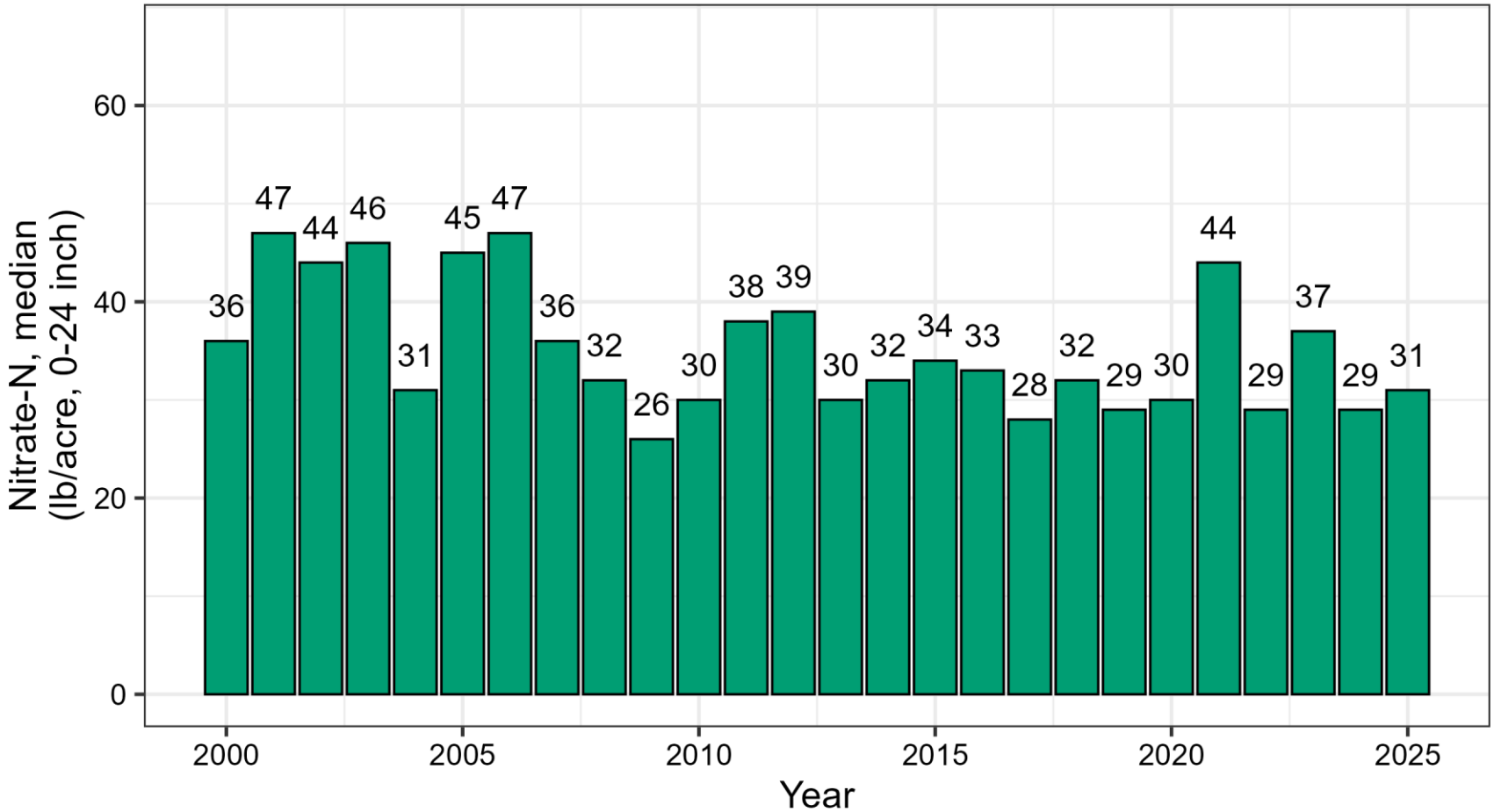
AGVISE Laboratories, Inc.

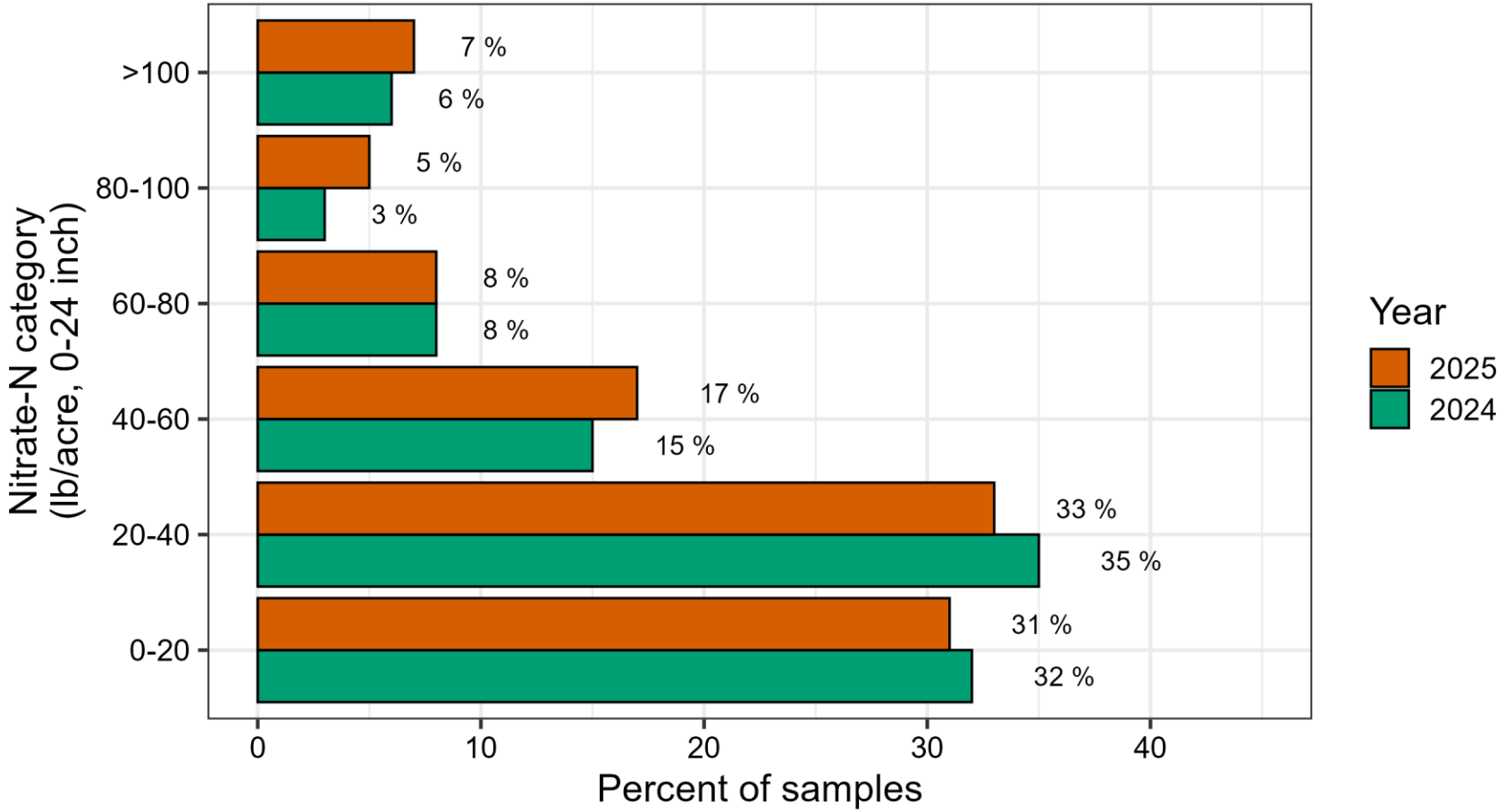
Residual nitrate following barley

Trend from 2000 to 2025



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

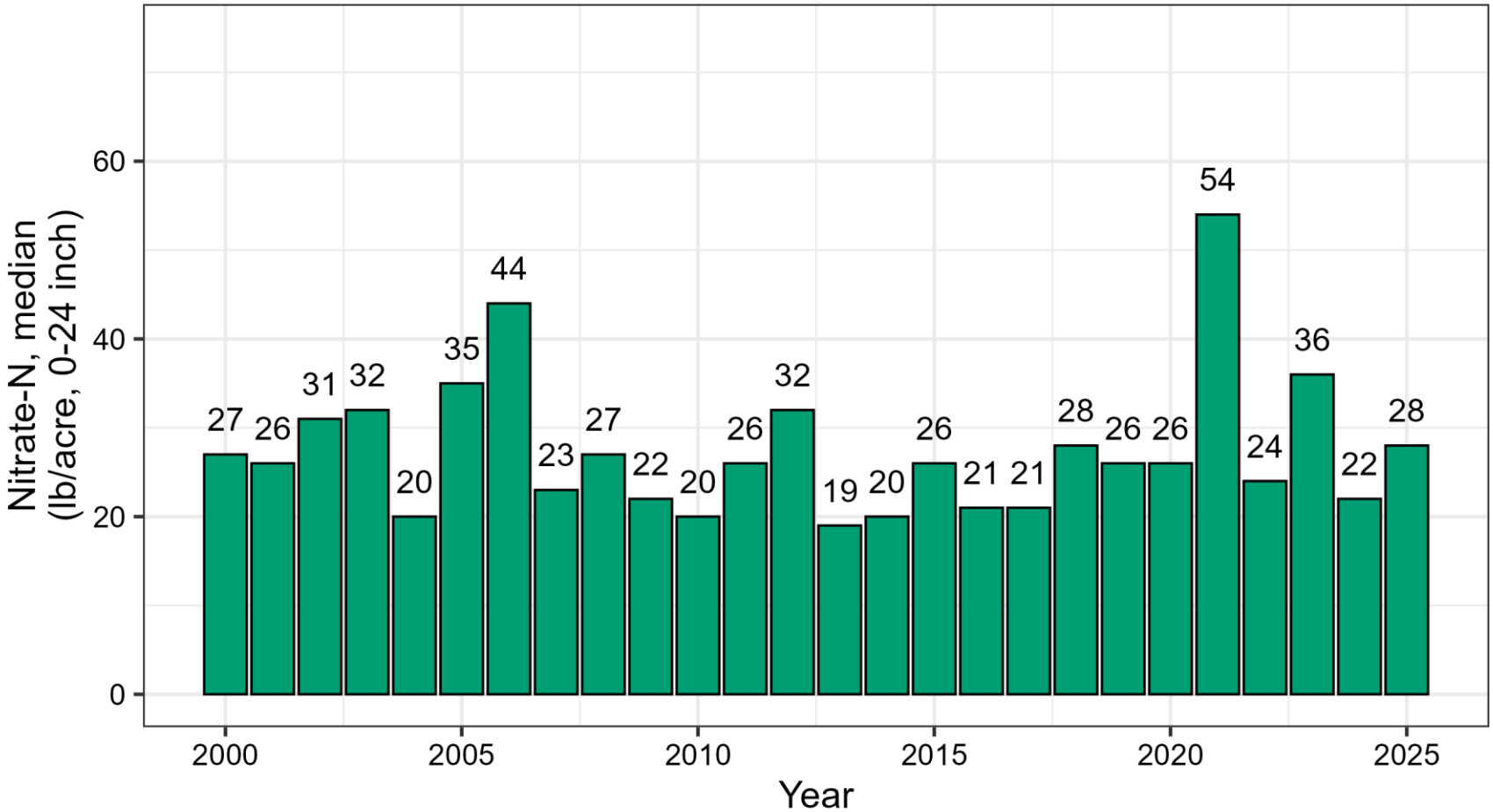
Residual nitrate variability following barley in 2024 & 2025



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

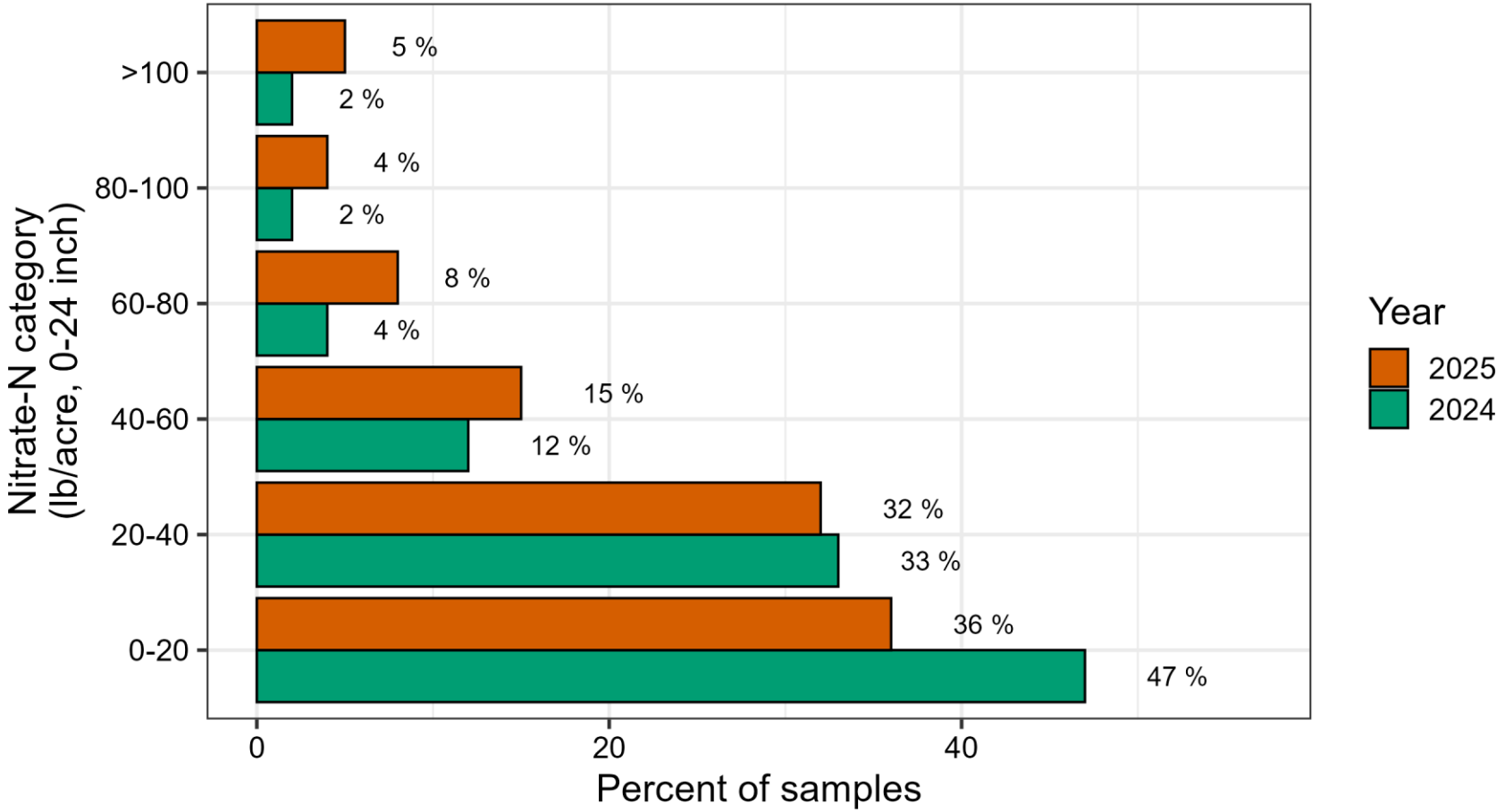
Residual nitrate following oat

Trend from 2000 to 2025



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

Residual nitrate variability following oat in 2024 & 2025



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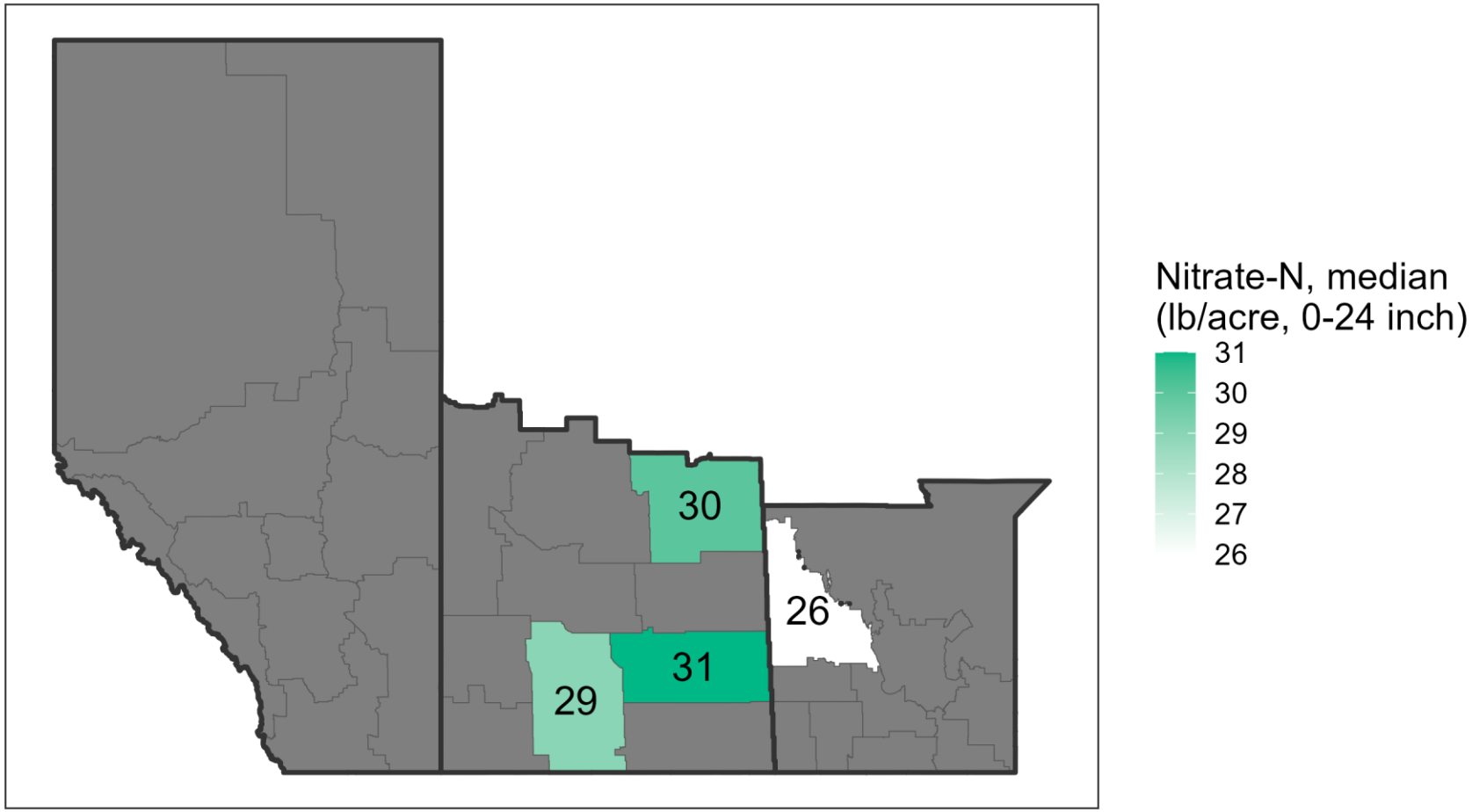
AGVISE Laboratories, Inc.

Residual nitrate following pulses in 2025



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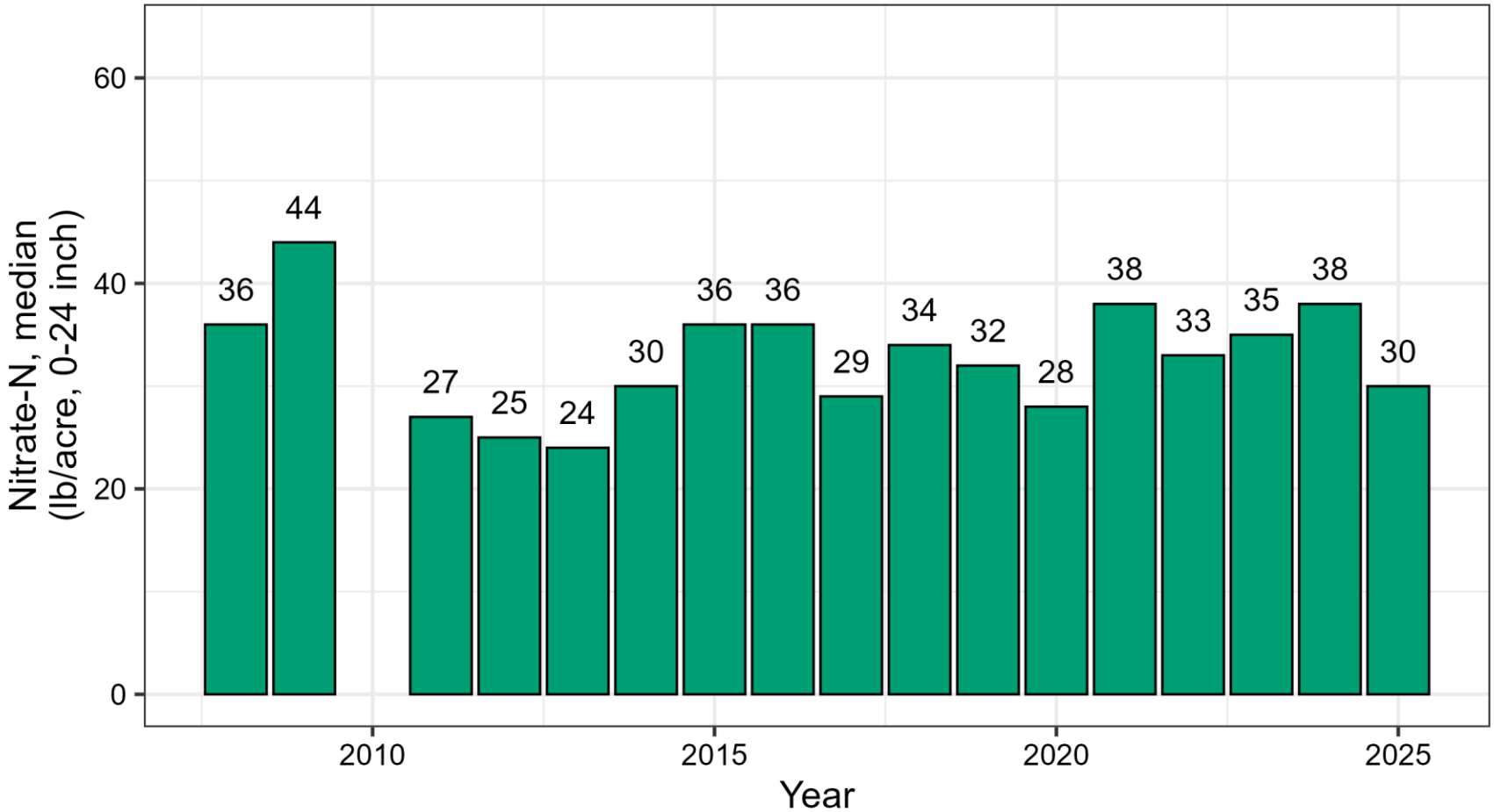
AGVISE Laboratories, Inc.

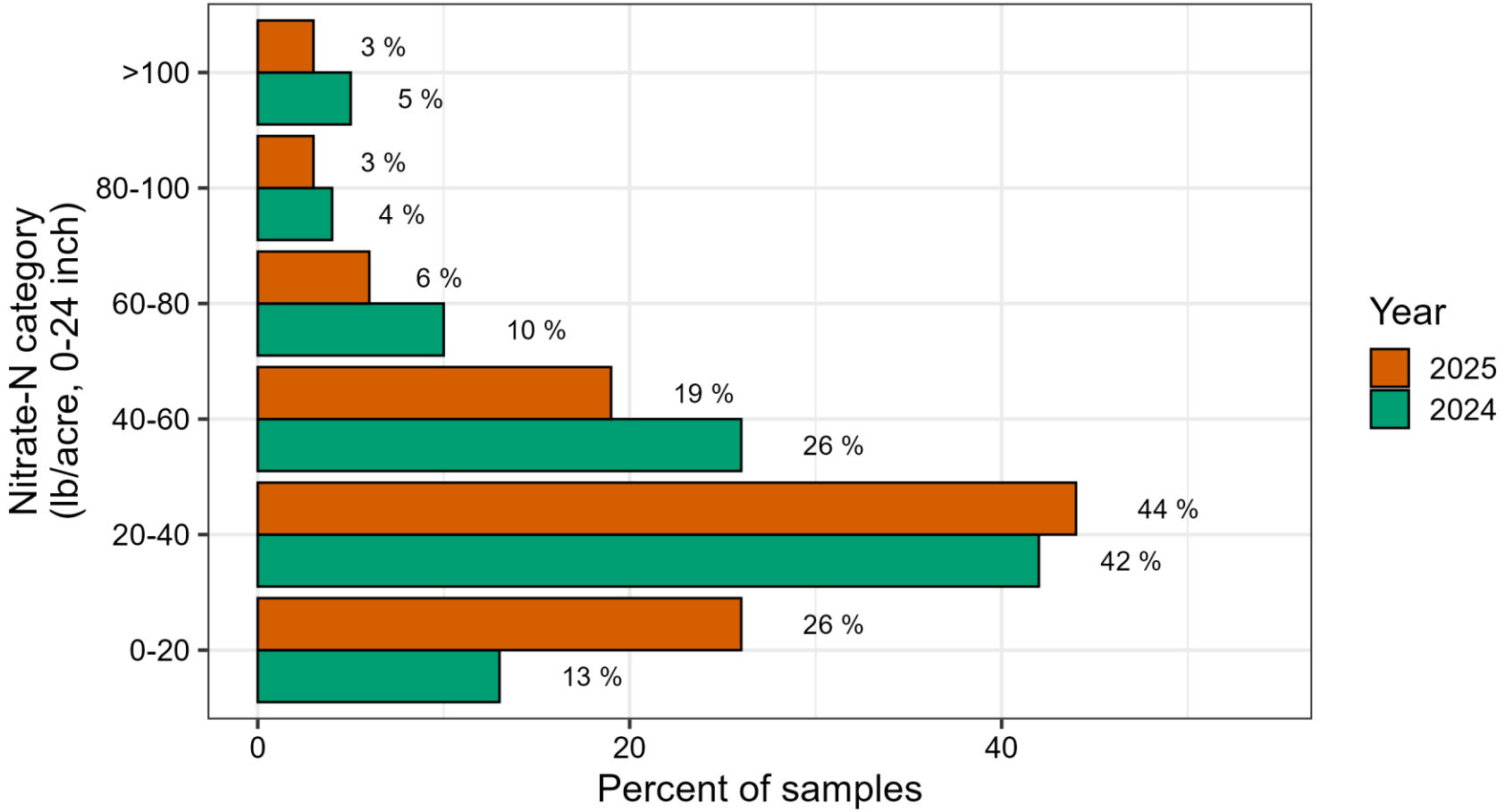
Residual nitrate following pulses

Trend from 2008 to 2025



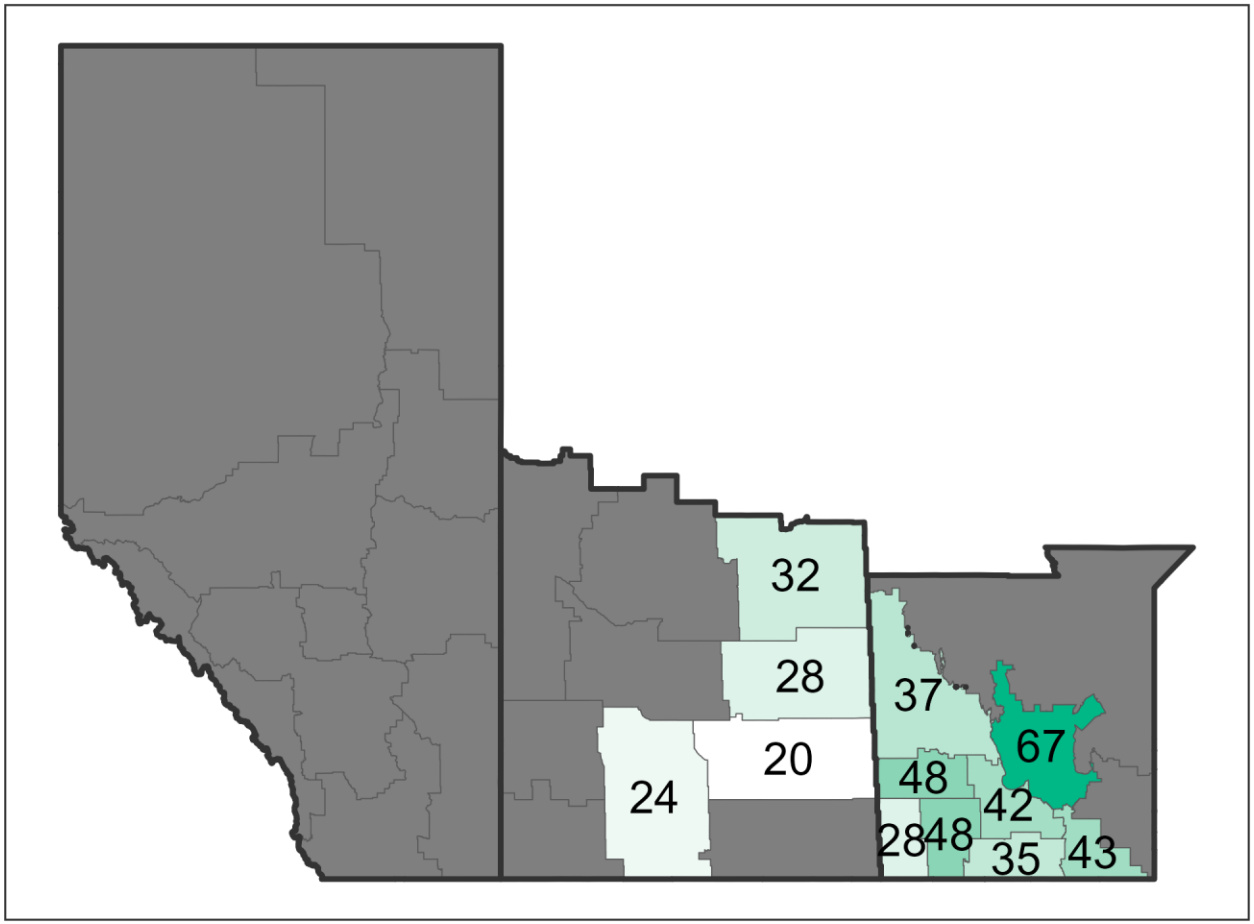
Data not shown where n< 100
AGVISE Laboratories, Inc.

Residual nitrate variability following pulses in 2024 & 2025



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

Residual nitrate following canola in 2025



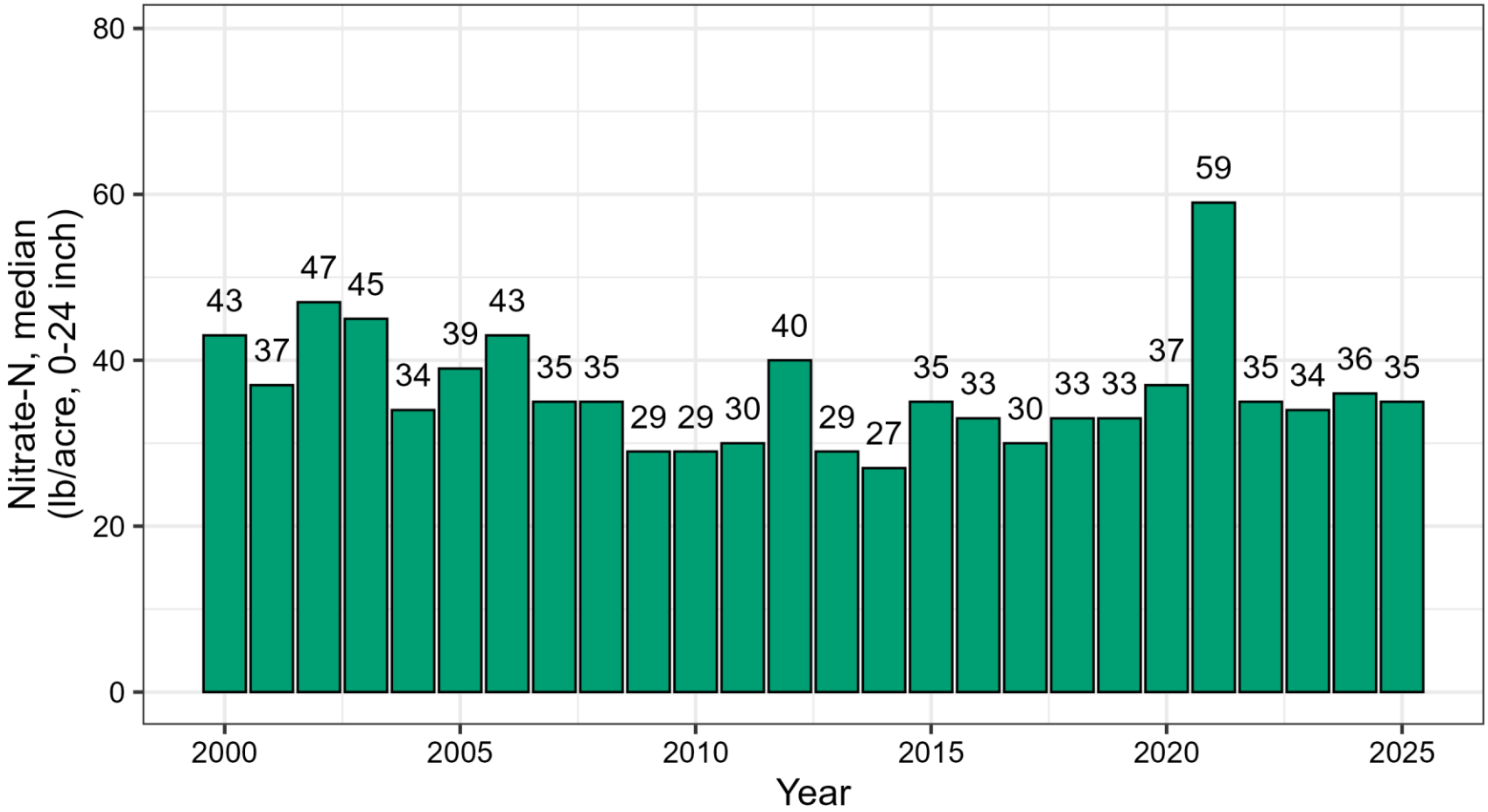
Nitrate-N, median
(lb/acre, 0-24 inch)

60
50
40
30
20

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

Residual nitrate following canola

Trend from 2000 to 2025



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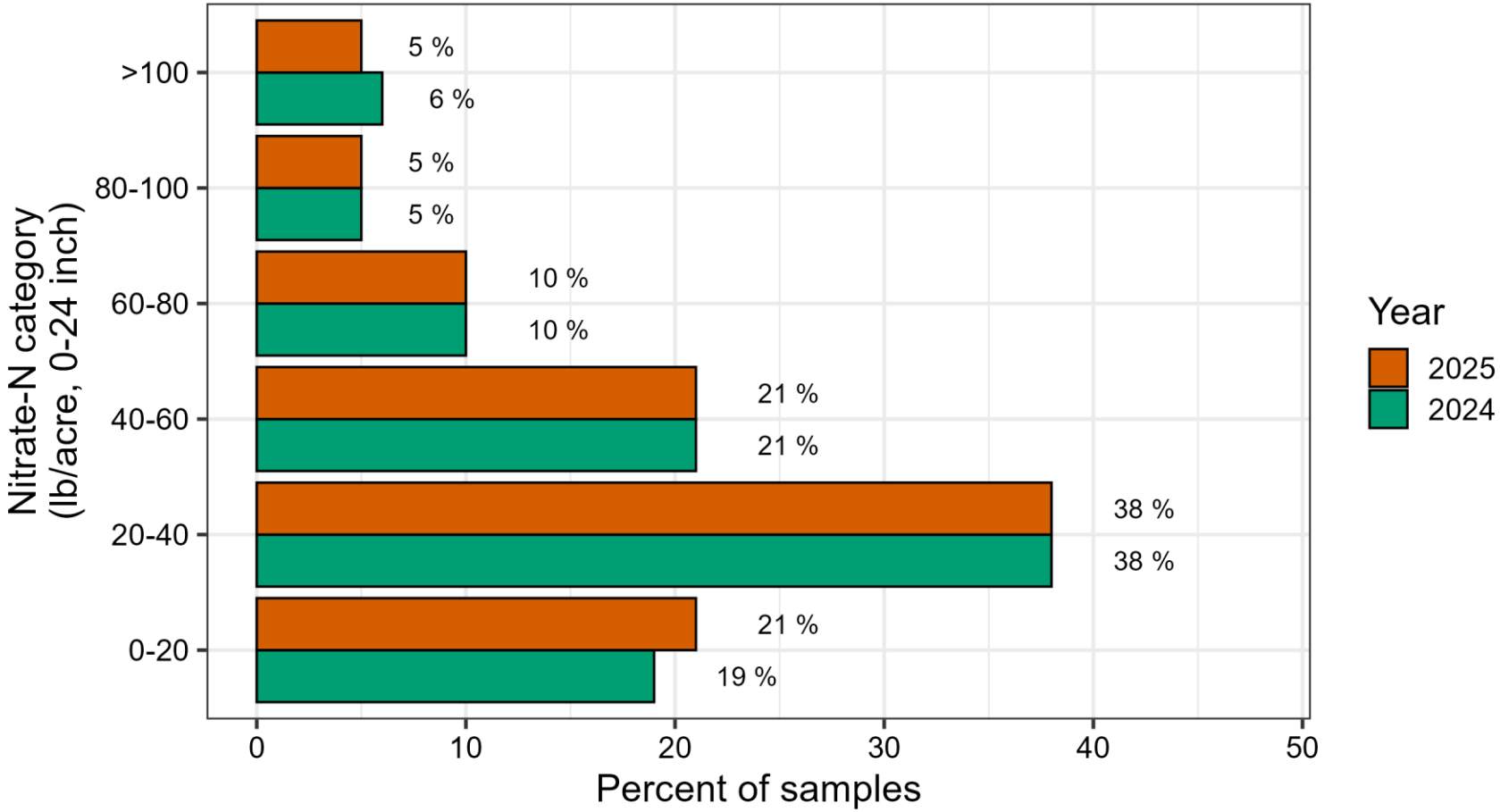
AGVISE Laboratories, Inc.

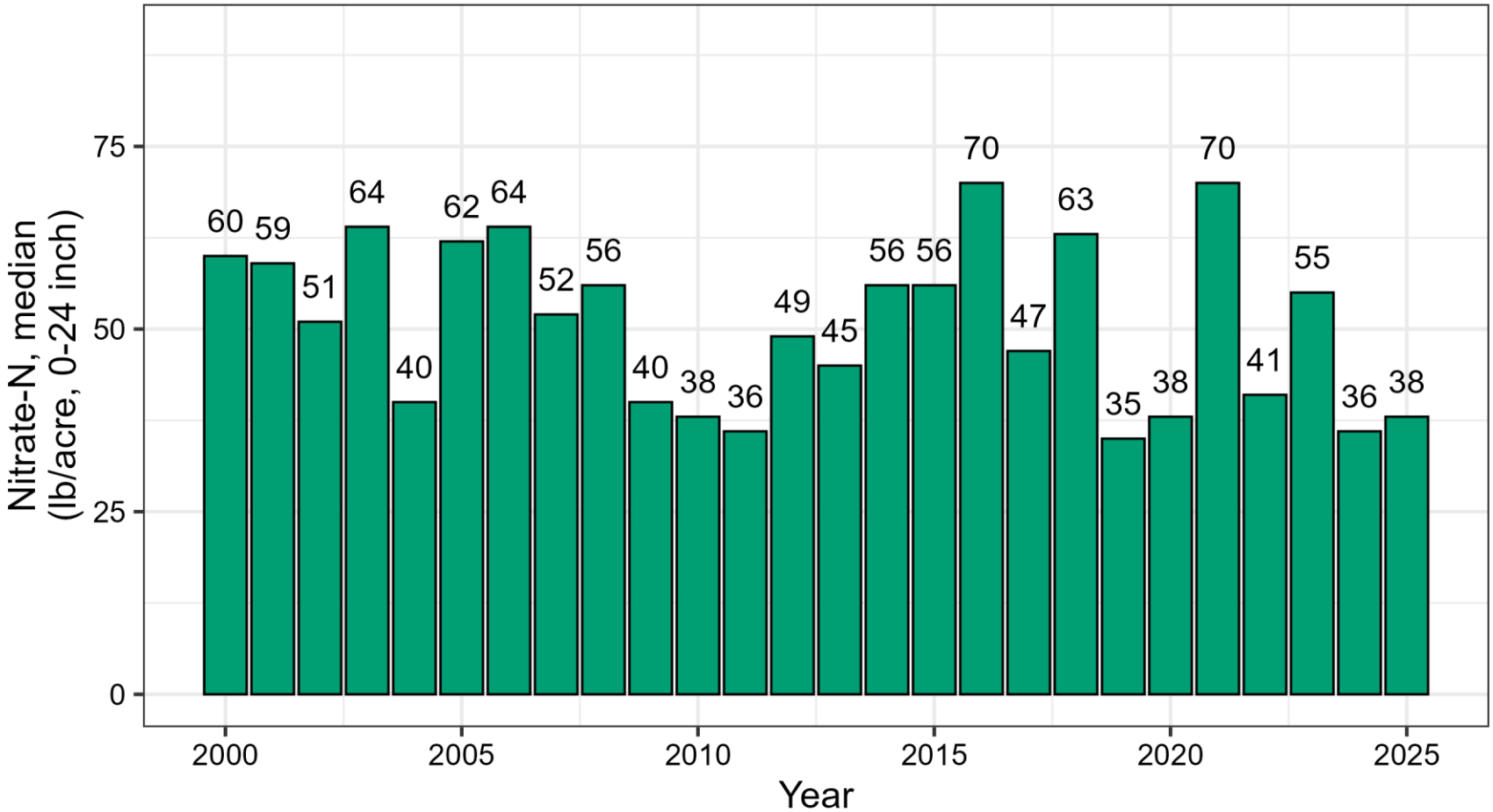
Residual nitrate variability following canola in 2024 & 2025



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

Residual nitrate following dry bean

Trend from 2000 to 2025



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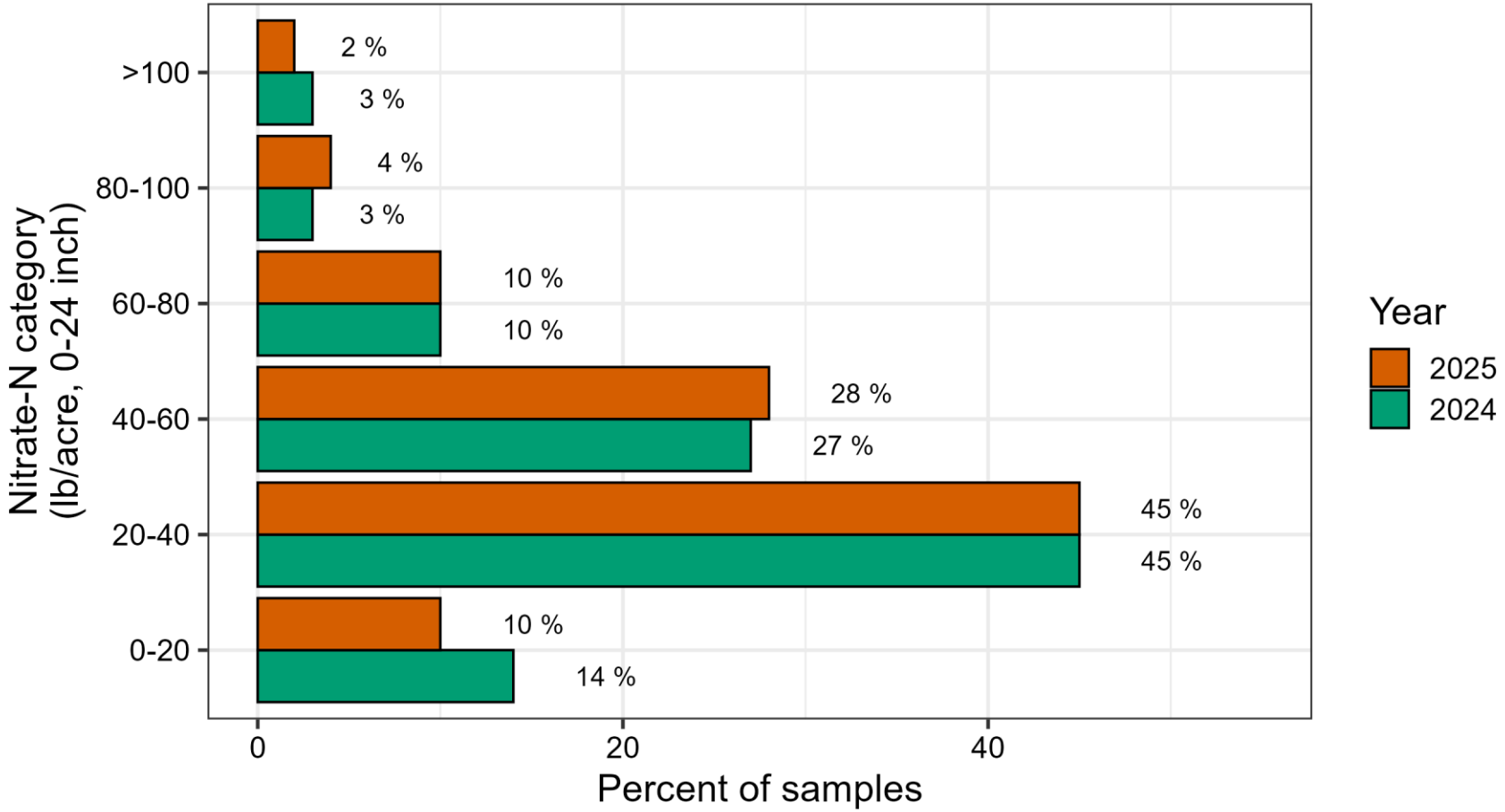
AGVISE Laboratories, Inc.

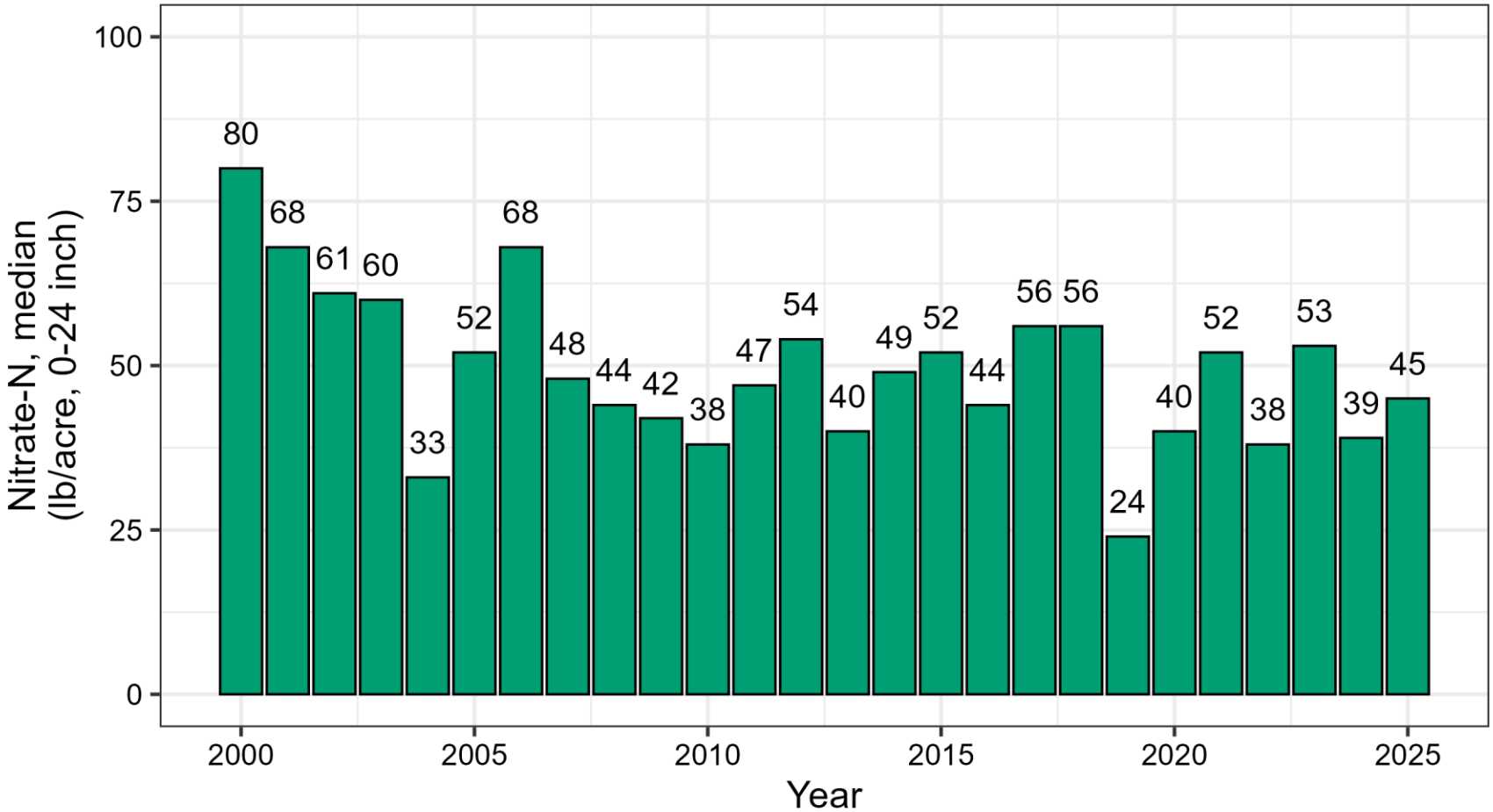
Residual nitrate variability following dry bean in 2024 & 2025



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

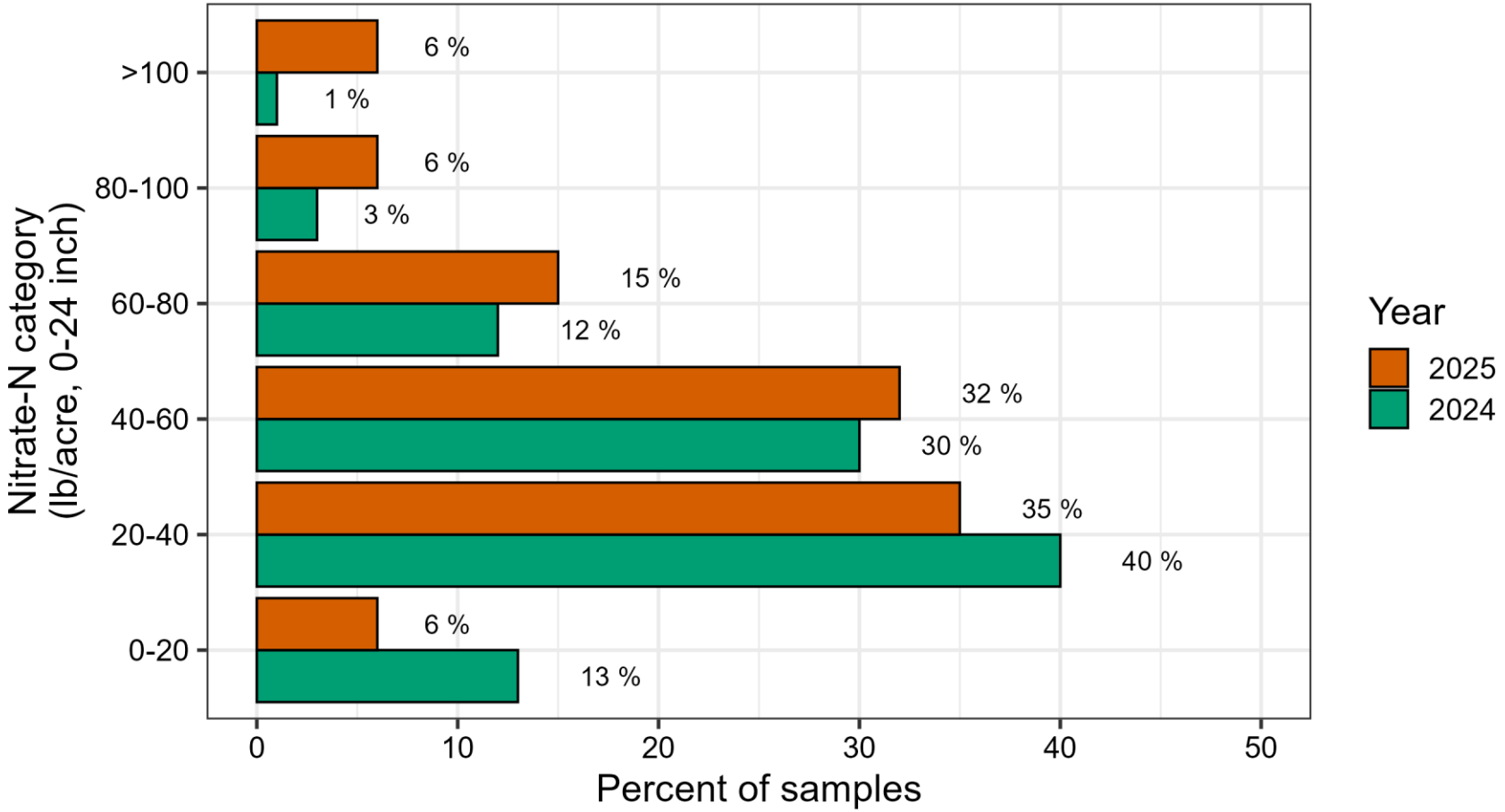
Residual nitrate following potato

Trend from 2000 to 2025



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

Residual nitrate variability following potato in 2024 & 2025



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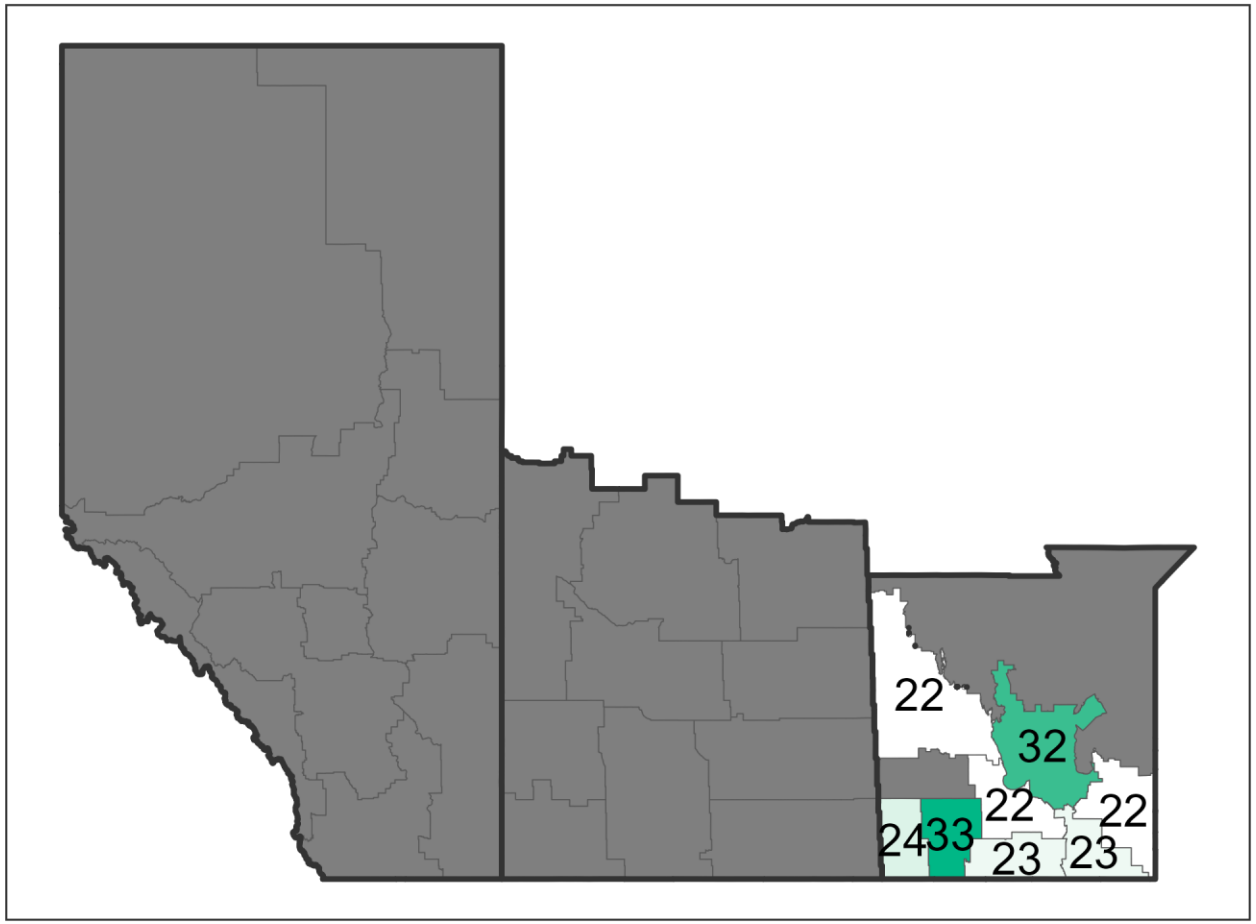
AGVISE Laboratories, Inc.

Residual nitrate following soybean in 2025



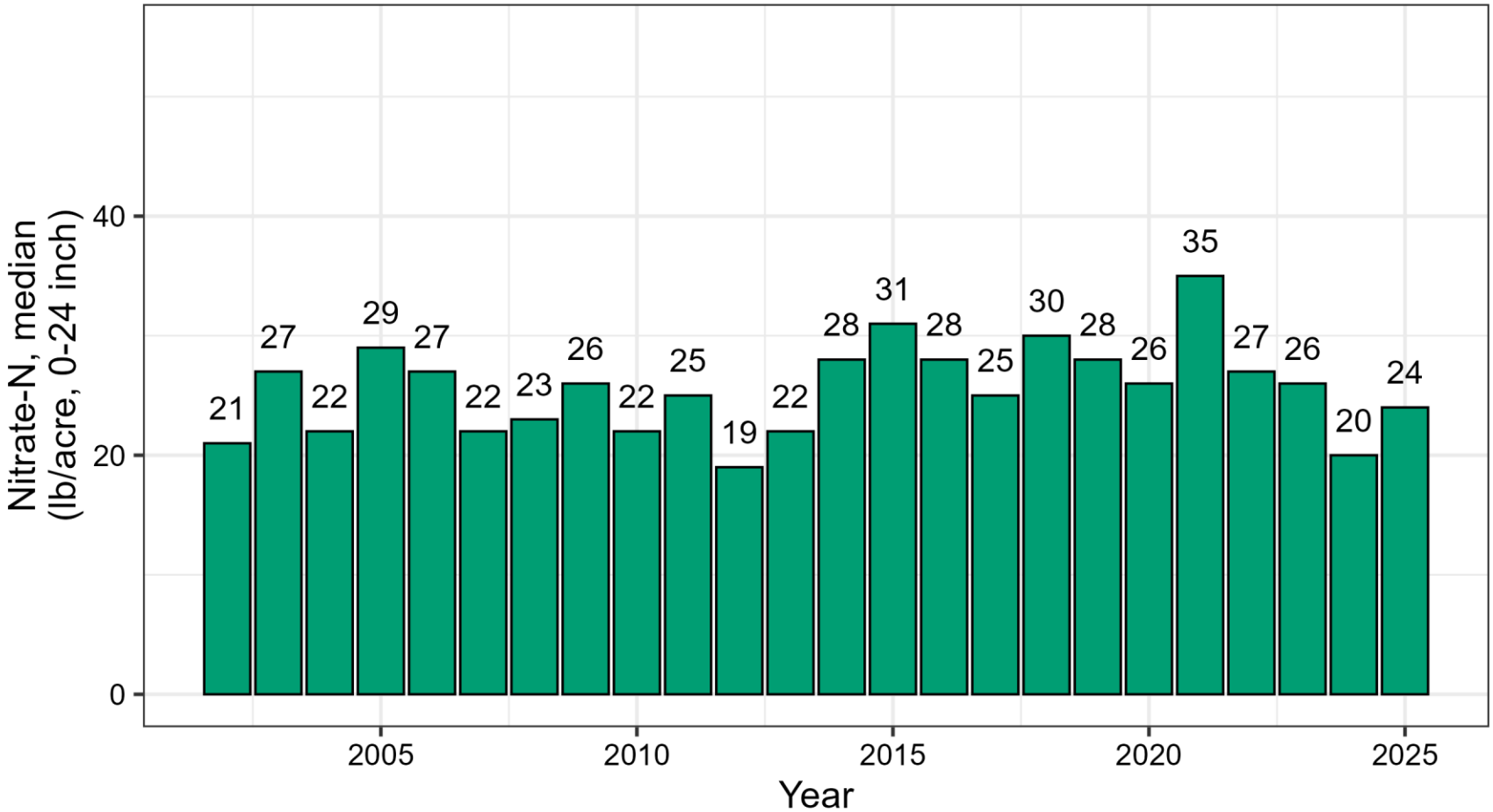
Nitrate-N, median
(lb/acre, 0-24 inch)

32.5
30.0
27.5
25.0
22.5

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

Residual nitrate following soybean

Trend from 2002 to 2025



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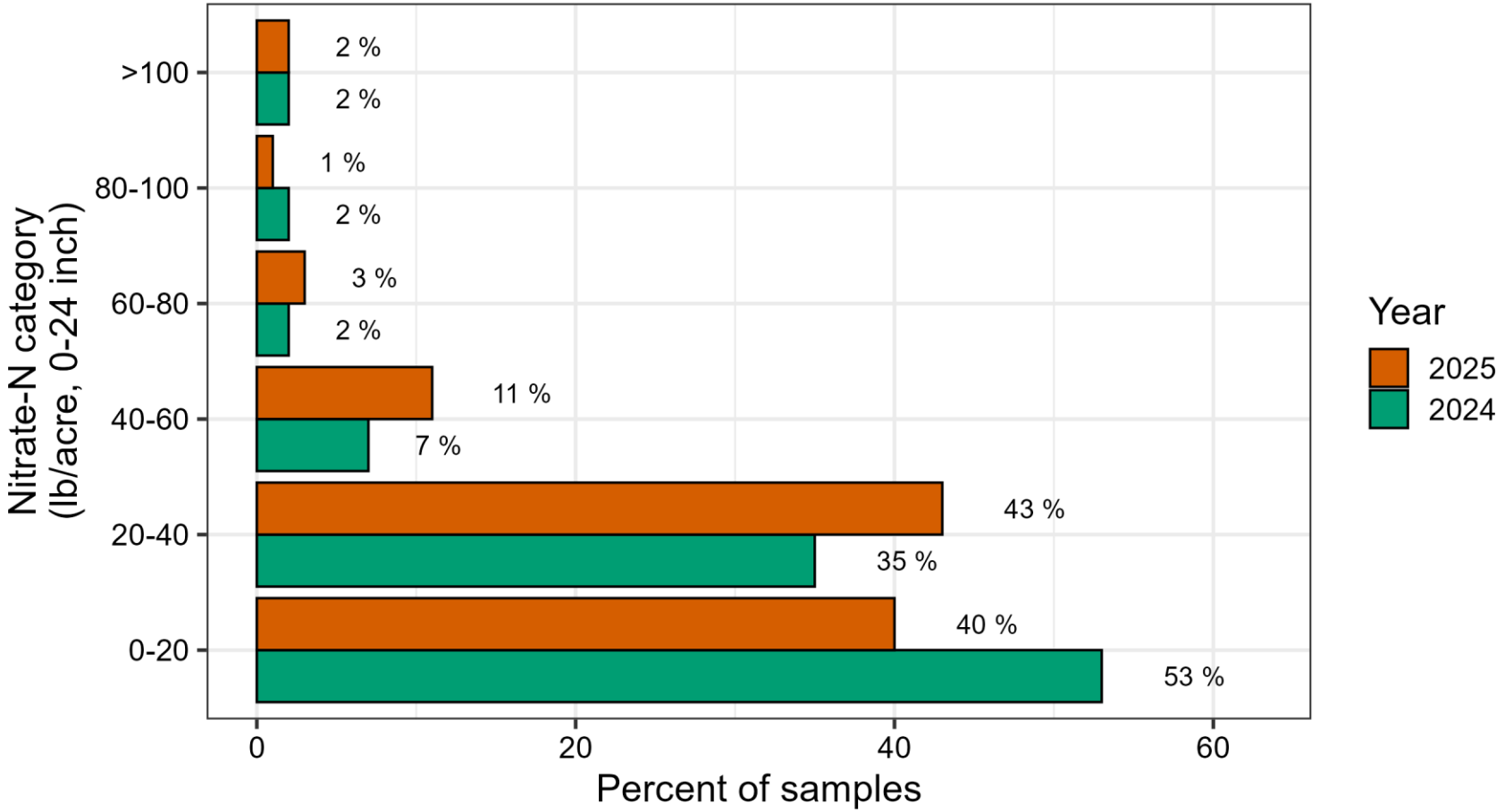
AGVISE Laboratories, Inc.

Residual nitrate variability following soybean in 2024 & 2025



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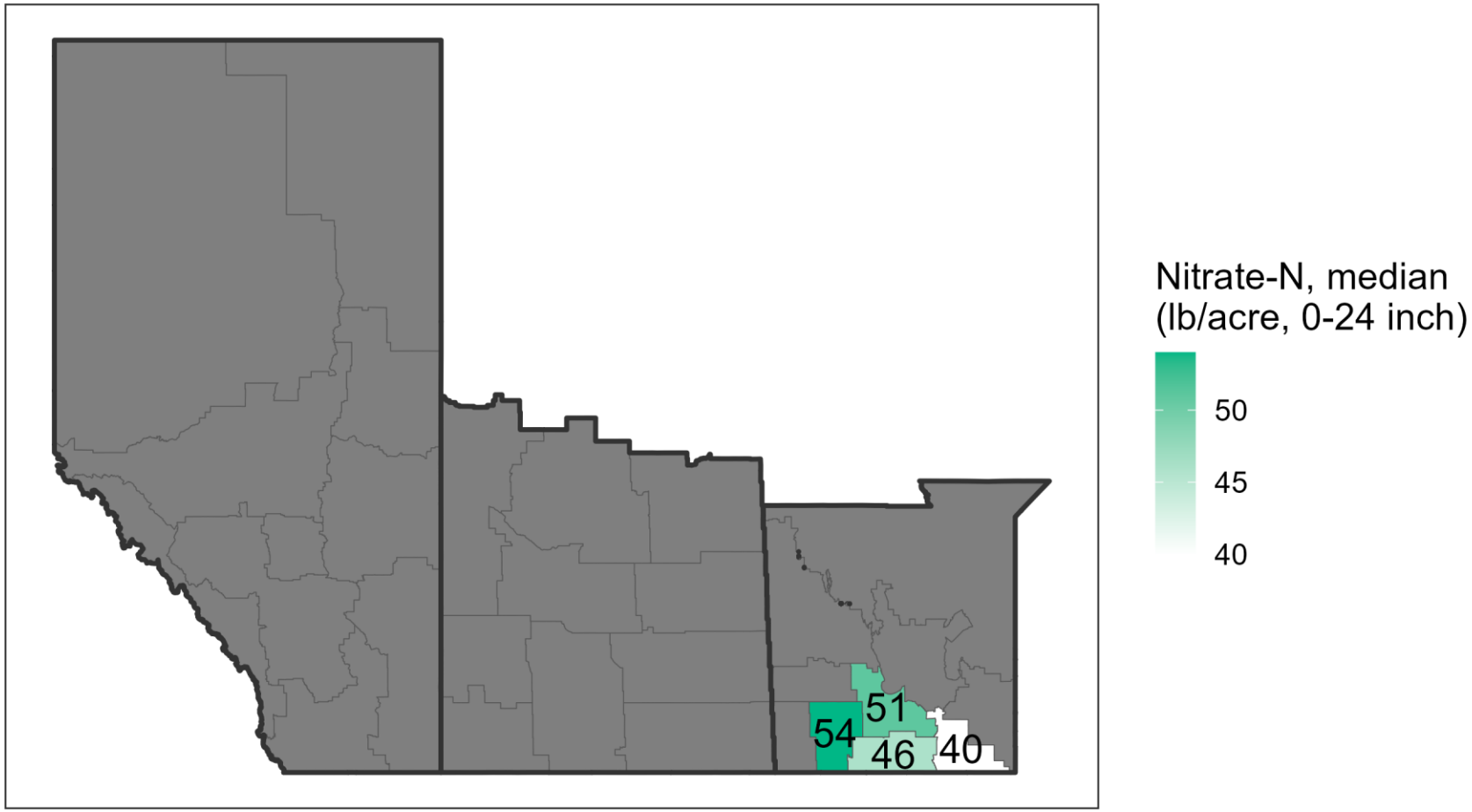
AGVISE Laboratories, Inc.

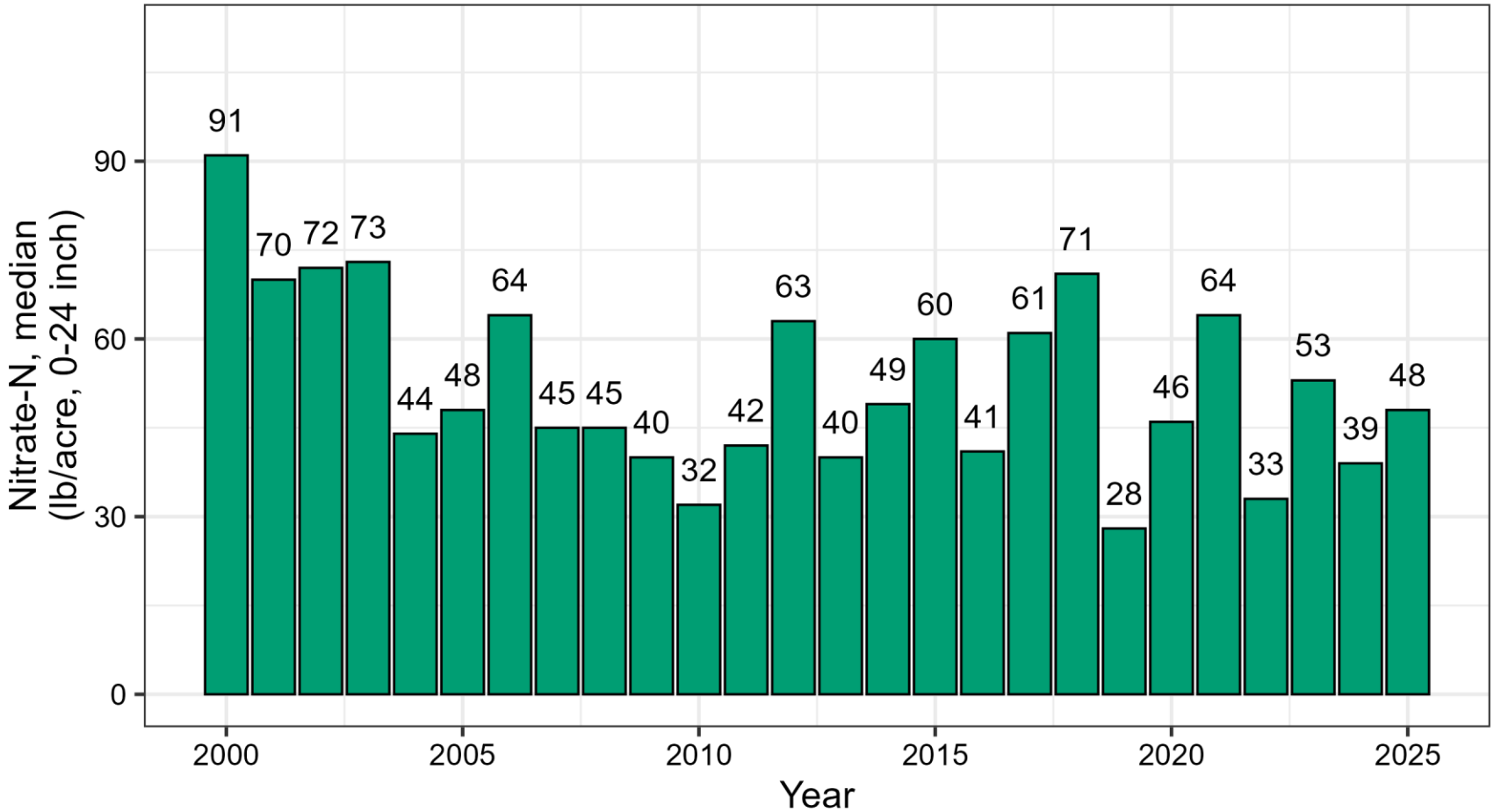
Residual nitrate following corn in 2025



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

Residual nitrate following corn

Trend from 2000 to 2025



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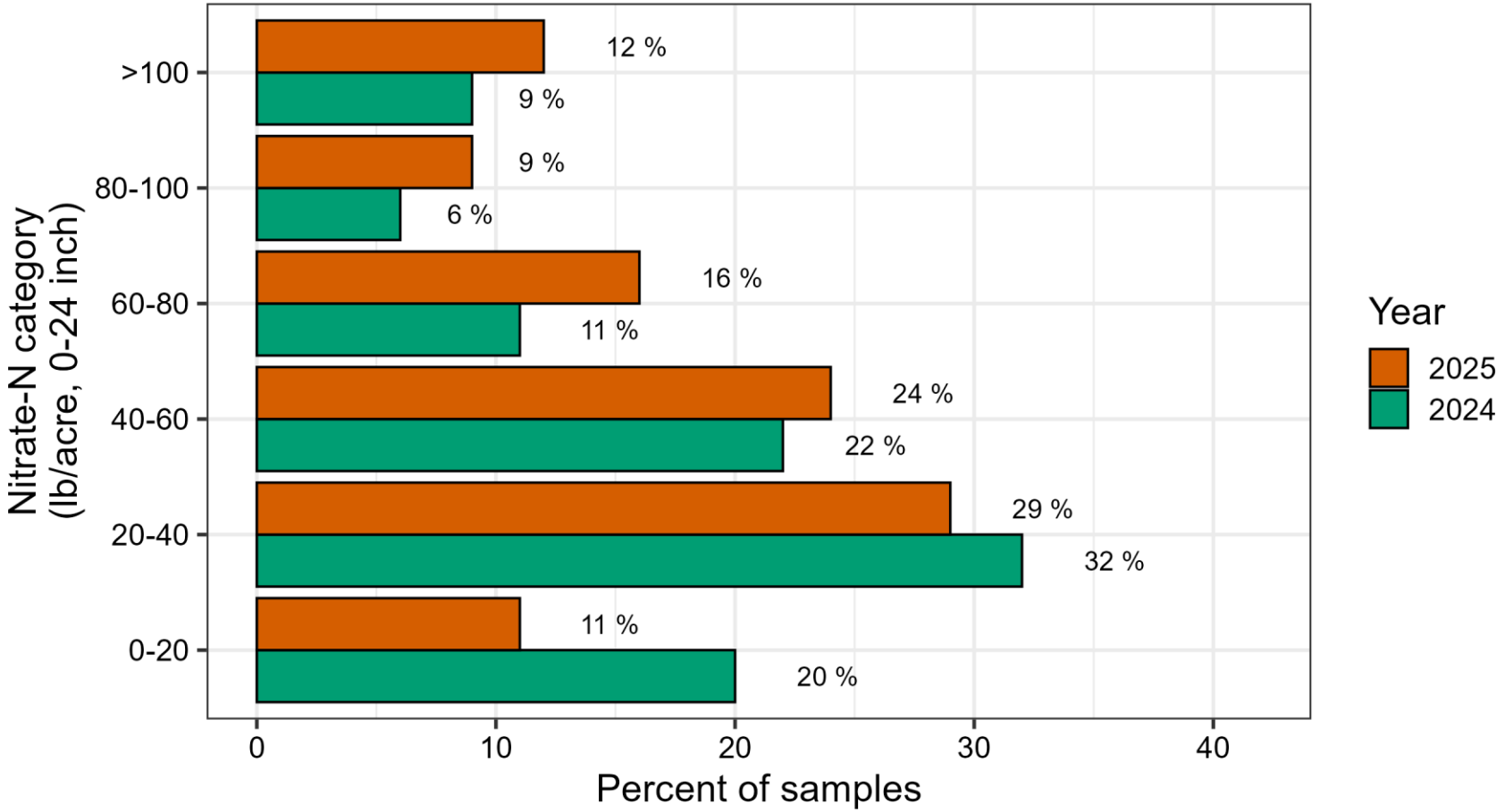
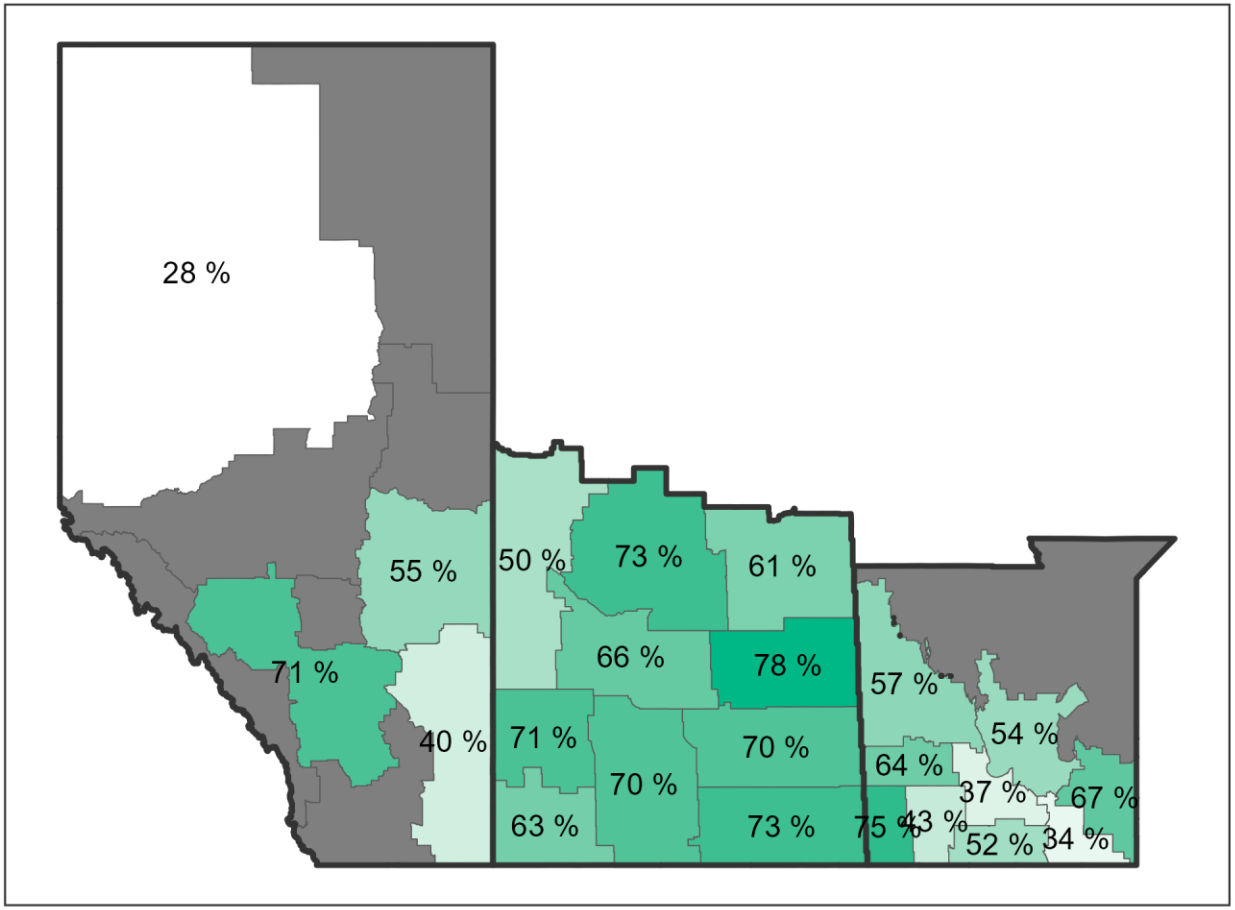
AGVISE Laboratories, Inc.

Residual nitrate variability following corn in 2024 & 2025



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

Soil samples with soil test phosphorus below 15 ppm (Olsen P) in 2025

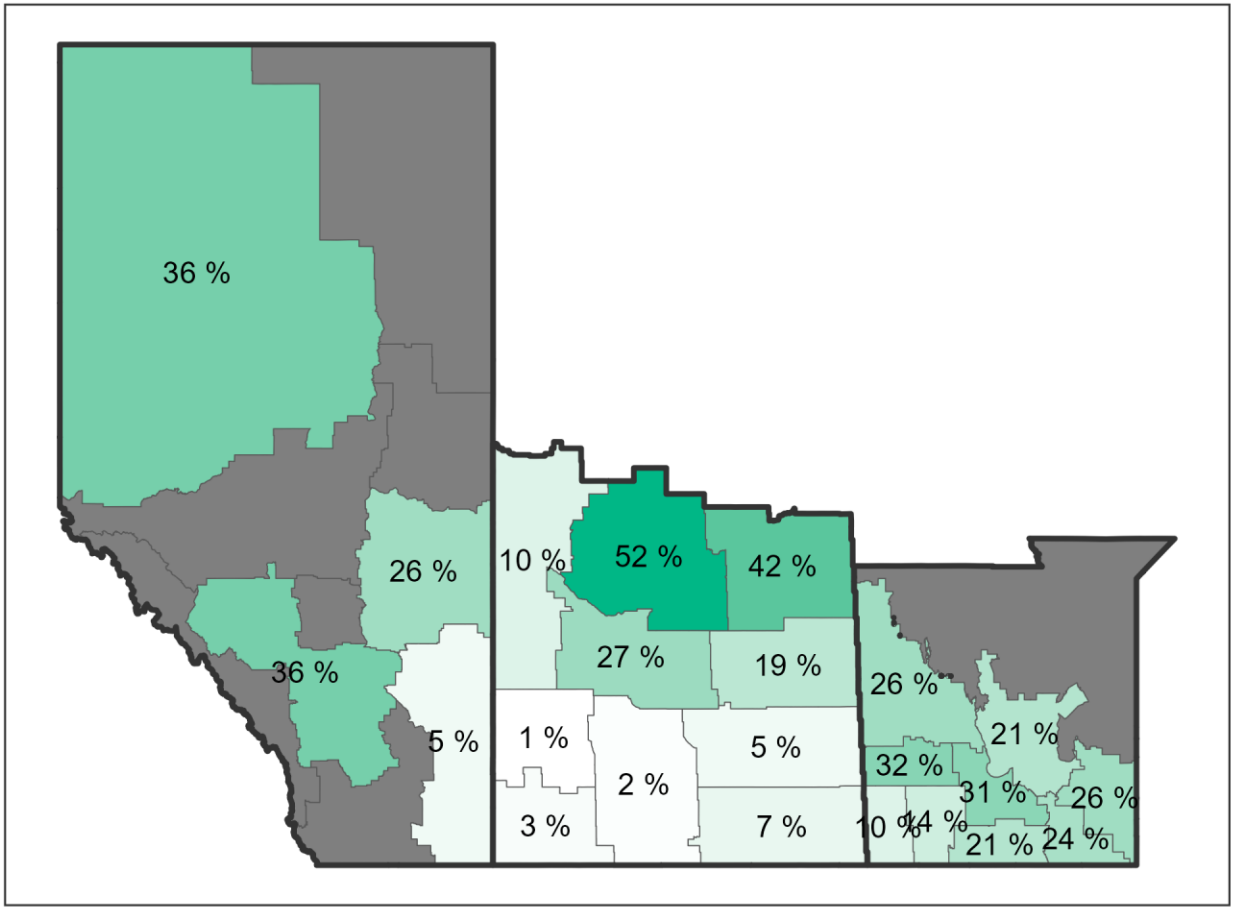


Percent of samples (0-6 inch)

70
60
50
40
30

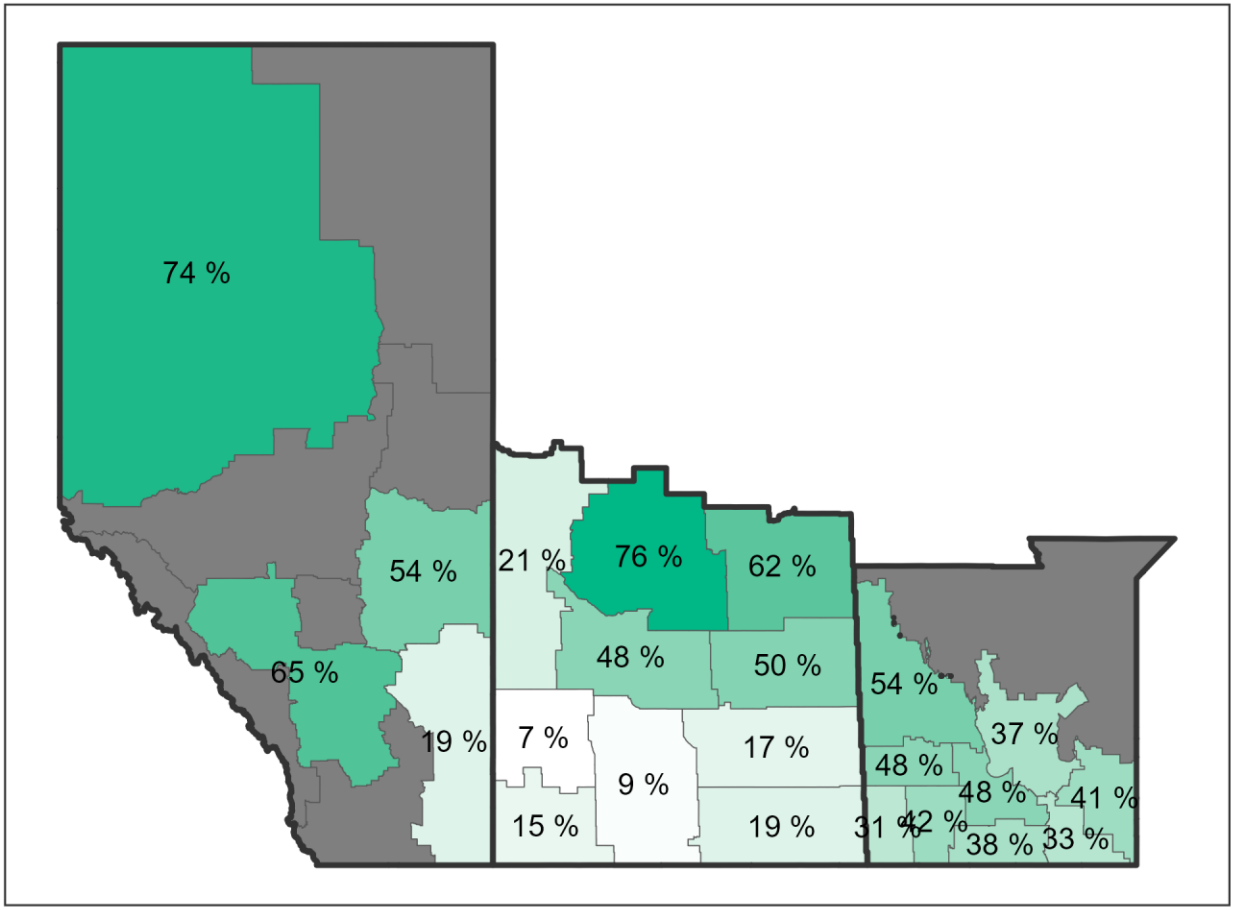
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test potassium below 150 ppm in 2025



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

Soil samples with soil test potassium below 200 ppm in 2025



Percent of samples (0-6 inch)

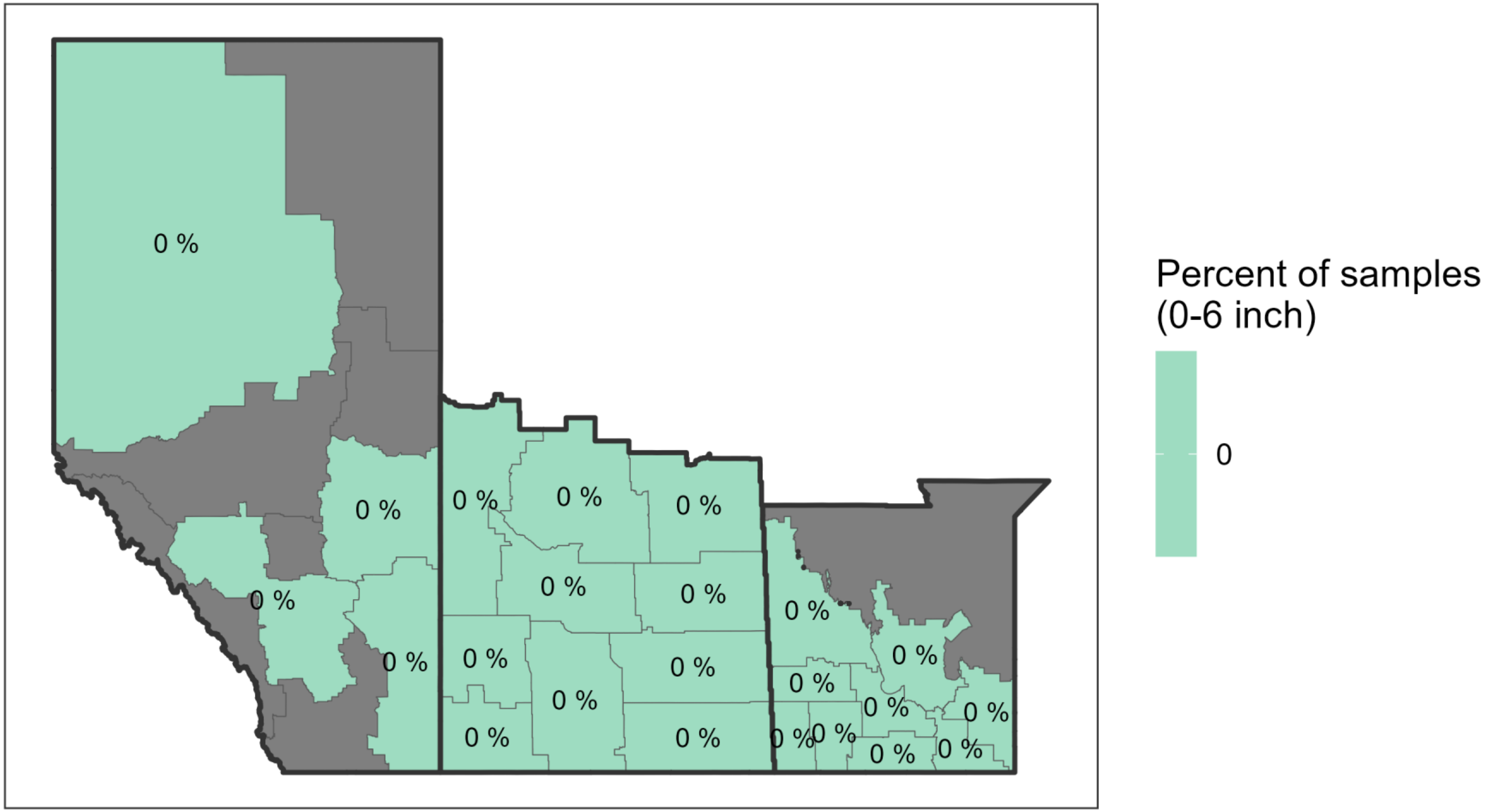
60

40

20

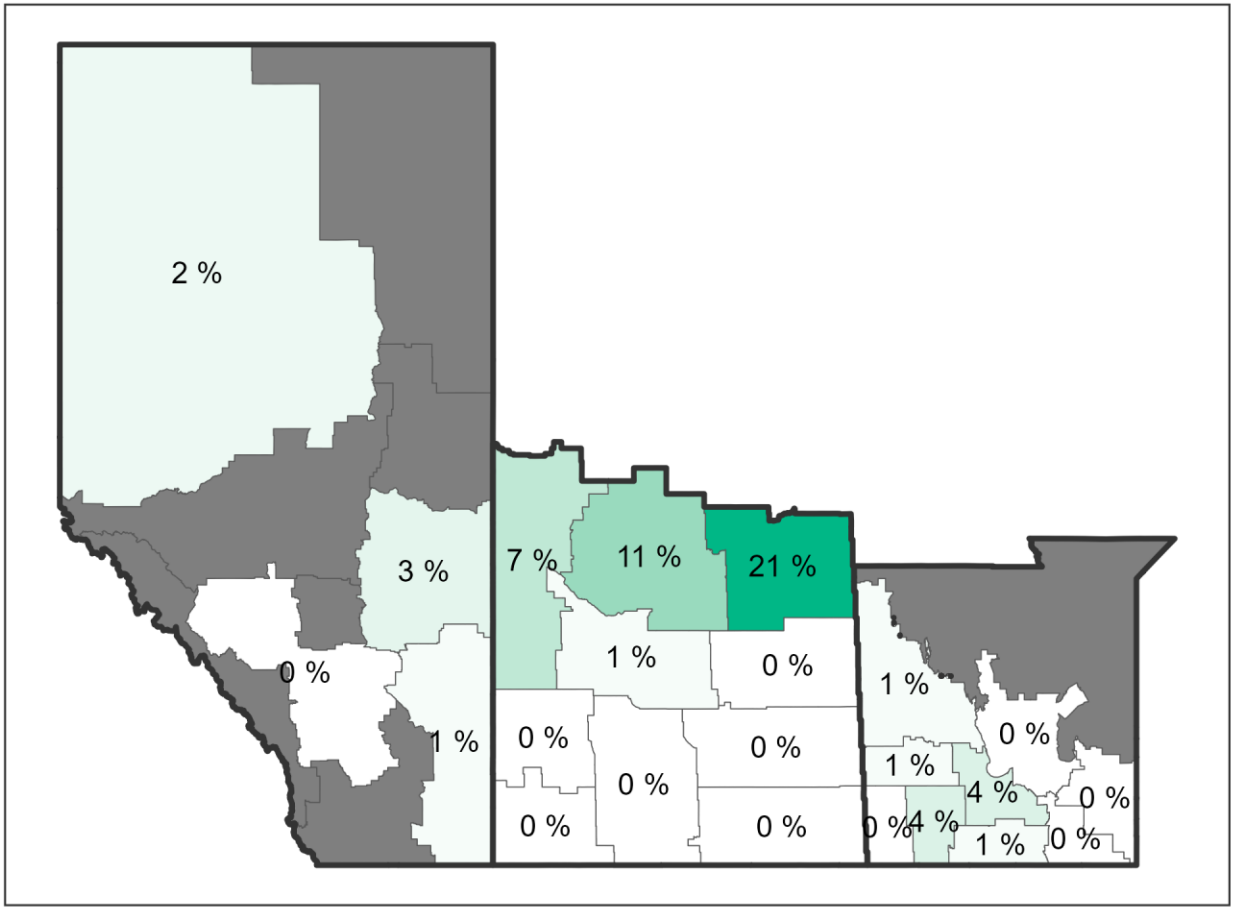
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test calcium below 500 ppm in 2025



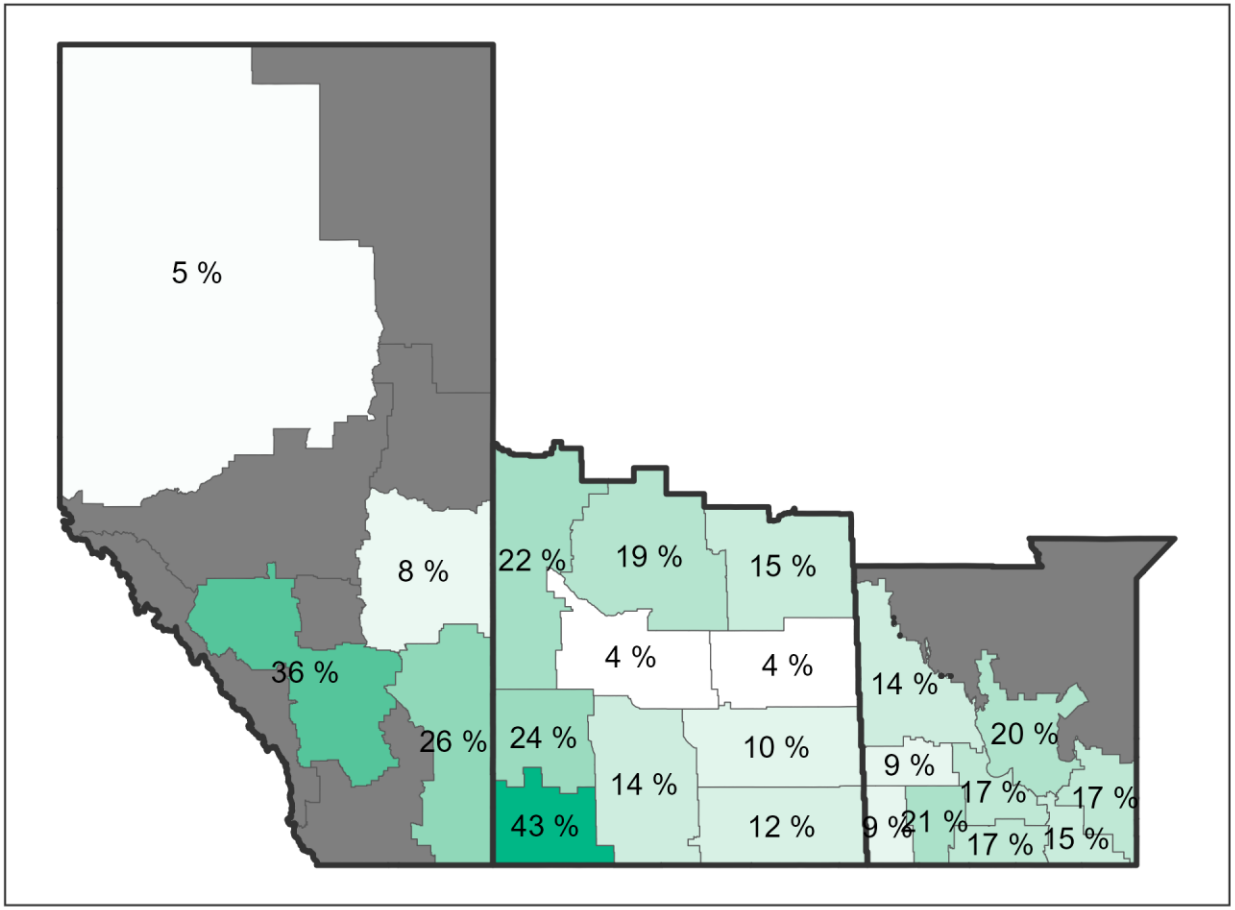
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test magnesium below 150 ppm in 2025



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

Soil samples with soil test sulfur below 15 lb/acre in 2025

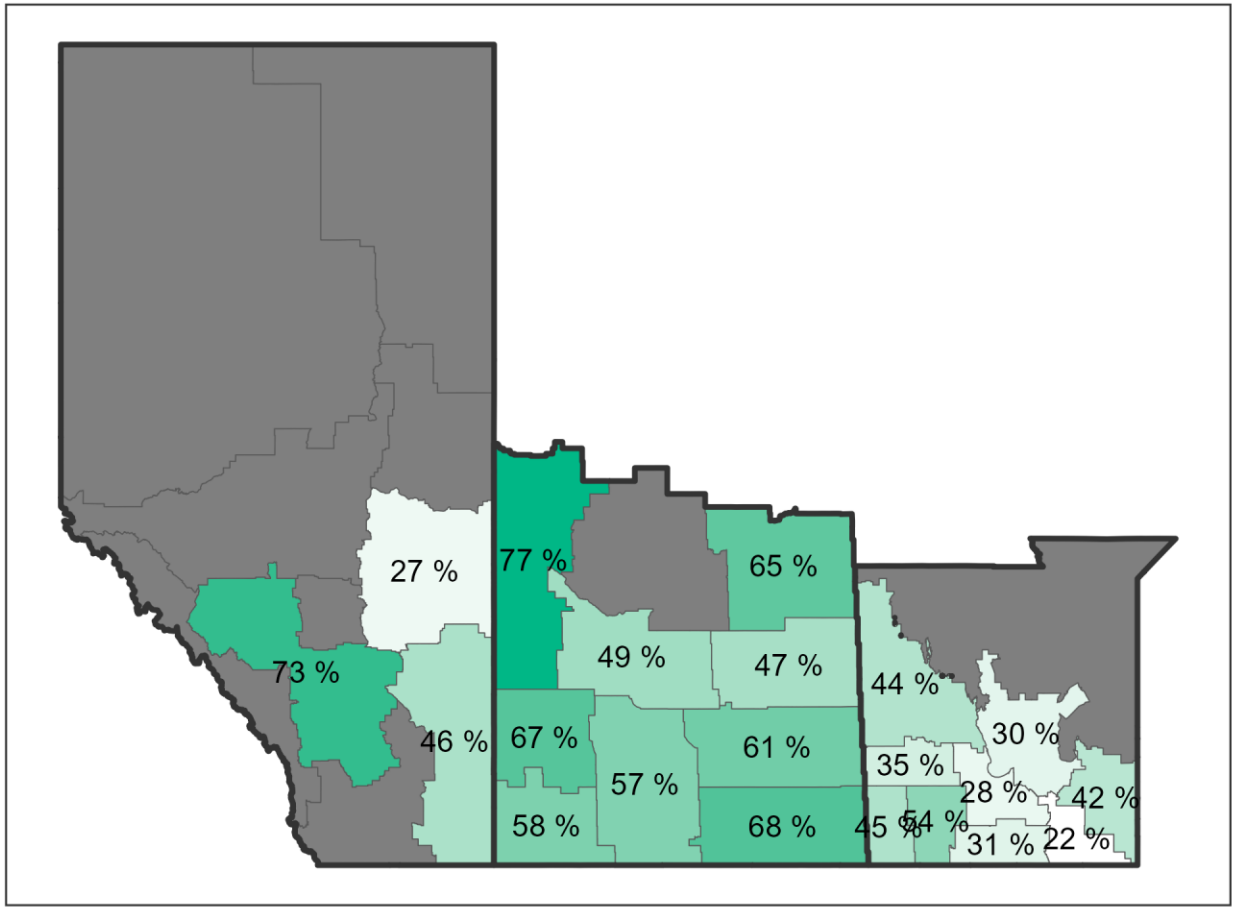


Percent of samples (0-6 inch)

40
30
20
10

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

Soil samples with soil test chloride below 40 lb/acre in 2025

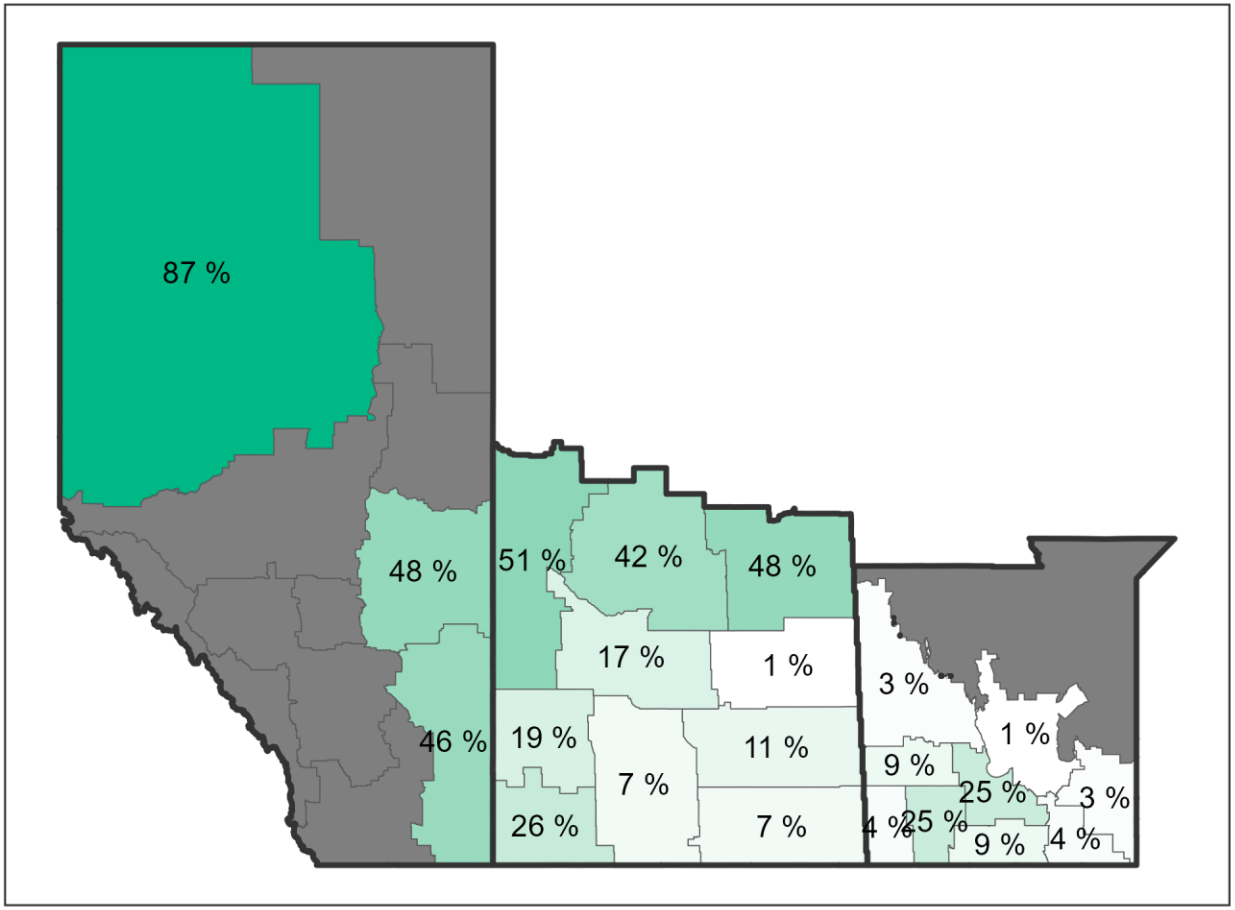


Percent of samples (0-24 inch)

70
60
50
40
30

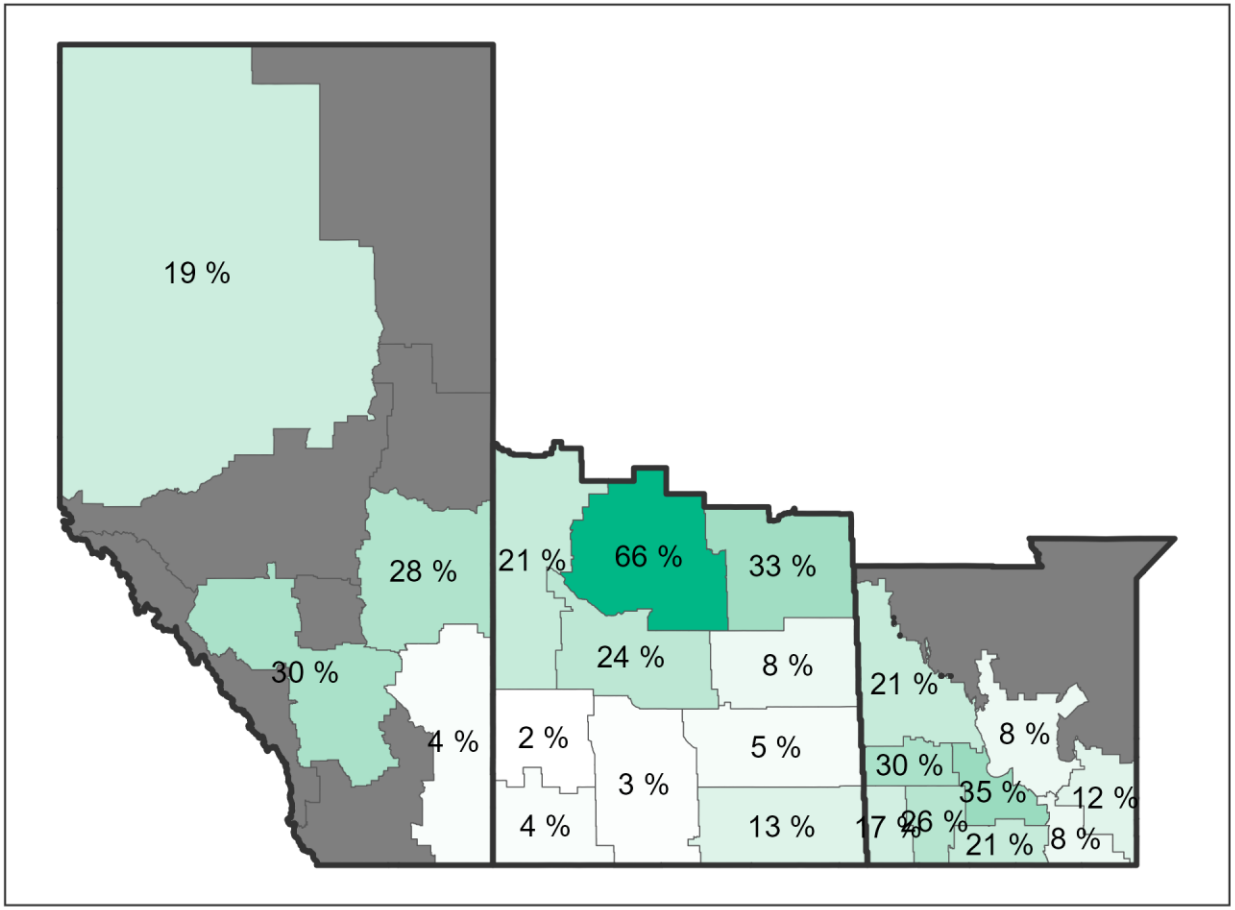
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil test boron below 0.4 ppm in 2025



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

Soil samples with soil test copper below 0.5 ppm in 2025



Percent of samples (0-6 inch)

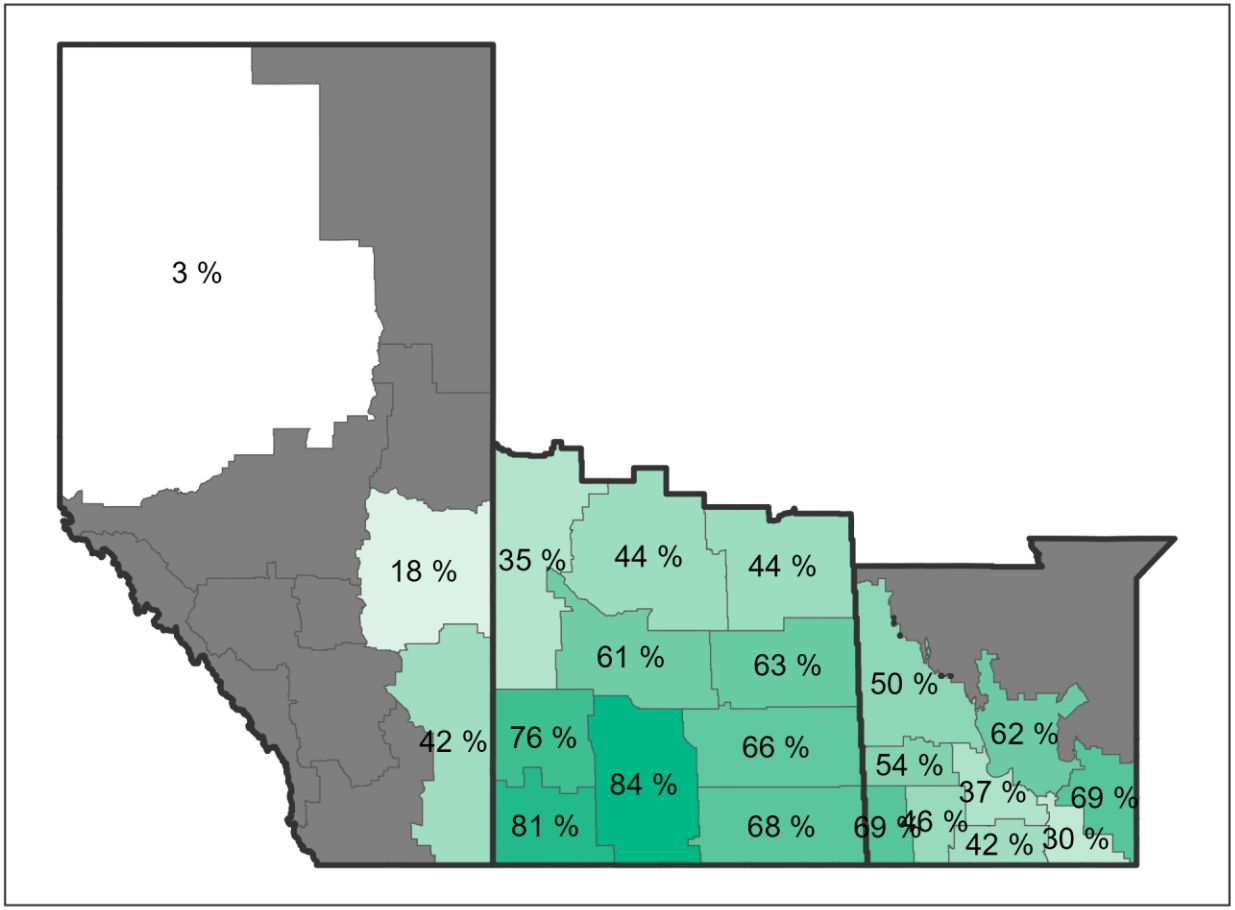
60

40

20

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

Soil samples with soil test zinc below 1.0 ppm in 2025

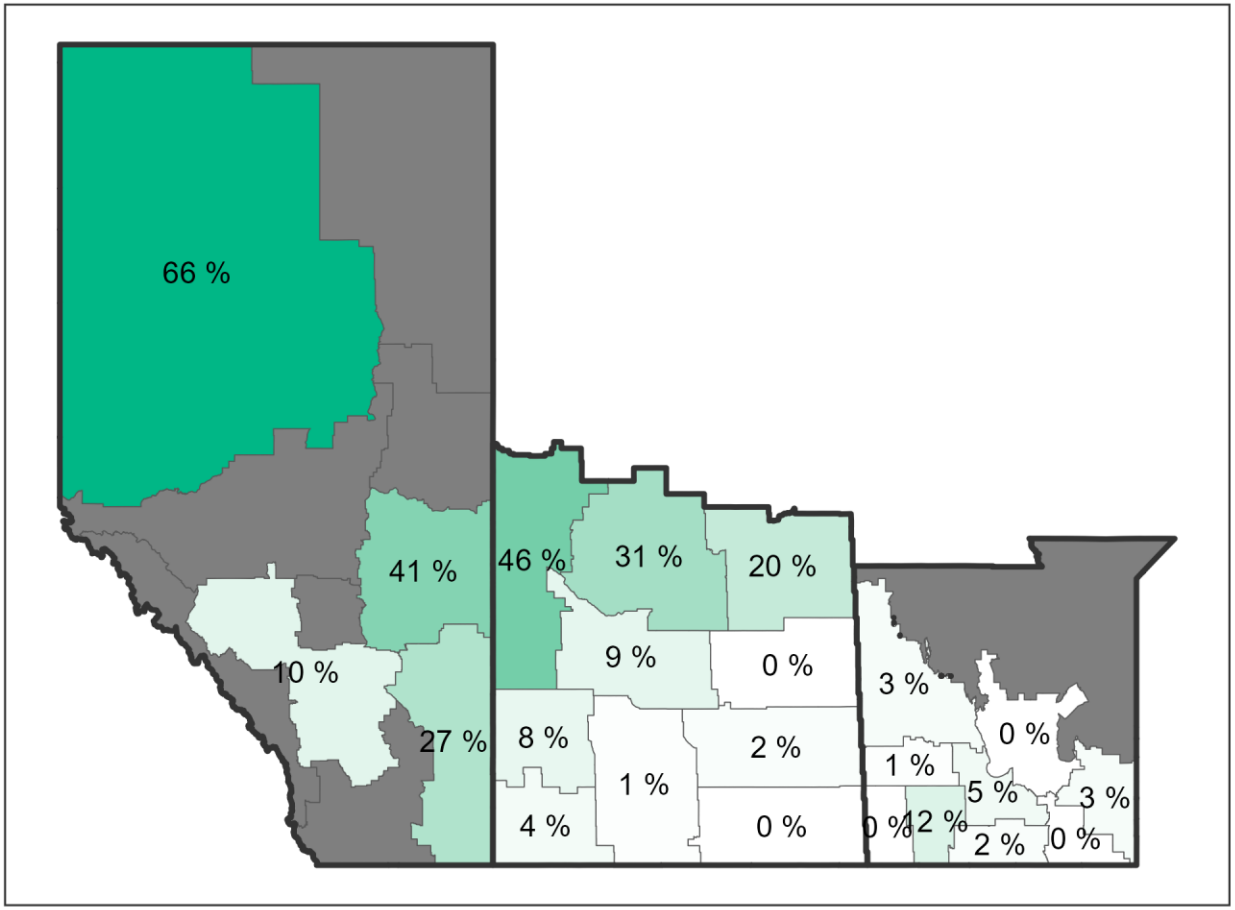


Percent of samples (0-6 inch)

80
60
40
20

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

Soil samples with soil pH below 6.0 in 2025

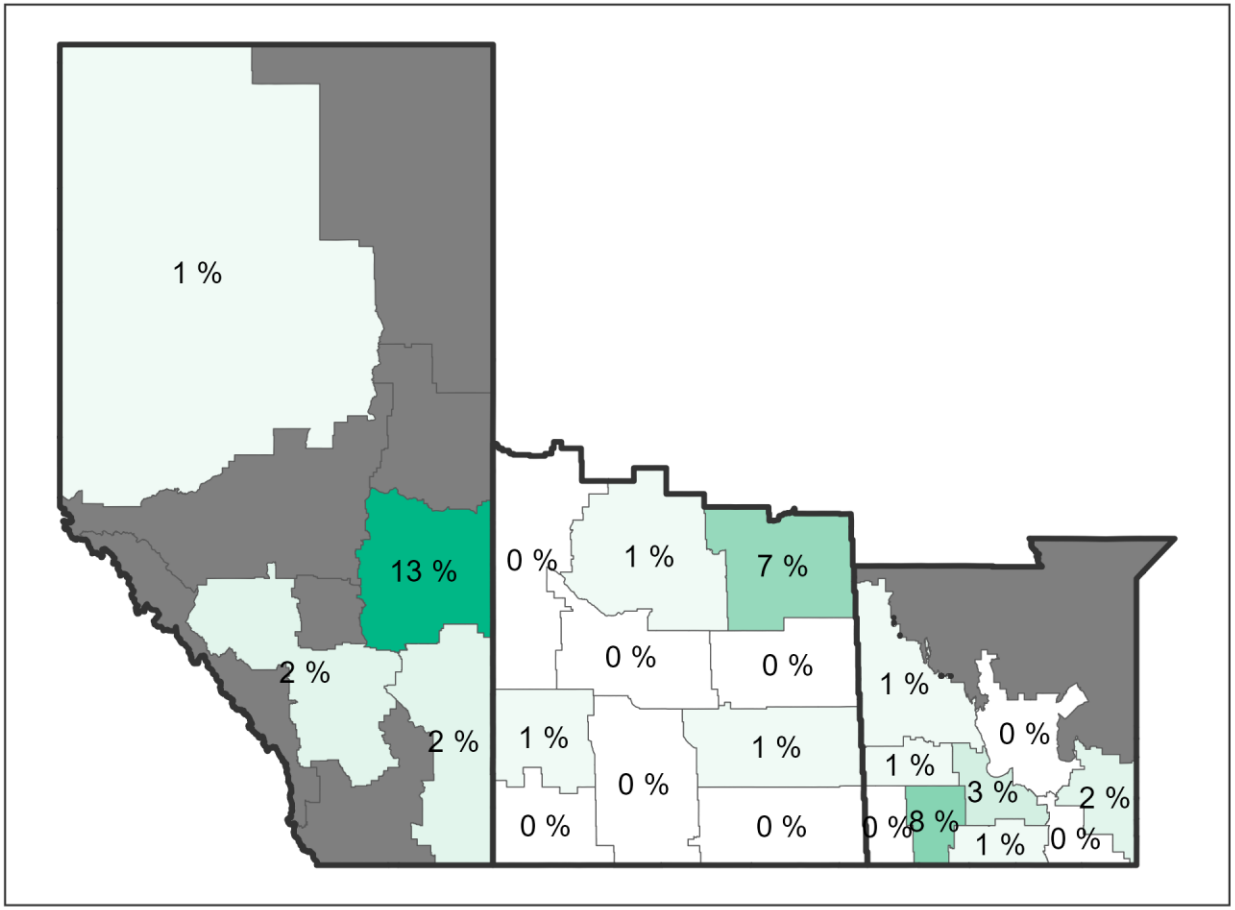


Percent of samples (0-6 inch)

60
40
20
0

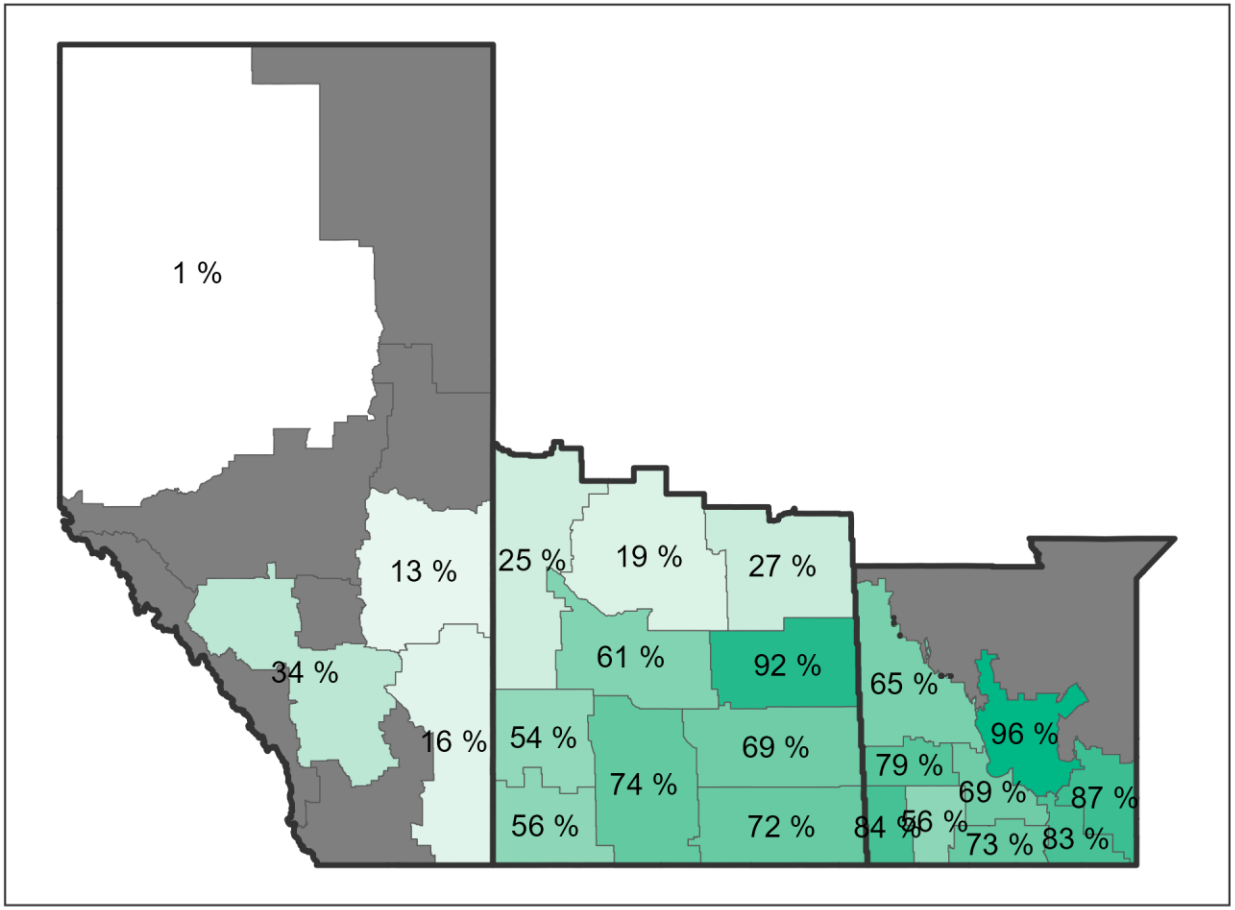
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with subsoil pH below 7.0 in 2025



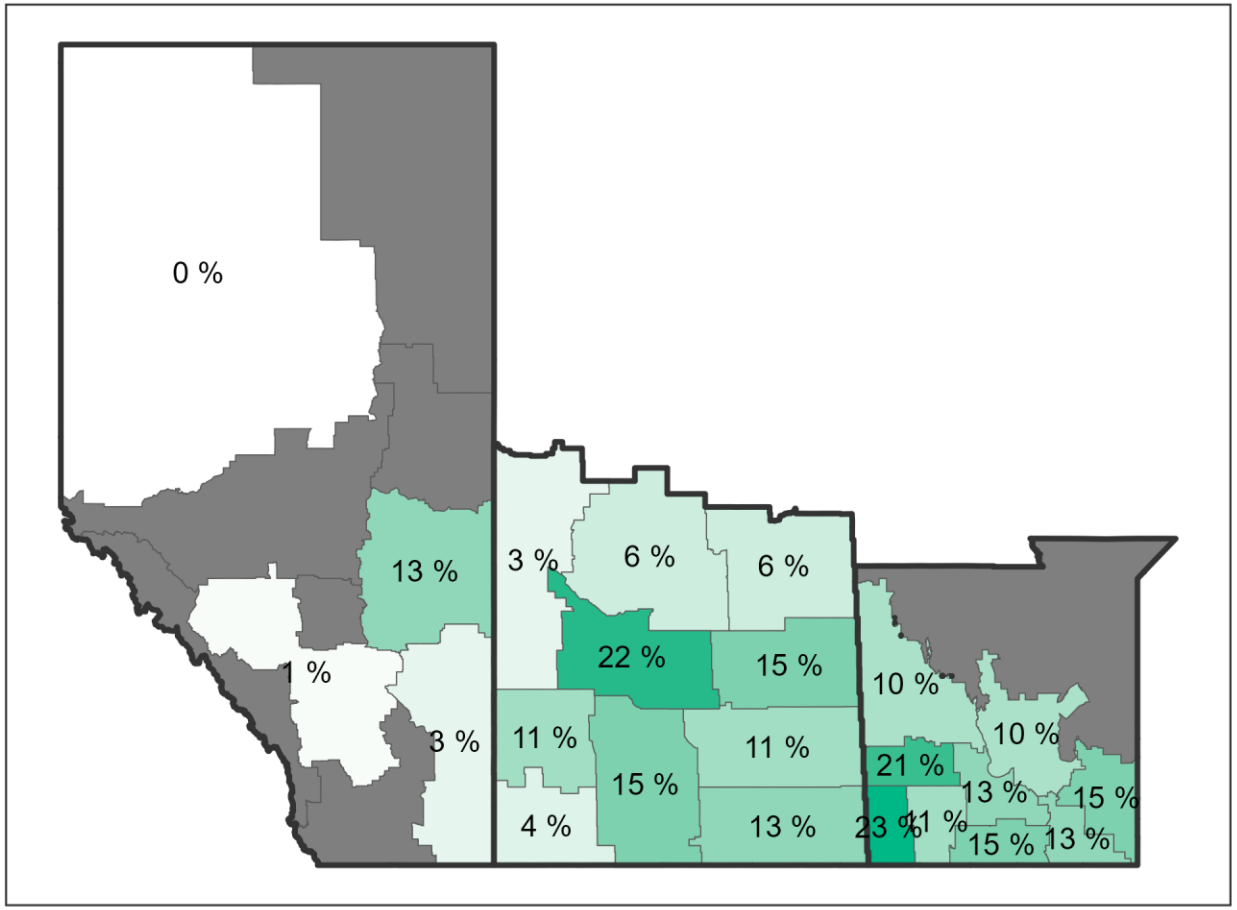
Data not shown where n< 100
AGVISE Laboratories, Inc.

Soil samples with soil pH above 7.3 in 2025



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

Soil samples with salinity above 1.0 dS/m (1:1) in 2025

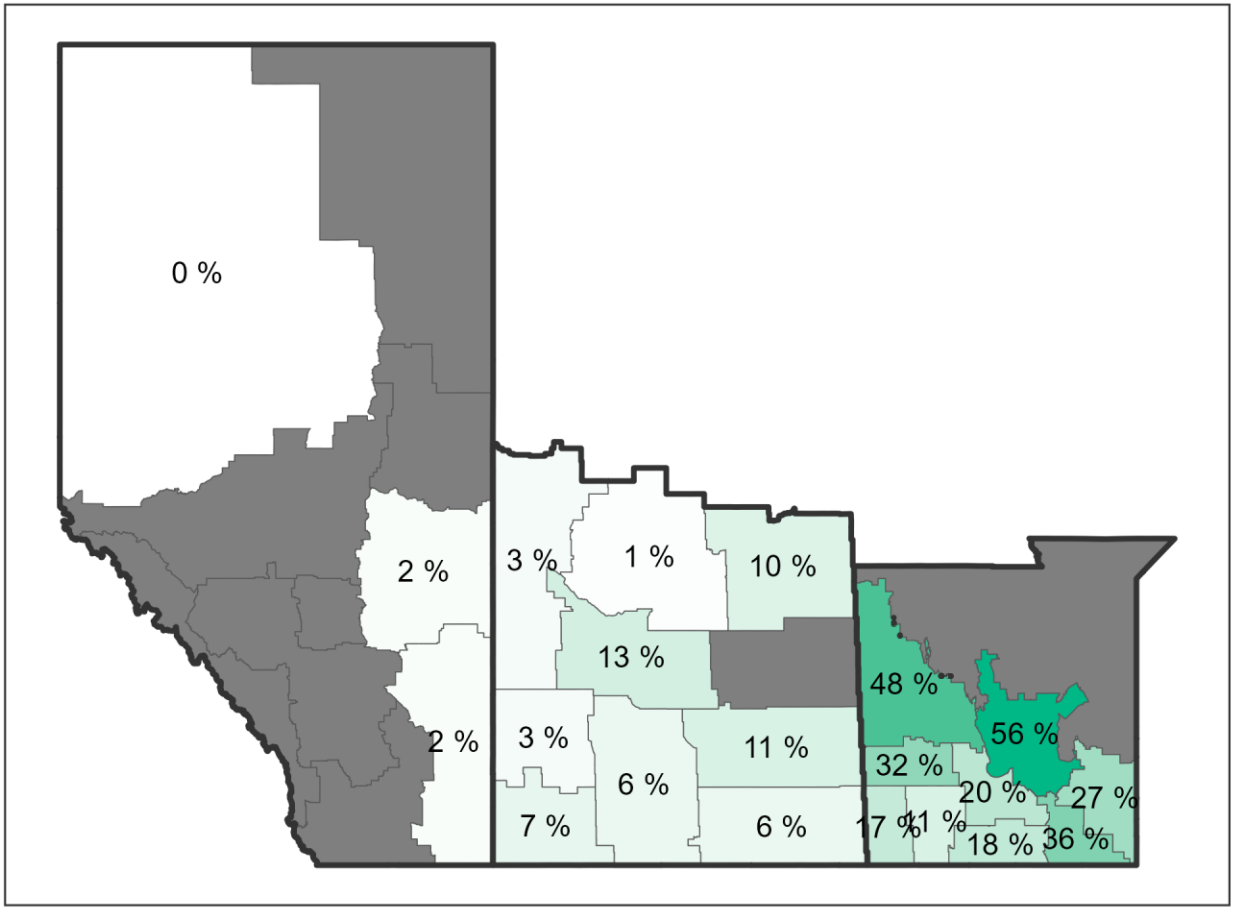


Percent of samples (0-6 inch)

20
15
10
5
0

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

Soil samples with calcium carbonate above 5.0 % CCE in 2025

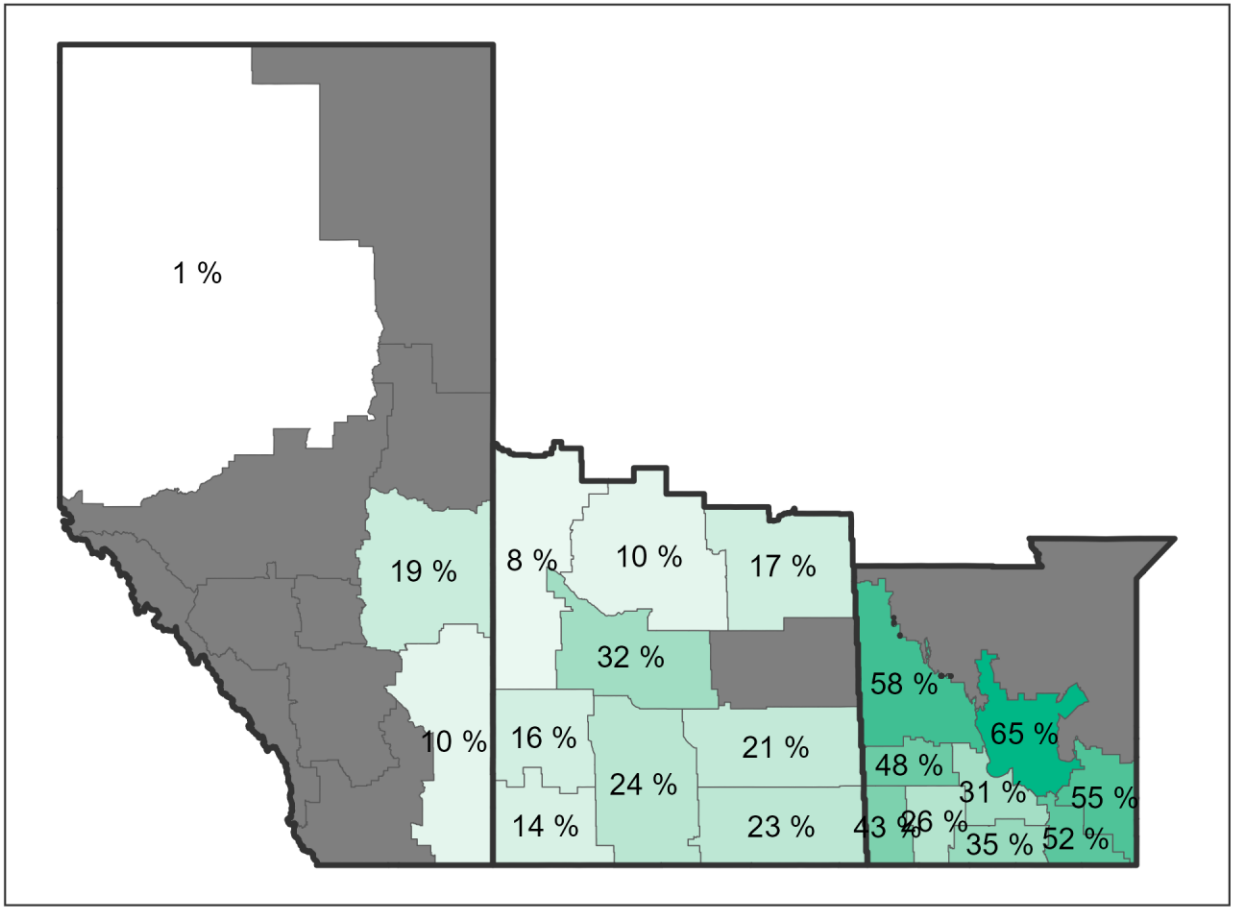


Percent of samples (0-6 inch)

50
40
30
20
10
0

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

Soil samples with high soybean iron deficiency chlorosis risk in 2025

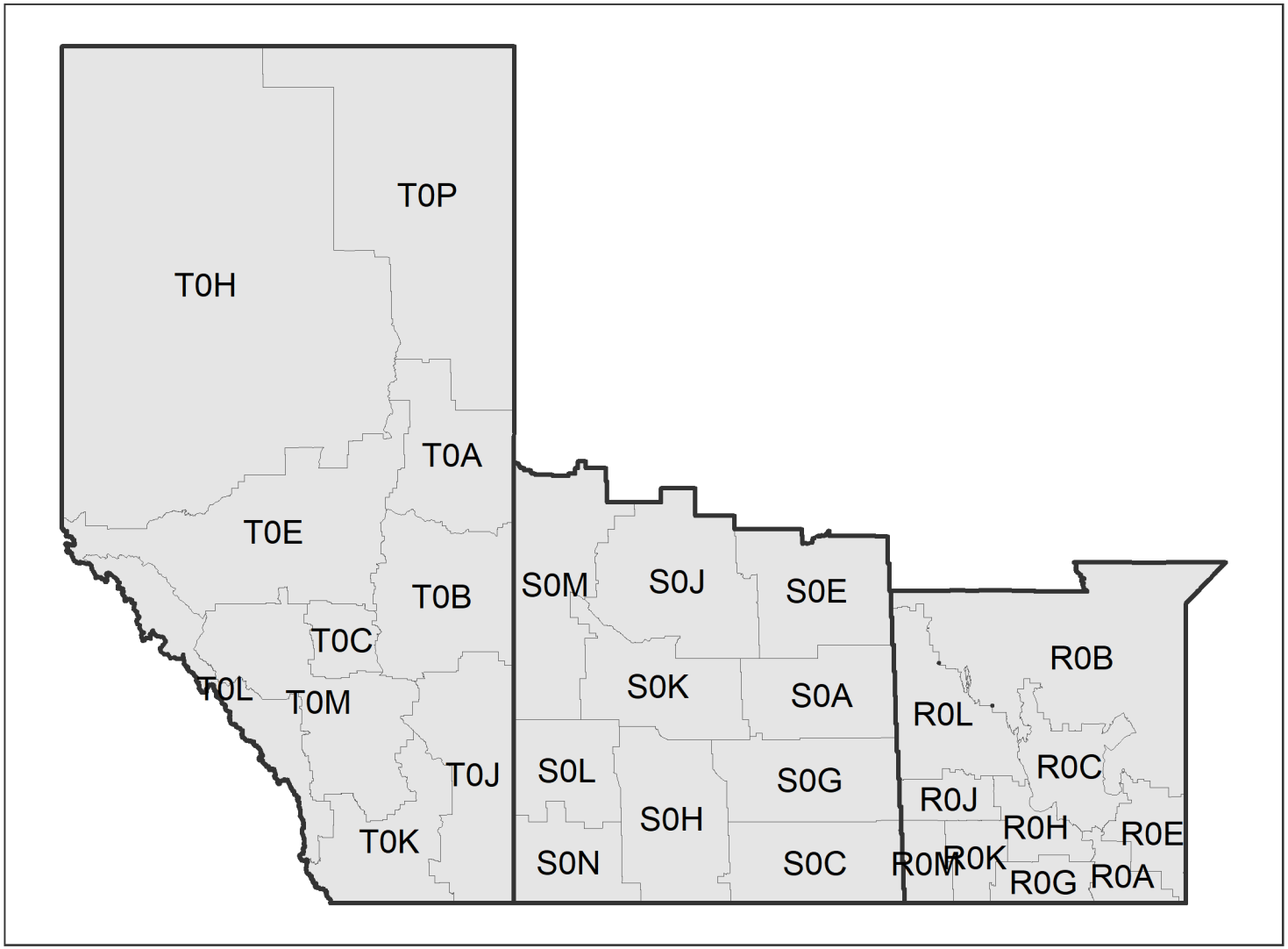


Percent of samples (0-6 inch)

60

40

20

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

Postal code areas for soil test summary