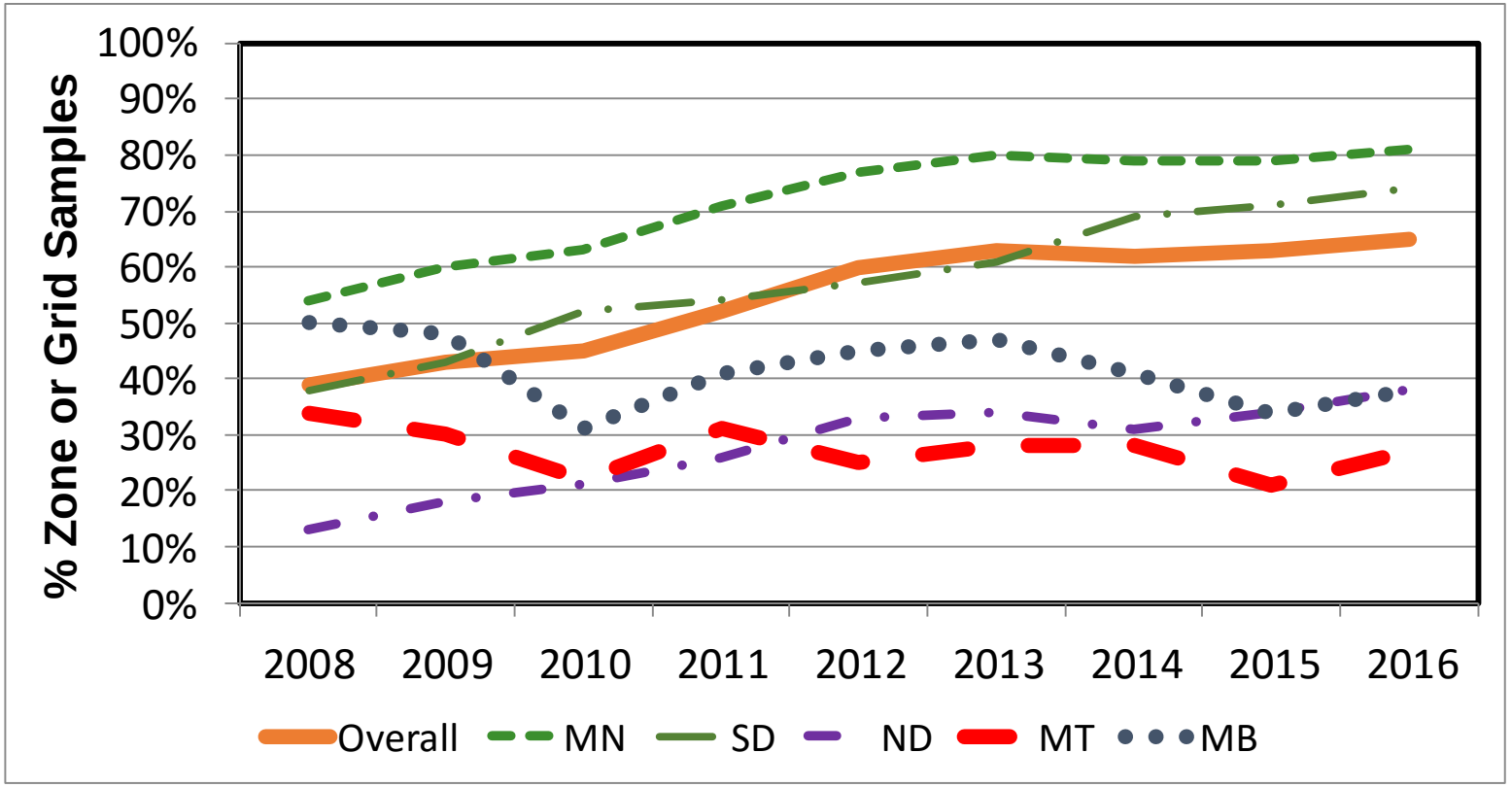
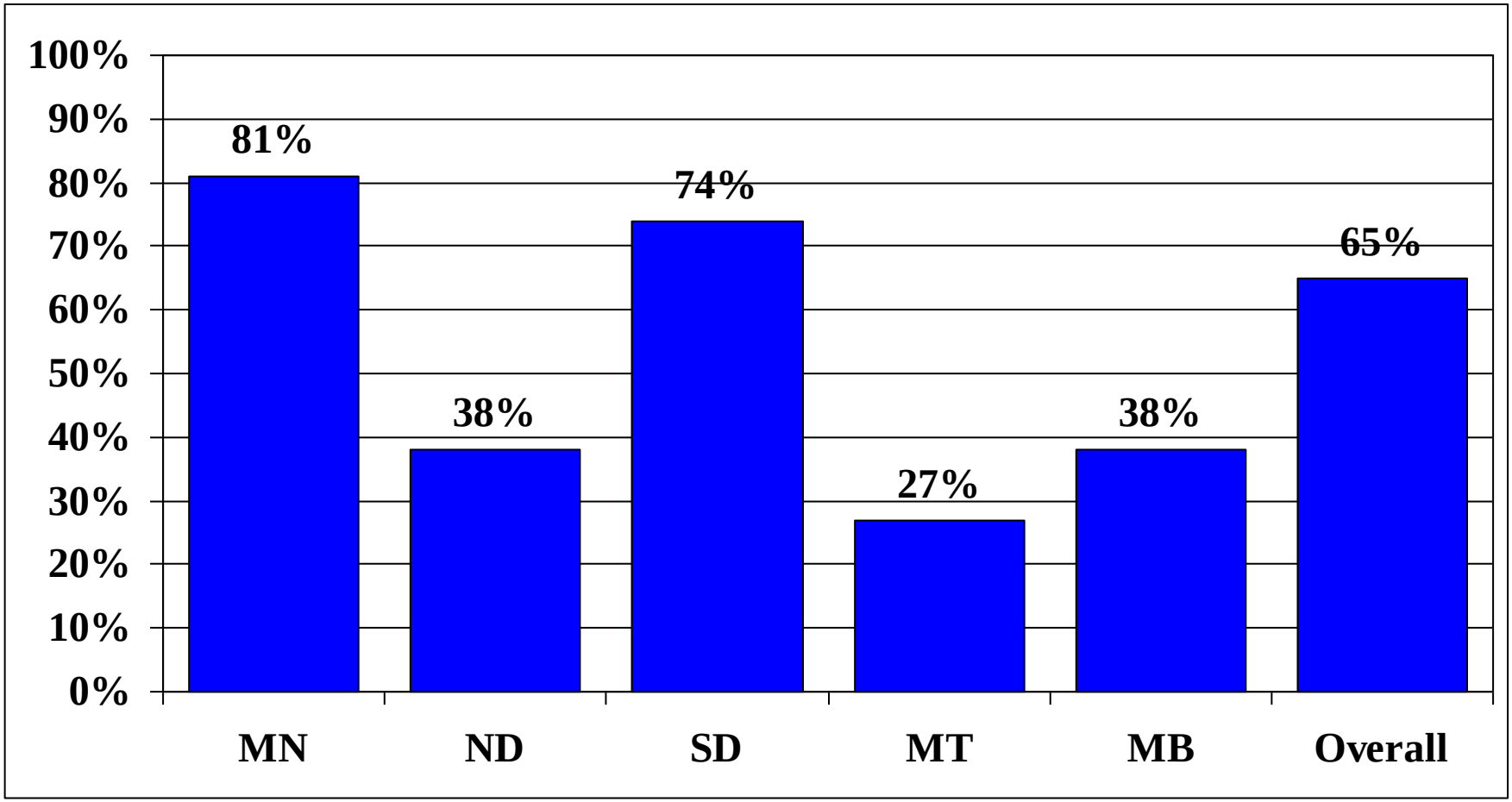
Trend for Precision Soil Testing

% Zone or Grid Samples Tested compared to Total Samples



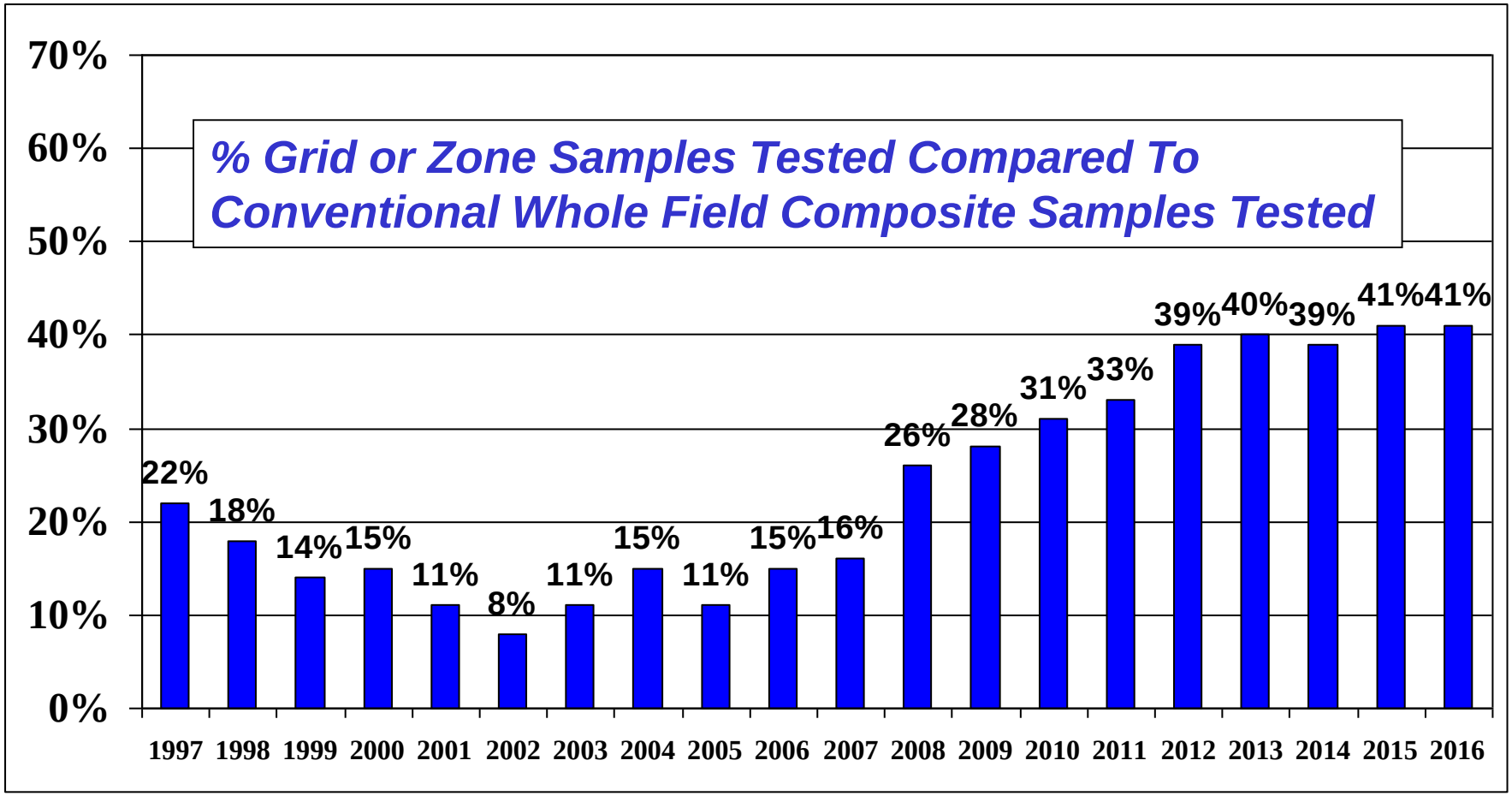
AGVISE LABORATORIES

%Zone or Grid Samples Tested Compared to Conventional Whole Field Composite Samples in 2016

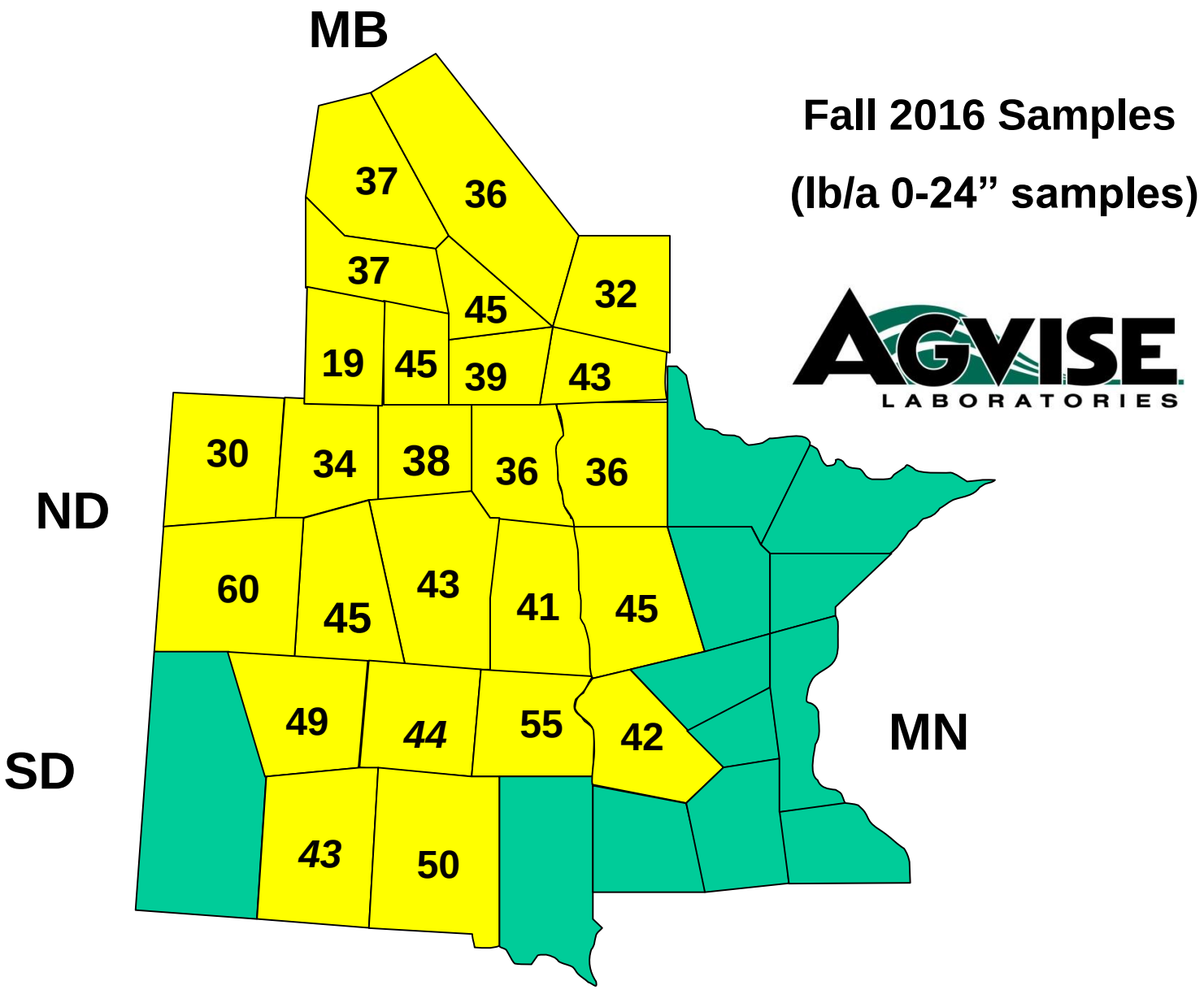


AGVISE Laboratories

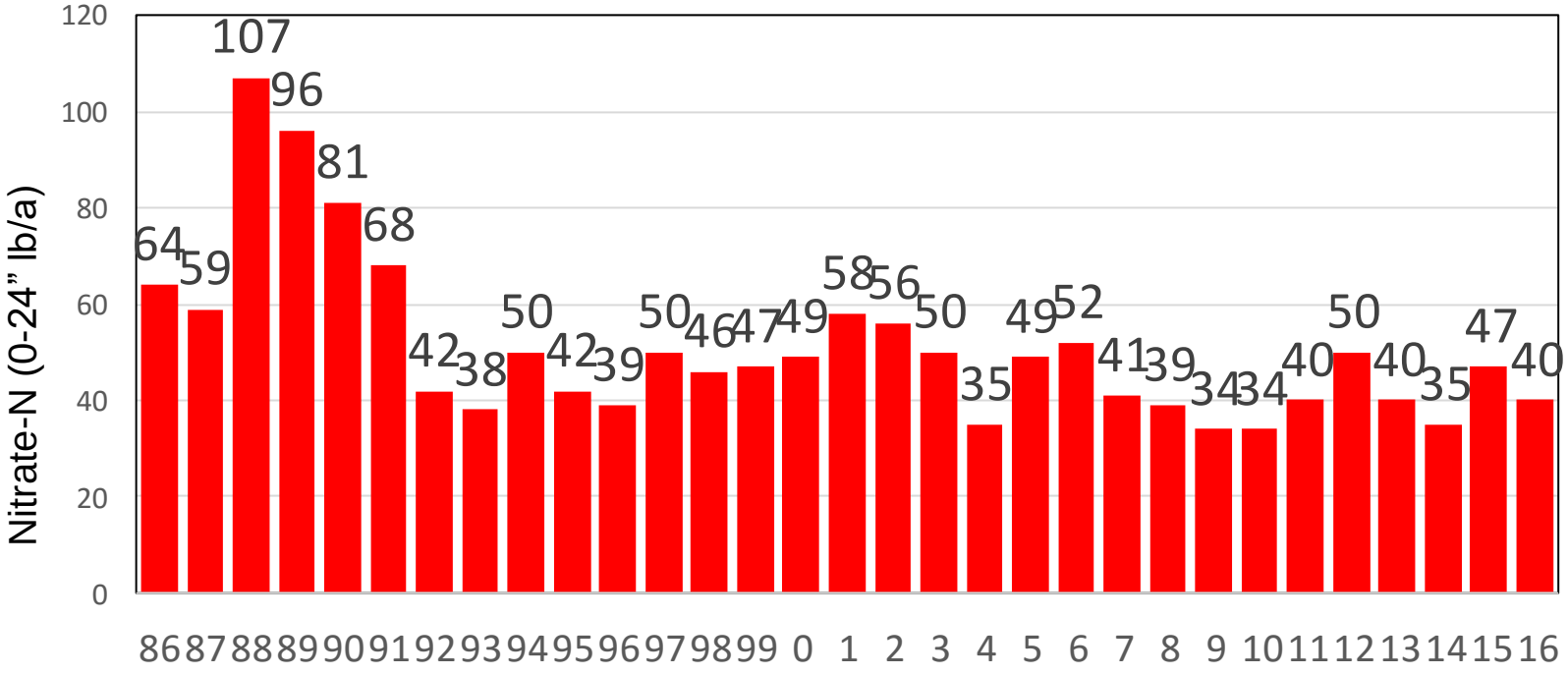
%Zone or Grid Samples – Northwood laboratory
1997 - 2016



Average Soil Nitrate following Wheat in 2016

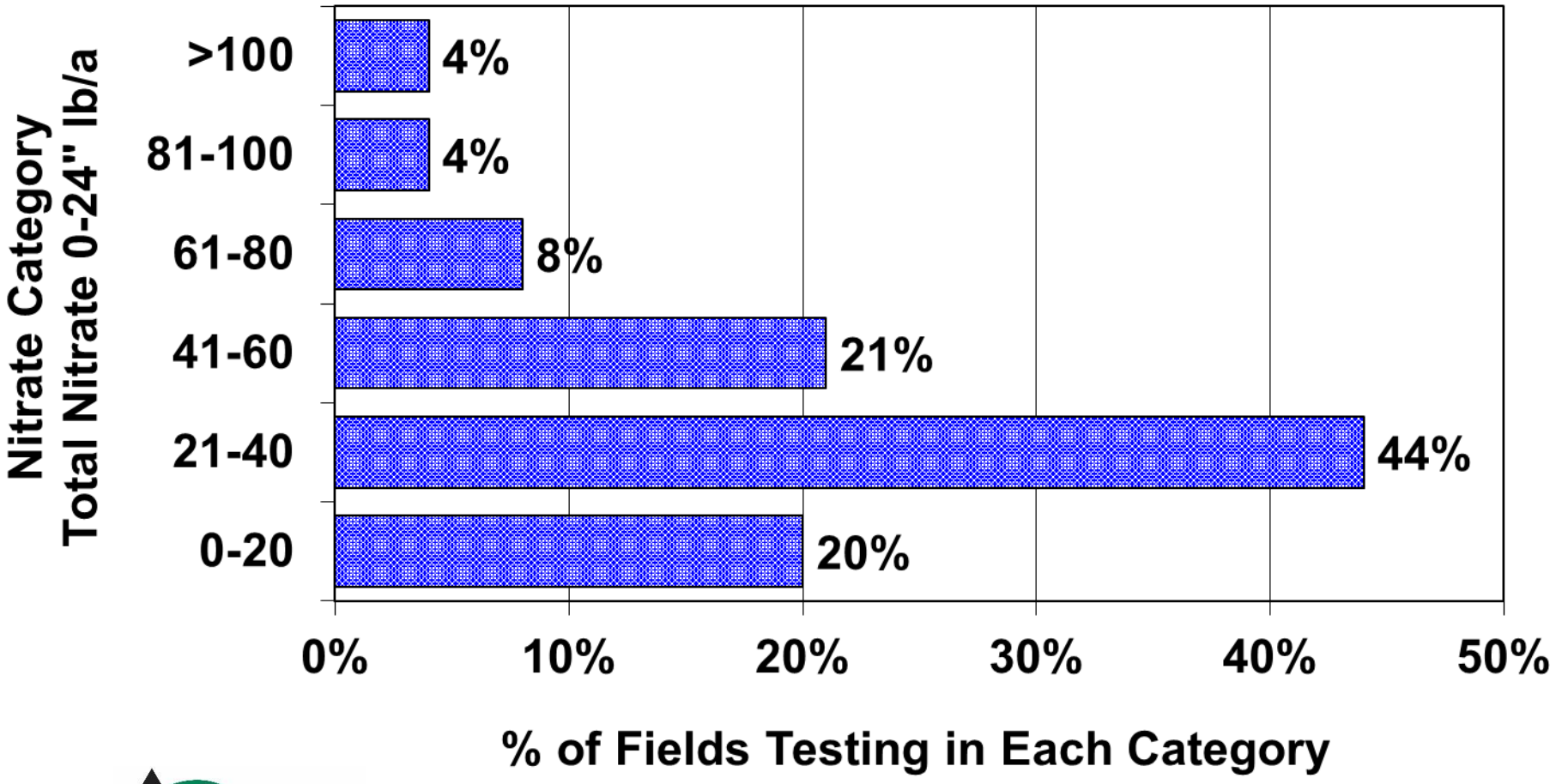


Average Soil Nitrate Following "Wheat" in Canada 1986 - 2016



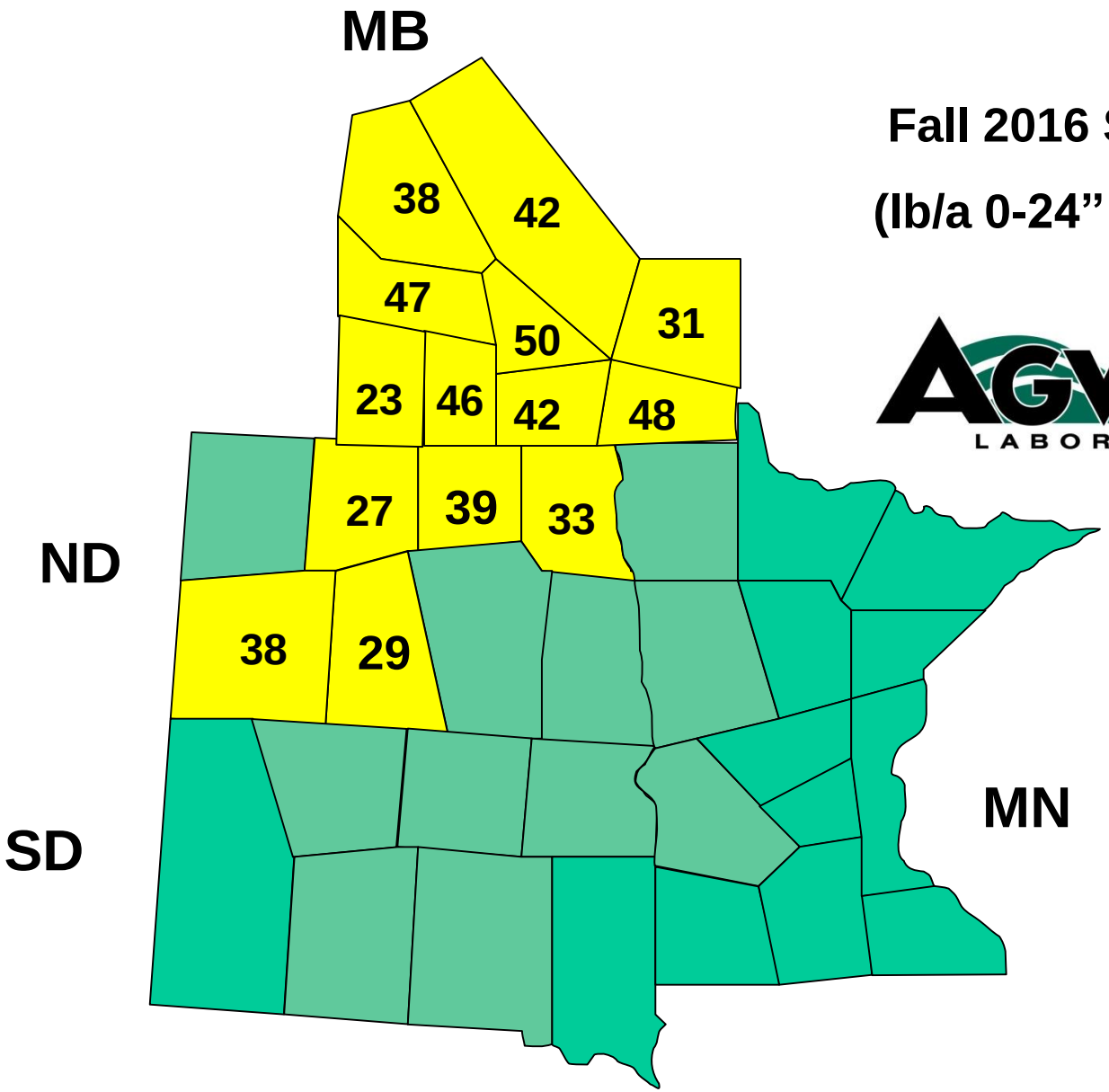
AGVISE LABORATORIES

Soil Nitrate Variability Between Fields Following "Wheat" in Canada – 2016



AGVISE LABORATORIES

Average Soil Nitrate following Canola in 2016

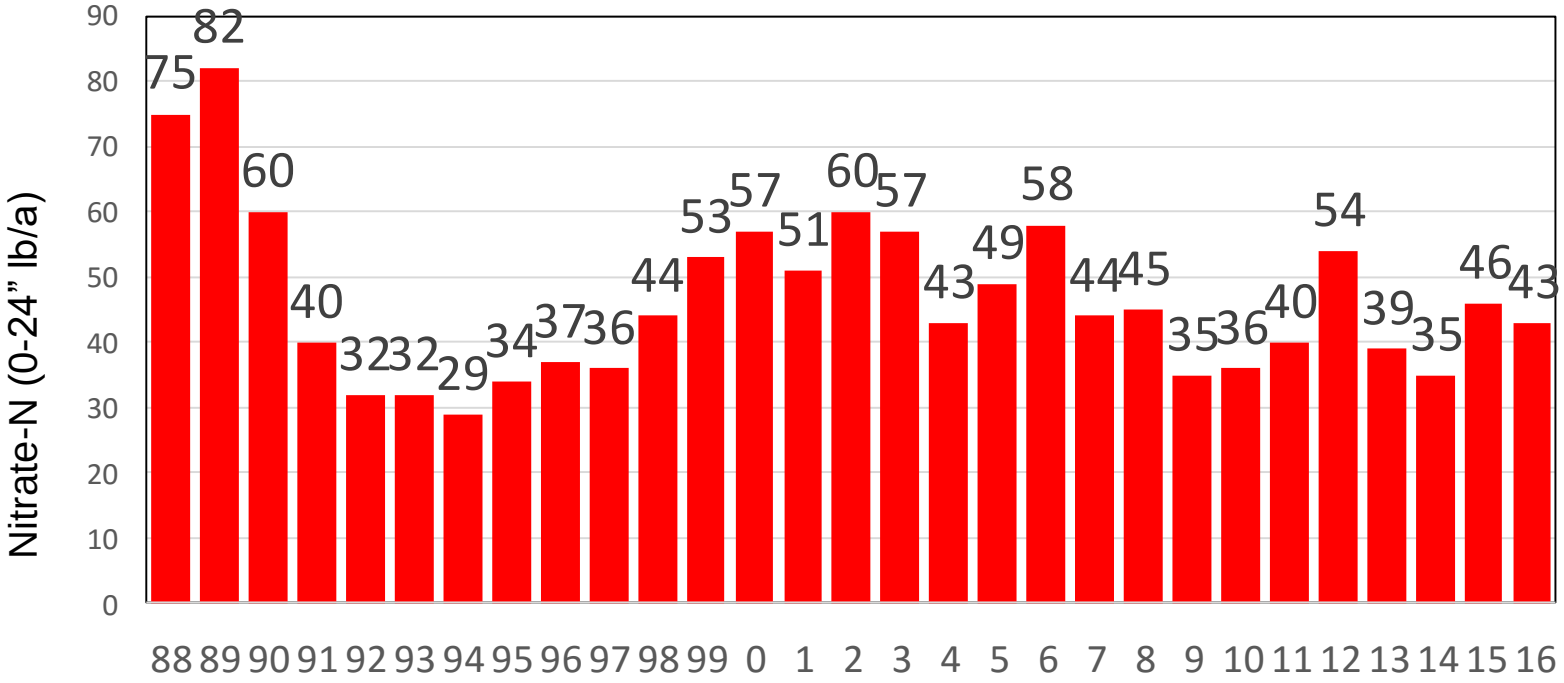


Fall 2016 Samples

(lb/a 0-24” samples)

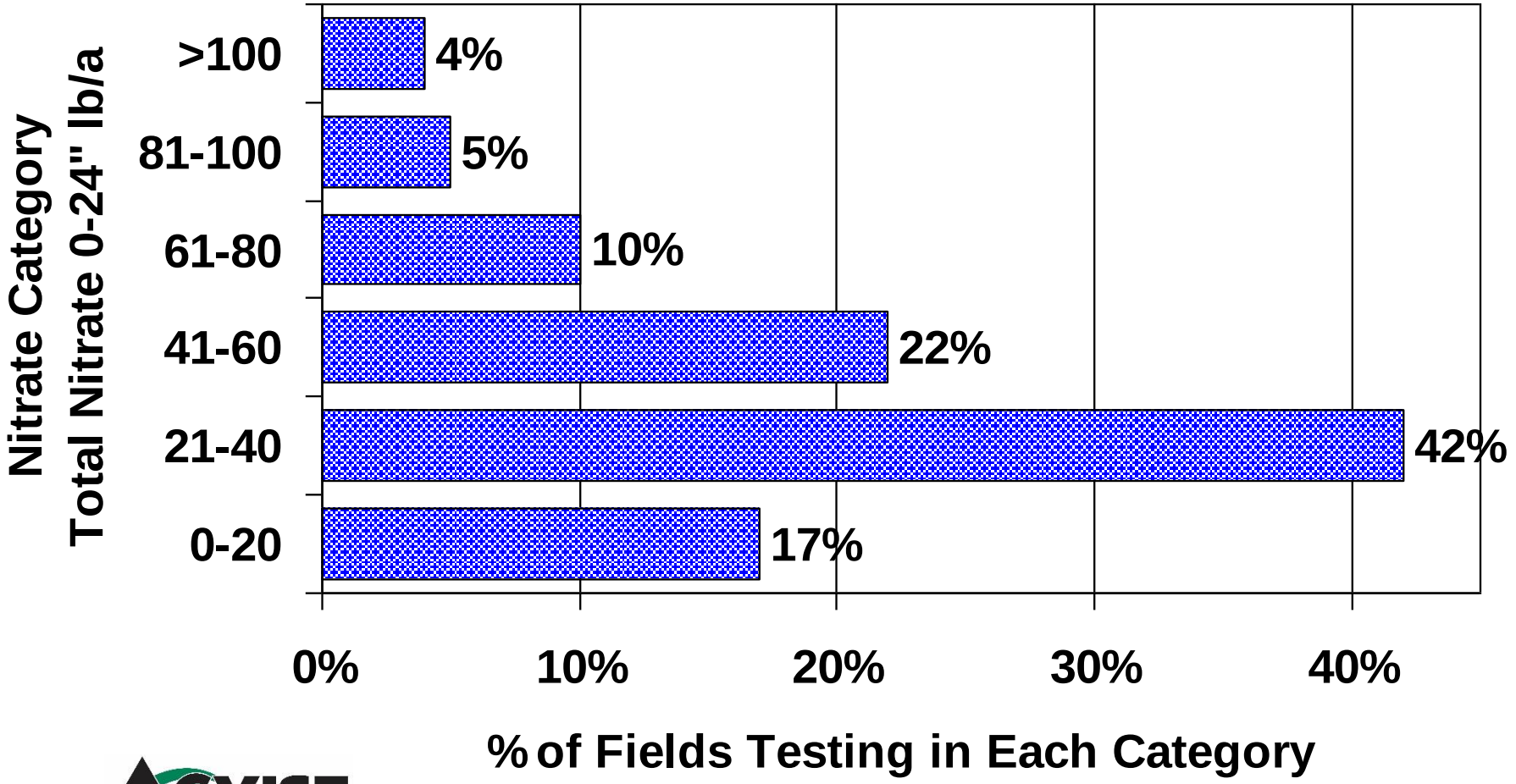
AGVISE LABORATORIES

Average Soil Nitrate Following "Canola" 1986 - 2016



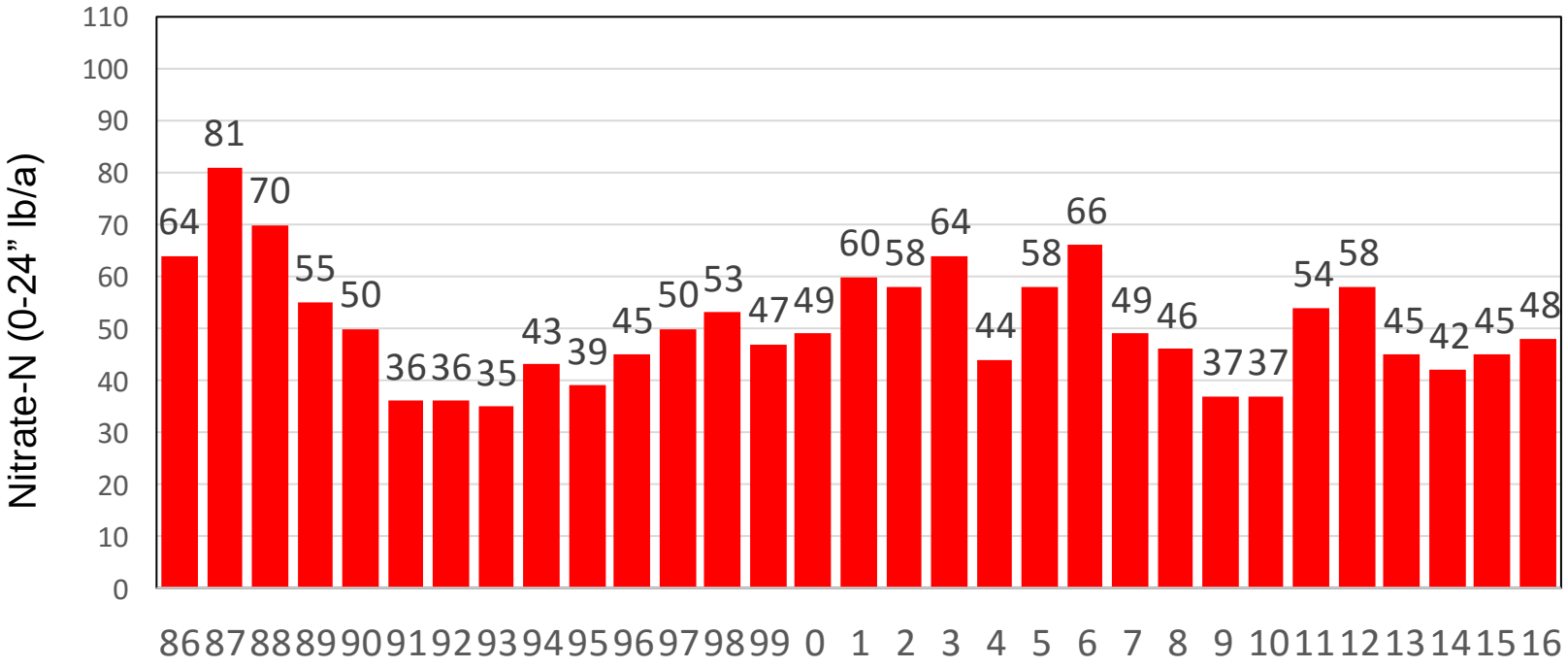
AGVISE LABORATORIES

Soil Nitrate Variability Between Fields Following "Canola" in Canada – 2016



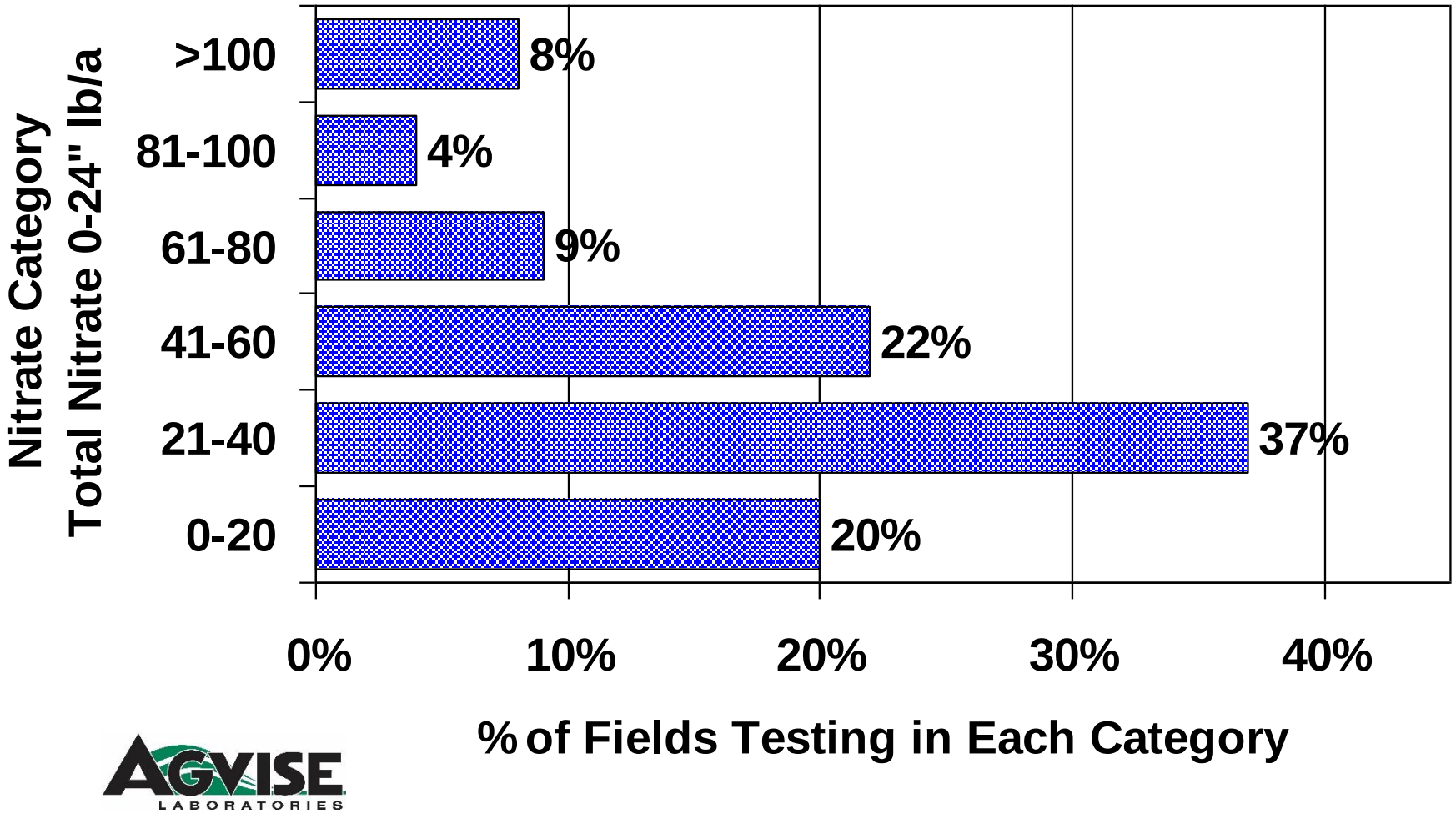
AGVISE LABORATORIES

Average Soil Nitrate Following "Barley" in Canada 1986 - 2016



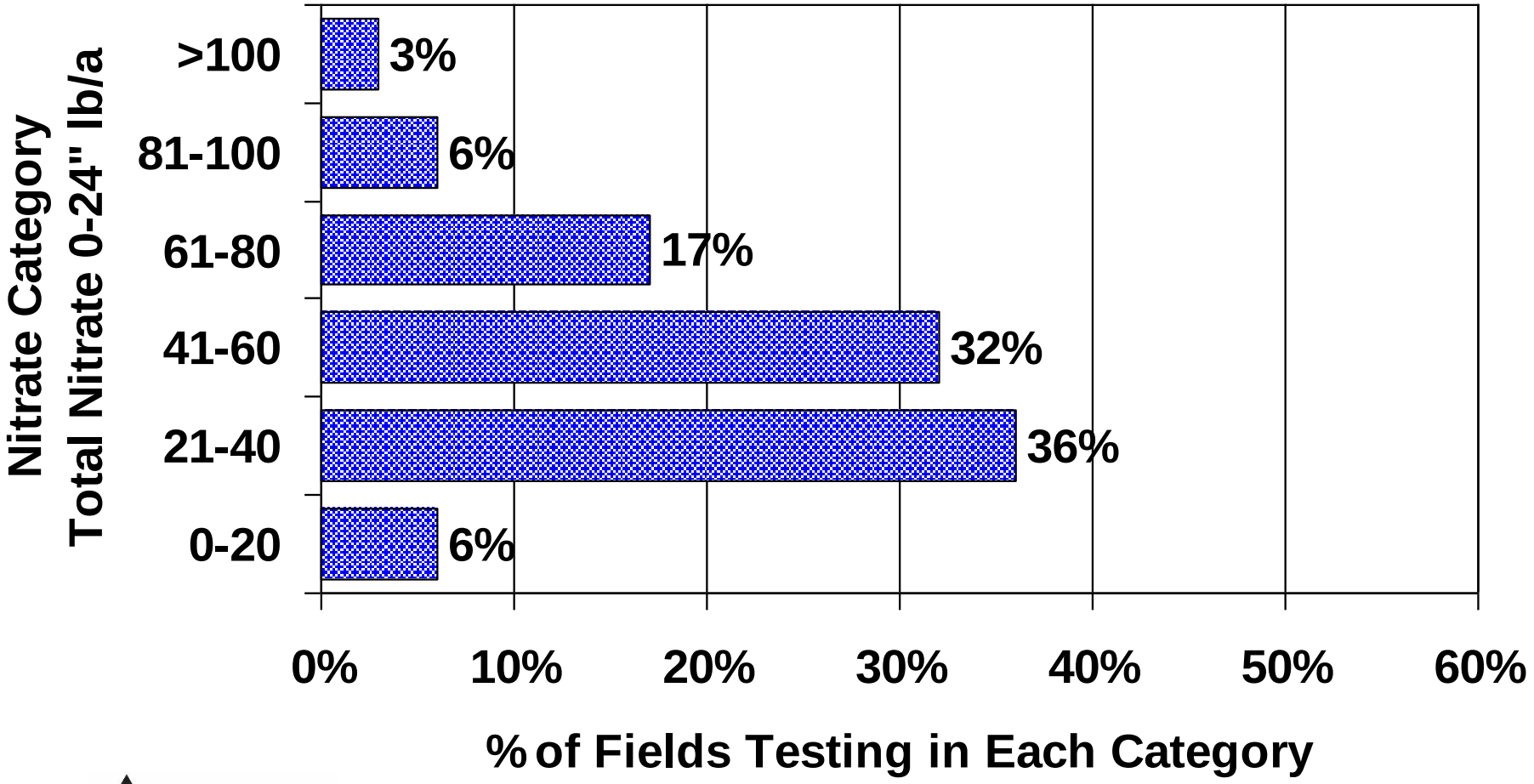
AGVISE LABORATORIES

Soil Nitrate Variability Between Fields Following "Barley" in Canada - 2016



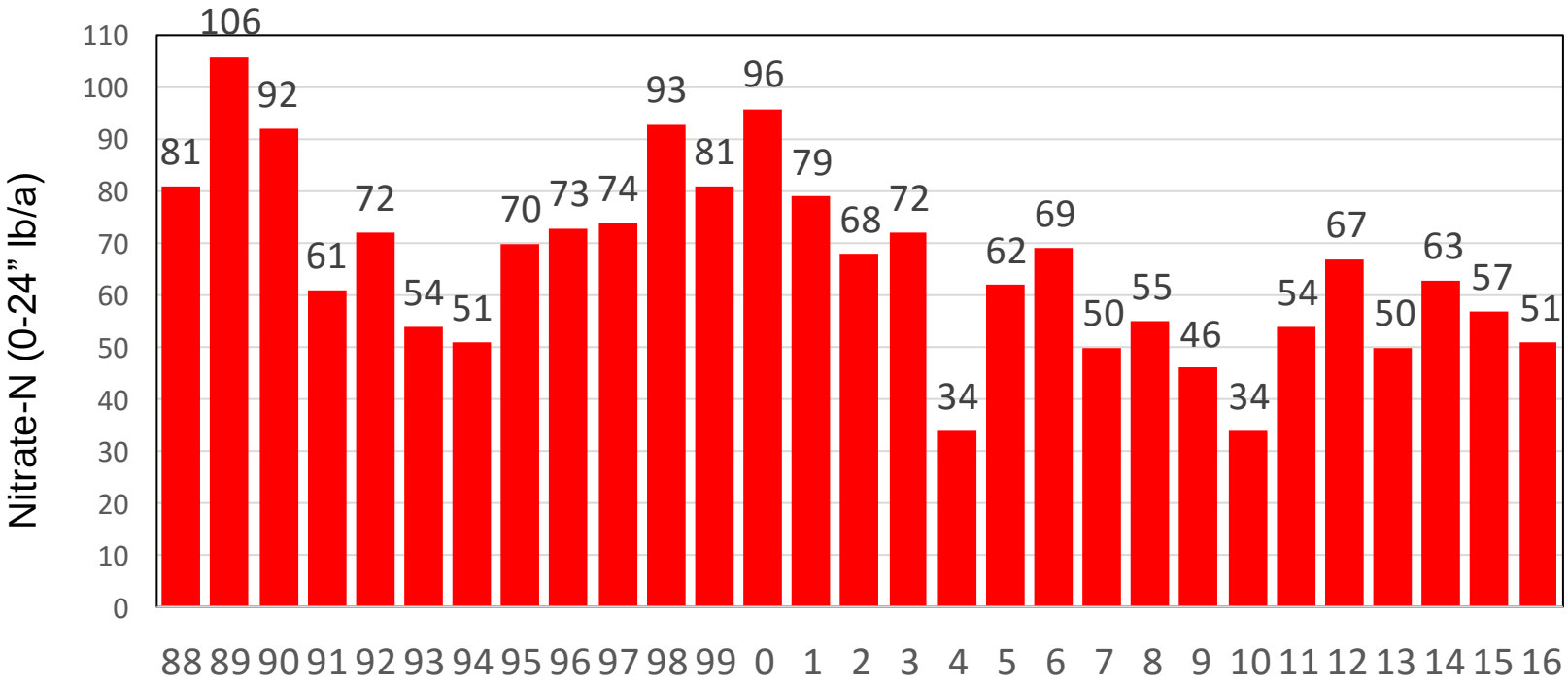
AGVISE LABORATORIES

Soil Nitrate Variability Between Fields Following "Potato" in Canada - 2016



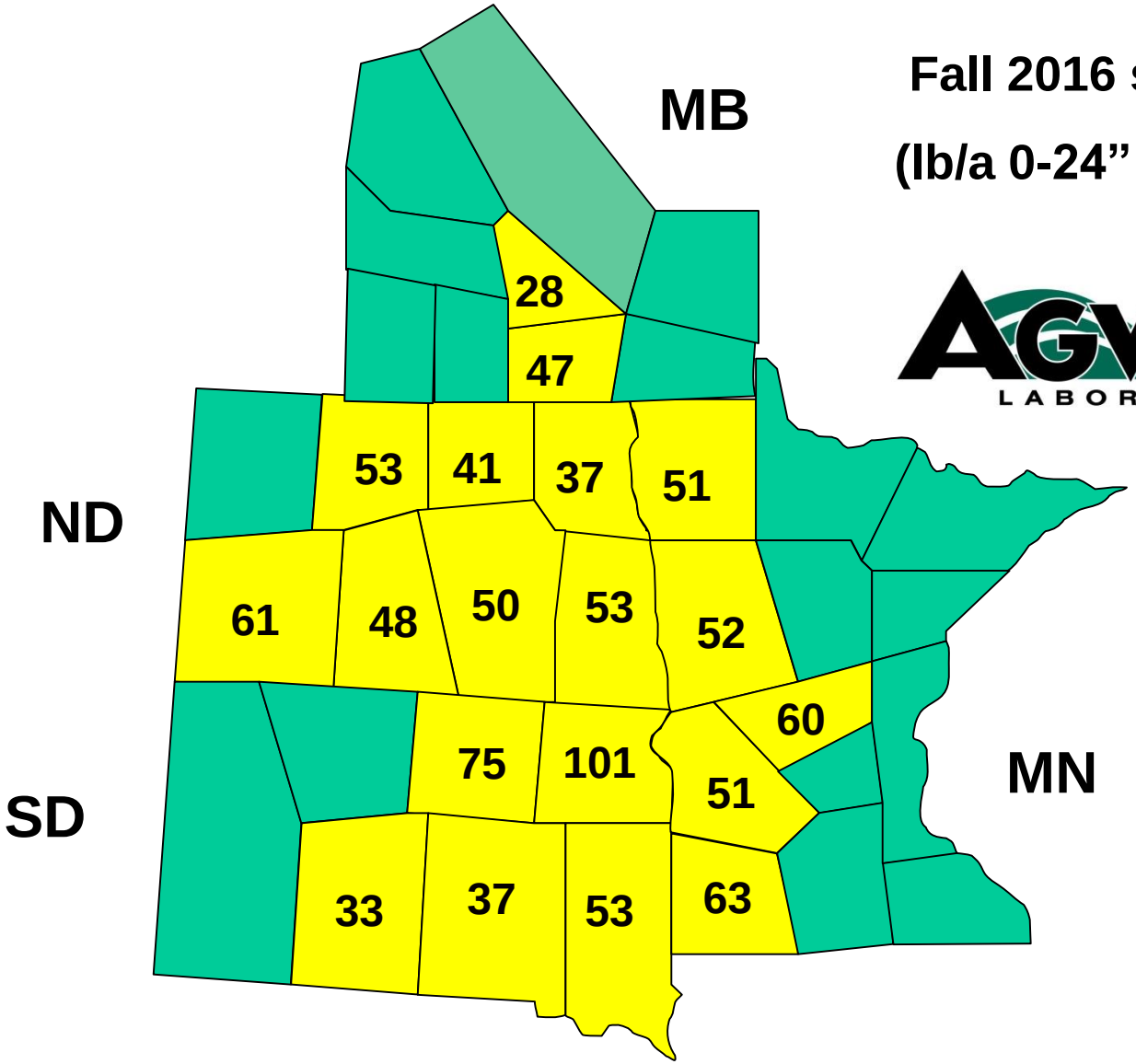
AGVISE LABORATORIES

Average Soil Nitrate Following "Potato" in Canada 1986 - 2016



AGVISE LABORATORIES

Average Soil Nitrate following Corn in 2016

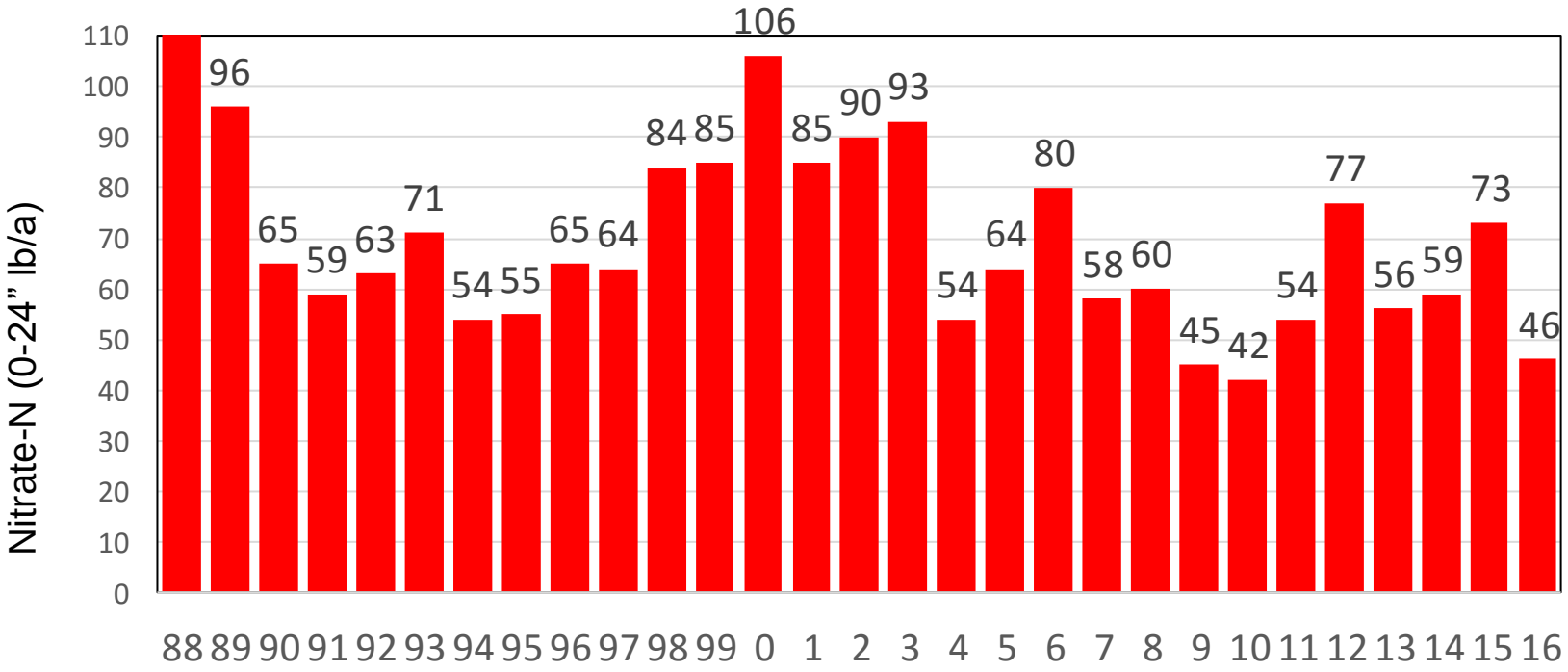


Fall 2016 samples

(lb/a 0-24” samples)

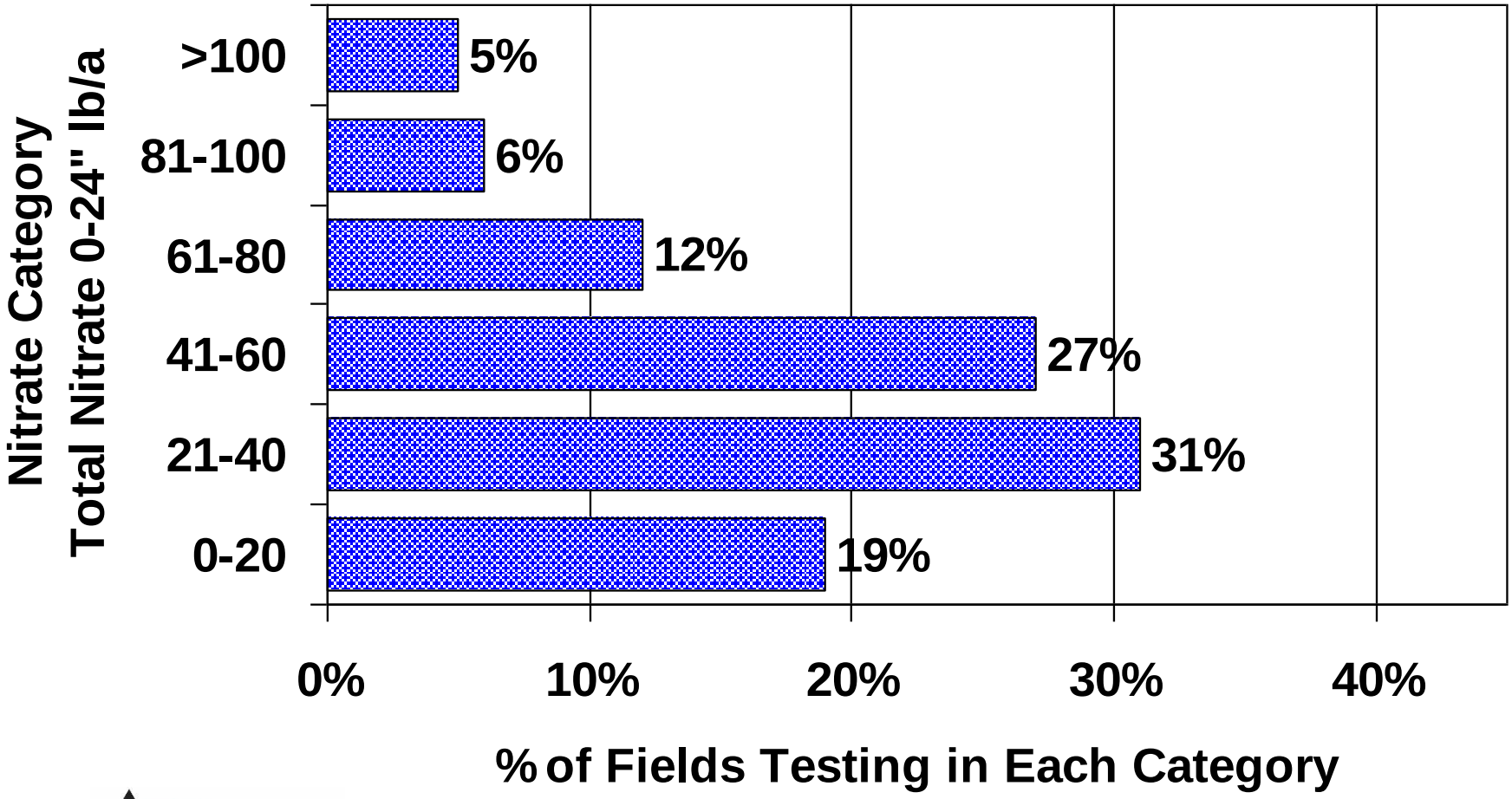
AGVISE LABORATORIES

Average Soil Nitrate Following "Corn" in Canada 1988 - 2016



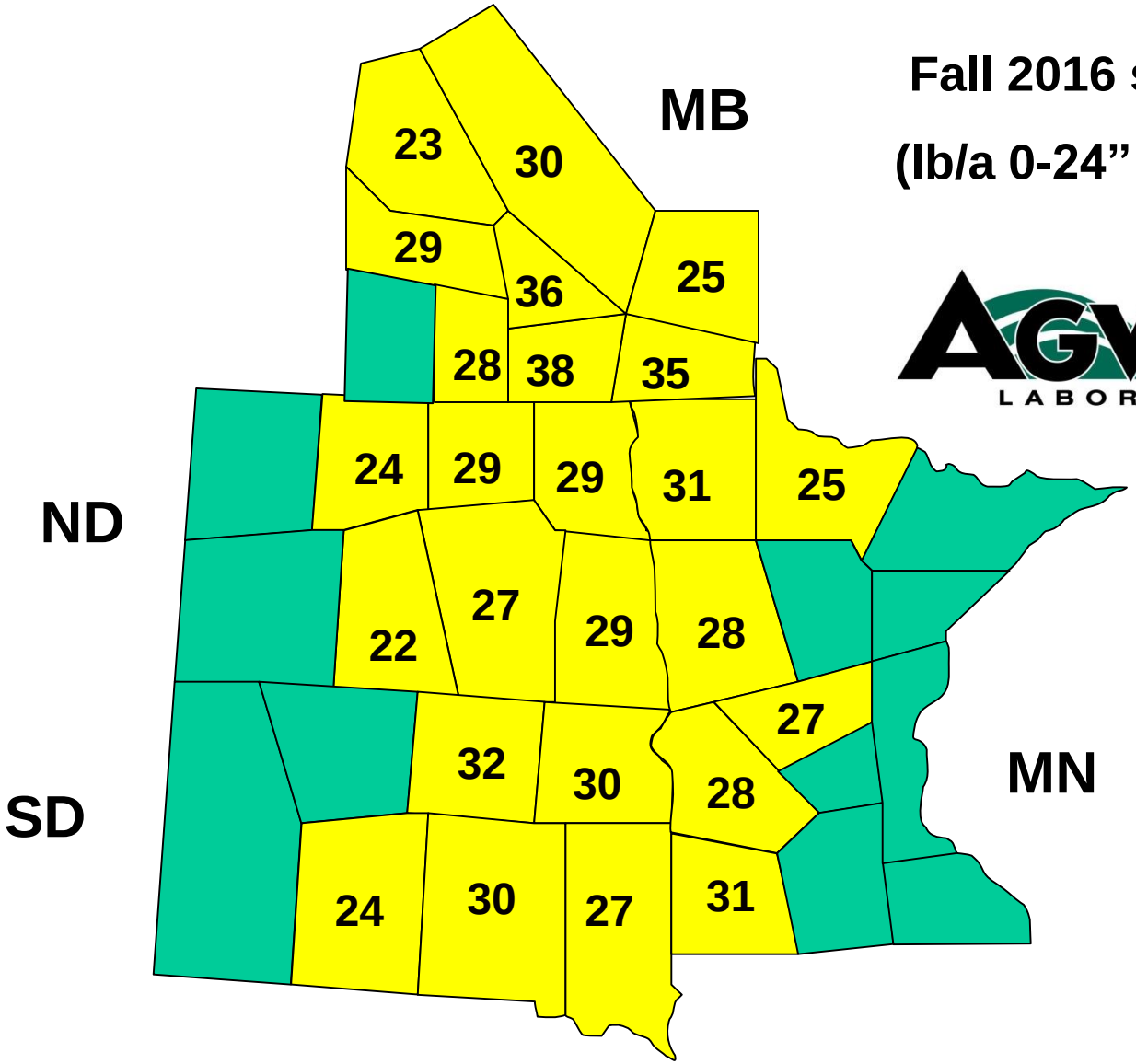
AGVISE LABORATORIES

Soil Nitrate Variability Between Fields Following "Corn" in Canada - 2016



AGVISE LABORATORIES

Average Soil Nitrate following Soybean in 2016

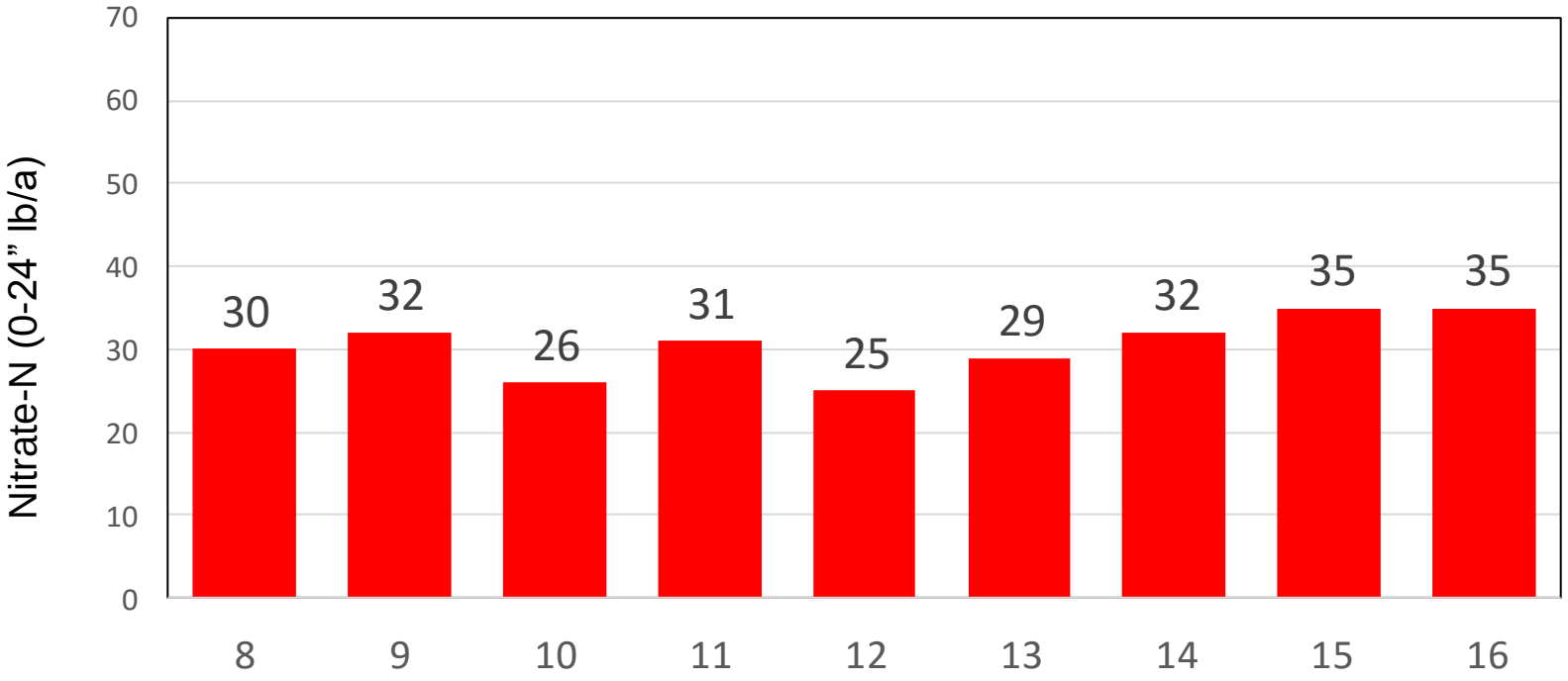


Fall 2016 samples

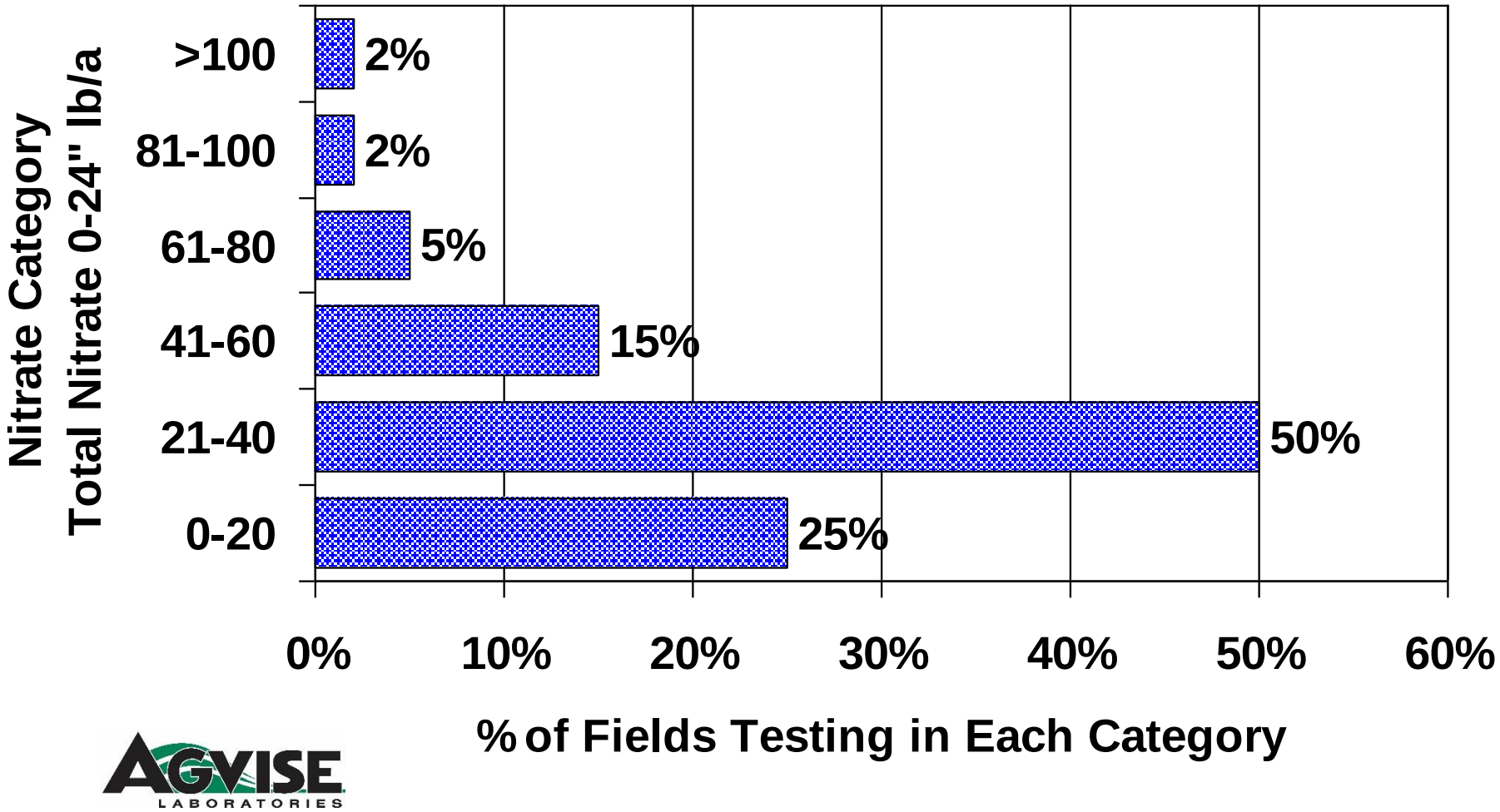
(lb/a 0-24” samples)

AGVISE LABORATORIES

Average Soil Nitrate Following "Soybeans"
1995 - 2016



Soil Nitrate Variability Between Fields Following "Soybean" in Canada 2016

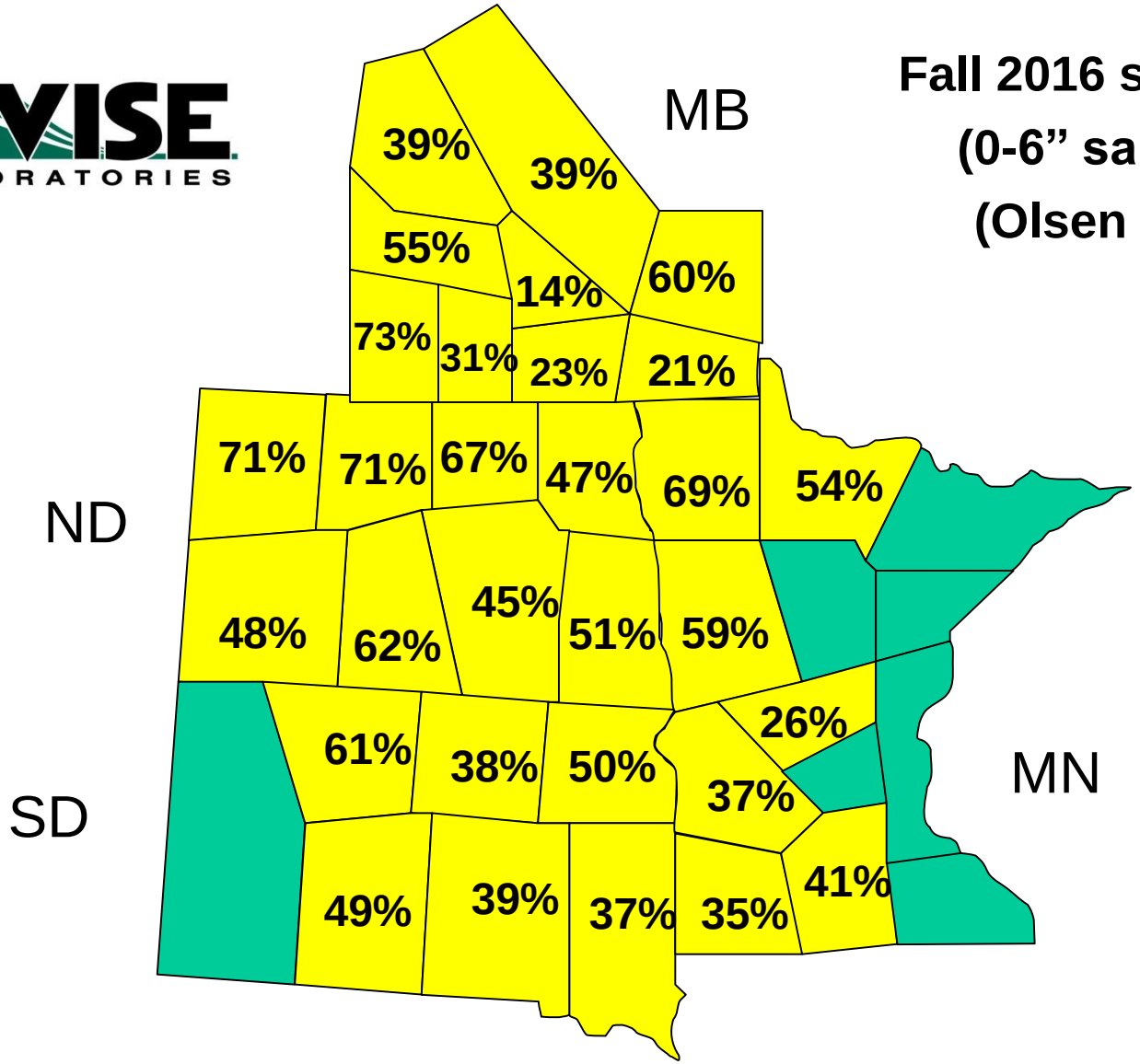


AGVISE LABORATORIES

% Soil Samples with Phosphorus less than 10 ppm

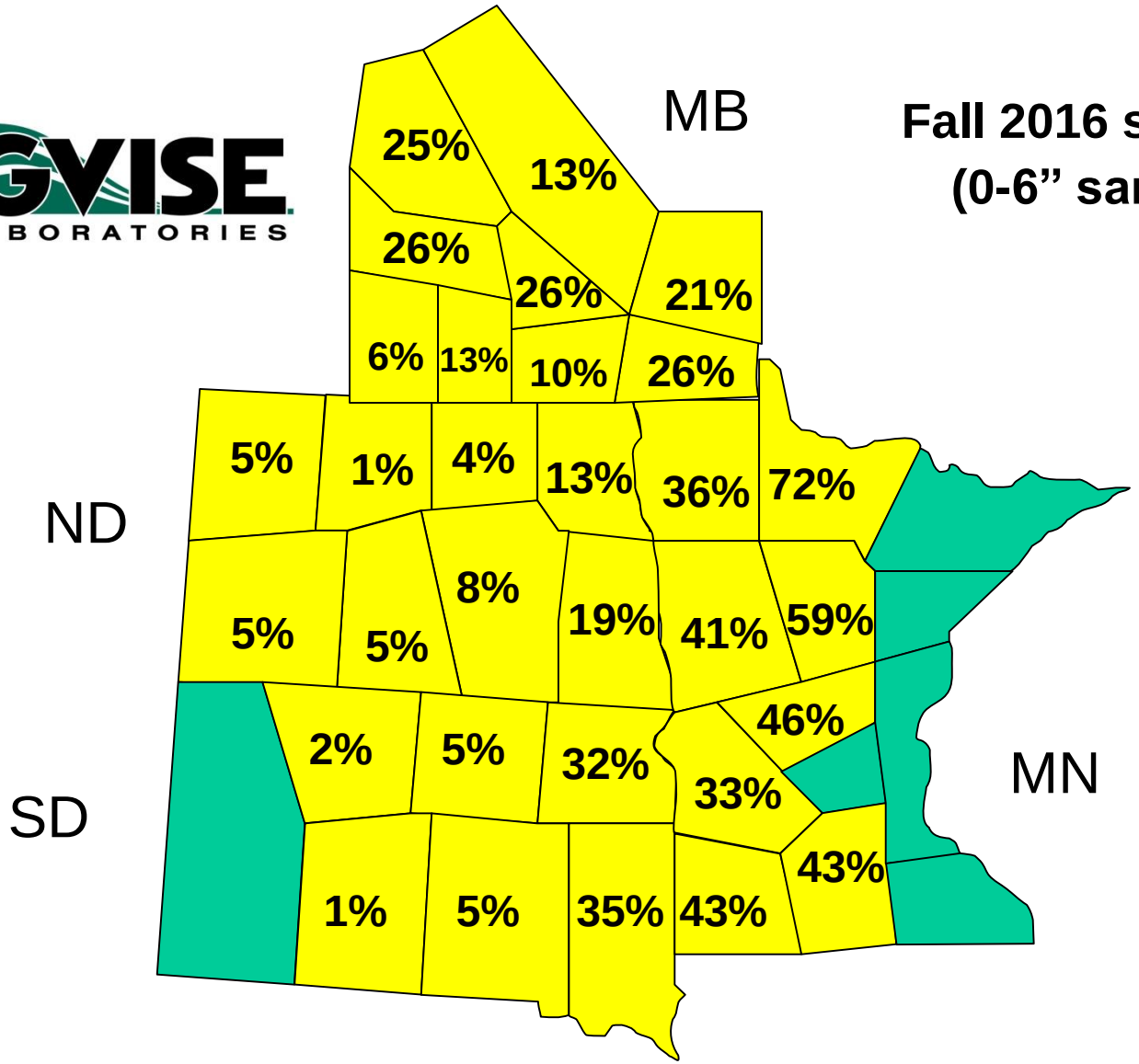
AGVISE LABORATORIES

Fall 2016 samples
(0-6” samples)
(Olsen P test)



% Soil Samples with Potassium less than 150 ppm

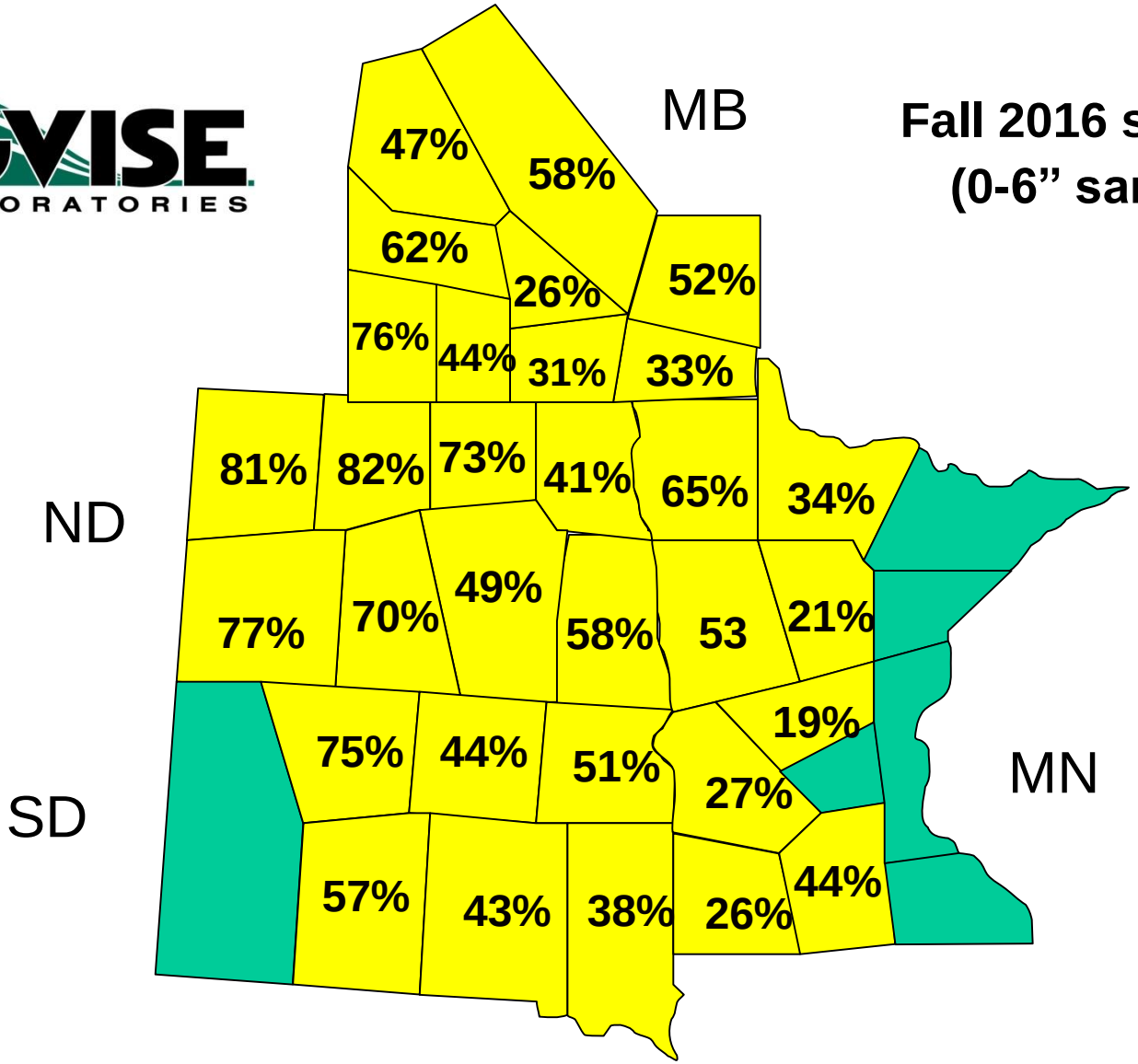
AGVISE LABORATORIES



Fall 2016 samples (0-6” samples)

% Soil Samples with Zinc less than 1.0 ppm

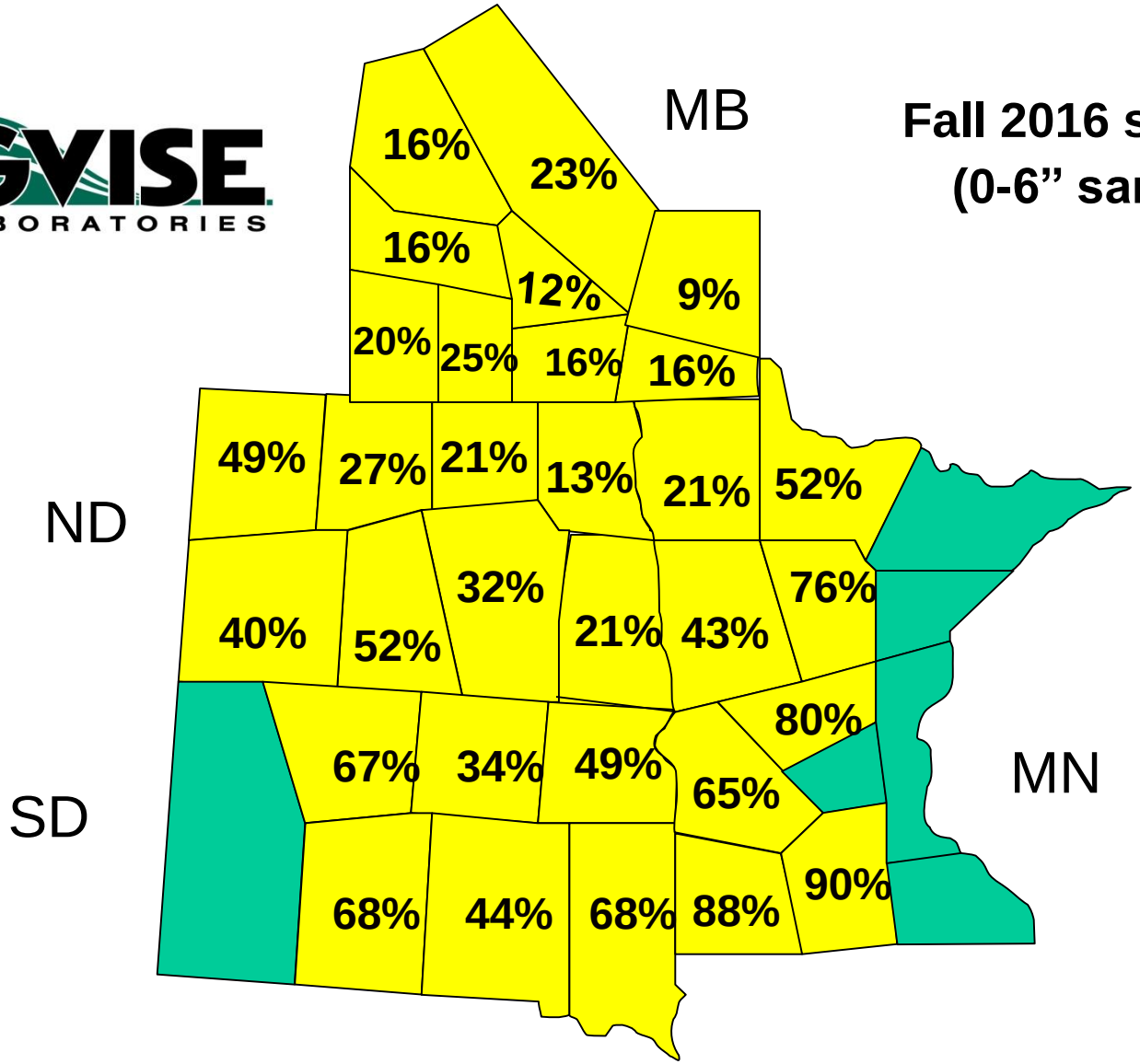
AGVISE LABORATORIES



Fall 2016 samples
(0-6” samples)

% Soil Samples with Sulfur less than 15 lb/a

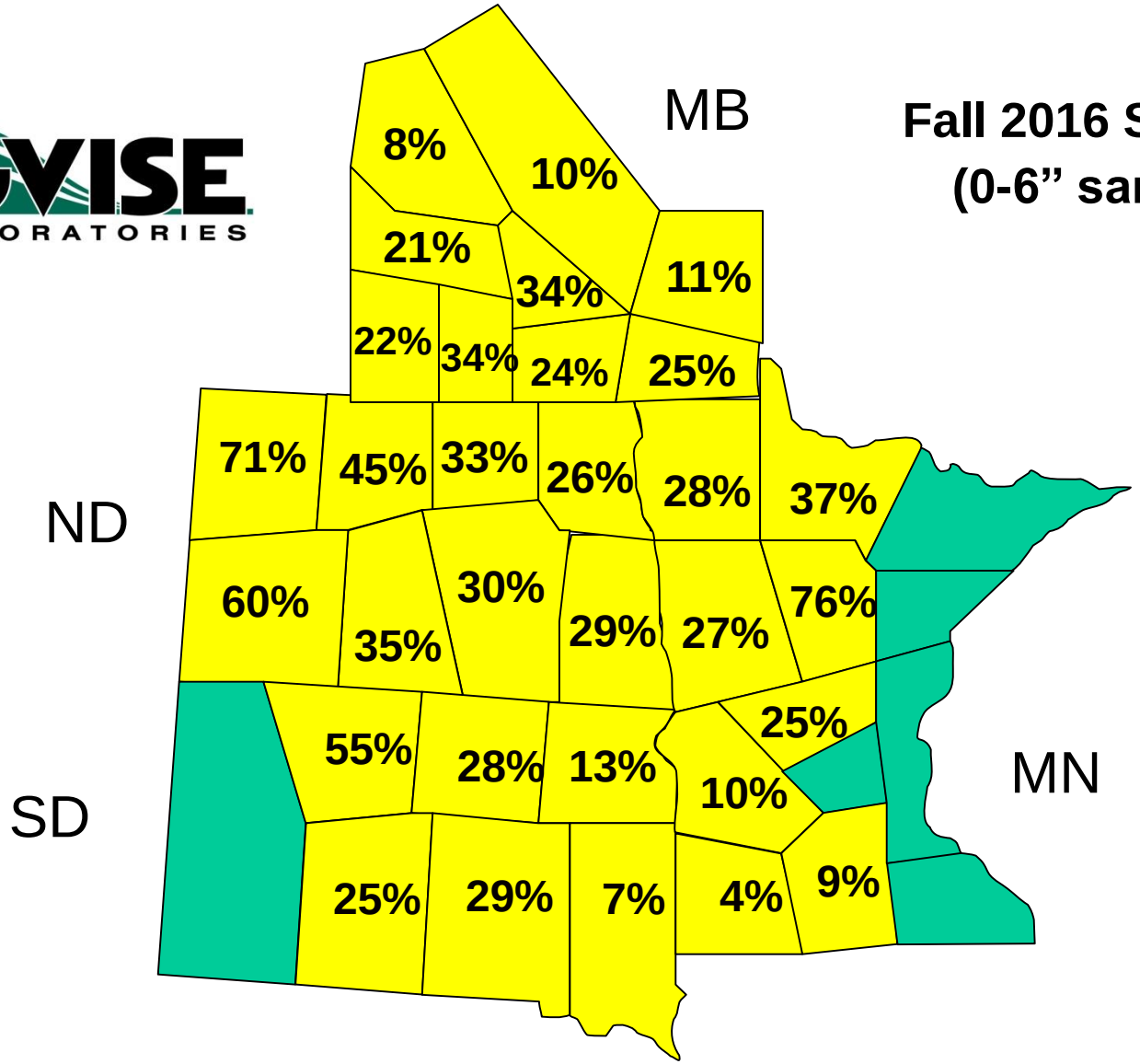
AGVISE LABORATORIES



Fall 2016 samples (0-6” samples)

% Soil Samples with %OM less than 3.0%

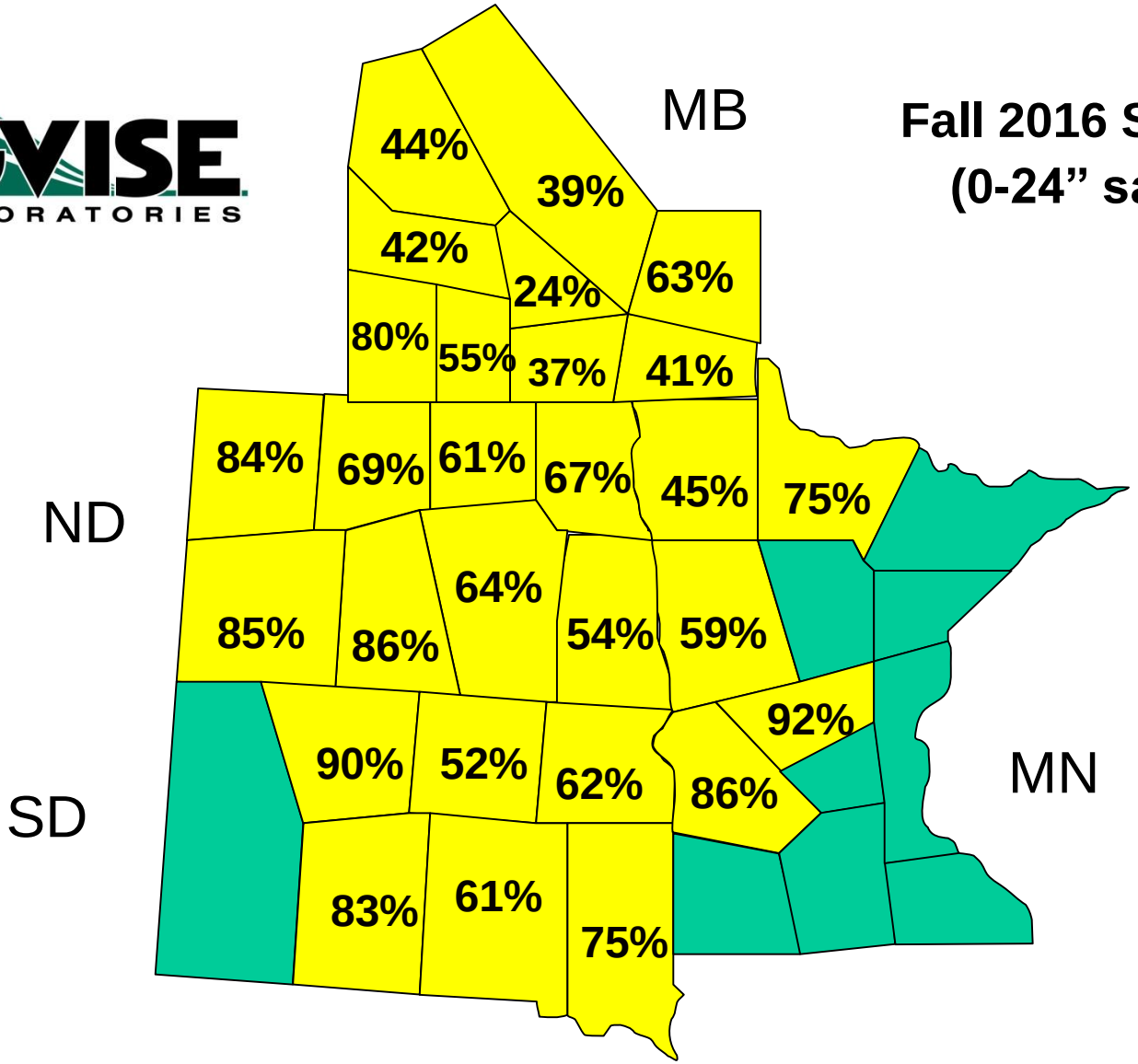
AGVISE LABORATORIES



Fall 2016 Samples
(0-6” samples)

% Soil Samples with Chloride less than 40 lb/a

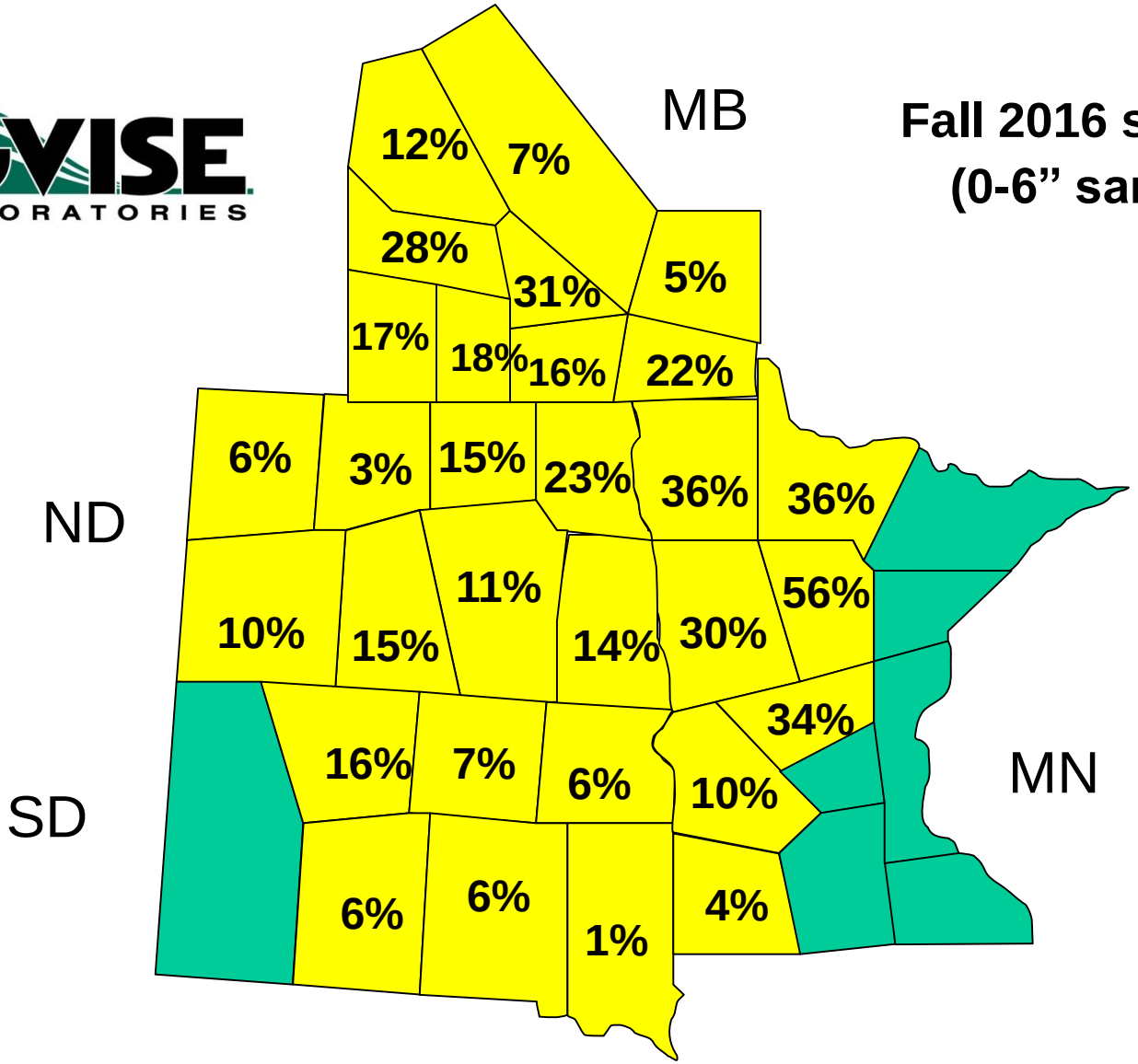
AGVISE LABORATORIES



Fall 2016 Samples
(0-24” samples)

% Soil Samples with Copper less than 0.5 ppm

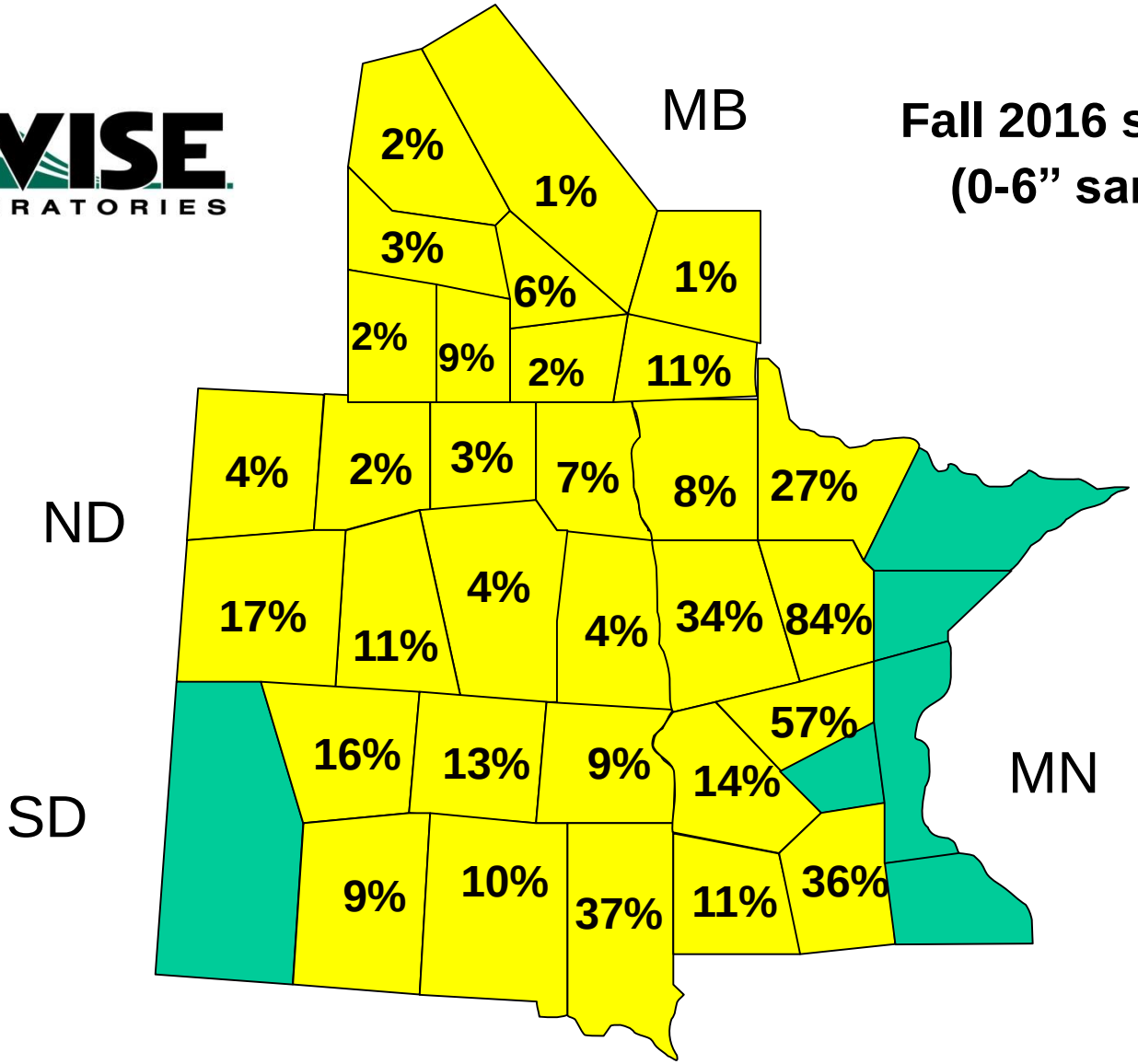
AGVISE LABORATORIES



Fall 2016 samples
(0-6” samples)

% Soil Samples with Boron less than 0.4 ppm

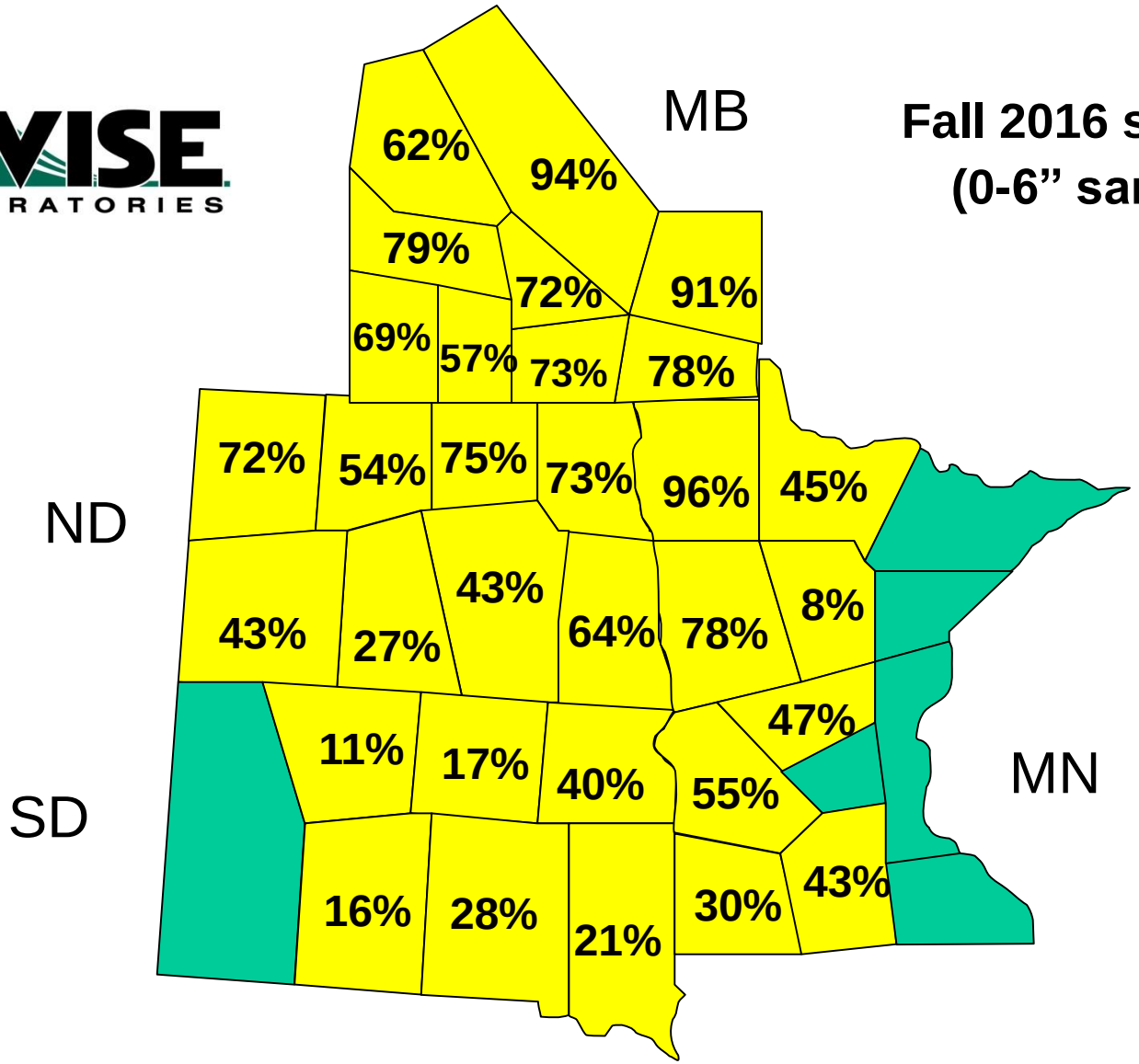
AGVISE LABORATORIES



Fall 2016 samples
(0-6” samples)

% Soil Samples with Soil pH greater than 7.3

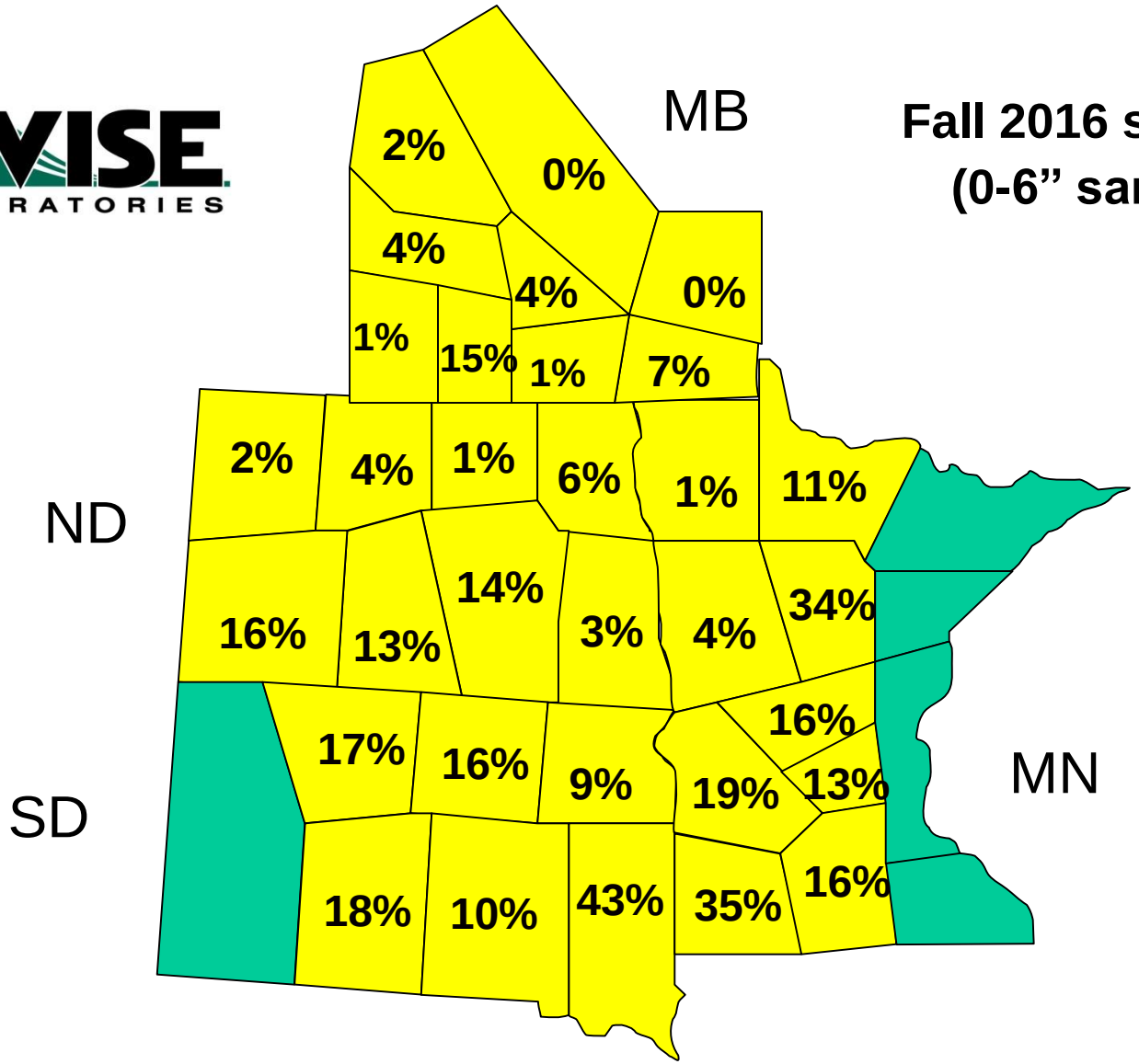
AGVISE LABORATORIES



Fall 2016 samples
(0-6” samples)

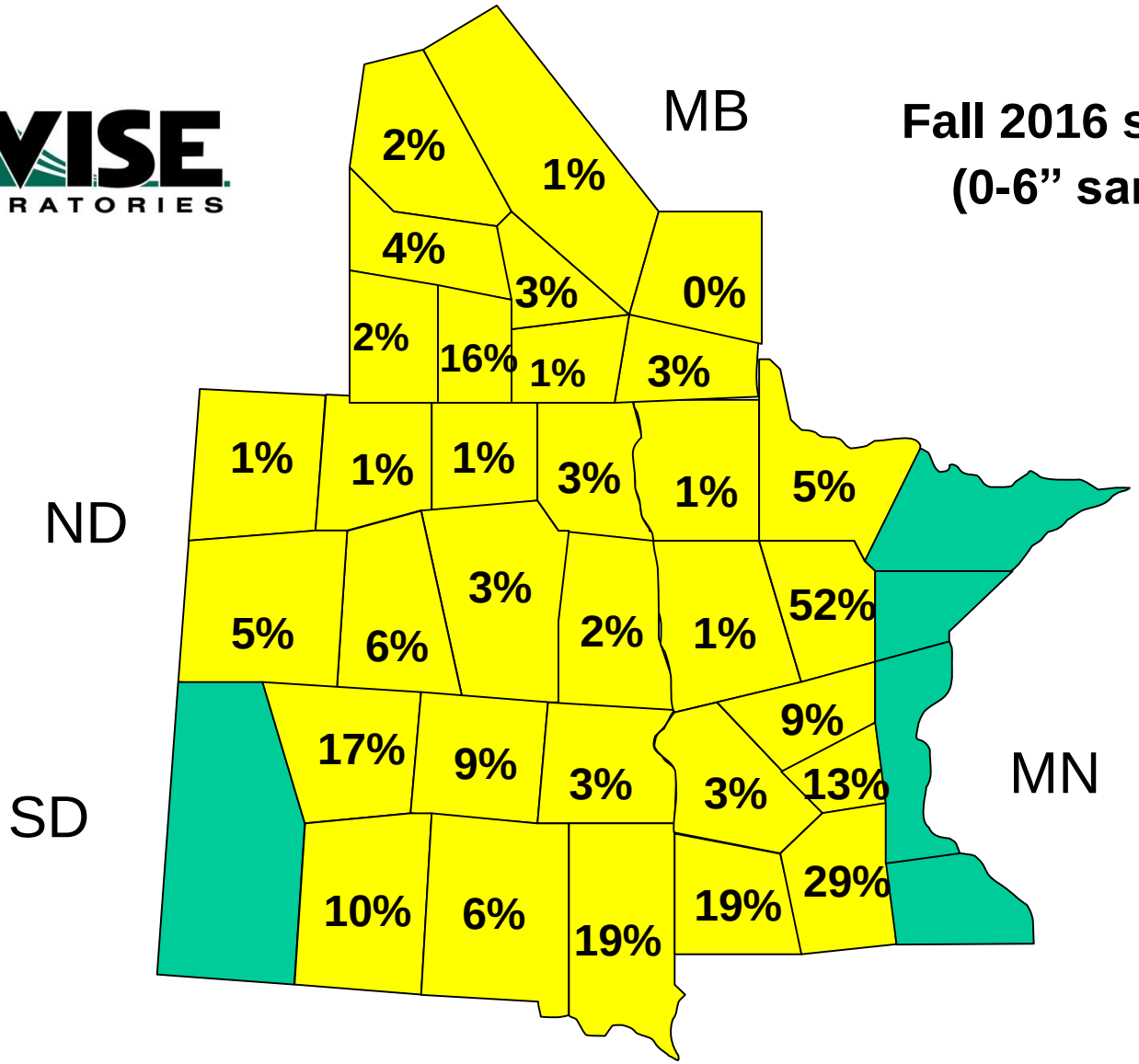
% Soil Samples with Soil pH less than 6.0

AGVISE LABORATORIES



% Subsoil Samples with pH less than 7.0

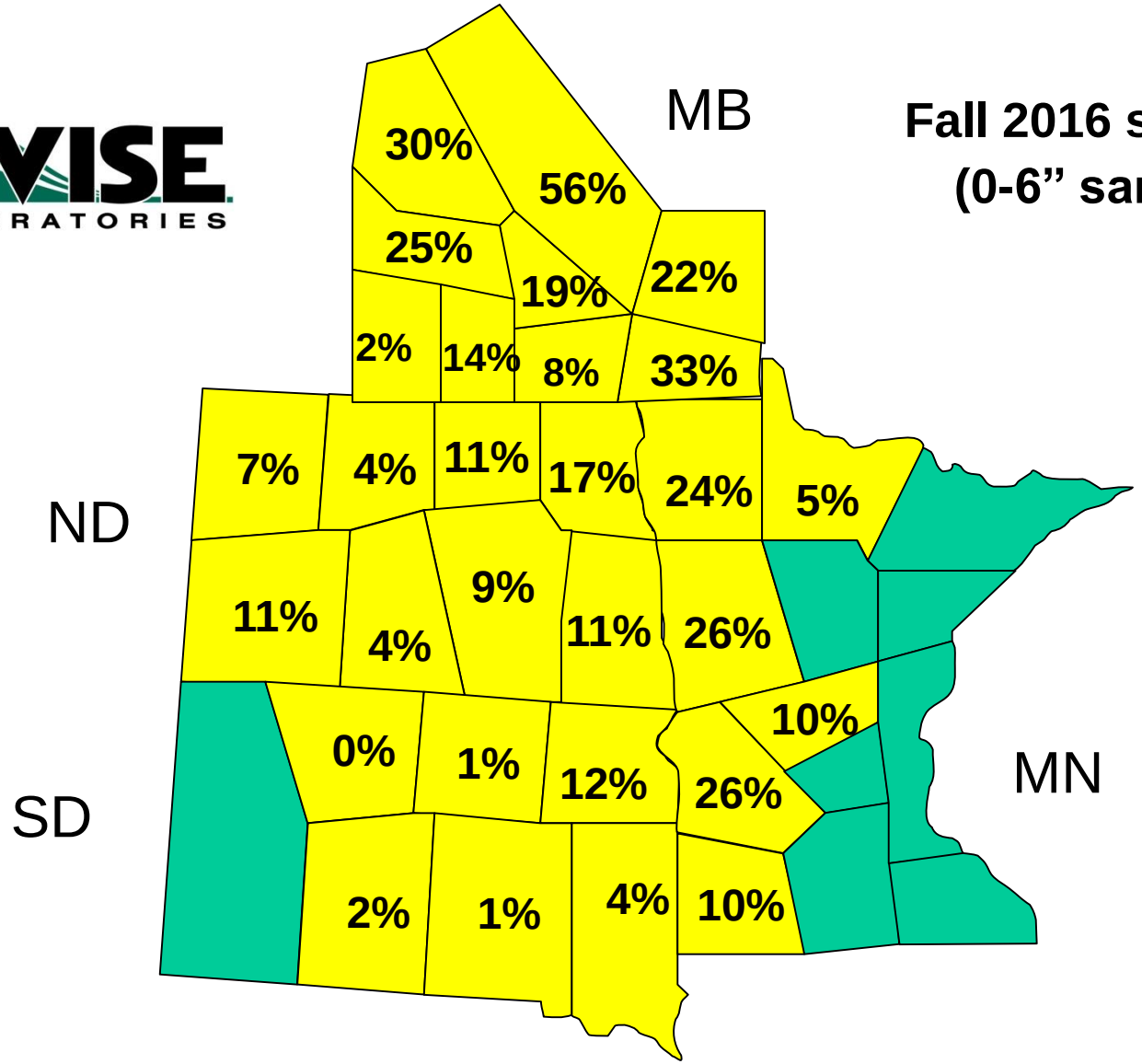
AGVISE LABORATORIES



Fall 2016 samples (0-6” samples)

% Soil Samples with Carbonate greater than 5.0%

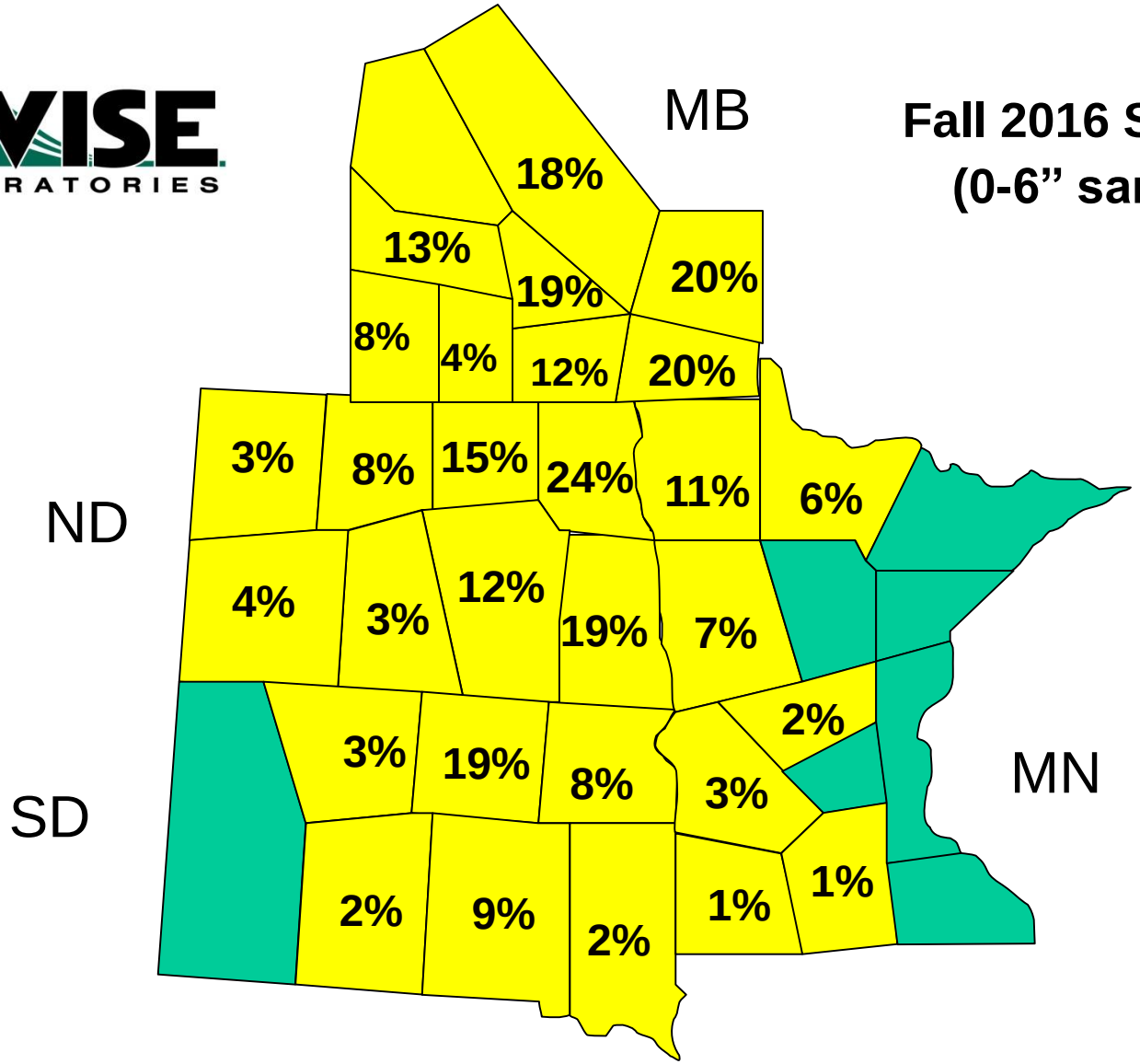
AGVISE LABORATORIES



Fall 2016 samples
(0-6” samples)

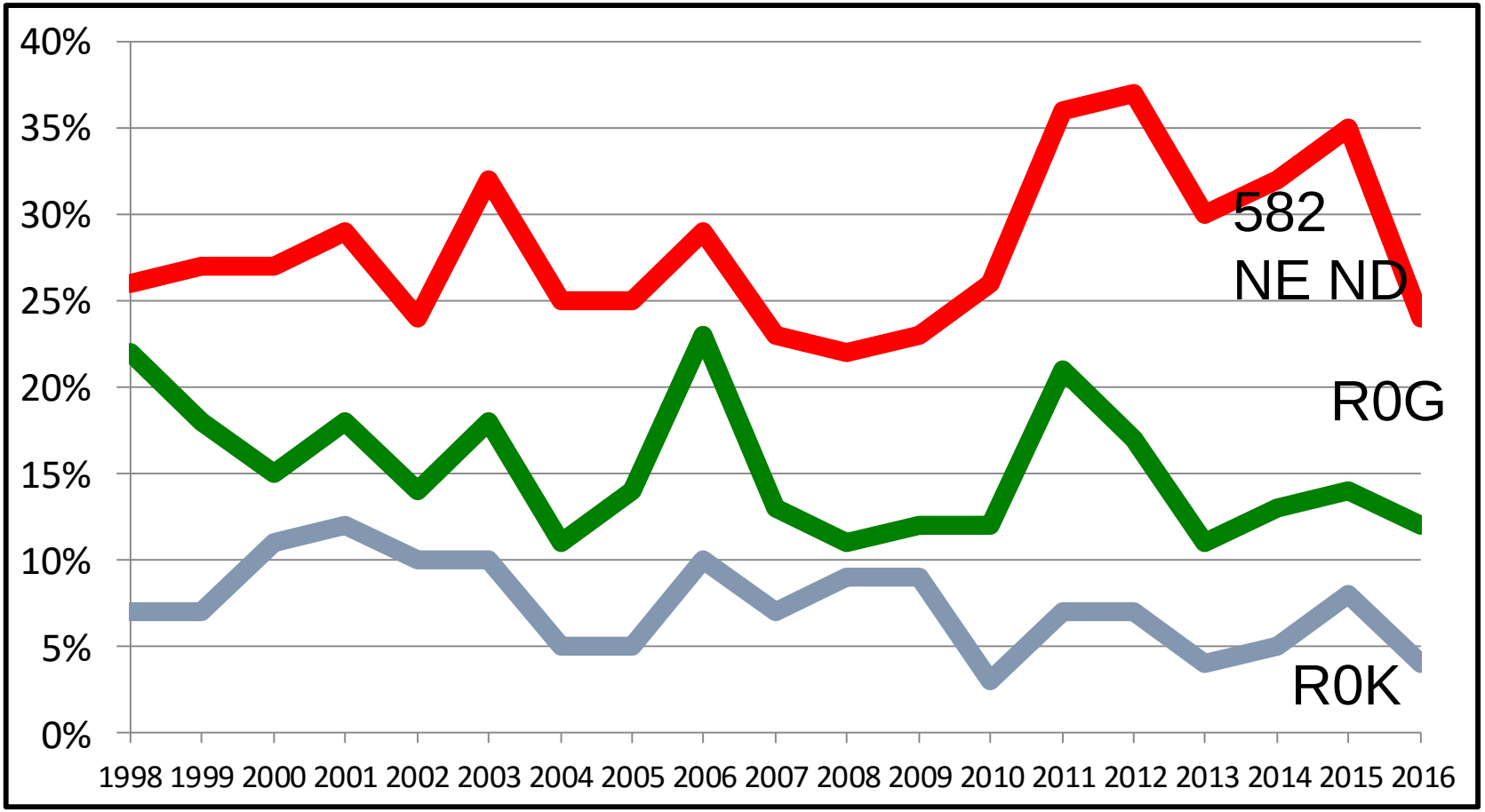
% Soil Samples with Salts greater than 1.0

AGVISE LABORATORIES

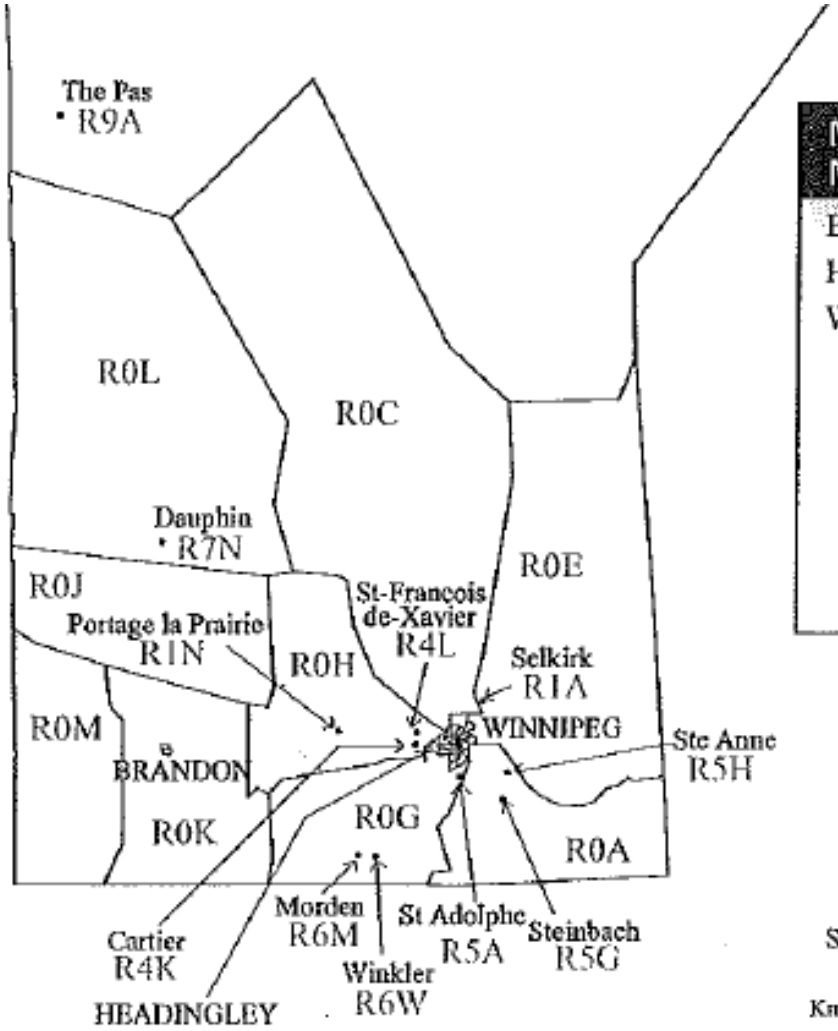


Fall 2016 Samples
(0-6” samples)

Manitoba - % Samples Testing with Salts greater than 1.0



1:1 salt method – expressed as mmhos/cm



SCALE / ÉCHELLE 1:7 000 000

Km 50 0 50 100 150 Km

248170