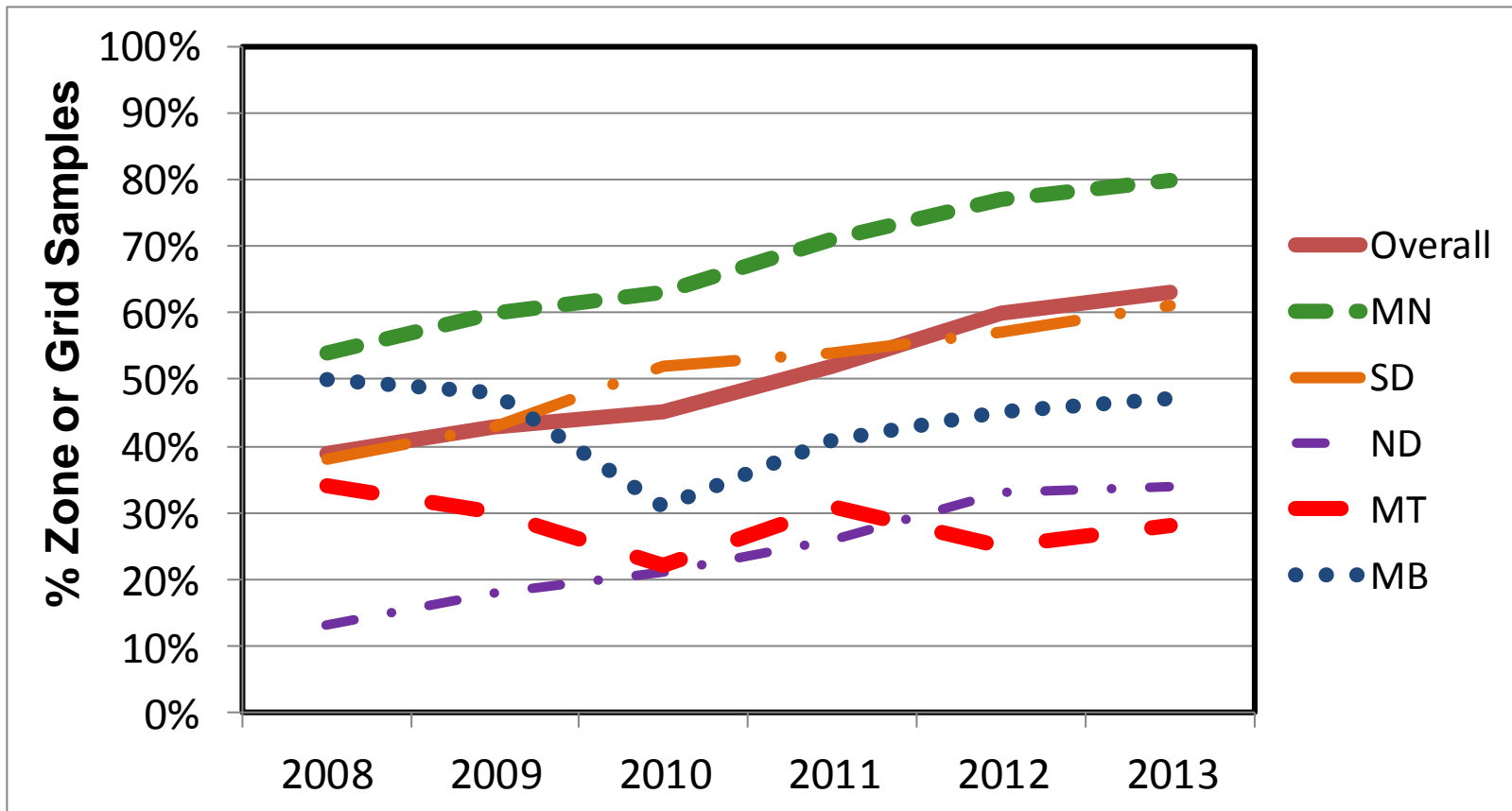


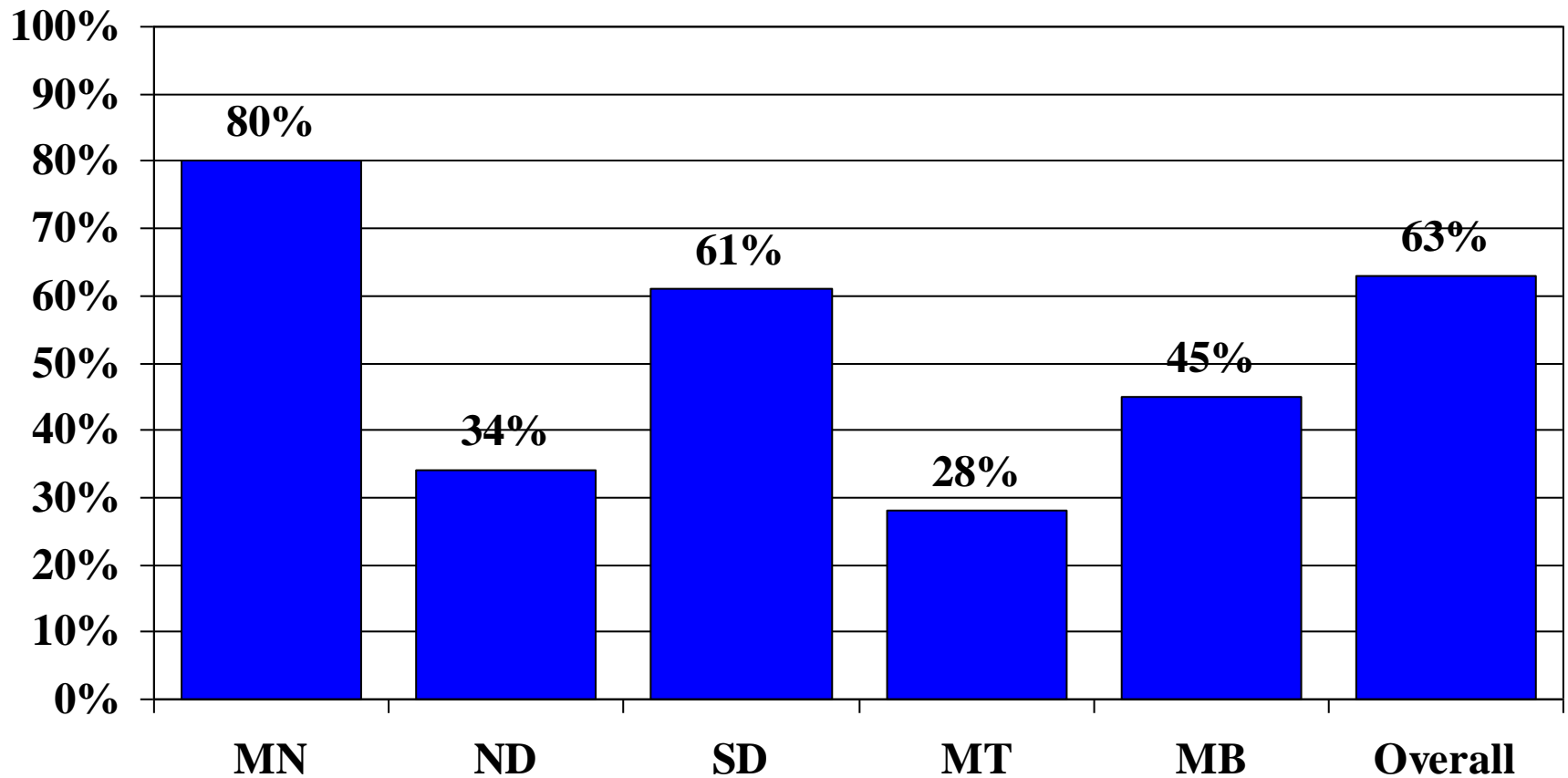
Trend for Precision Soil Testing

% Zone or Grid Samples Tested compared to Total Samples



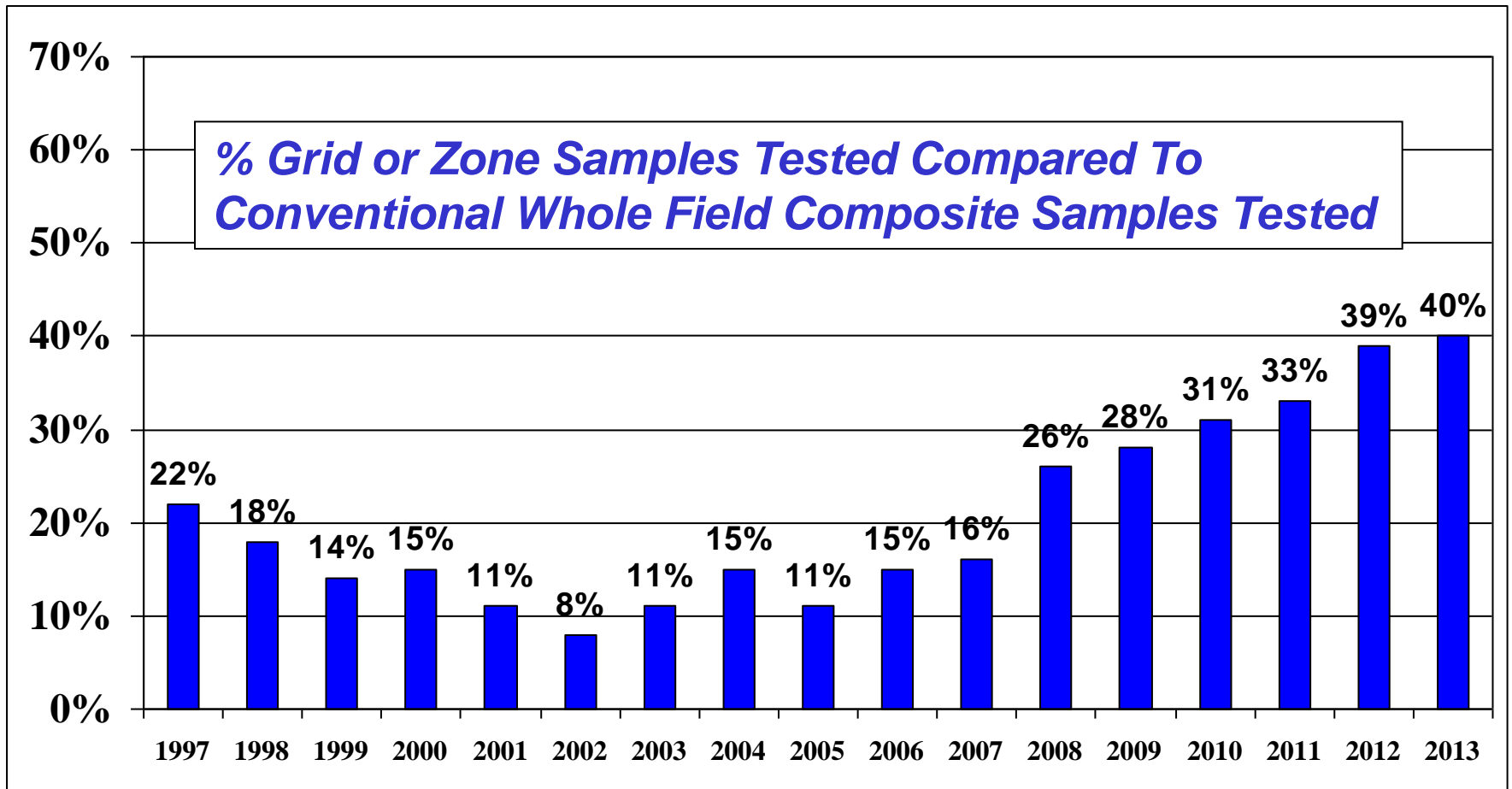
AGVISE Laboratories

***%Zone or Grid Samples Tested Compared to
Conventional Whole Field Composite Samples in 2013***

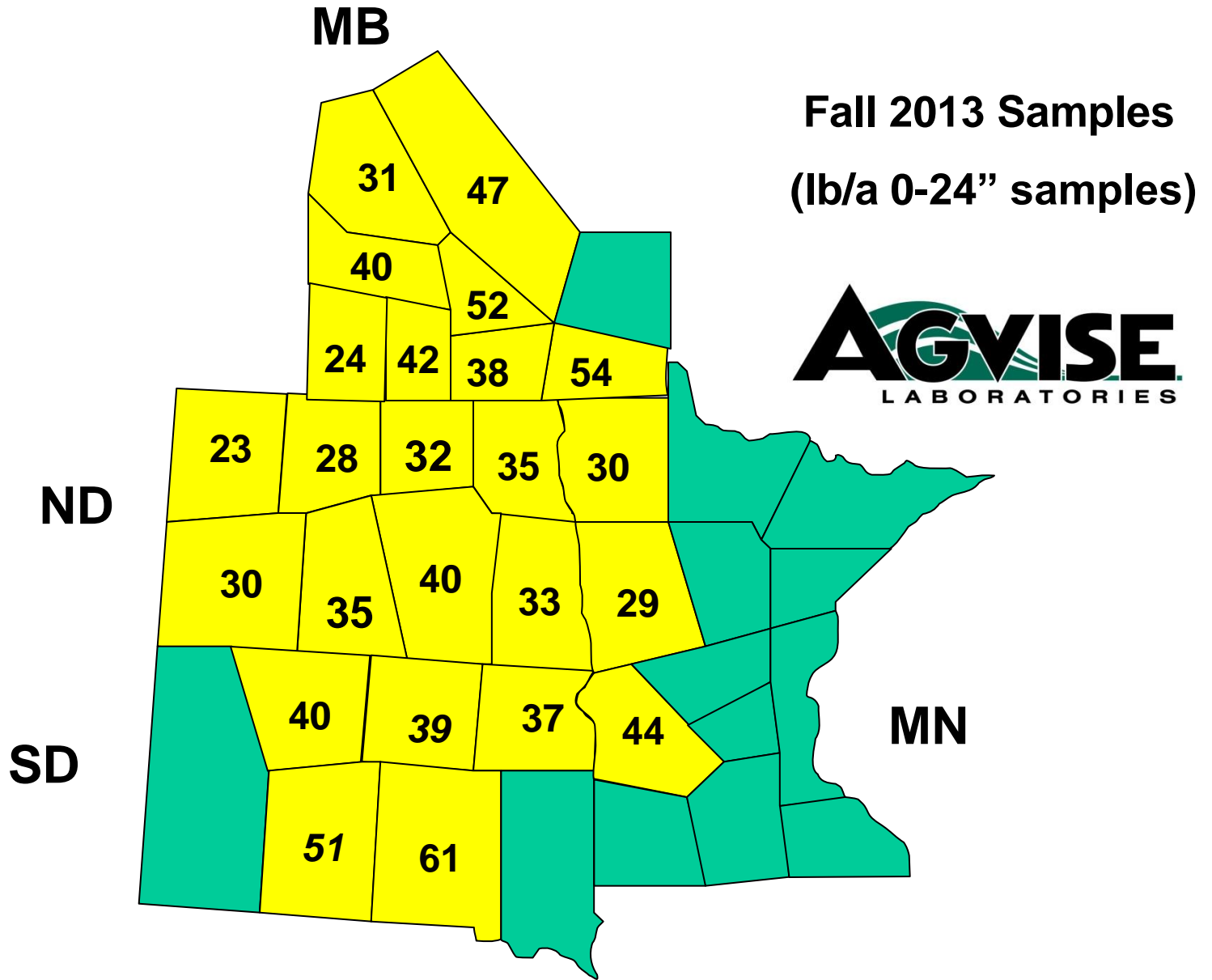


AGVISE Laboratories

***%Zone or Grid Samples – Northwood laboratory
1997 - 2013***

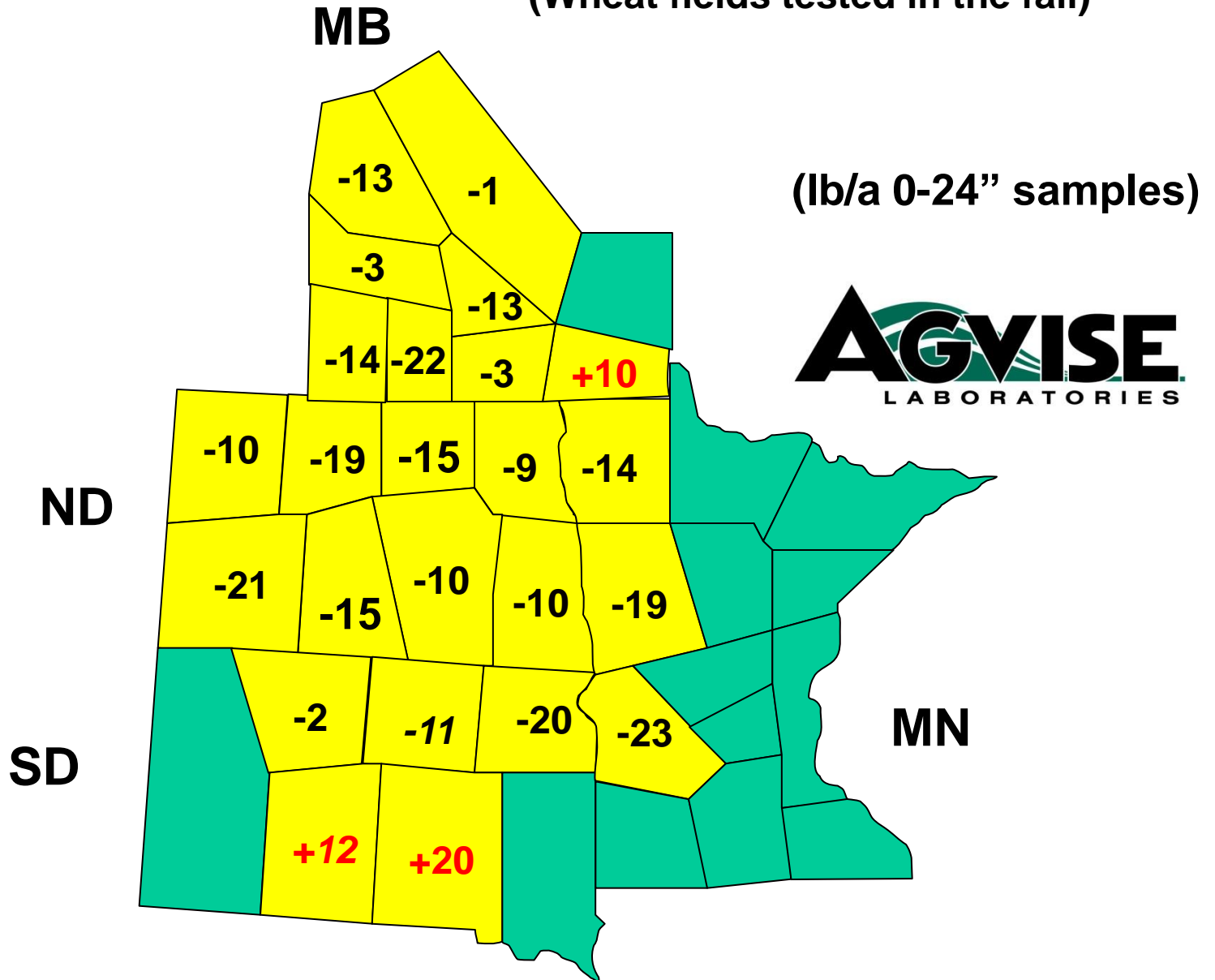


Average Soil Nitrate following Wheat in 2013

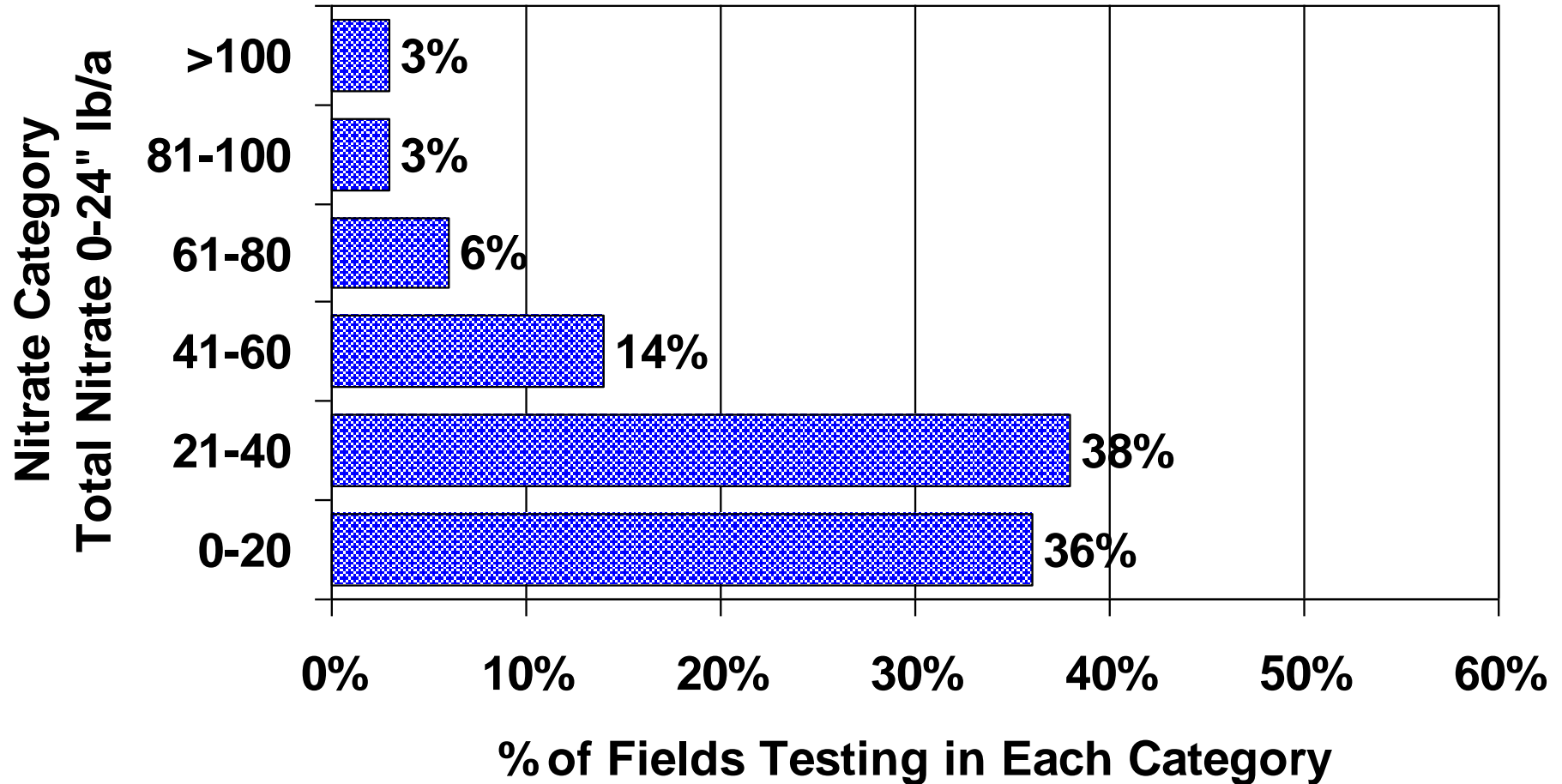


Average Change in Soil Nitrate From 2012

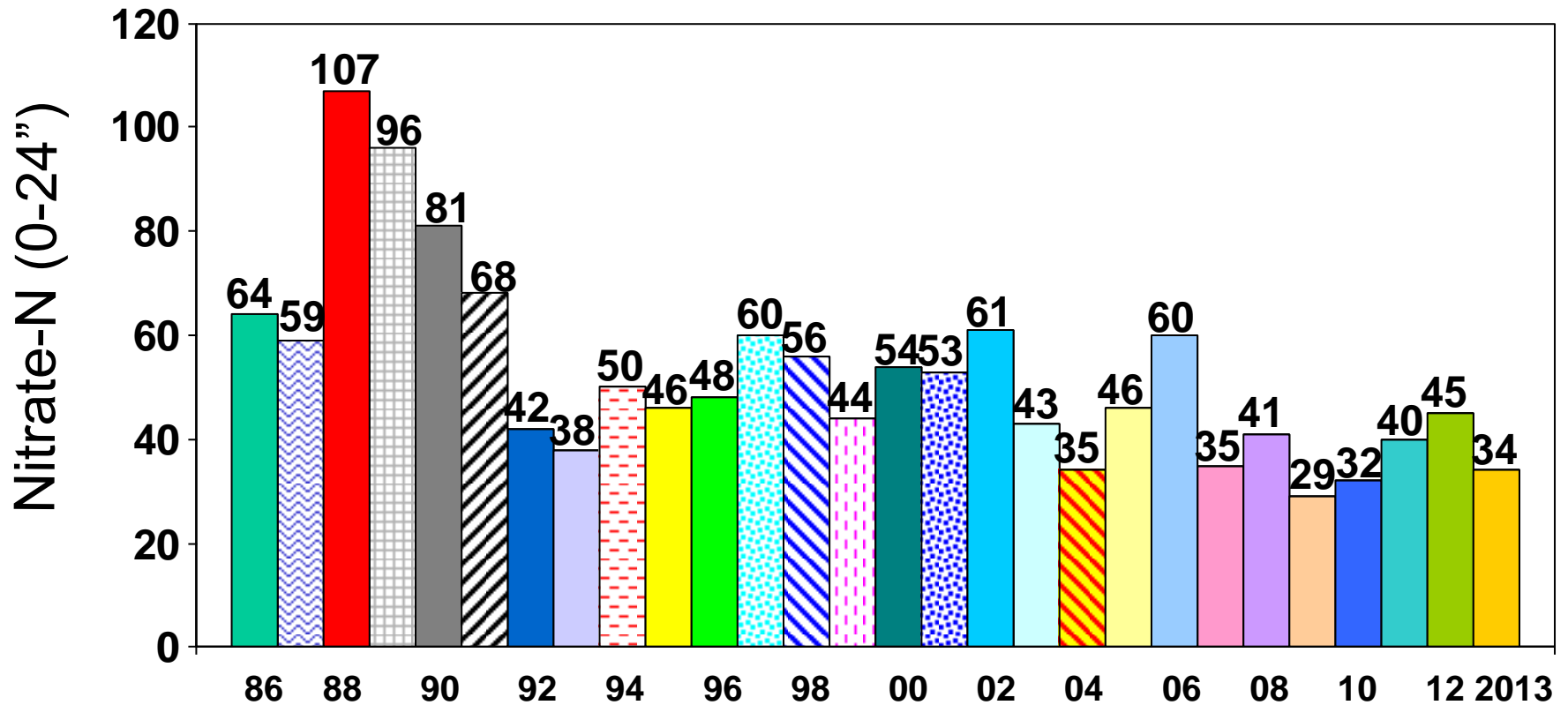
(Wheat fields tested in the fall)



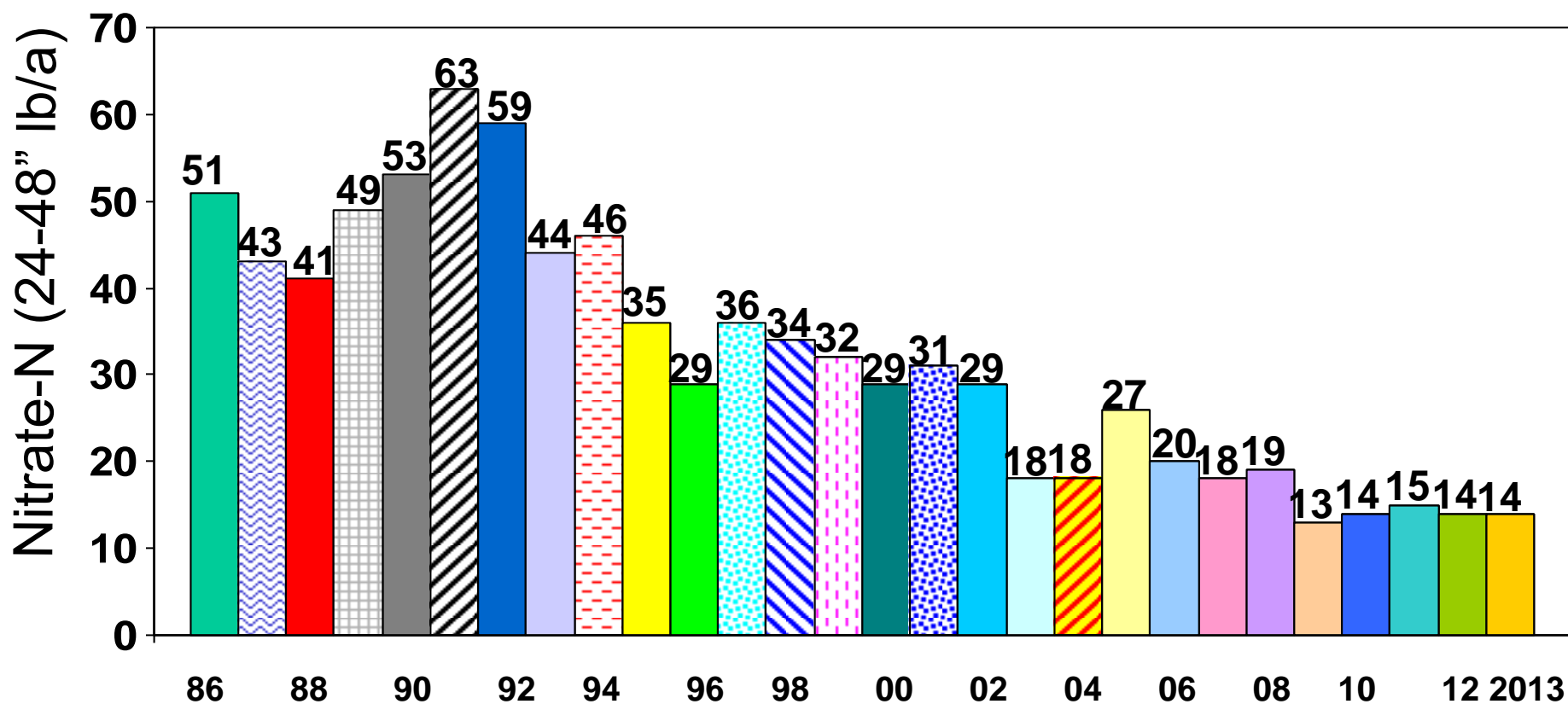
Soil Nitrate Variability Between Fields Following “WHEAT” in 2013



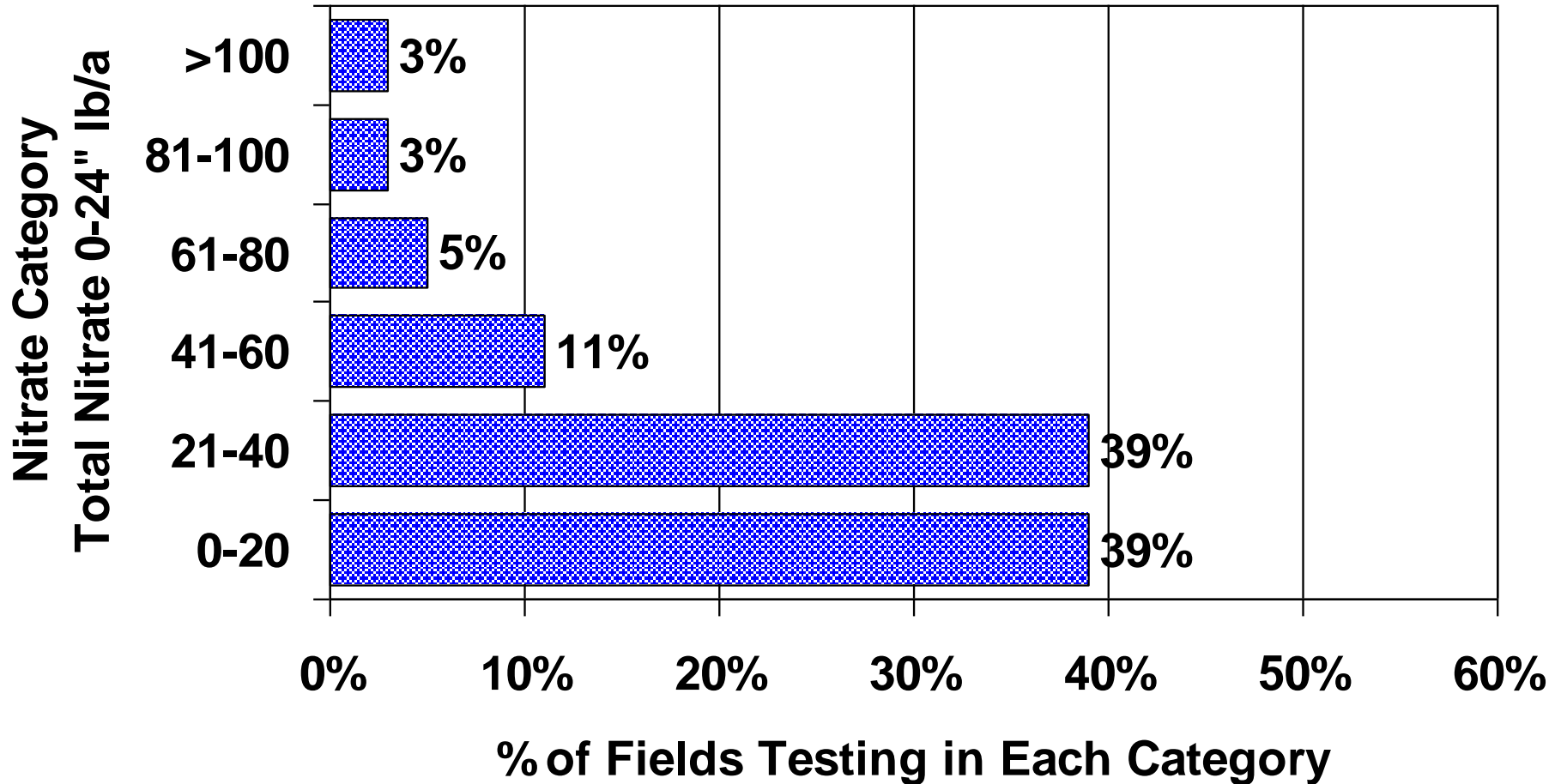
Average Soil Nitrate Following “WHEAT” 1986-2013 27 Years of history!



Average Soil Nitrate Following Wheat For Region (1986-2013) Deep "N" (24-48" lb/a)

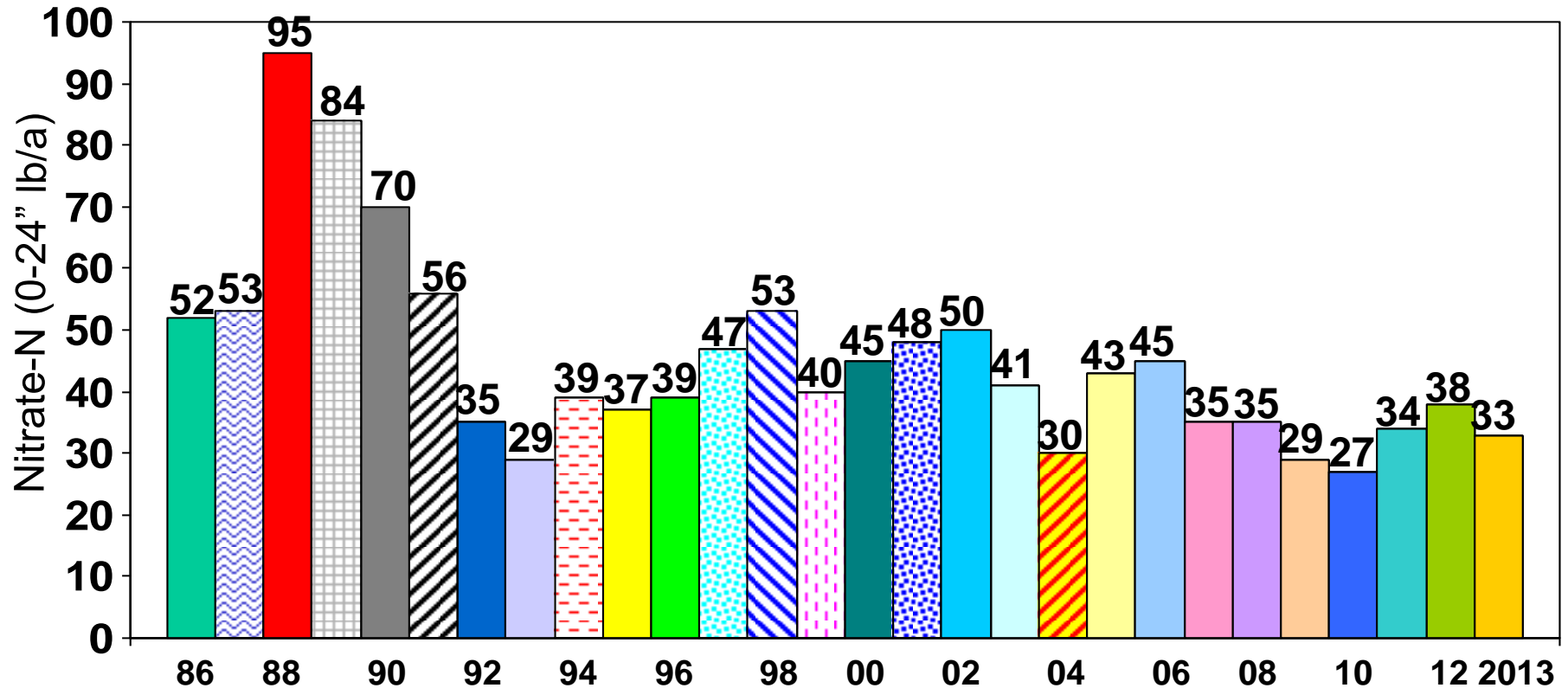


Soil Nitrate Variability Between Fields Following “Barley” in 2013

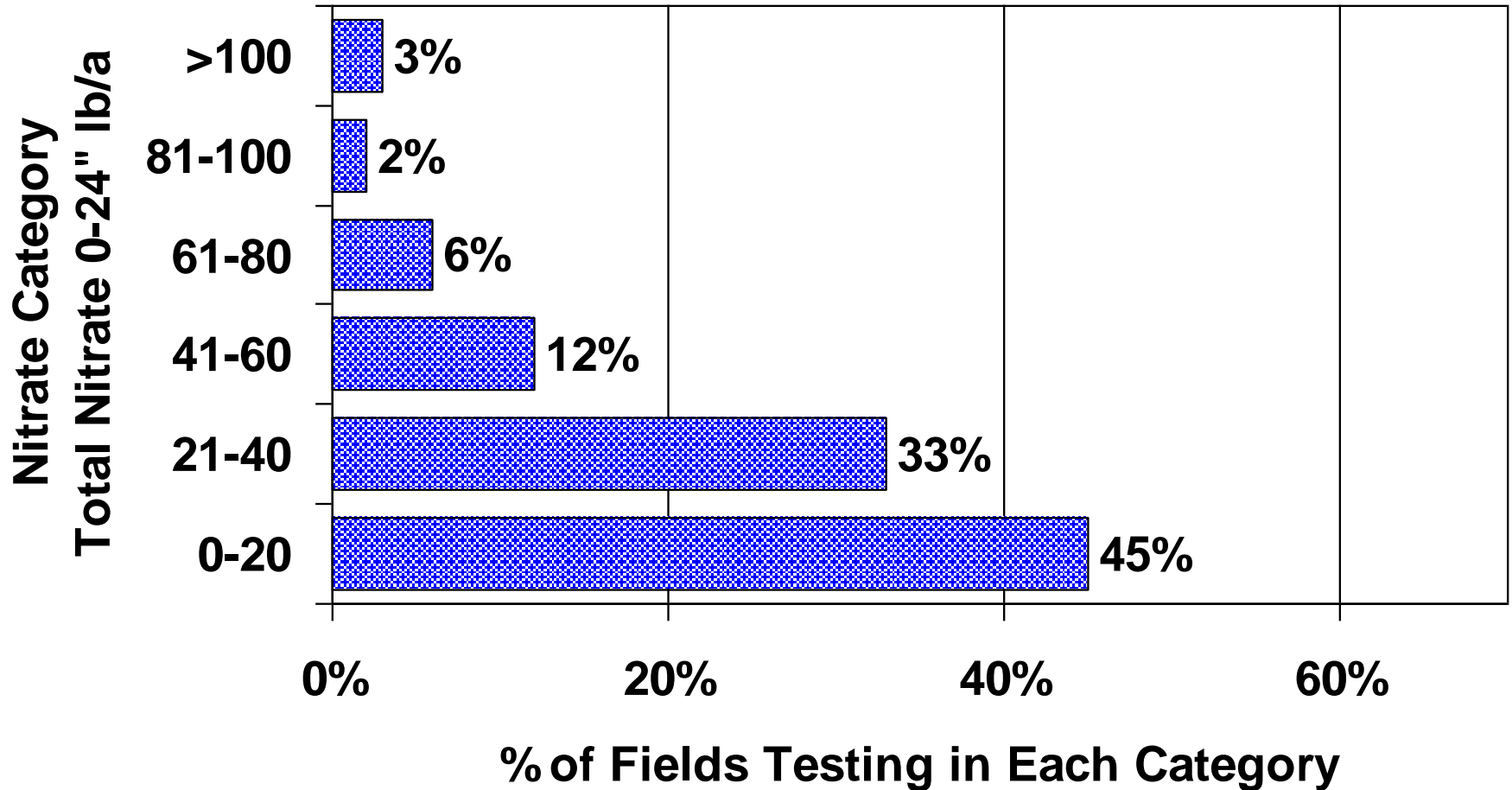


Average Soil Nitrate

Following "BARLEY 1986-2013"

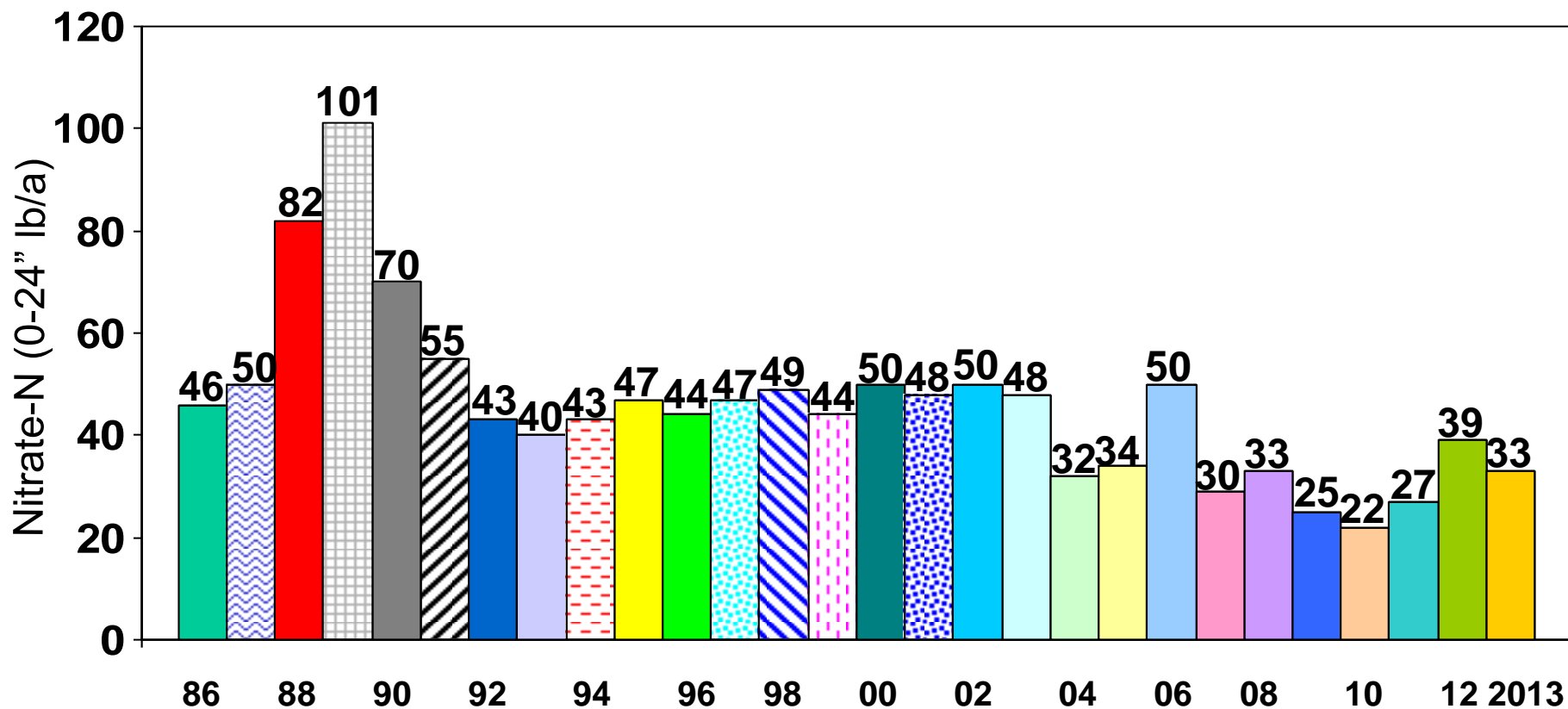


Soil Nitrate Variability Between Fields Following “Sunflower” in 2013

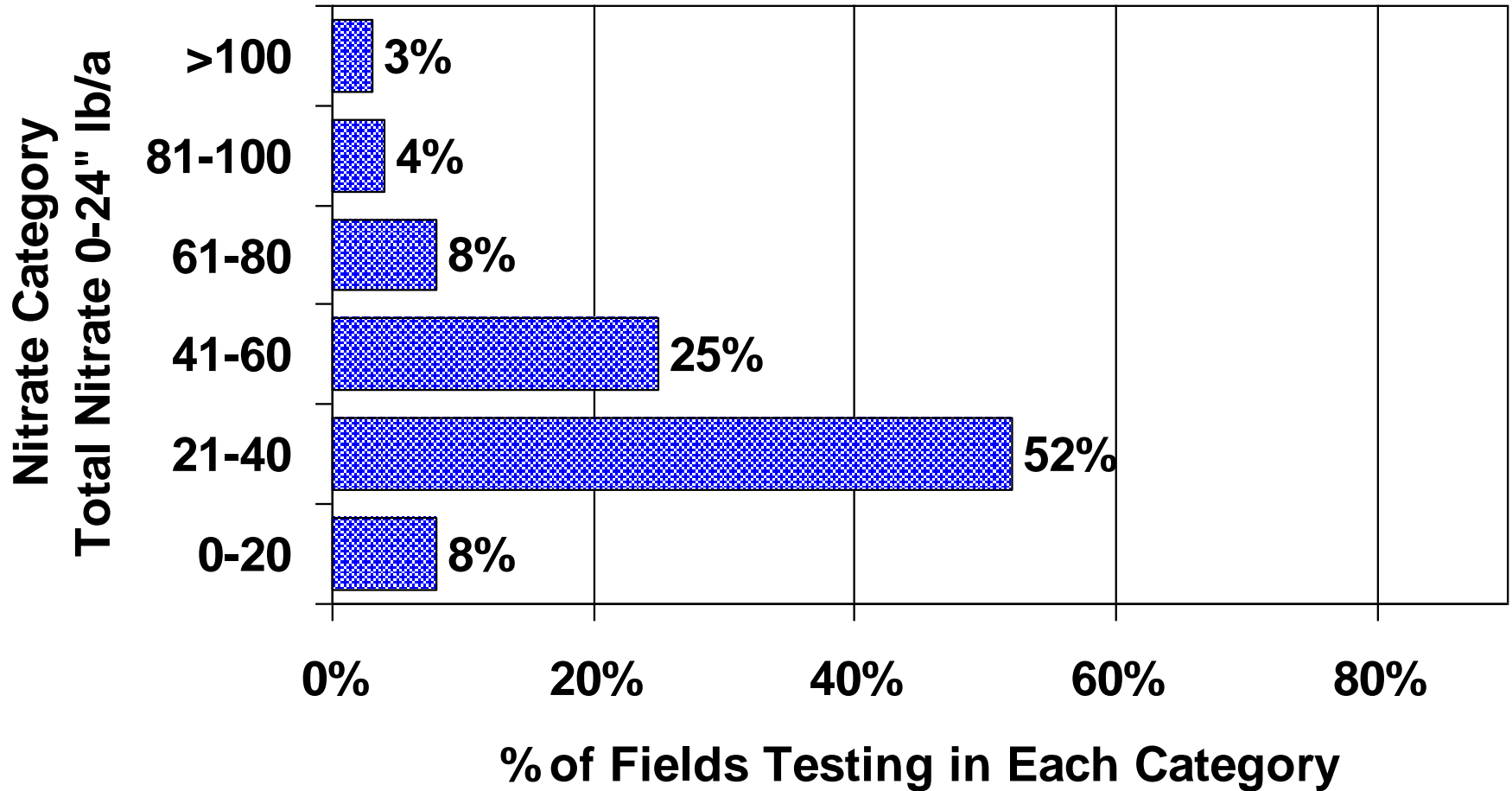


Average Soil Nitrate

Following "SUNFLOWER" 1986-2013

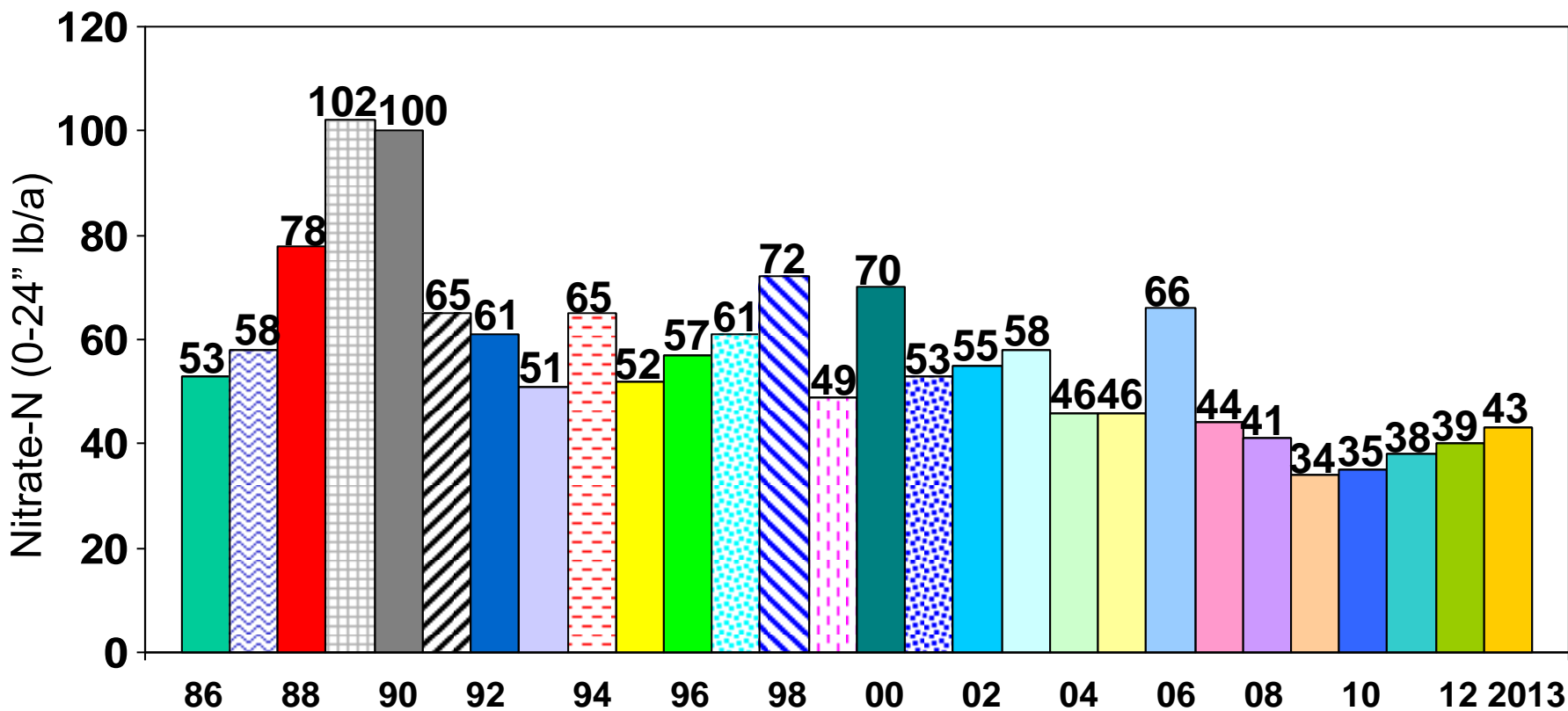


Soil Nitrate Variability Between Fields Following “Edible Beans” in 2013

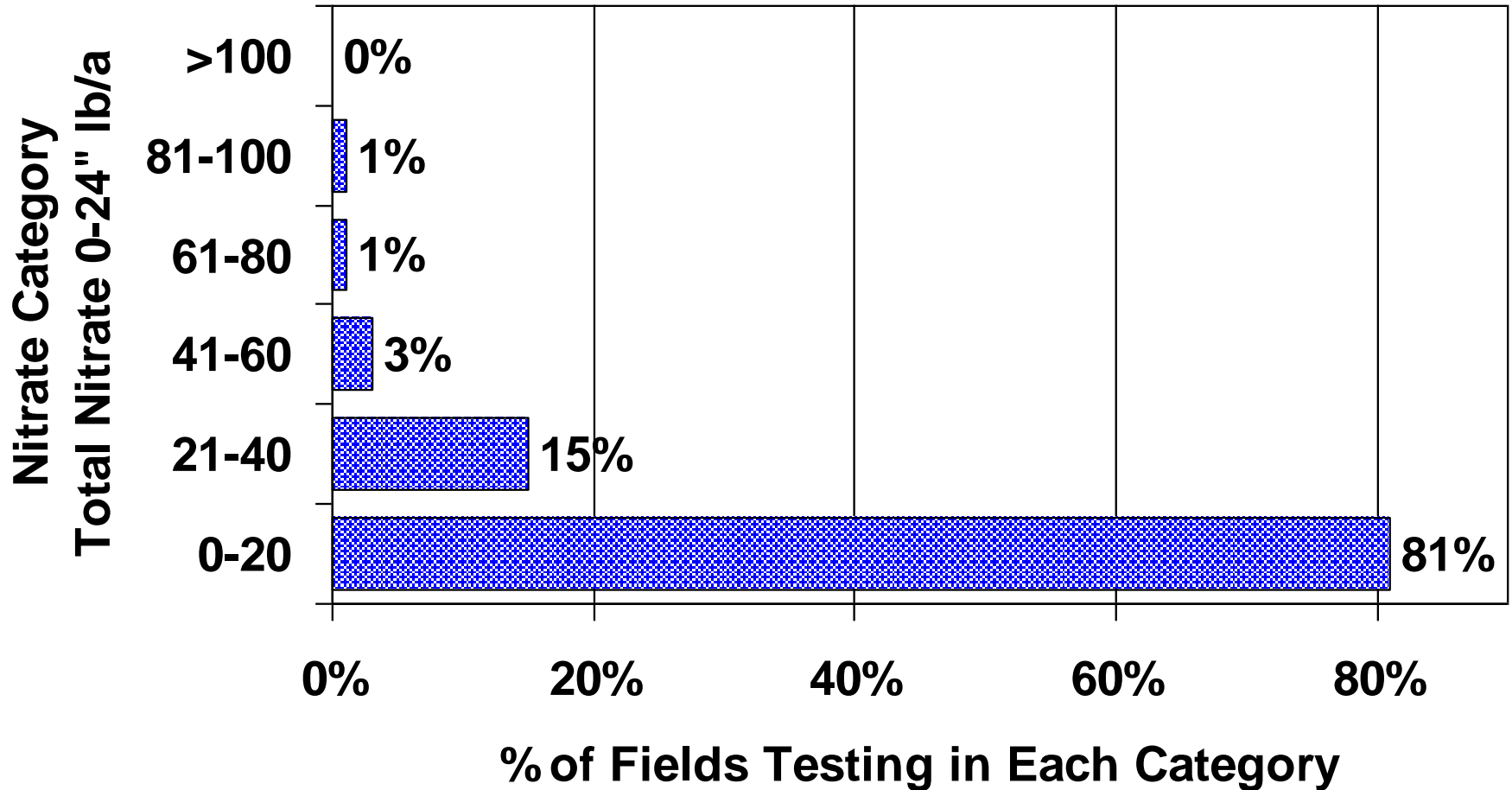


Average Soil Nitrate

Following "DRY BEANS" 1986-2013

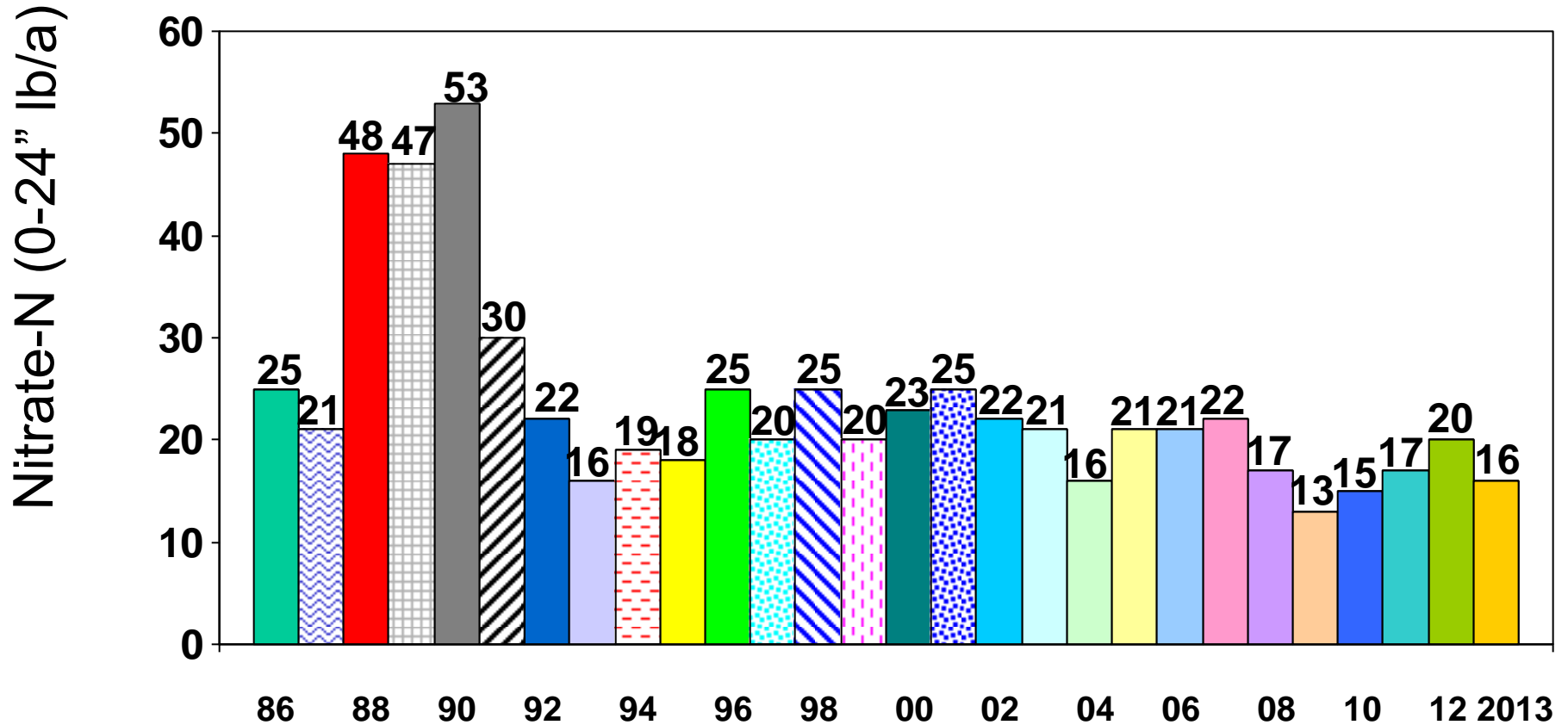


Soil Nitrate Variability Between Fields Following “Sugarbeet” in 2013

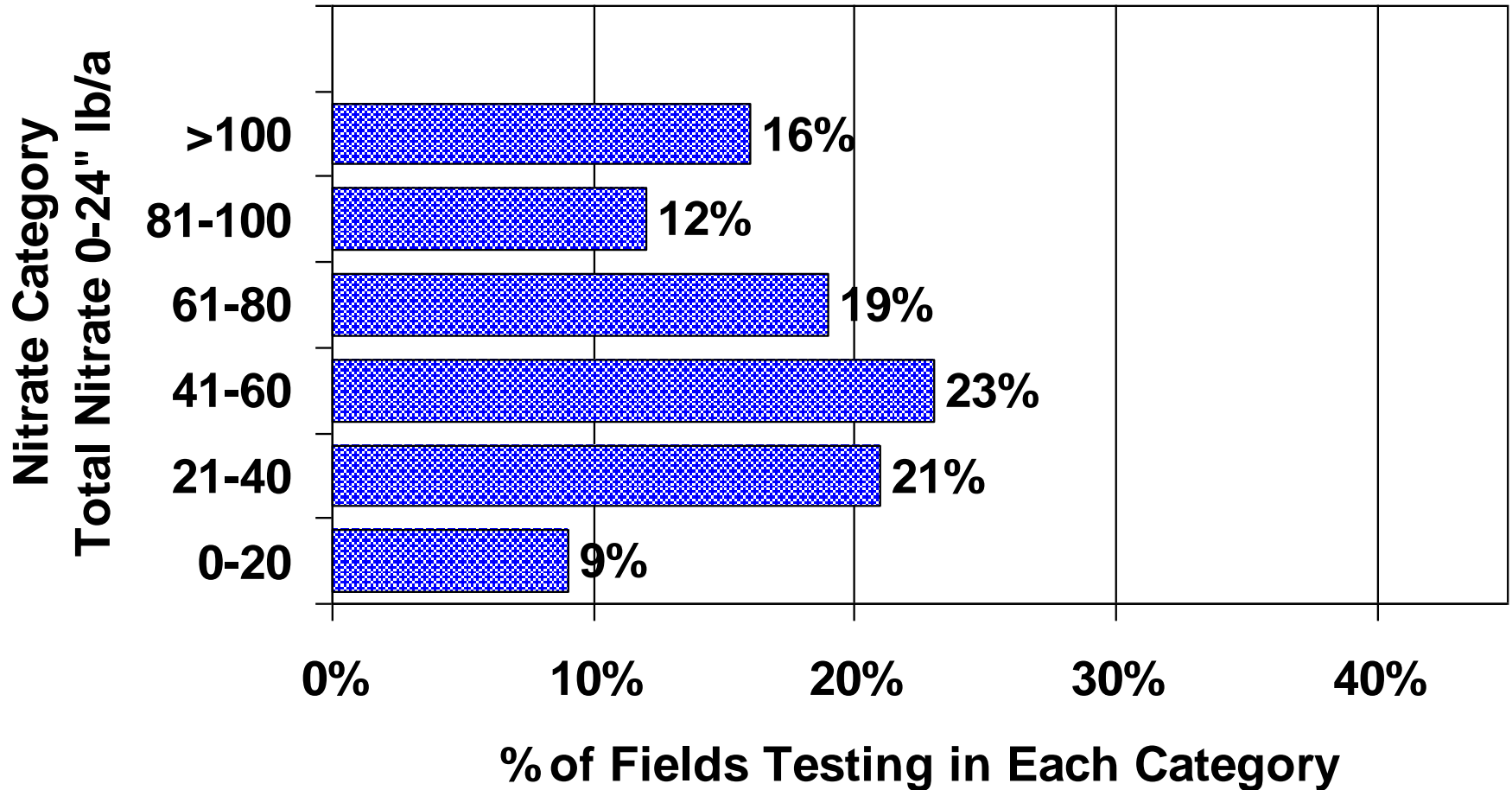


Average Soil Nitrate

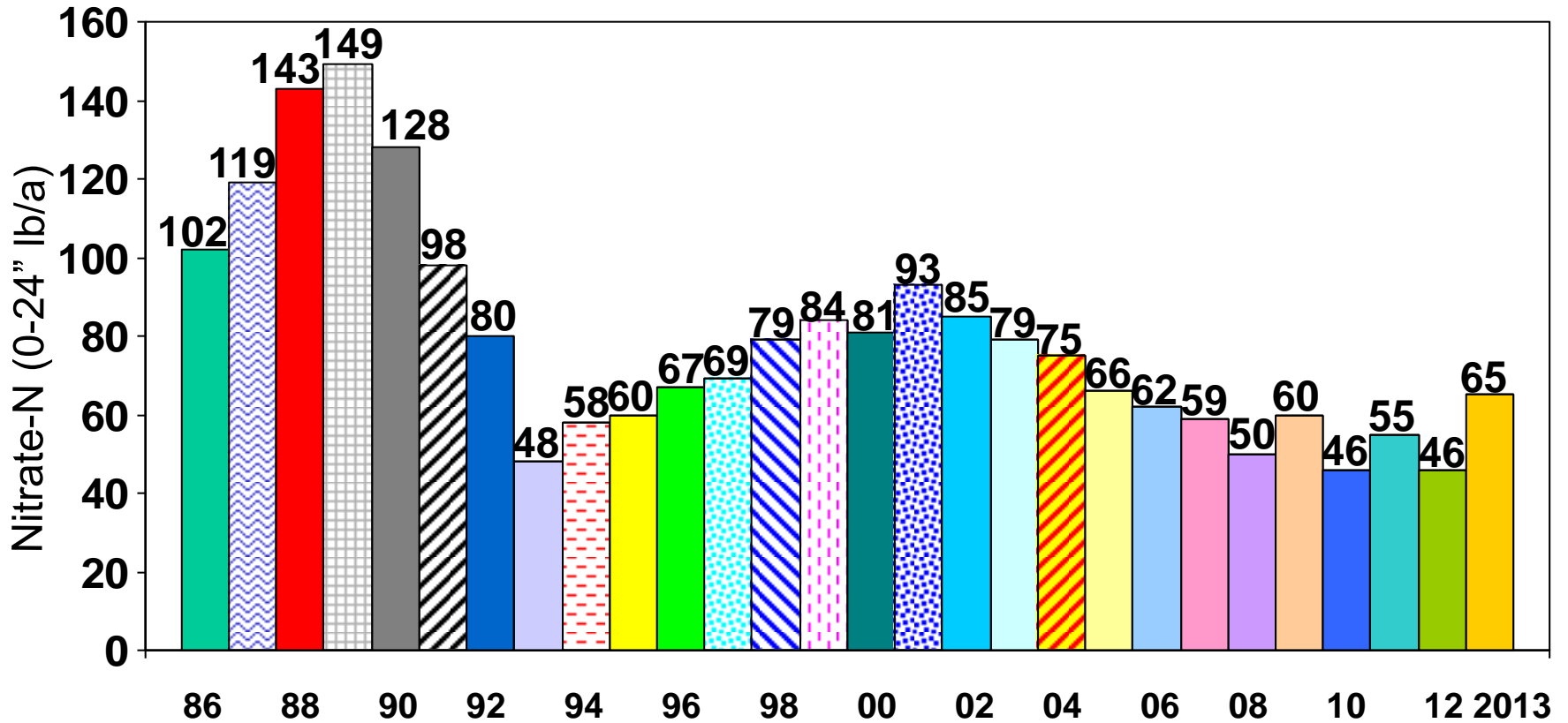
Following "SUGARBEET" 1986- 2013



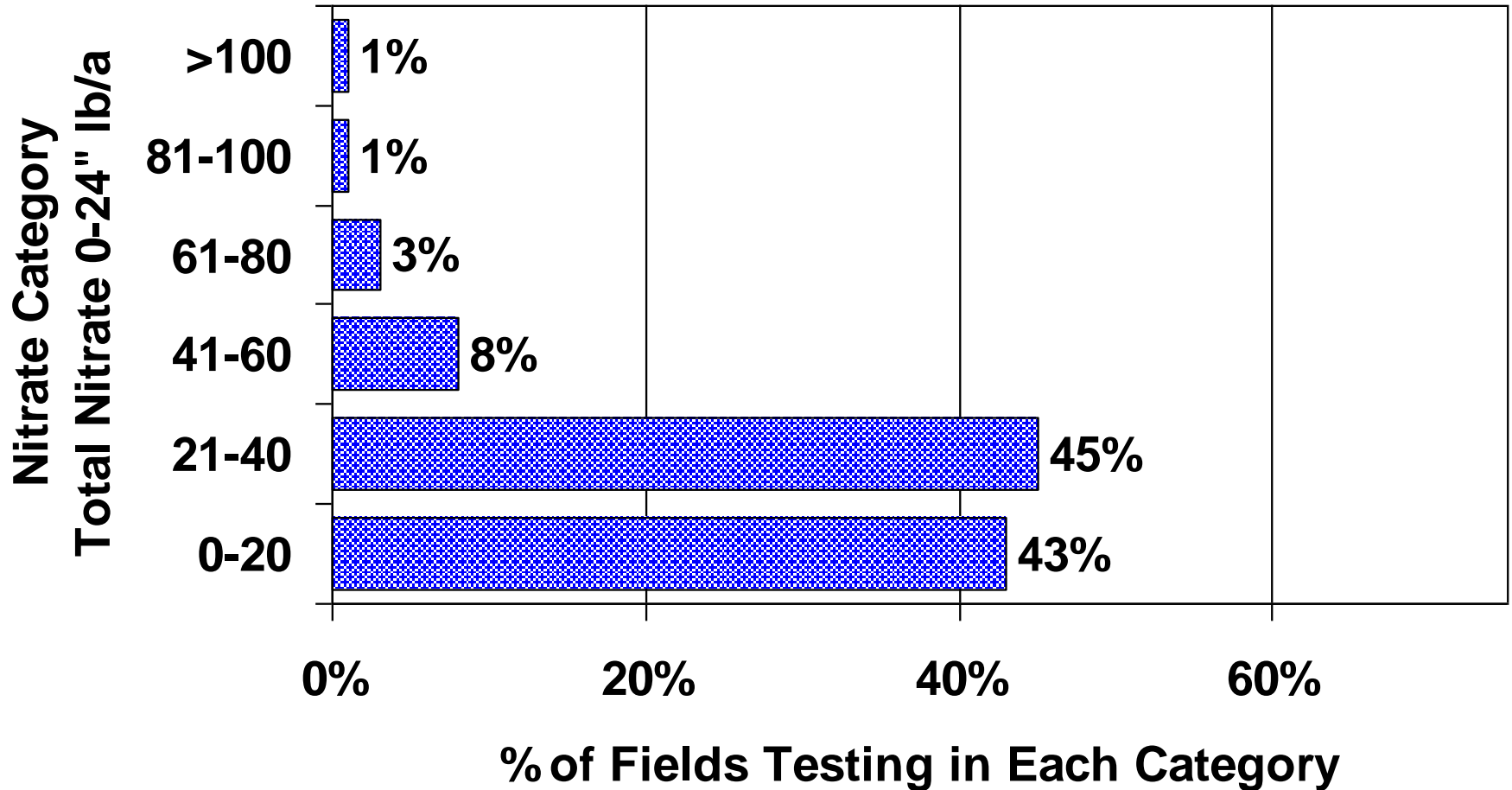
Soil Nitrate Variability Between Fields Following “Fallow” in 2013



Average Soil Nitrate *Following "FALLOW" 1986-2013*

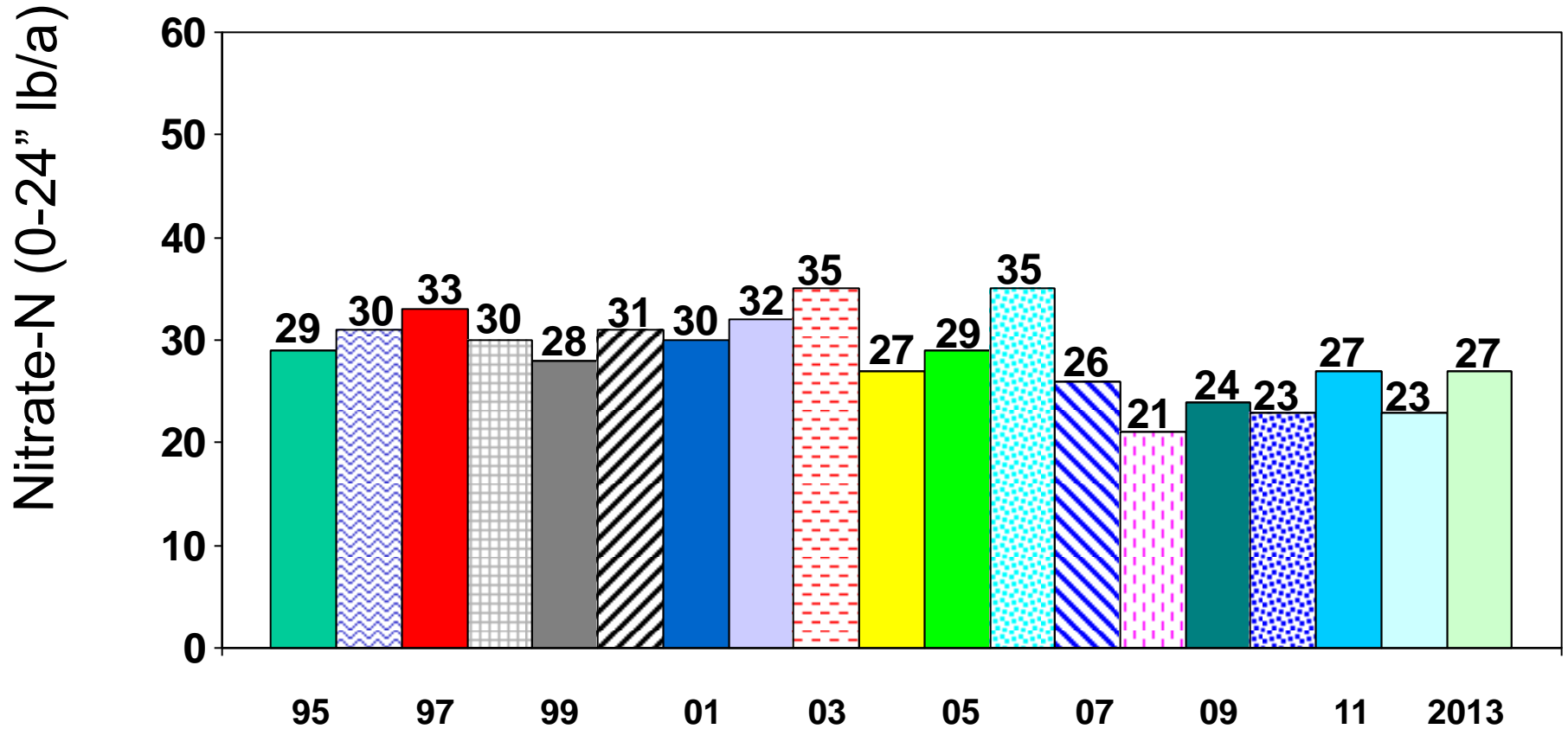


Soil Nitrate Variability Between Fields Following “Soybeans” in 2013

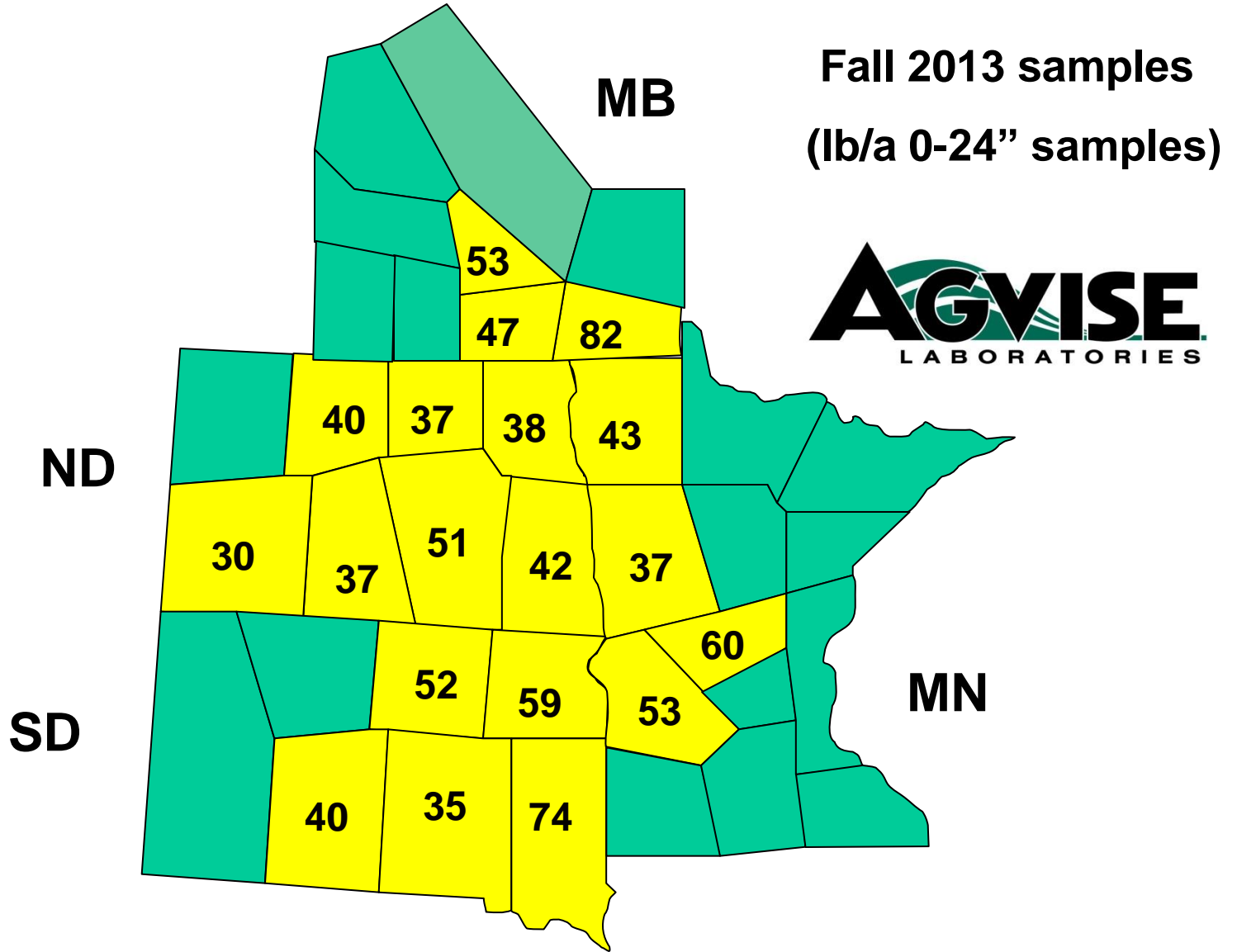


Average Soil Nitrate

Following "Soybeans" 1995-2013

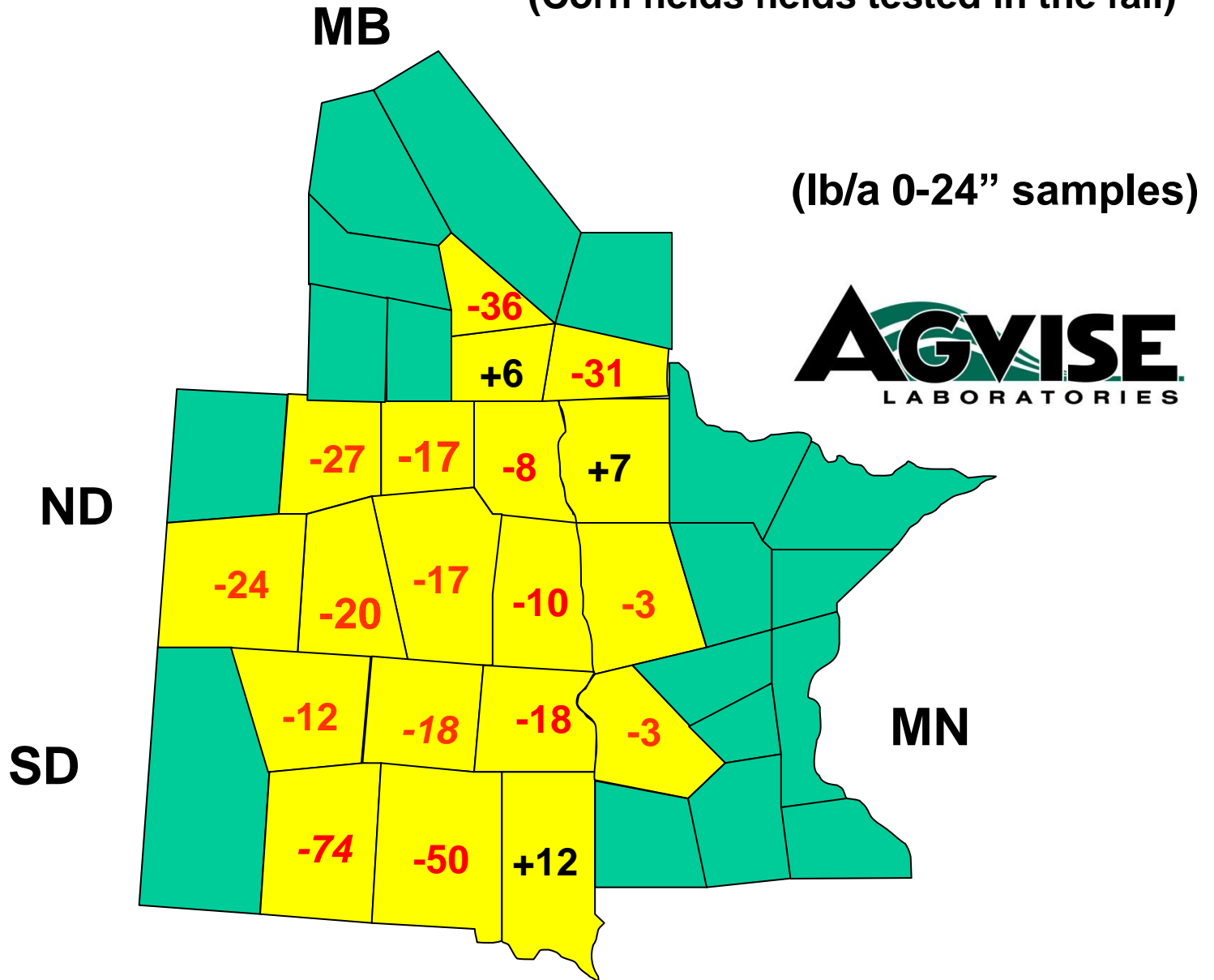


Average Soil Nitrate following Corn in 2013

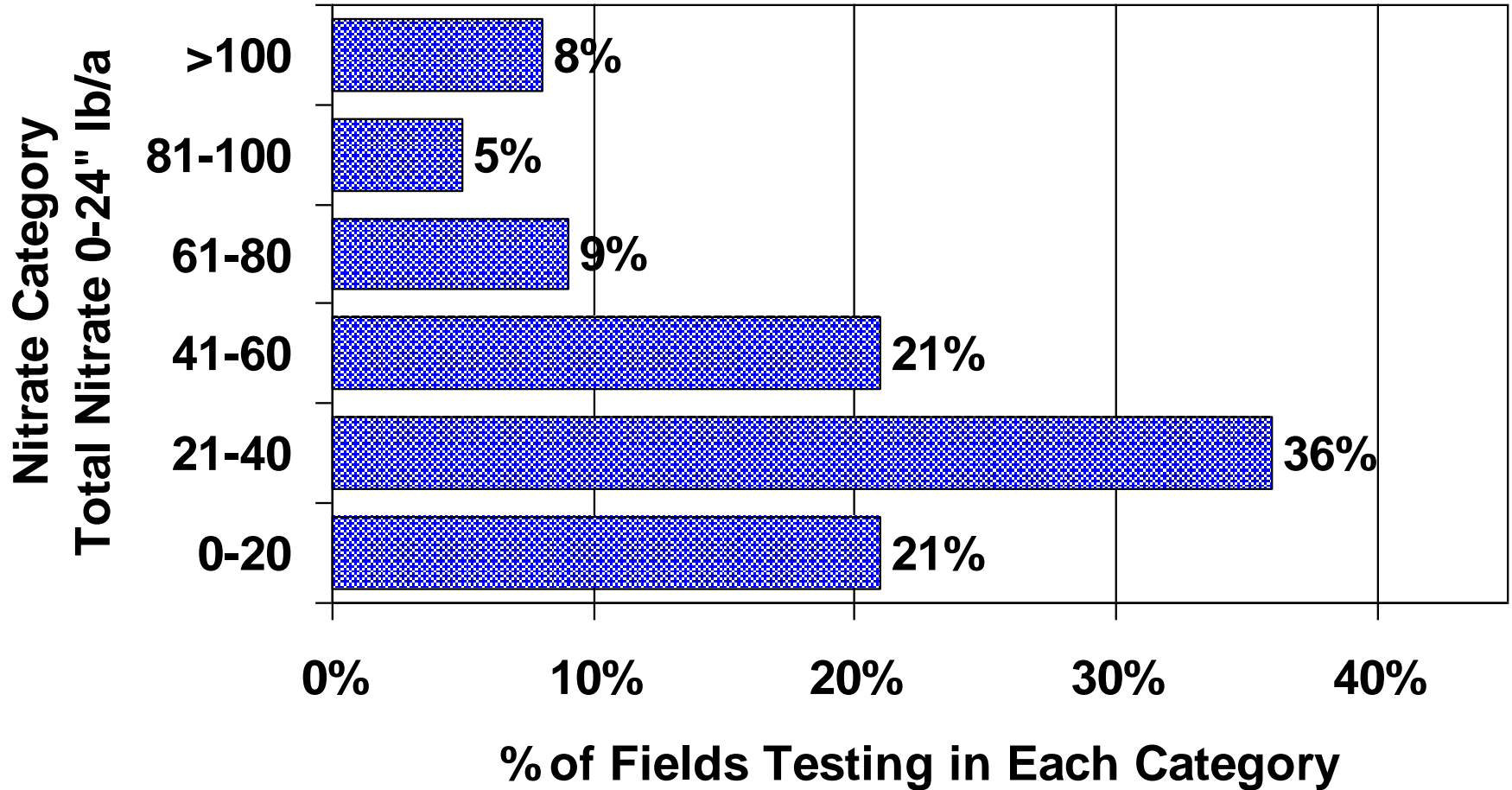


Average Change in Soil Nitrate From 2012

(Corn fields fields tested in the fall)



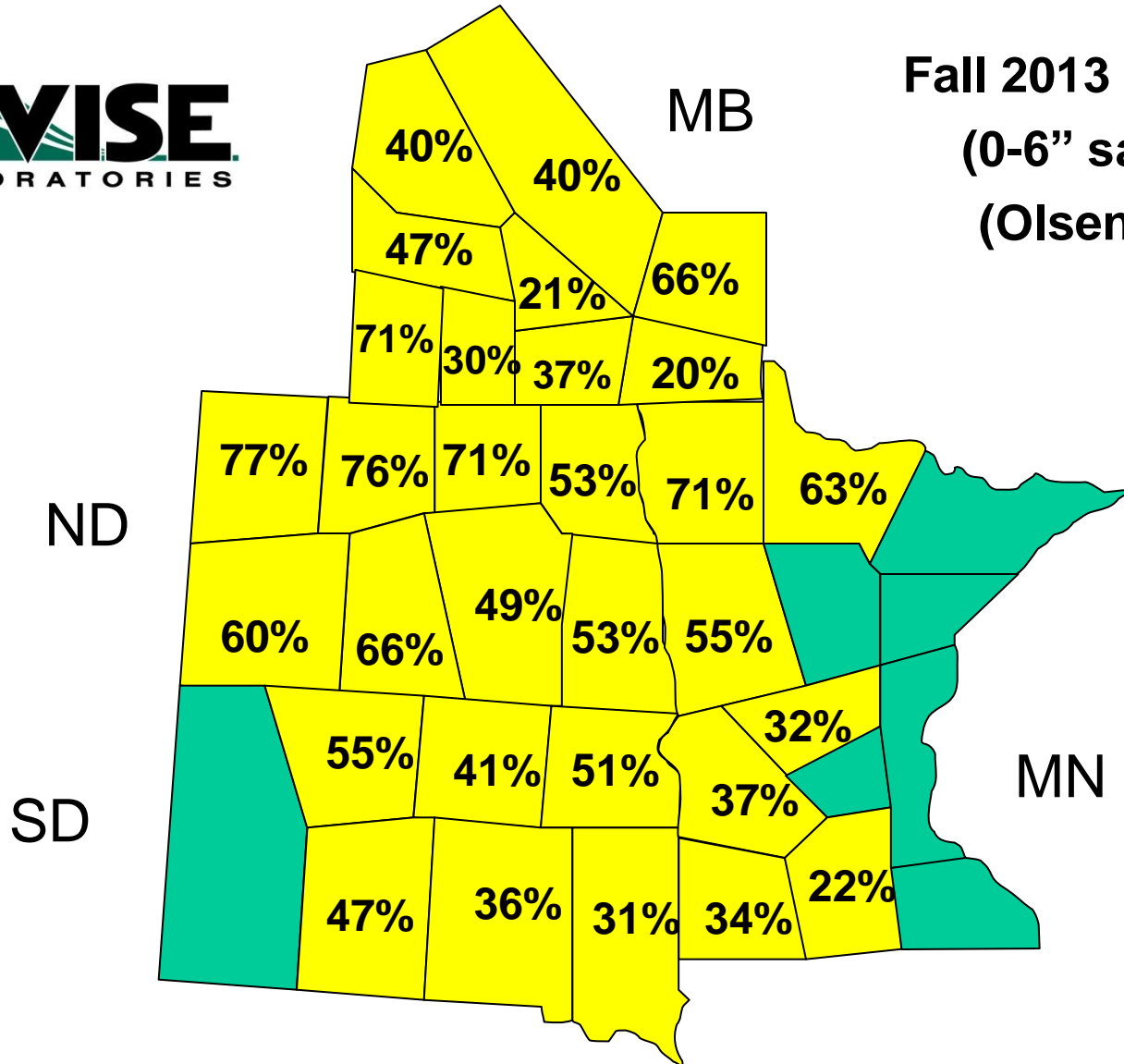
Soil Nitrate Variability Between Fields Following “Corn” in 2013



% Soil Samples with Phosphorus less than 10 ppm



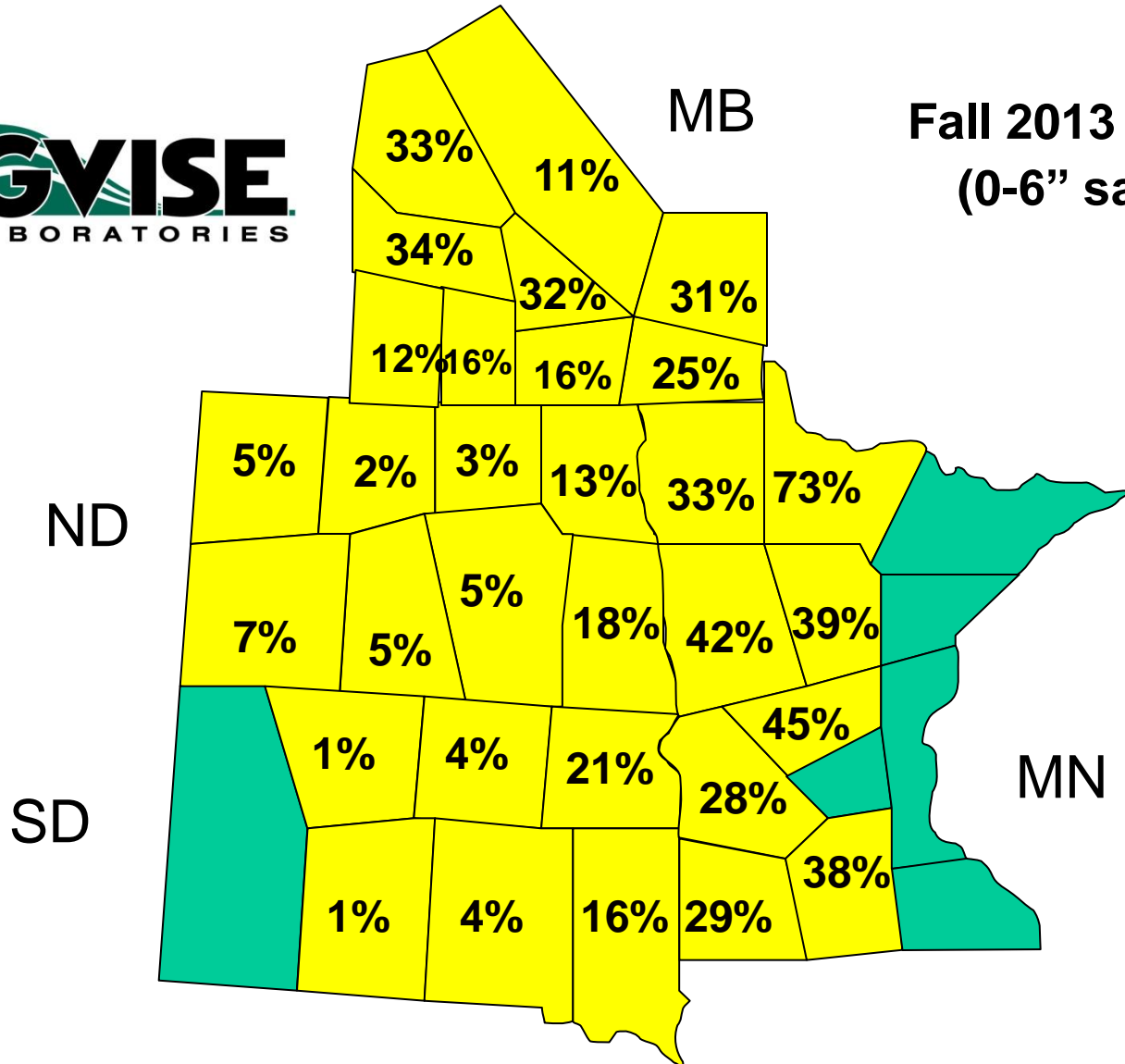
Fall 2013 samples
(0-6" samples)
(Olsen P test)



% Soil Samples with Potassium less than 150 ppm



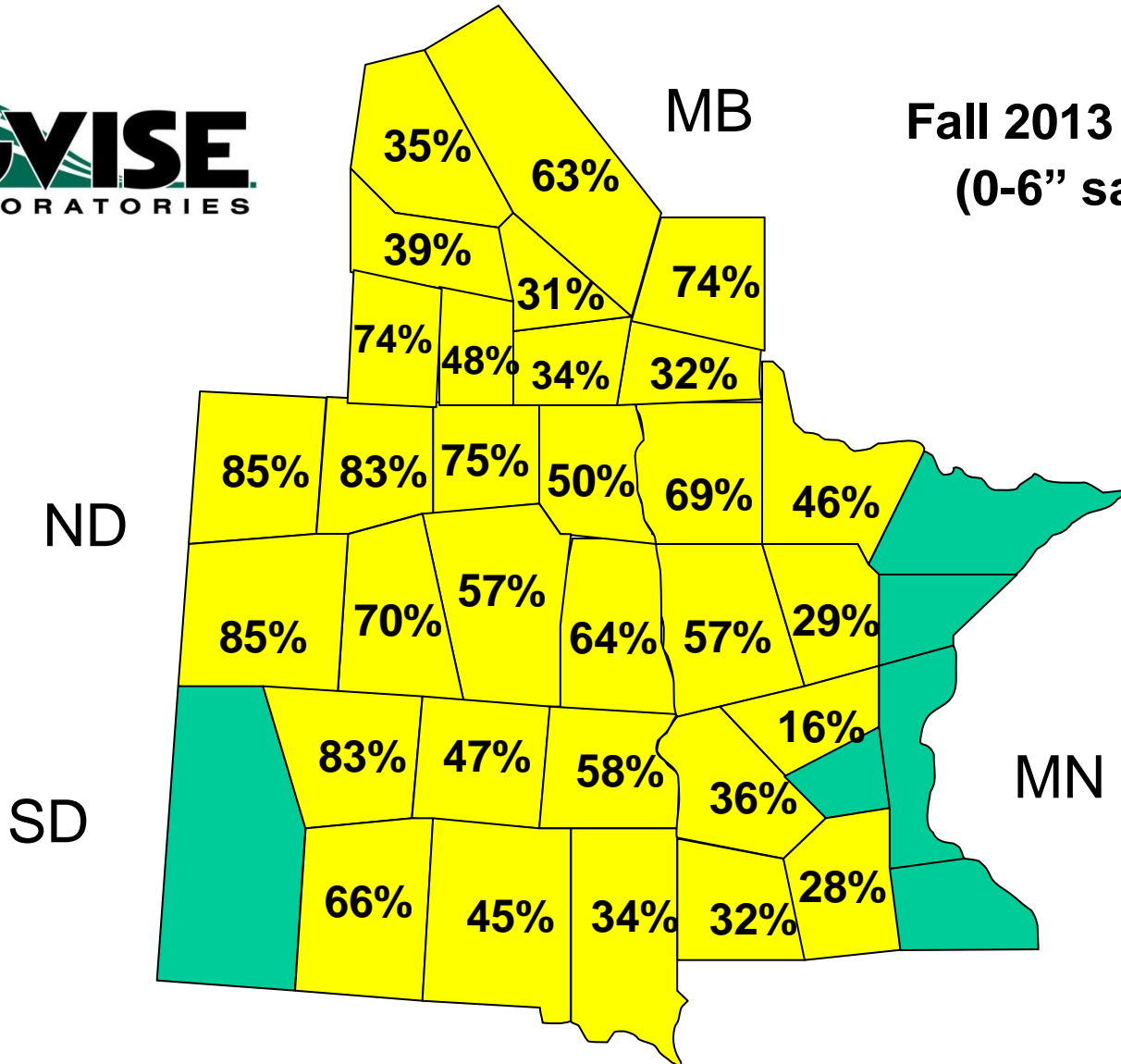
Fall 2013 samples
(0-6" samples)



% Soil Samples with Zinc less than 1.0 ppm



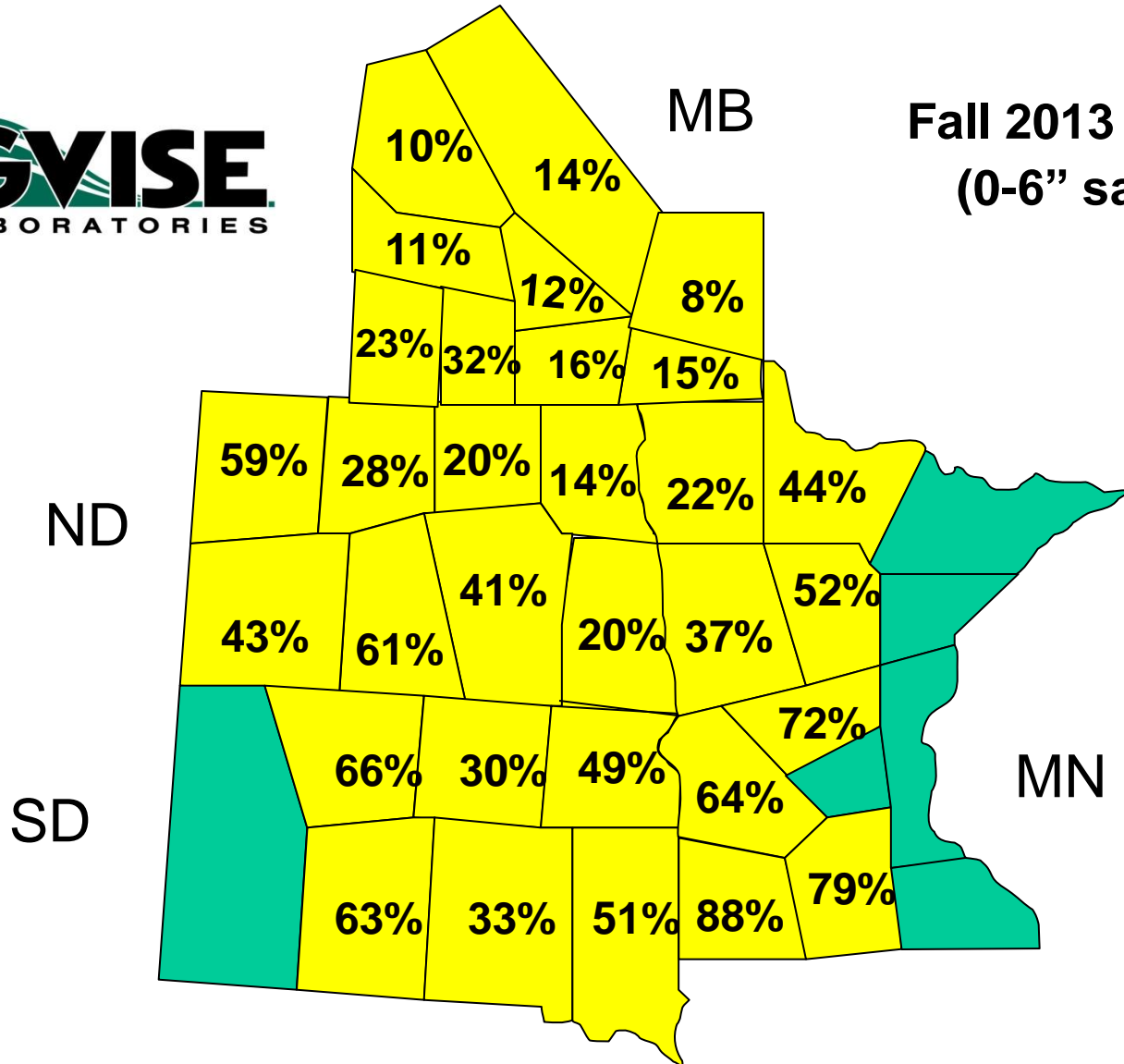
Fall 2013 samples
(0-6" samples)



% Soil Samples with Sulfur less than 15 lb/a



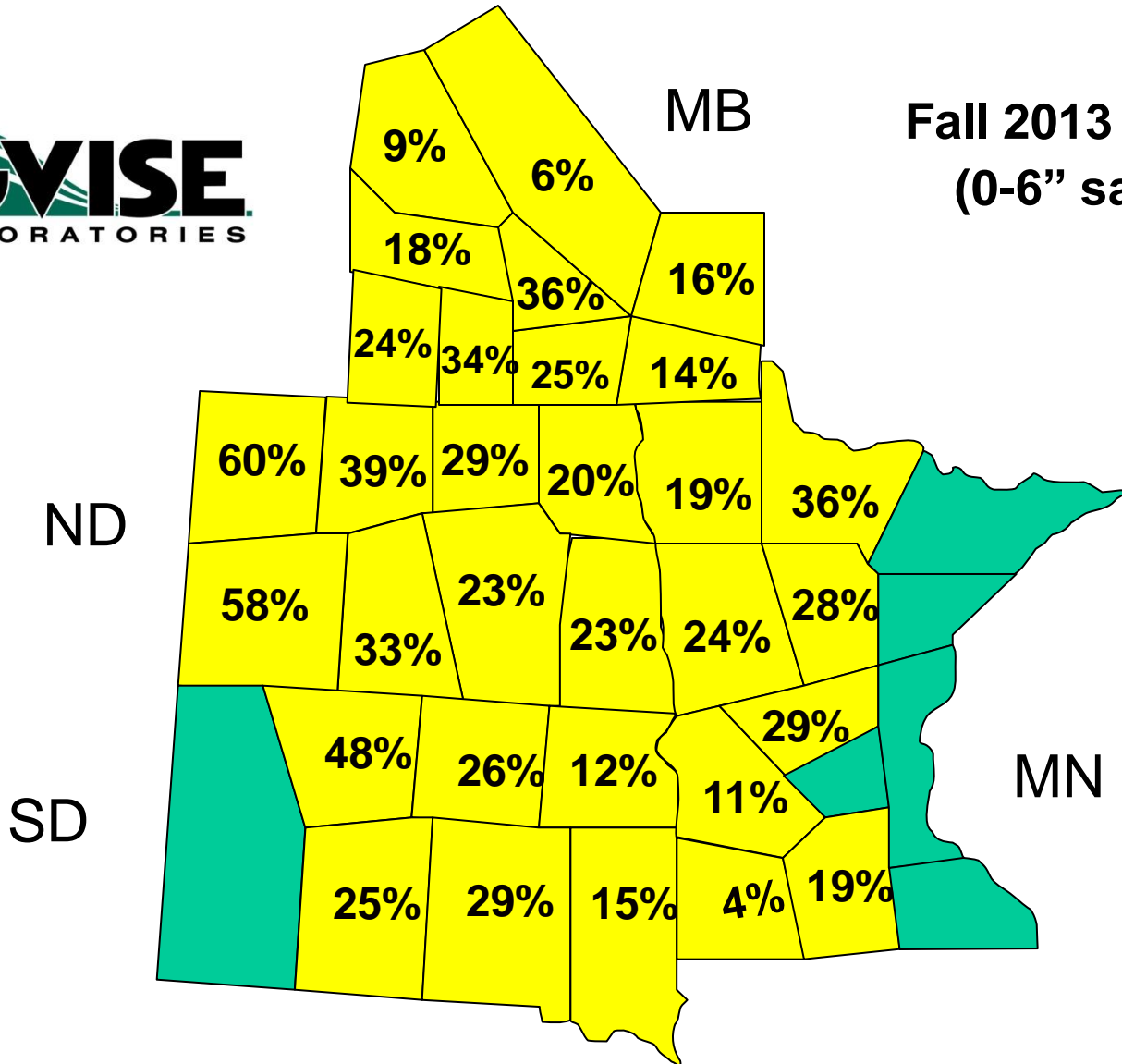
Fall 2013 samples
(0-6" samples)



% Soil Samples with %OM less than 3.0%



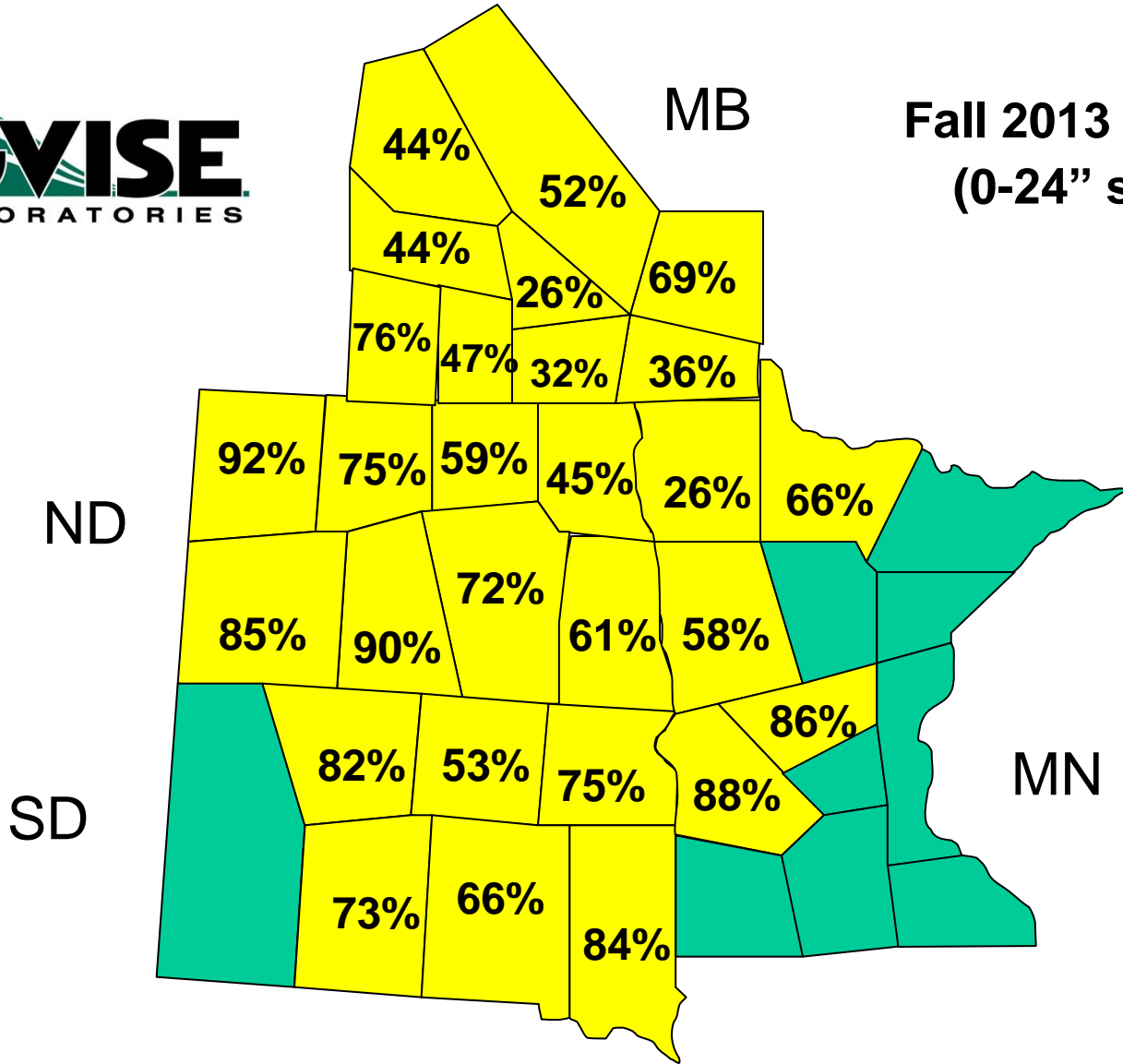
Fall 2013 Samples
(0-6" samples)



% Soil Samples with Chloride less than 40 lb/a



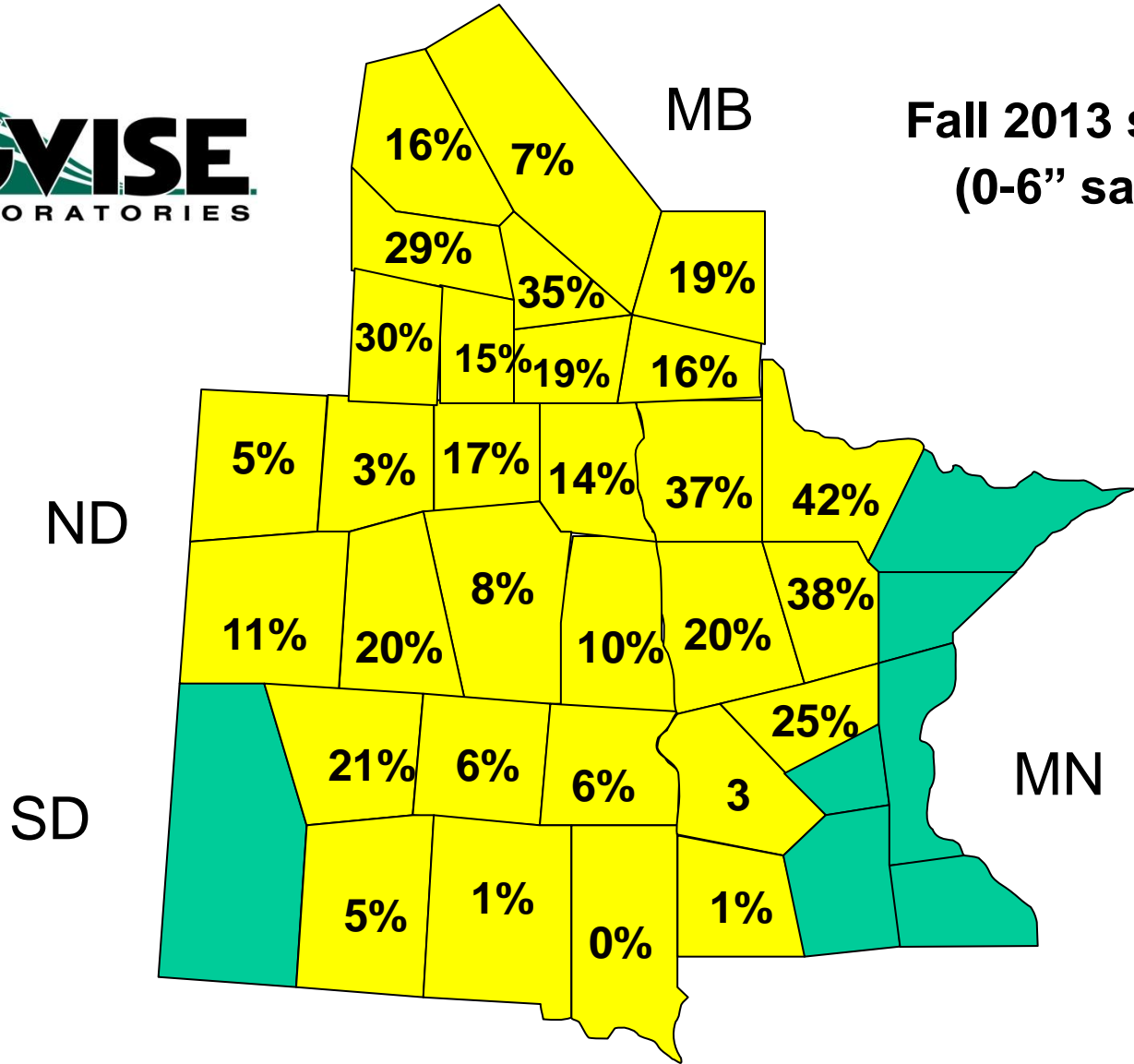
**Fall 2013 Samples
(0-24" samples)**



% Soil Samples with Copper less than 0.5 ppm



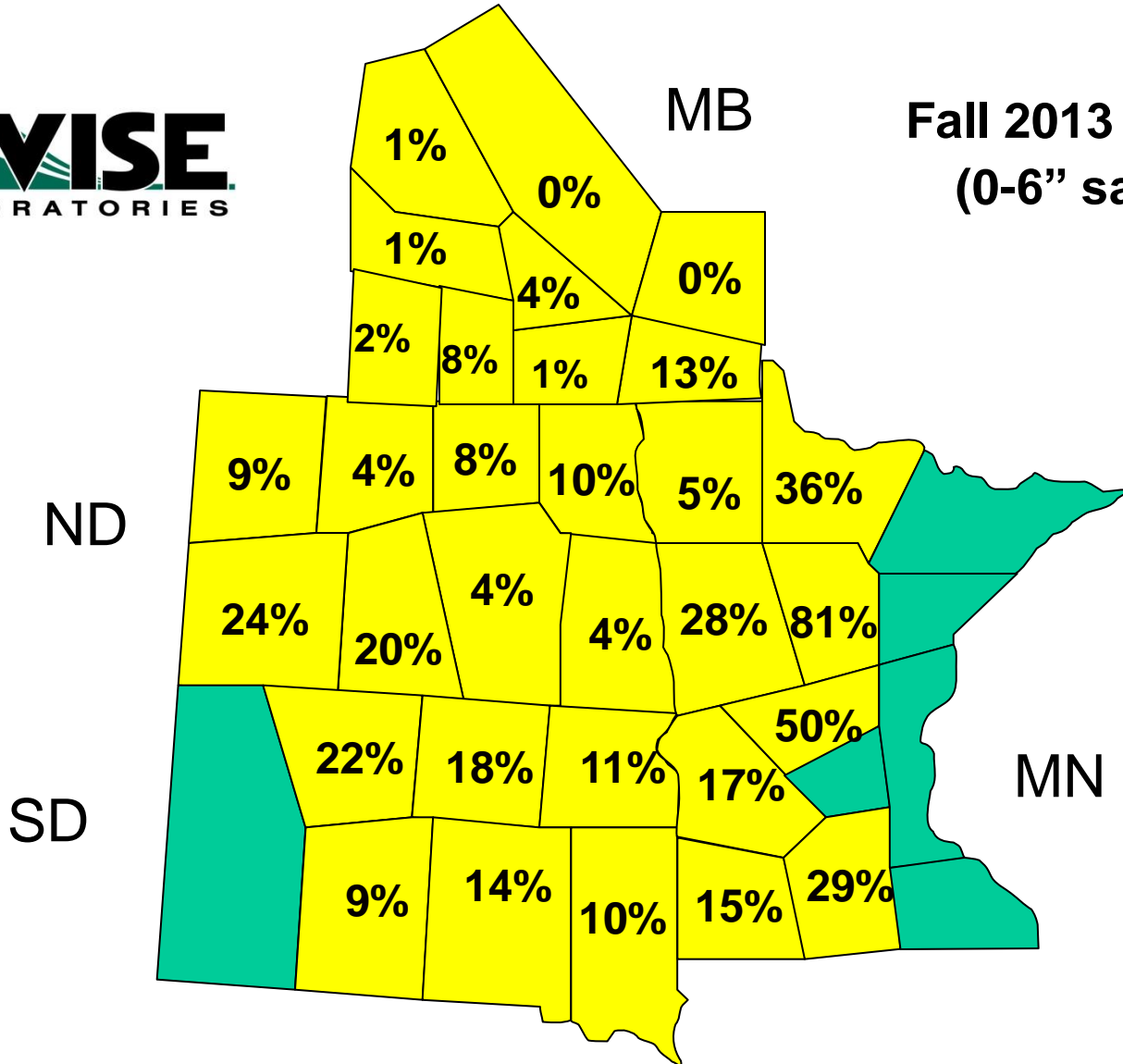
Fall 2013 samples
(0-6" samples)



% Soil Samples with Boron less than 0.4 ppm



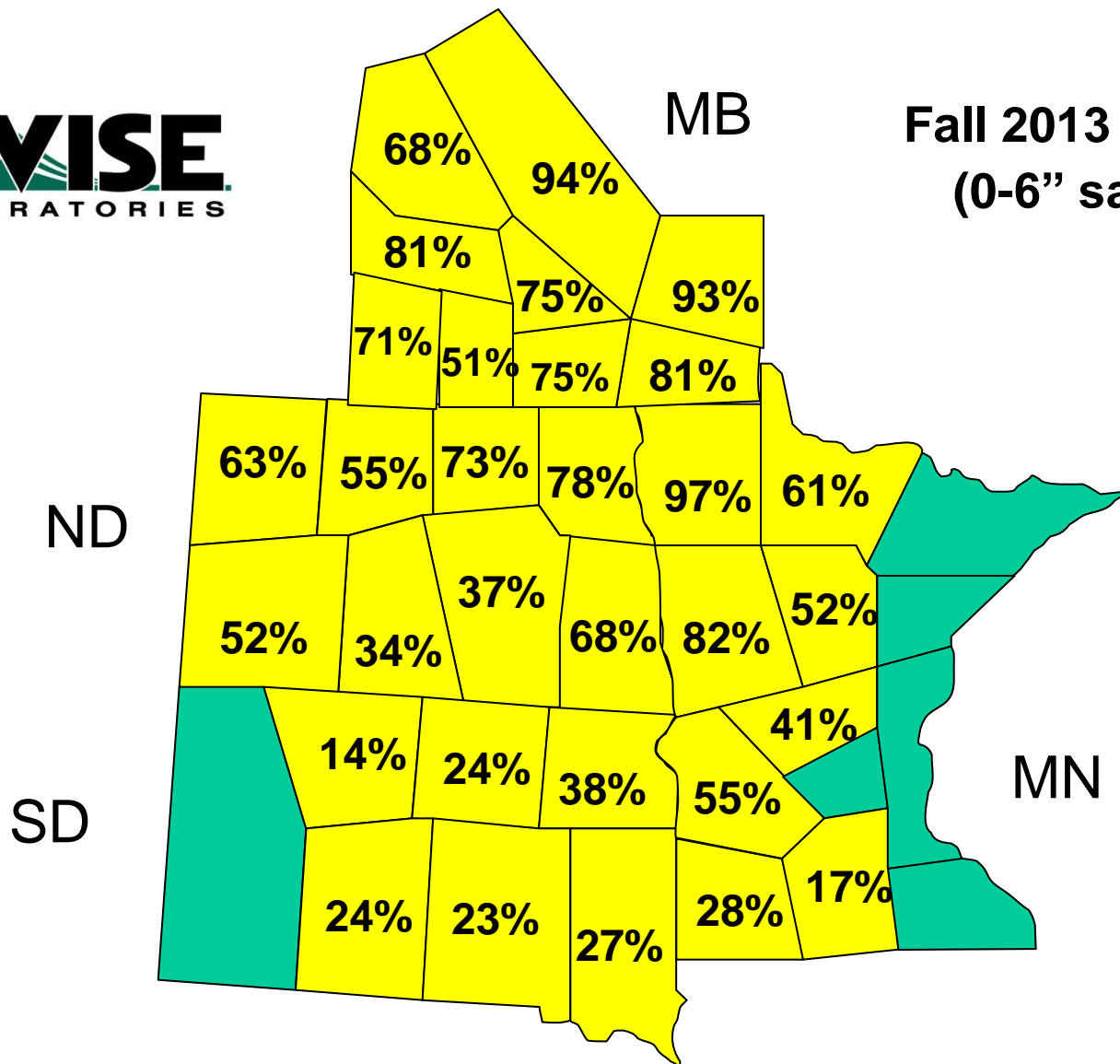
Fall 2013 samples
(0-6" samples)



% Soil Samples with Soil pH greater than 7.3



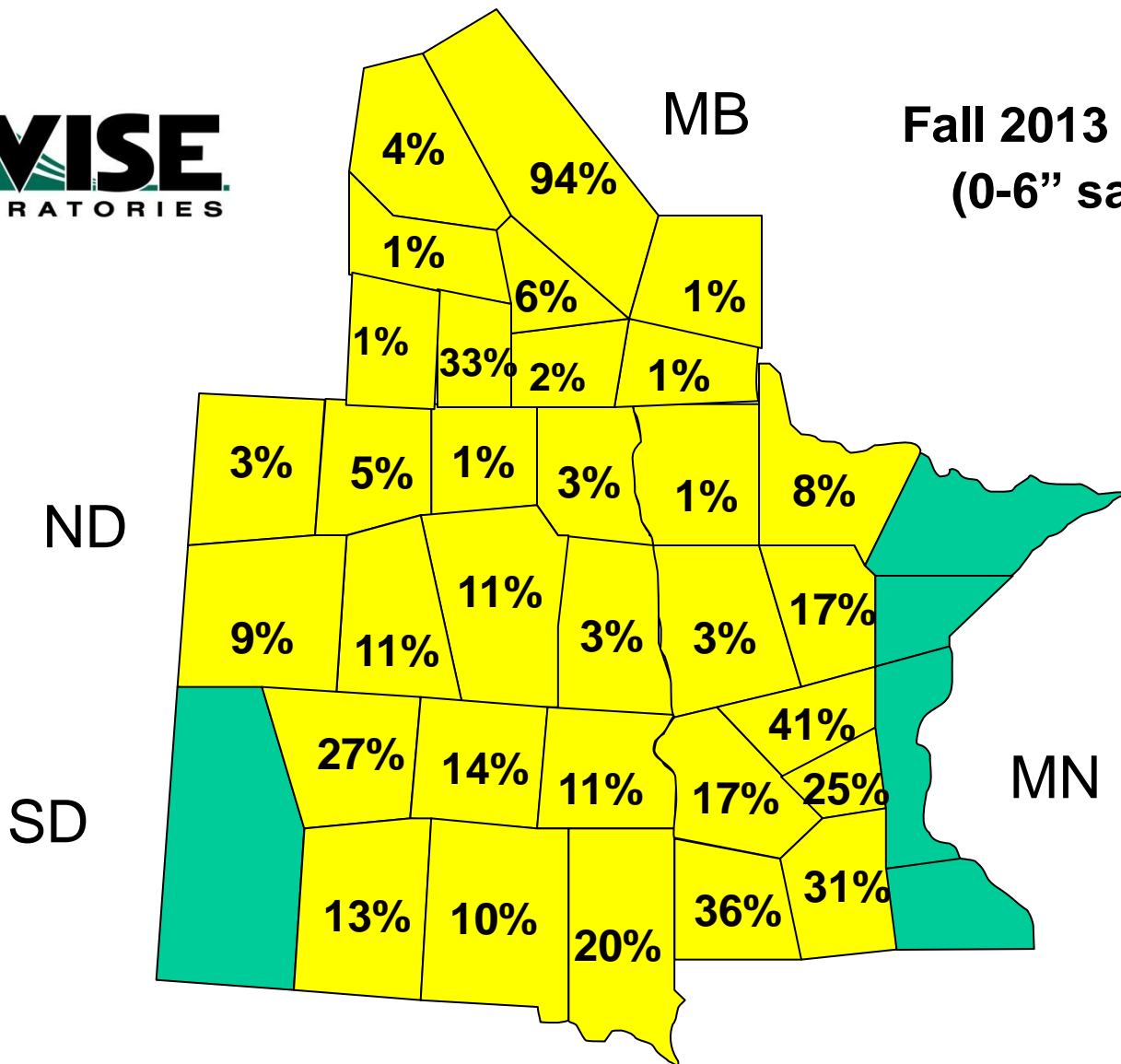
Fall 2013 samples
(0-6" samples)



% Soil Samples with Soil pH less than 6.0



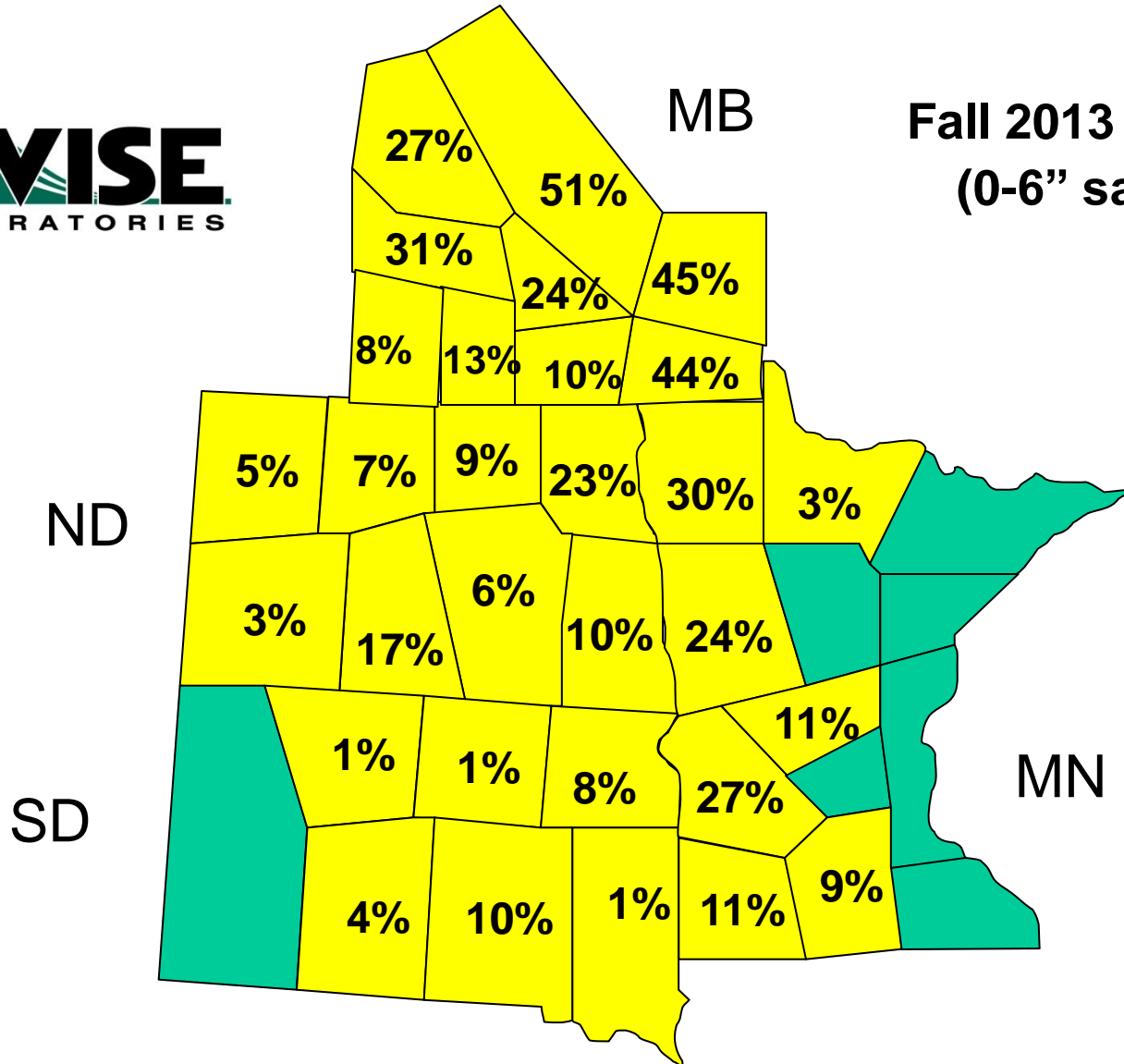
Fall 2013 samples
(0-6" samples)



% Soil Samples with Carbonate greater than 5.0%



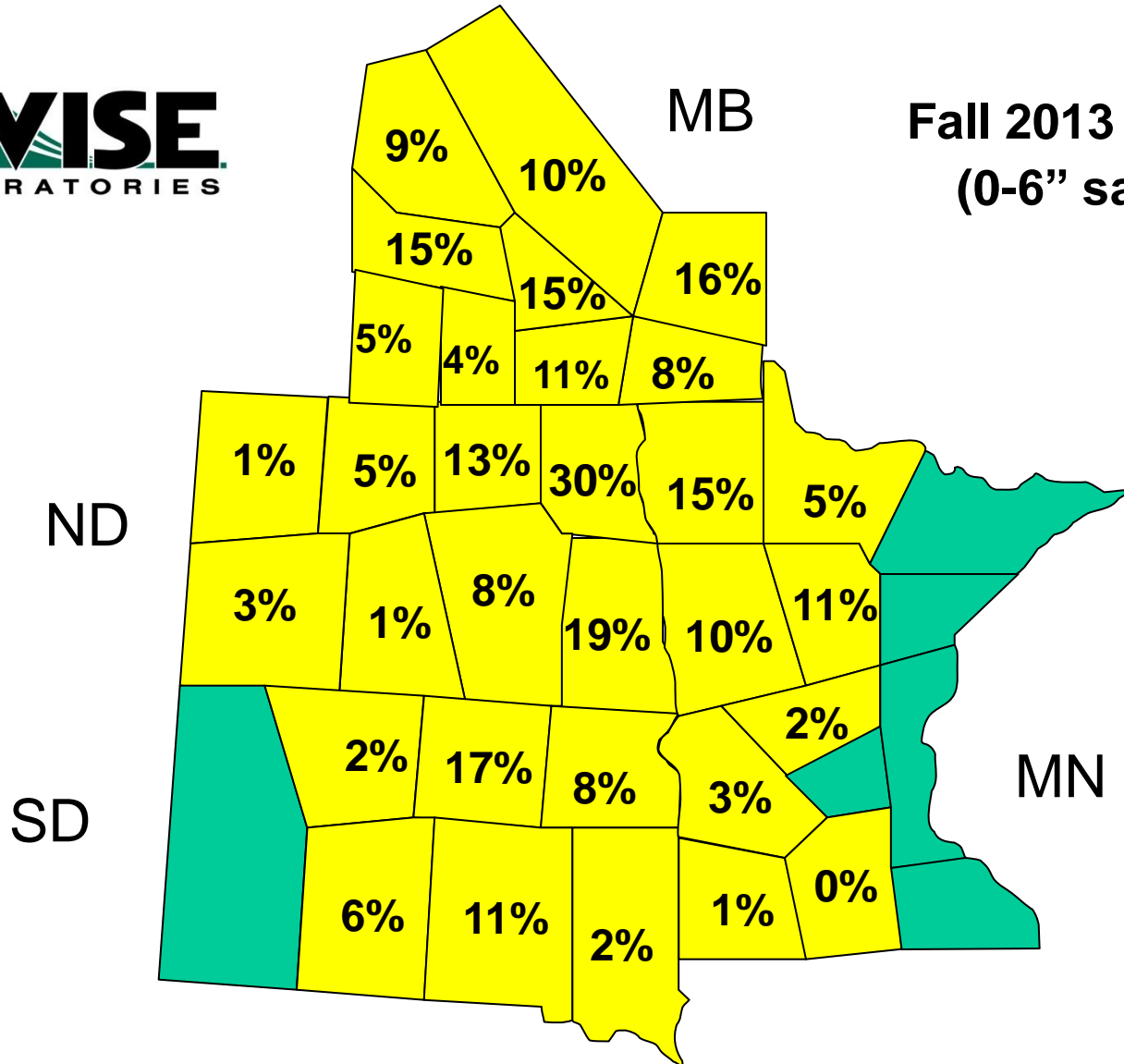
Fall 2013 samples
(0-6" samples)



% Soil Samples with Salts greater than 1.0

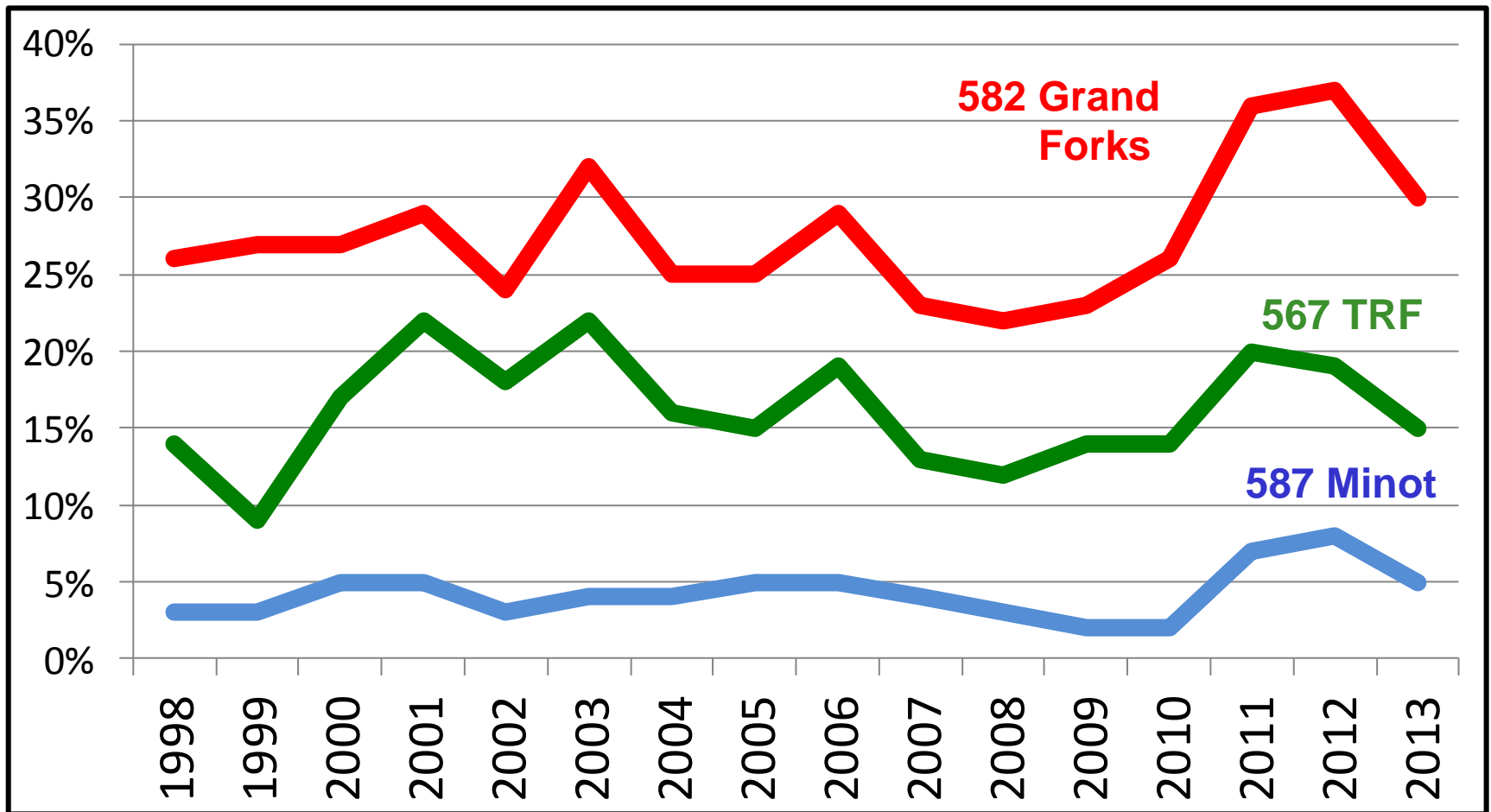


Fall 2013 Samples
(0-6" samples)



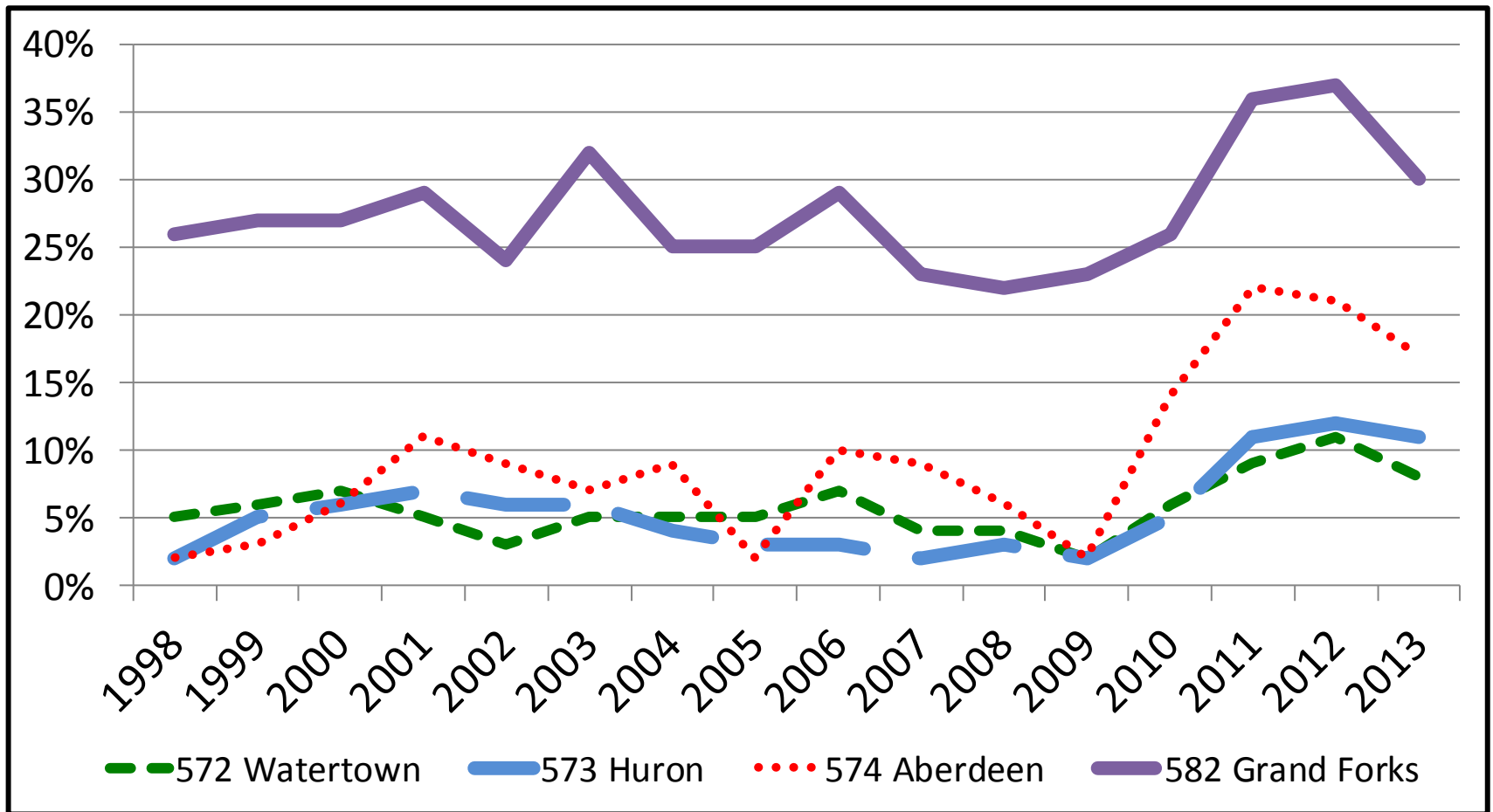
North Dakota & NW Minnesota

% Samples Testing with Salts greater than 1.0



1:1 salt method – expressed as mmhos/cm

South Dakota - % Samples Testing with Salts greater than 1.0



1:1 salt method – expressed as mmhos/cm

Zip Code Areas For Soil Test Summaries

