



Begin with a soil sample for efficiency and profitability.

You understand that field variability exists and a great start to examine that variability starts with a grid soil sample. Without completely understanding the nutrient variability within your fields, it is impossible to maximize the productivity of every acre. Even within each soil type, nutrient levels frequently vary.

A fundamental piece of precision ag uses a grid soil sample to help address field issues and develop variable rate application of nutrients. This will identify where you need more or less fertility in the field, or perhaps no fertility at all. Your grid sample analysis, combined with the variable rate applications, places nutrients and lime in the right place to maximize profitability and efficiency.

Contact your advisor now to schedule your fields for grid soil samples!

The cost of grid sampling over the 4 year life span of the sample represents **less than 1/3 of 1%** of the total input costs of a typical, individual field enterprise.

VR Makes Sense Agronomically and Financially

CEC

Flat Rate Lime

$$2.0 \frac{\text{tons AgLime}}{\text{ac}} \times 20 \frac{\$}{\text{ton}} = \boxed{\$40/\text{ac}}$$

OM

pH

Variable Rate Lime

If Buffer pH < 5.8 apply 4.3 tons/ac
 If 5.8 ≤ Buffer pH < 5.9 apply 3.95 tons/ac
 If 5.9 ≤ Buffer pH < 6.0 apply 3.55 tons/ac
 If 6.0 ≤ Buffer pH < 6.1 apply 3.2 tons/ac
 If 6.1 ≤ Buffer pH < 6.2 apply 2.85 tons/ac
 If 6.2 ≤ Buffer pH < 6.3 apply 2.5 tons/ac
 If 6.3 ≤ Buffer pH < 6.4 apply 2.1 tons/ac
 If 6.4 ≤ Buffer pH < 6.5 apply 1.75 tons/ac
 If 6.5 ≤ Buffer pH < 6.6 apply 1.4 tons/ac
 If 6.6 ≤ Buffer pH < 6.7 apply 1.05 tons/ac
 If 6.7 ≤ Buffer pH < 6.8 apply 0.65 tons/ac
 If Buffer pH < 6.8 do not apply lime

Flat Rate



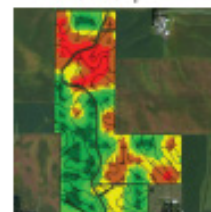
P

K

Zn

\$4.22/ac

Buffer pH



VR Rec

