

3rd Annual
Midwest Soil Improvement Symposium:
2013

Research and Practical Insights into Using Gypsum

March 7, 2013

Observations in Advising Growers in Using Gypsum

Moderated by:

John Volk

John Volk Associates, Chicago, IL



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Clint Nester
Nester Ag, Bryan, OH

Video featuring Joe Nester



GYPSUM:

A Tool for Soil Quality

- Environmental Stewardship
- Profitable Agriculture



www.nesterag.com

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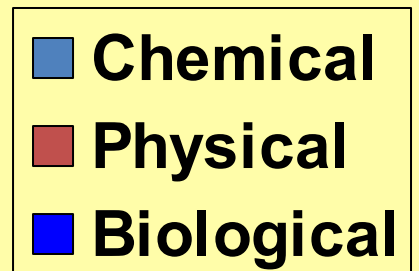
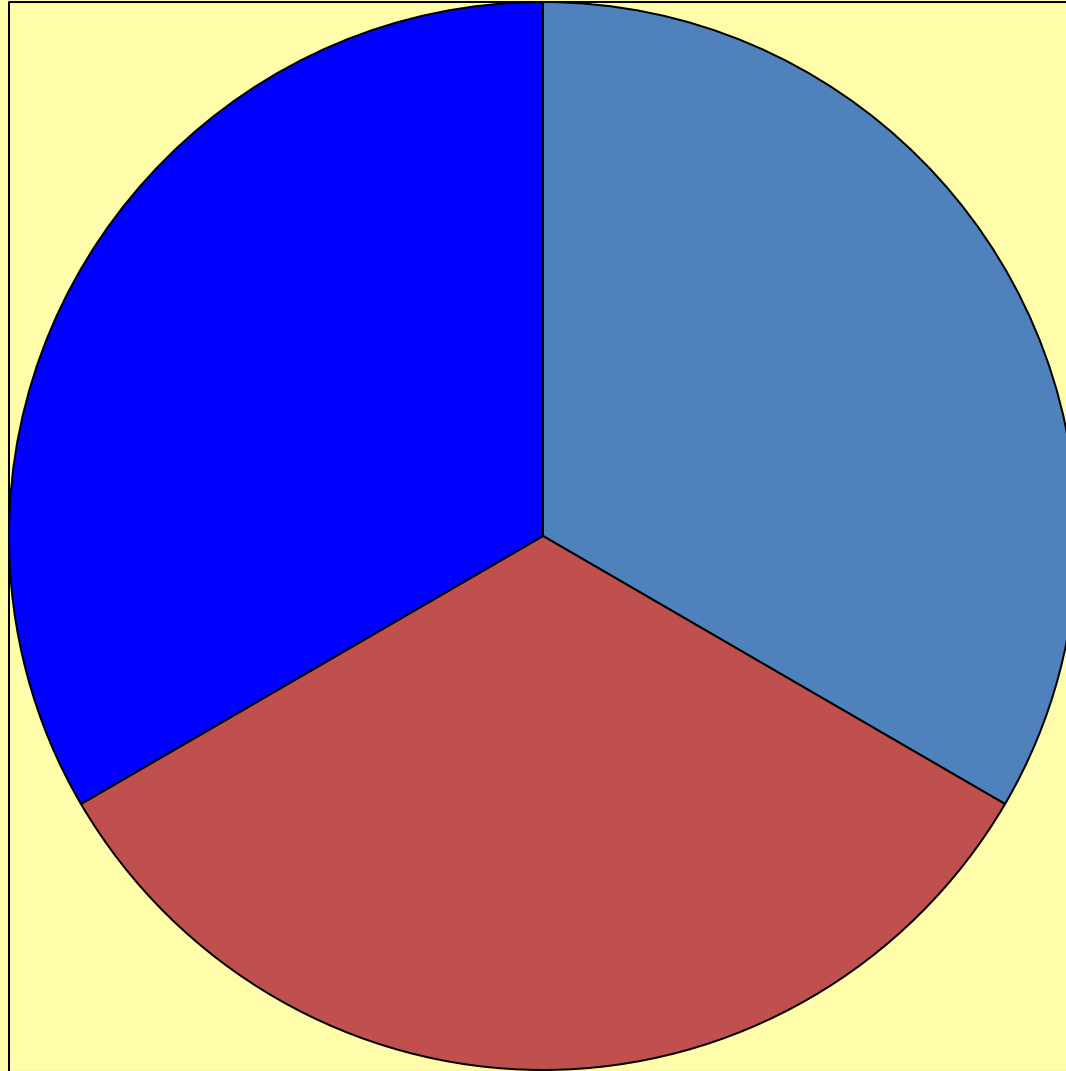
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Water Infiltration is the Key:
Different Particle Size and
Different Reaction With Clay

O Ca^{++} Flocculates

o Mg^{++} Peptizes



Facts

- Soil Water and Air Have more Effect on Yield than Nutrient Levels
- The Grower that can Manage Soil Structure and Health, in Concert with Nutrients, Wins
- **IT'S ABOUT MINIMIZING STRESS**

Nutrient Management

- A Soil with Good Structure, Ample Microbial Life, and a Decent Water Infiltration Rate Needs Less Nutrients on Paper
- The Key is:
- **RECOVERABILITY!**

3 years no-till, 3 years cover crops

Well-balanced Ca/ Mg





2010/03/05



2010/08/05



2010/08/05

18 years no-till, no cover crop, high Mg
















Samples Taken 12/20/12





Two white plastic bottles with screw caps are shown side-by-side. The bottle on the left is labeled '21' and the one on the right is labeled '22'. Both bottles contain a clear, colorless liquid. The background is a light-colored, textured surface.

21

22





02/27/2013

There is No Single Solution

- Water/ Air Movement
- No-till/ Con-till
- Cover Crops
- VRT Lime
- VRT Fertilizer

There is No Single Solution

- Representative Soil Tests
- Source/ Rate/ Timing/ Placement
- Controlled Traffic
- Adaptive Management

Questions ?

Clint Nester

clintnester@nesterag.com

- **Environmental Stewardship**
- **Profitable Agriculture**



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