



# VERDE-CAL<sup>®</sup> PRODUCTS *Time!*



## Why are Verde-Cal Products important now?

- Organic complexing agent enhances solubility and availability of nutrients
- Lower product rates with optimum soil health
- Ideal applications during aerification
- Helps promote healing of stressed turf
- Helps loosen compacted soils
- Promotes rooting



Organic Complexing Technology



AQUA AID SOLUTIONS



@Solutions4Turf

INNOVATIVE TECHNOLOGIES  
CUSTOMIZED SOLUTIONS



AQUA-AID Solutions • 5484 S. Old Carriage Road, Rocky Mount, NC 27803 • 800.394.1551



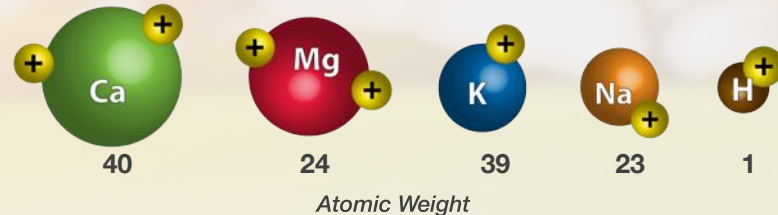


## Balancing Soil is More Than pH!

A building block for healthy turfgrass is to have a balanced soil. Many factors go into what a healthy soil looks like. Most turf managers look at only Base Saturation and the 5 Cations. Everyone needs to remember how water quality effects the plant available nutrients. Paste extracts are an important test to determine how the plant available nutrients are negatively influenced by poor irrigation water quality. In doing a saturated paste extract test it is important to use your irrigation water instead of distilled water in order to get an accurate picture of your overall soil health.

### Cation Comparison

#### Basic Cations

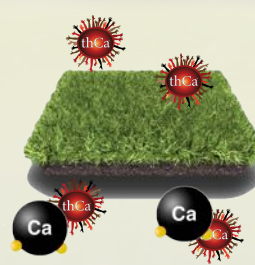


The soil colloid has degrees of affinity for various basic cations. This bonding increases with larger atomic weight, ion size and amount of charge.

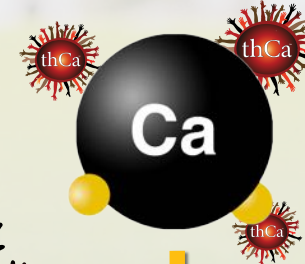
The percentage saturation for each of the cations will usually be within the following ranges for optimum performance:

Calcium (Ca)	65 - 70%
Magnesium (Mg)	10 - 18%
Potassium (K)	3 - 6%
Sodium (Na)	1 - 2%
Hydrogen (H)	10 - 15%

When a **Verde-Cal Product** is applied and put into solution, the **thCa** looks to immediately sequester Calcium in the soil.



Once **thCa** has sequestered a Calcium molecule, it oxidizes the molecule to make it available to the plant or soil solution.



**thCa**<sup>TM</sup>  
Organic Complexing Technology

**VERDE-CAL**<sup>®</sup>

Enhanced Calcitic Limestone 37% Calcium (Ca)

#### Use when you need to:

- Raise pH and increase available Calcium

#### Key product highlights:

- Calcium source -  $\text{CaCO}_3$
- Requires 1/4 the rate of standard lime applications
- Reduces hydrogen, sodium, and chlorine in plant and soil
- Contains Aqua-Aid<sup>®</sup> Penetrant providing uniform movement into entire soil profile

Greens Grade (SGN 90) Coarse Grade (210)  
Available in Bags and Bulk Sacks

#### BENEFITS

- Allows for applications of 1/4 the rate of traditional Gypsum or Limestone products.
- Makes Calcium available NOW, not 2 to 3 years from now.
- Goes into the soil sequestering unavailable Calcium making it available to plant and soil solution.

**VERDE-CAL**<sup>®</sup> **G**

Enhanced Gypsum 22% Calcium (Ca) 19% Sulfur (S)

#### Use when you need to:

- Increase available Calcium WITHOUT raising pH
- Leach excess Sodium and Magnesium

#### Key product highlights:

- Calcium source -  $\text{CaSO}_4$
- Requires 1/4 the rate of standard gypsum applications
- Supplies plant available Sulfur -  $\text{SO}_4$
- Contains Aqua-Aid<sup>®</sup> Penetrant providing uniform movement into entire soil profile

Greens Grade (SGN 85) Coarse Grade (185)  
Available in Bags and Bulk Sacks