



SUREWAY

MICROCAL

ULTRAFINE GRANULATED FORM OF CALCIUM CARBONATE LIMESTONE

When it comes to increasing soil pH, the micronization of the lime in MicroCal makes it more effective, whilst the granulation makes it more efficient to apply resulting in a rapid and sustained pH correction.



ADVANTAGES OF MICROCAL

Efficient Liming Material

MicroCal is an efficient liming material that has the potential to raise soil pH with the smallest applied product possible.

Particle Size

Particle size increases the rate of reaction.

Calcium Carbonate Equivalent (CCE)

The high CCE has a positive impact on the effectiveness of MicroCal.

Rapid & effective pH correction

Soil Health

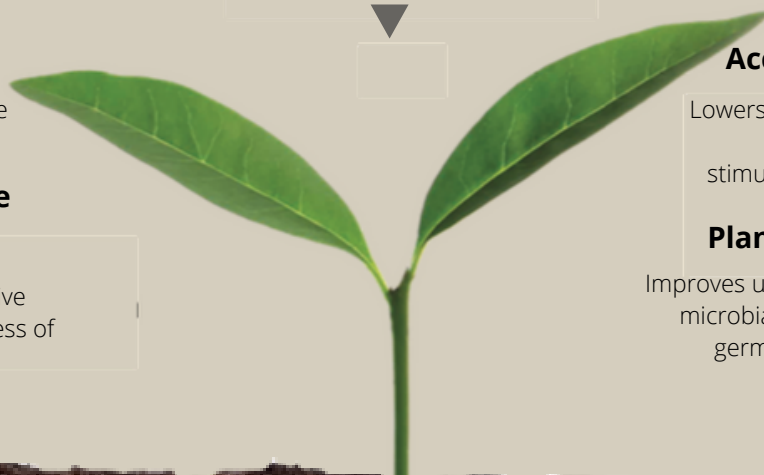
Increases air and water penetration, supporting the mineralization of organic matter.

Accurate Application

Lowers traffic over soil reducing compaction of the soil stimulating root development.

Plant health improves

Improves uptake of major nutrients, microbial biomass, growth, seed germination and emergence.



MYTH BUSTERS

Myth #1: MicroCal is just a quick fix

MicroCal is not a quick fix, rather using microCal results in a rapid and sustained pH correction over alternative powdered calcitic and dolomitic limes.

Myth #2: All granulated lime is the same

Granulated limes vary in raw material and manufacturing quality. MicroCal is made from the highest quality calcium carbonate limestone and is ground to an ultra-fine powder before being granulated, thus maximizing its reactivity.

Myth #3: Powdered lime will work better long-term

Powdered limes take two years to correct soil pH. While soil pH slowly returns to optimal levels in the first one or two years, yield suffers. After the third year, soil pH drops below optimal levels and yield suffers again. This pH roller coaster is not a long-term solution. In order to maximize yield potential every year, soil pH should be maintained at a consistent level.

Myth #4: MicroCal is expensive

MicroCal in comparison to powdered lime, on a per ton basis, looks expensive. But this is a misconception. A better cost comparison is to evaluate pH correction on a per hectare basis and in a variable rate application scenario. MicroCal's application rate for correcting soil pH is considerably lower than powdered lime, therefore, reducing the per hectare application cost.

INDICATIVE MICROCAL (KG/HA) REQUIREMENT BASED ON CLAY % AND PH (CaCl)						
Clay %	pH (CaCl)					
	4.2 – 4.3	4.4 – 4.5	4.6 – 4.7	4.8 – 4.9	5.0 – 5.1	5.2 – 5.3
0 – 6	400	260	200	130	70	30
7 – 15	530	330	260	200	130	70
16 – 36	660	400	330	260	200	130

It is recommended to not apply more than 350kg/ha of MicroCal in one application. Please contact your agronomist for specific application rates.

SOIL ACIDITY	FERTILIZER WASTED
4.5 pH	71%
5.0 pH	54%
5.5 pH	33%
6.0 pH	20%
6.5 pH	0%

Figure 1.

Figure 1 shows how soil acidity affects the efficiency of fertilizer applied. If the pH of soil is too low, up to 71% of the fertilizer that is applied is wasted. Therefore, where efficient and effective pH adjustment is required, one can use MicroCal to prevent fertilizer wastage and maintain soil pH.



Figure 2.

Magnified image of MicroCal granules.

Sales and Marketing

Location