



FERTILIZERS



AquaLIME™

FLUID SUSPENDED CALCIUM



AMENDS
SOIL ACIDITY



SUPPLIES
CALCIUM



IMPROVES
SOIL STRUCTURE



STIMULATES
SOIL BIOLOGY

BETTER SOIL • STRONGER CROPS • SUSTAINABLE FUTURE

***Advanced liquid lime delivering
efficiency, stability, and simplicity.***

Product Code: SG0037

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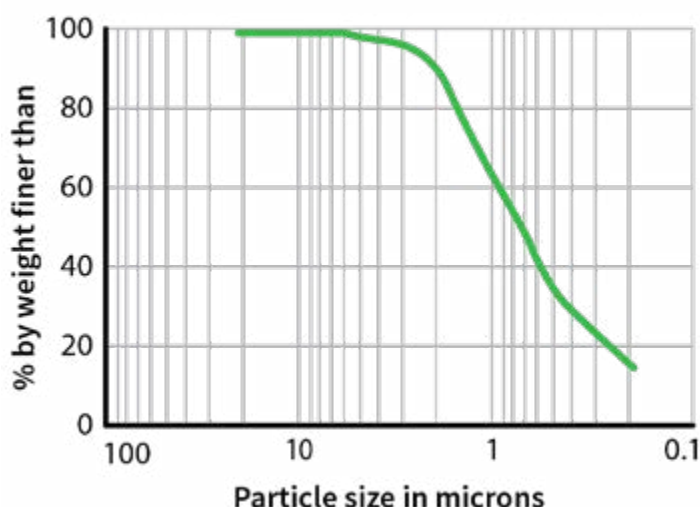
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AquaLIME™ (Flowable Lime)

AquaLIME™ is a highly flowable calcium carbonate suspension designed to deliver high purity, micronised particles to the soil to raise pH and improve soil structure. Through foliar application, it provides an extremely efficient source of calcium to crops.

AquaLIME™ is an extremely concentrated and reactive form of calcium carbonate (or “lime”). The product’s extreme fineness delivers an impressive surface area of 13 m²/g, significantly enhancing its reactivity within the soil compared to all other forms of calcium carbonate.

Particle Size Distribution



Chemical Analysis

Calcium (Ca):..... 38.0% w/v
Carbonate (CO₃):..... 57.7% w/v
Carbon (C):..... 11.6 % w/v
pH: 9.0–10.0
Specific Gravity: 1.601 kg/L
Neutralising Value: 99

AquaLIME™ has a superior neutralising value (NV) of 99 (pure calcium carbonate at NV 100 is the benchmark) compared to other fluid lime sources on the Australian market. However, this is only part of the story - because of the fineness of AquaLIME™, its effective neutralising value is considered to be 99 because every particle is 100% reactive in the soil.

Why Use AquaLIME™?

- Highly uniform - extremely fine particle size (1–10 microns).
- Highly reactive - high purity calcium carbonate.
- Neutralising Value of 99.
- Flowable for easy pumping.
- Can be applied to soil as a broadcast or banded application or via irrigation systems.
- Can be applied to crops as a foliar calcium treatment

Using a Bunnings pH Test Kit the soil acidity under each drip emitter can easily be detected. Soils underneath drip emitters often rapidly acidify due to crop root system nutrient extraction and soil nitrification processes.

Application Rates (Soil)

Soil Type/Textural Class	L per ha AquaLIME™ (per 0.1 pH improvement)
Sands / Loamy Sands	30 - 40
Sandy / Silty Loams	50 - 70
Sandy Clay Loams	70 - 85
Light to Medium Clays	85 - 90
Heavy Clays	90 +

AquaLIME™ has the majority of its particles size smaller than <5 Micron. This means it reacts and goes to work extremely fast in the drip zone, quickly raising the soil pH. As AquaLIME™ dissolves it releasing calcium to improve crop and soil health. When fertigated, wherever the irrigation water flows through the soil, the lime is carried, enabling deeper penetration of lime throughout the wetted zone of the soil profile.

Nutrient Efficiency versus Soil pH

Element	pH 4.5	pH 5.0	pH 5.5	pH 6.0	pH 6.5
Nitrogen (N)	30%	43%	77%	89%	100%
Phosphorus (P)	23%	31%	48%	52%	100%
Potassium (K)	33%	52%	77%	100%	100%





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***Please contact SLTEC® for
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