

AquaLIME 38™ (Flowable Lime)

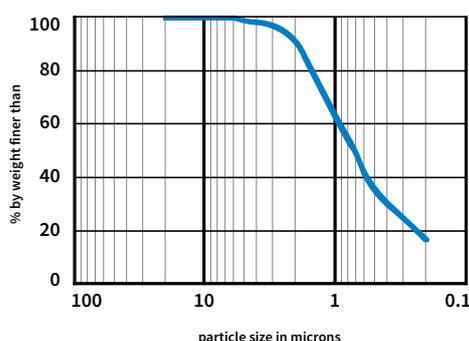
Product Code: SG0037



AquaLIME 38™ 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 38™ 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



AquaLIME 38™ 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 38, its effective neutralising value is considered to be 99 because every particle is 100% reactive in the soil.

Why Use AquaLIME 38™?

- Highly uniform - extremely fine particle size (1 micron)
- 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



“The high-grade material in AquaLIME 38™ means responses are extremely fast in the drip zone – in Thailand on red tropical soil, for example, the pH increased from 4.6 to 5.7 in three weeks after an application of 32 L/ha!”

Chemical Analysis;

Calcium (Ca):	38% w/v
Carbonate (CO ₃):	57.7% w/v
Carbon (C):	11.6 % w/v
pH:	9 - 10
Specific Gravity:	1.60 kg/L
Neutralising Value:	99

Application Rates (Soil)

Soil Type/Textural Class	L per ha AquaLIME 38™ (per 0.1 pH improvement)	L per ha water (per 0.1 pH improvement)	mL/m ² AquaLIME 38™ (per 0.1 pH improvement)	mL/m ² per ha water (per 0.1 pH improvement)
Sands / Loamy Sands	30 - 40	50	3 - 4	5
Sandy / Silty Loams	50 - 70	50	5 - 7	5
Sandy Clay Loams	70 - 85	50	7 - 8.5	5
Light to Medium Clays	85 - 90	50	8.5 - 9	5
Heavy Clays	90 +	50	9 +	5

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%

