

AquaLIME 38™ (Flowable Lime)

Product Code: SG0037



Liquid Lime 38™ is a highly flowable calcium carbonate suspension designed to deliver high purity, micronized particles to the soil to raise pH and improve soil structure. Through foliar application it provides an extremely efficient source of calcium to crops.

Liquid Lime 38™ utilizes a highly advanced industrial process to hold the micronized particles in suspension, thereby improving the dispersion of the product when applied to the soil or foliage.

Liquid Lime 38™ is an extremely concentrated and reactive form of calcium carbonate (or “lime”). It is produced by a specialised milling process where the high purity raw material is ground to 1 micron in size. The product’s extreme fineness delivers an impressive surface area of 13 square metres per gram, significantly enhancing its reactivity within the soil compared to all other forms of calcium carbonate.

Liquid Lime 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. This is only part of the story however - because of the fineness of the Liquid Lime 38™, its Effective Neutralising Value is considered to be 99, because every particle is 100% reactive in the soil.

Also, it is far more effective in higher pH soils. A coarse aglime will struggle to lift soil pH above 6 because the logarithmic response of the pH scale means the soil environment isn’t acidic enough to react and dissolve coarser lime particles. Liquid Lime 38™ can further assist in pH adjustment.



“The high-grade material in Liquid Lime 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 litres/ha!”

Why Use Liquid Lime 38™?

- Highly uniform, extremely fine particle size (1 micron)
- Highly reactive, high purity calcium carbonate
- Neutralizing 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

Guaranteed Analysis

Calcium (Ca)	38.0%
Carbonate (CO ₃)	57.7%
Carbon (C)	11.6%
pH	9.0 - 10.0
Specific Gravity	1.60 kg/L
Neutralising Value	99

Application Rates (Soil)

Soil Type/Textural Class	L per ha Liquid Lime 38™ (per 0.1 pH improvement)
Sands / Loamy Sands	30 - 40
Sandy / Silty Loams	50 - 70
Sandy Clay Loams	70 - 85
Light to Medium Clays	95 - 90
Heavy Clays	90 +

Application Rates (Foliar)

Foliar Applications						
Crop Type	Growth Stage					
Apples	Pink Bud	Flowering	Fruit Set	Fruit Development	Ripening	Total
	5 - 10 L/ha with >1500 L/ha Water	No application during this period	5 - 10 L/ha with >1500 L/ha Water	5 - 10 L/ha with >1500 L/ha Water	5 - 10 L/ha with >1500 L/ha Water	25 - 50 L/ha
Cherry	Pre-Flowering	Fruit Development	Ripening	Post Harvest		Total
	5 - 10 L/ha with >1500 L/ha Water	5 - 10 L/ha with >1500 L/ha Water	5 - 10 L/ha with >1500 L/ha Water	5 - 10 L/ha with >1500 L/ha Water		20 - 40 L/ha

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%