



Knowledge grows



# YaraLiva<sup>®</sup> CALCINIT<sup>™</sup>

## Greenhouse/Solution Grade

Soluble Grade Calcium Nitrate			
Total Nitrogen (N)	15.5%	Solubility (20° C)	1200 g/l water
Nitrate N (NO <sub>3</sub> )	14.5%	EC (1 g/l at 25° C)	1.2 mS/cm
Ammoniacal N (NH <sub>4</sub> )	1.0% (1.5% max)	pH (10% solution)	6.0
Soluble Calcium (Ca)	19.0%	Color	White
Water Insolubles	0.05%	Bulk Density	68 lb/ft <sup>3</sup> +5% Loose

### Nitrate Nitrogen

Directly available for plant uptake, nitrate nitrogen results in fast and predictable growth responses. It's non-volatile nor absorbed to soil particles, leaving it readily available to plants. This is the preferred nitrogen source for most horticultural and high value agricultural crops, and improves plant uptake of the cations potassium, calcium and magnesium.

### Calcium

Calcium improves cell wall strength leading to a better quality, shelf life and increasing marketable crop yields. Improved cell wall strength also helps plants tolerate disease. Calcium helps to maintain an optimum root environment for high yielding crops, and improves tolerance to heat stress.

### Compatibility

YaraLiva CALCINIT, derived from Ammonium Calcium Nitrate Double Salt, can be mixed with all water soluble fertilizers, except stock solutions containing either phosphate or sulphate.

### Screen Analysis

Granular		Prilled		
2.0 - 4.0 mm	= 90%	+2.0 mm	= 17%	(max)
<2.0 mm	= 10%	-2+1 mm	= 78%	(min)
		-1.0 mm	= 5%	(max)

### Calcium Deficiency

Blossom end rot in tomatoes, tip burn in lettuce and internal rust spot in potatoes are some of the most commonly seen symptoms of calcium deficiency. Calcium uptake takes place passively through the transpiration stream, and it is essential that a fully water soluble supply of calcium is available in the rootzone when plants need it most.



### Benefits

- YaraLiva CALCINIT is a fully water soluble nitrogen and calcium fertilizer. It is a free flowing, fine granular or prilled material which dissolves quickly in water without any residues.
- YaraLiva CALCINIT is suited to application through all fertigation systems.
- YaraLiva CALCINIT is not an oxidizer, 49 CFR 172.102 special provision 34 specifically removes hydrated Ammonium Calcium Nitrate Double Salt from the DOT hazardous materials list 49 CFR 172.101.

The information provided is accurate to the best of Yara's knowledge and belief. Any recommendations are meant as a guide and must be adapted to suit local conditions.

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