

# COMMERCIAL **CALCIUM NITRATE** 17-0-0

## **GUARANTEED ANALYSIS**

TOTAL NITROGEN (N) .....17.0%

17% NITRATE NITROGEN

CALCIUM (Ca) .....23.5%

DERIVED FROM: CALCIUM NITRATE

**VPS Commercial Calcium Nitrate** offers an unmatched 23% calcium content, higher than other products. It provides vital calcium for robust cell wall construction and nitrates for amino acid and protein synthesis essential for plant growth. With high purity and solubility, it dissolves completely, avoiding residue in stock tanks. It features a superior calcium-to-nitrogen ratio, enhancing nutrient delivery and reducing costs. The small amount of ammoniacal nitrogen helps in Phosphorus utilization and rootzone health. Flexible in application, VPS Calcium Nitrate ensures consistent calcium delivery throughout a crop's lifecycle without excess nitrates and suits various water temperatures. This makes it an excellent economical choice for growers, promoting plant health and fungal resistance while reducing nutrient costs without negative ionic interactions.

Information regarding the contents and levels of metals in this product is available on the Internet at

<http://www.aapfco.org/metals.html>

## **NET WEIGHT:**

5.0 LBS (2.27 KG)

# COMMERCIAL CALCIUM NITRATE



## Stock Solution Guide & Feed Rates:

1. VPS Commercial Calcium Nitrate stocking rate is  
2 lb : 1 Gal Water
2. Fill stock solution vessel with water
3. Weigh out VPS Calcium Nitrate for Stock
4. Slowly add in fertilizer while agitating Stock Tank
6. Ensure all Calcium Nitrate is dissolved and check pH reading, solution pH should be 5.3-6.2
7. Stock Solutions should be made to replace every 5-9 days

### Stock Solution Rates

Stock Water (gal)	Calcium Nitrate (lb)
1	2
5	10
10	20
25	50
50	100

Rates are in gm or mL per Gallon. If using stock solutions use mL if hand batching use gm.	Vegetative Phase			Flower Phase		
	Rooting Clones	Week 1	Weeks 2-3+	Weeks 1-3	Weeks 4-6	Weeks 7+
VPS Commercial Silicon	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL
VPS Commercial Bloom (2-26-41)	1.5g - 12 mL	2.0g - 16 mL	2.5g - 21mL	3.3g - 27mL	3.3g - 27mL	3.5g - 29mL
VPS Calcium Nitrate	2.0g - 8 mL	3.0g - 12mL	3.5g - 14mL	4.0g - 17mL	3.3g - 15mL	2.75g - 12mL
VPS Magnesium Sulfate	1.5g - 6 mL	2.0g - 10 mL	2.5g - 10mL	2.5g - 11mL	2.5g - 11mL	3.3g - 13 mL
Est. Expected EC	1.3	1.8	2.2	2.5	2.4	2.4
Recommended pH Range	5.7 - 6.2 pH					

Hand Batching Use Rates	Vegetative Phase			Flowering Phase		
	Rooting Clones	Week 1	Weeks 2-3+	Weeks 1-3	Weeks 4-6	Weeks 7+
VPS Commercial Silicon	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL
VPS Commercial Bloom (2-26-41)	1.5 g	2 g	2.5 g	3.3 g	3.3 g	3.5 g
VPS Calcium Nitrate	2.0 g	3 g	3.5	4.0 g	3.3 g	2.75 g
VPS Magnesium Sulfate	1.5 g	2 g	2.5 g	2.5 g	2.5 g	3.3 g
Est. Expected EC	1.3	1.8	2.2	2.5	2.4	2.4
Recommended pH Range	5.7 - 6.2 pH					



For Maximum solubility, maintain a pH of 5.6-6.4 in batch solutions during mixing; add VPS pH down after VPS Commercial 2-26-41 to maintain pH in range. EC/PPM Data are estimates, ranges  $\pm 0.3$  EC are acceptable. Rates are per gallon of water and based on optimized growth conditions in inert media (Stonewool/Coco Coir). Fertilizer rates may be adjusted to suit crop and/or environmental conditions.

THIS PRODUCT IS INTENDED AS A SUPPLEMENT TO A REGULAR FERTILIZATION PROGRAM AND MAY NOT BY ITSELF PROVIDE ALL THE NUTRIENTS NORMALLY REQUIRED BY CROPS OR OTHER INTENDED PLANTS.



**GUARANTEED BY:**  
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