

MICRONA™
Prill-Gypsum



MICRONA™ Prill Gypsum

Excellent Source of Calcium and Sulfur - Soil Structure Improvement

MICRONA™ Prill Gypsum, the high quality you expect, providing the results you need:

- Adds Calcium
- Will not change pH
- Provides Plant Food Sulfur
- Improves soil structure
- Supplies Calcium for acid loving crops
- Leaches out harmful Sodium
- Improves water infiltration

MICRONA™ Prill Gypsum is a durable, round granule made from a superior quality Calcium Sulfate Dihydrate, a naturally occurring mineral. The dihydrate form of gypsum will dissolve into solution rapidly.

MICRONA™ Prill Gypsum adds calcium without changing soil pH, and provides necessary nutrients, sulfur and calcium. MICRONA's solubility quickly moves these nutrients through the soil profile and into root zone. Calcium provides many plant essential functions, including cell wall strength, cell membrane function, and disease resistance. Sulfur, in the proper sulfate form, will aid the plant in chlorophyll and protein production and synthesis of certain plant hormones. Sulfur also increases a plant's efficient use of nitrogen.

The application of **MICRONA™ Prill Gypsum**, a soluble calcium source, improves soil structure through soil flocculation which prevents crusting. High Mg or Na soils become hard and difficult to work. Water infiltration and nutrient mobility can be significantly reduced in high magnesium or sodic soil. Soluble calcium, applied at

agronomically appropriate rates, stabilizes soil structure through flocculation which increases water and air infiltration and water percolation.

MICRONA™ Prill Gypsum has the ability to reduce aluminum toxicity. Aluminum toxicity inhibits deep rooting and limits the uptake of water and nutrients. Application of gypsum can correct aluminum levels through cationic exchange of Ca for Al. The sulfate supplied by the gypsum reacts with aluminum allowing it to be leached out of the soil with irrigation.

MICRONA™ Prill Gypsum supplies calcium for crops grown in acidic soil. Potatoes, blueberries and commercial Christmas trees will benefit from gypsum application, as well as ornamentals that require a lower pH.

MICRONA™ Prill Gypsum can be applied for remediation of sodic soils. Soil should be analyzed prior to application to determine soluble salts and sodium levels. In order to move the sodium below the root zone, soil must be irrigated following gypsum application.

- Apply directly to the soil or into the seed furrow.
- Perfect for targeted application.
- Dependable in variable rate system.
- Easily blended to customize.

Please consult your soil analysis prior to application of soil amendments or fertilizers for additional nutrient management.



MICRONA™ Prill - Gypsum Analysis

Calcium Sulfate Dihydrate ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$)	92%
Calcium	21%
Sulfur	17%

Derived from natural Gypsum.

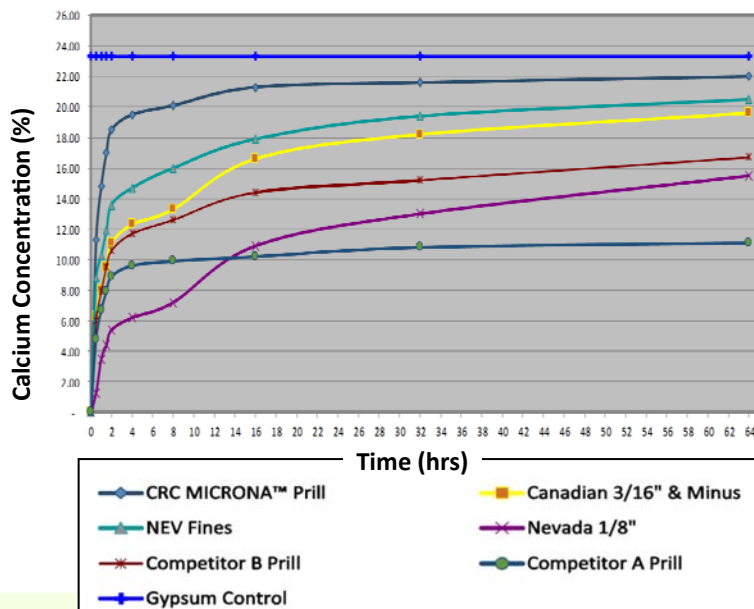
MICRONA™ Prill Gypsum can be applied easily any time of the year. The consistent size of the prill allows for convenient blending and even coverage. Follow soil test recommendations for best results.

Microna Prill™ Gypsum Application Rates for Sodium Reduction*

Sand	Silt	Loam	Clay
375	725	1100	1800

* For a 5 % decrease in Sodium (lbs/acre broadcast)

Plant Extractable Calcium/Time



% Calcium Concentration (As Received Basis)

	CRC	CAN	NEV Fines	NEV 1/8	B Prill	A Prill	GYP
HRS							
0	0.0	0.0	0.0	0.0	0.0	0.0	23.3
0.5	11.3	6.3	8.8	1.3	6.0	4.8	23.3
1	14.8	8.0	10.3	3.5	7.9	6.7	23.3
1.5	17.0	9.5	11.9	4.4	9.5	7.9	23.3
2	18.5	11.1	13.6	5.4	10.6	8.9	23.3
4	19.5	12.3	14.7	6.2	11.7	9.6	23.3
8	20.1	13.3	16.0	7.2	12.6	9.9	23.3
16	21.3	16.6	17.9	10.9	14.4	10.2	23.3
32	21.6	18.2	19.4	13.0	15.2	10.8	23.3
64	22.0	19.6	20.5	15.5	16.7	11.1	23.3
210	22.2	20.9	20.6	17.9	17.7	11.4	23.3

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