



Organic Gypsum—Residential

# Premium Prill™

Prilled Calcium Sulfate Dihydrate

*Premium Prill from Diamond K Gypsum is produced with the purest and most soluble calcium sulfate dihydrate gypsum available. Diamond K's organic gypsum has been the market leader to condition soils and water in the West for 30+ years.*

*Now formulated for residential lawns and gardens, Premium Prill helps homeowners reduce the toxic effects of salt on their lawns and gardens. It also helps save water and cut water bills.*

*The organic gypsum contained in Premium Prill improves soil structure. It enables the soil to absorb more water faster with virtually no runoff. Premium Prill allows water to penetrate more deeply and widely in the soil, which protects lawns and gardens during droughts and watering bans.*

#### CONTACT INFORMATION

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**LEACHES HARMFUL SALTS:** Calcium in Premium Prill displaces salts that are attached to clay particles in the soil. It also promotes aggregation of the clay particles which improves water infiltration and permeability.



**INCREASES WATER INFILTRATION:** Loosens dense and compacted soils to increase water and air penetration. By creating more porous soil, Premium Prill increases the rate at which water soaks into the soil. This greatly reduces runoff and pooling.



**REDUCES SOIL CRUSTING:** Prevents the formation of hard surface crusts on the soil which impede water infiltration and lead to runoff. This is especially beneficial in compacted sodic soils.



**INCREASES WATER RETENTION:** By improving soil structure and water infiltration, moisture can move more freely into the soil and be stored for longer periods especially in dry conditions.



**DEEPER ROOTS:** Improved soil structure and water availability allow grass roots to grow deeper and spread out. This reduces the need for frequent watering during high temperatures, droughts and sprinkling bans.



**EASY APPLICATION:** Apply with fertilizer drop or hand spreader. Highly soluble prills ensure fast-acting calcium and sulfur uptake for grass, shrubs, trees garden plants.

For more info:



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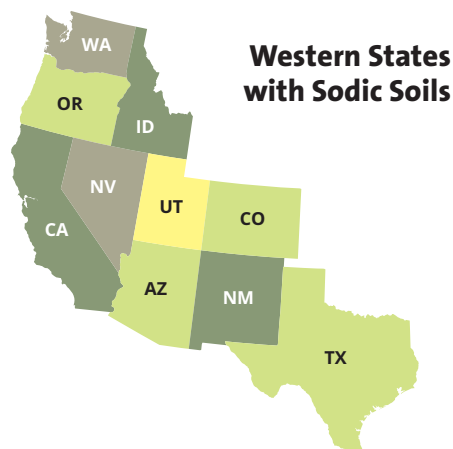
## Why is Lawn Gypsum Important?

According to land grant universities and their extension services, gypsum can be beneficial in managing sodic soils. Lawn gypsum helps reduce compaction, improve drainage in soils where sodium (salt) has displaced essential nutrients and degraded soil structure. It also provides calcium and sulfur—essential nutrients for grass and plant growth.

## What are Sodic Soils?

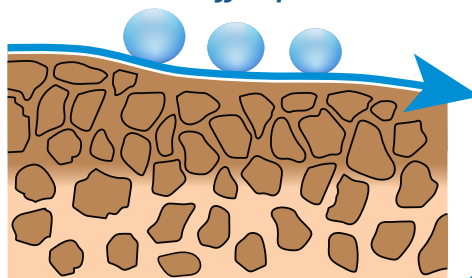
Sodic soils contain high levels of sodium (salt) which cause individual soil particles to disperse rather than stick together. That degradation leads to poor soil structure and reduced ability to absorb water. When the soils are dry, hard crusts form which prevent water absorption and infiltration. Sodic soils cause nutrient deficiencies and are often toxic to grasses, shrubs, trees and plants.

Sodic soils are most common in arid and semi-arid regions found on the West and Southwest. They often have a high pH that can exceed 8.5. The high pH and sodium content can create an alkaline environment which negatively impacts grass and plant growth.



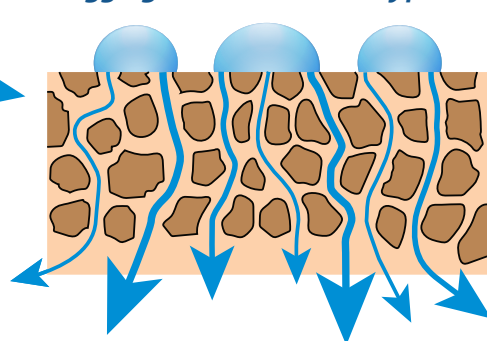
## Water Runoff on Sodic Soil

Soil crusts cause water to run off or pool



## Water Absorption with Premium Prill

Increased soil particle aggregation with Lawn Gypsum



## Why is Organic Lawn Gypsum Important?

Not all lawn gypsum is created equal. Some comes from recycled gypsum dry wall. Some is extracted from chimney flue gasses.

Premium Prill organic lawn gypsum is a naturally occurring form of gypsum called calcium dihydrate sulfate. It contains an extra water molecule that makes it more soluble and faster acting than other forms of gypsum. It is certified by organizations such as OMRI and the states of California and Washington.

## Recommended Rates:

**Initial application:** (sodic/clay soil) 40–50 lbs per 1,000 sq ft. Apply once and water in. Repeat annually if needed.

**Maintenance rate:** 20–25 lbs per 1,000 sq ft. Apply every 6–12 months in high-sodium water/soil conditions.

**Soil reclamation:** Up to 100 lbs per 1,000 sq ft. Use under professional guidance for severe sodium problems, with deep watering.

Note: Always base gypsum applications on a soil test. The Sodium Adsorption Ratio (SAR) and Electrical Conductivity (EC) from your lab results will confirm if gypsum is needed.

