




JHBiotech

Innovation for a Greener Earth

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SALT DOWN™

Salt Down is a functional plant food. It is a source of nitrogen and calcium that reduces excess sodium salt levels in the soil. **Salt Down** restores soil structure for better drainage and increased plant vigor. **Salt Down** provides plant nutrients and stimulates biological activity in the soil.

Gypsum is the standard traditional treatment for sodium salt build-up. However, gypsum does not dissolve well in water. The calcium in **Salt Down** is 100% water soluble. Soluble calcium is needed to replace the sodium ions on the clay particles in the soil. Since the calcium in gypsum must be dissolved before it can work it is not an effective additive.

For every calcium ion applied, two sodium atoms are freed from the soil to be leached out with irrigation or rain water. In order to leach the salt out of the soil, the irrigation water quality must be suitable for leaching.

Magnesium is essential to good plant growth because it controls the development and biochemistry of the chlorophyll molecule. High magnesium and low calcium levels in soils allow organic matter to decay into alcohol, which can suppress bacterial populations. Balancing magnesium and calcium levels contributes to a physically and biologically healthy soil.



ADVANTAGES OF USING SALT DOWN

- **Salt Down** replaces sodium with calcium on soil particles.
- 5-10 gallons per acre is needed to force enough sodium off the soil particles to make a difference.
- Repeat application with each irrigation to improve the soil properties.
- Improvements can be seen after the first application, in most cases.
- Low cost way to improve poor soils.
- Available in bulk packages or larger tanker truck quantities.
- Can be applied with herbicides.

Salt Down can be applied with various irrigation systems: drip, lateral move, overhead, hand lines, flood, and pivot.