



SALT REDUCTION PROGRAM



With Growth Products Salt Reduction Program

Salt Damage

Growing Tips on Salt Problems:

High salt levels in soils will limit growth of turfgrasses and cause stunting, wilt, decline and even death in urban trees and ornamentals. Poor quality water, ice melters, high salt fertilizers and pesticides all contribute to this problem. This program has been designed to correct high salts that are found in many soils referred to as salinization. Irrigation water, especially affluent (reclaimed) water can be a constant source of salts or intensified by salt laden water table. Excessive salts will cause degradation of soil and vegetation. Keep in mind that salts build up in the soil over time unless neutralized or leached out and often become visible on the surface of the soil. Products with high percentages of humic acid, active calcium and organic matter will manage salt accumulation, lower salts and improve soil structure and nutrient availability.

Plants	Product Choices	Rates	Comments
All Types of Turf Grass, including Cool, Warm Season, and Transitional	Sodium KnockOut	3 oz per 1,000 sq. ft. 6 - 8 oz per 1,000 sq. ft.	General Maintenance: Apply every 60 days during growing season. Restoration: Apply every 2 - 4 weeks. Pretreat soil before any new seeding.
	Essential Plus 1-0-1	3 - 5 oz per 1,000 sq. ft.	Storm Damage: Apply immediately after storm. Based on severity re-apply in 2 weeks. Can be applied in cold or winter months. Fertilizer / Pesticide Damage: Apply immediately after misapplication.
	Re-Store Plus 3-0-2 with 10% Humic	6 - 8 oz per 1,000 sq. ft.	Storm Damage: Apply immediately after storm. Based on severity re-apply in 2 weeks. Manage Accumulation: Apply every 2 - 4 weeks throughout the growing season depending on the salt levels and reduce salt accumulation.
	BioNutrients Soluble 8-0-9	2 - 8 oz packets (1 lb.) per 100 gal water	To restore beneficial soil bacteria. Can be tank mixed with other remediation products.
Trees (Deciduous and Evergreen)	Sodium KnockOut	1 - 2 qt per 100 gallons water	General Maintenance Root Injection: After neutralization to avoid additional salt build up when fertilizing or in high salt areas. Apply 2 - 4 times per year.
	Essential Plus 1-0-1	32 oz. per 100 gallons water	Foliar Corrective: To minimize damage from salt spray to foliage on both deciduous and evergreens spray as soon after storm as possible. Spray to run off. Repeat in 2 weeks.
		32 to 64 per 100 gallons water	Corrective Root Injection: Apply immediately after storm. Can be applied in cold weather. Apply 1/2 gal of solution per inch of DBH (For additional information see "Guide to Tree Fertilization").
BioNutrients Total-Pak Injectable	2 - 8 oz packets (1 lb.) per 100 gallons water	Root Injection: Restore beneficial soil bacteria, mycorrhizae and micronutrients.	
Ornamentals, Perennials and other Bedding Plants	Refer to above products	Refer to above rates and for more detail product catalog.	Soil Drench: Apply around all plant materials under canopy. If mulched be sure that products are applied with enough water to penetrate into root zones. Reapply monthly.