

Powered by Acti-Cell Technology® (ACT)

**Application of SOIL-PLUS® and NUTRA-PLUS®
Reduces Salt and Promotes Beautiful Growth and Blooming! (Cave Creek, Arizona) USA**

ABSTRACT

A one-year-old property needed help. (Un-named due to a confidentiality agreement.) Salts, which are native in Arizona's soil and water, often accumulate in and around the root-zone of turf, trees, shrubs, plants, and flowers. The salt can accumulate to a toxic level eventually causing death to plants. The salt component is absorbed by roots and foliage and becomes concentrated in actively growing tissue. Plants repeatedly exposed to salt over long periods of time may accumulate chloride ions to toxic levels, resulting in leaf burn and twig die-back.

Prior to Biofeed®, this entire landscape was treated with sulfuric acid for over one (1) full year and the salt accumulation persisted.

After Biofeed's consultation, this same landscape was treated every 30 days for 3 months during a trial period to determine the effect of applied Biofeed **SOIL-PLUS®** and **NUTRA-PLUS®** products to improve soil conditions and to provide nutrition with the goal of reversing the damage done by toxic salt and sulfuric acid build up.

NOTE: The same water irrigation source was, and is used for all plants, trees, and turf on property.



Evidence of Salt Accumulation Prior to Applying Biofeed® SOIL-PLUS® and NUTRA-PLUS®

BACKGROUND

Landscape managers are constantly trying to soften their soil and alleviate salt buildup to allow for improved root and plant growth. This process improves the quality of their installed landscapes by reducing plant replacement costs and increasing customer satisfaction. Finding products that improve soil microbial activity, increase organic matter, and support root structure while maintaining profitability should be the goal of every landscape manager.

TREATMENT

Biofeed **SOIL-PLUS®** and **NUTRA-PLUS®** were applied at a rate of 1 gallon and 2.5 gallons respectively, per acre every 30 days by a preinstalled fertilizer injection system. The landscape manager followed a normal watering cycle, and the results were dramatic.



ACT® is biologically generated using specific organic compounds which are transformed into unique, water-soluble amino acids, enzymes and other beneficial organic compounds through a proprietary process of biological transformation.

Innovation That GrowsSM

RESULTS



Leaf Color, Flower Bloom, Plant Growth, and Soil Health

Within 2-weeks of the feeding process, the landscape showed significant improvement. The leaves on all the plants were 75% greener. By the end of the second month the growth was consistent, and the leaves were 100% greener. By the end of the third month the plants were facing full Arizona heat with the afternoon temperatures nearing 110° to 115° and while they were slightly declining, the growth was substantially greater. The new growth was evident, and the flowers were in full bloom!

SUMMARY

The reduction of salt enabled optimal plant growth and overall plant health as can be seen in the photos below. This is the same plant border with photos taken at 1 month and 3 months post application of Biofeed®.



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