

## Results of Using Biofeed Products at the Surprise Arizona Baseball Recreation Campus (Arizona) USA

### ABSTRACT

The Surprise Recreation Campus, a 170-acre, \$73 million facility 40 miles northwest of Phoenix, has won the *Sports Turf Manager Association's Professional Complex of the Year* award for the second consecutive year (2006). The facility is the spring training home and player development center for the Kansas City Royals and Texas Rangers, as well as home to MLB's Arizona Fall League and the independent minor league franchise, the Surprise Fightin' Falcons.

### BACKGROUND

In early 2004, the grounds manager began using Biofeed SOIL-PLUS®. He realized the need to include a quality biostimulant in the fertilizer program, as the growth medium was mostly comprised of construction sand, and organic content was extremely low.

Due to regular heavy watering, the nutrient levels combined with a challenging water source were contributing to anaerobic soil conditions that eventually began to develop Black Layer conditions. This caused limited root growth although turf quality above ground was thick and deep green. It became possible to find Black Layer in most areas of the soil profile by pulling core samples, and root damage was notably visible and would have eventually caused severe discoloration above ground.

### APPLICATION

The spray technician, under the direction of Mr. Joe Kennedy III, began to apply Biofeed [SOIL-PLUS®](#) to the fields via a portable spray unit which was followed by irrigation. SOIL-PLUS® was often applied along with liquid iron or Biofeed FLORA-PLUS® to improve turf density and promote deep green color.



[ACT®](#) is biologically generated using specific organic compounds which are transformed into unique, water-soluble humic acids, fulvic acids, L-form amino acids, enzymes and other beneficial organic compounds through a proprietary process of biological transformation.

### RESULTS

After 4-6 treatments of Biofeed SOIL-PLUS®, there was no detectable Black Layer to be found in any of the turf areas and new root growth was observed throughout the entire 70+ acres of playing fields and landscape turf.

Mr. Joe Kennedy III received top honors for his managerial skills during 2005-2006, primarily for producing the finest quality sports turf at that time. Biofeed SOIL-PLUS® provided a simple solution to a problematic anaerobic soil problem—Black Layer—which then played a part in creating and maintaining top award-winning sports turf.