

Powered by Acti-Cell Technology® (ACT)**SOIL-PLUS® & FLORA-PLUS® Enhance Hydroseed Germination
(Pittsburgh, Pennsylvania) USA****ABSTRACT**

Germination comparison studies were conducted to determine the effectiveness of Biofeed® SOIL-PLUS® and FLORA-PLUS® under differing climate conditions on reducing germination time and increasing the rate of seeds germinated.

BACKGROUND

Hydro seeders and turf managers are continuously seeking new ways to achieve enhanced seed germination and establishment in as short a time as possible. Un-germinated seed tends to wash away or is eaten by birds and the result is a poorly established stand of turf that often requires reseeding.

APPLICATION

- **Study #1:** Biofeed [FLORA-PLUS®](#) was added to a Rye Grass hydroseeding mixture at the rate of 2.5 gallons per acre, one hour before hydroseeding.
- **Study #2:** Biofeed [SOIL-PLUS®](#) and FLORA-PLUS® were added to a Bluegrass hydroseed mixture at the rate of one gallon and seven gallons per acre respectively, one hour before hydroseeding.
- **CONTROL:** Standard hydroseeding procedures were used for untreated areas.

RESULTS

- **Study #1:** Three days after hydroseeding, this area had 70% germination, whereas the control area (untreated) had no germination. At twelve days, this area had 2.5" tall Rye Grass and the control still had no germination.
- **Study #2:** Nine days after hydroseeding, this area showed over 80% germination and seedling height ranged between ¼" to ½" tall. At 28 days, the Bluegrass averaged 2.5" to 3" tall. Under normal conditions, Bluegrass requires 28 days just for germination.