

**Soil Technologies Corp.
Research and Development Department**



SOILTECH
Teaming With Biology

Research Report

Title: Oasys Ultra Infiltration Results

Location: Sumitomo Chemical Co. Experimental Farm, Japan

Principal Investigators: Sumitomo Chemical Co.

Date: 1995

Abstract

The purpose of this study was to evaluate the effect of Oasys Ultra¹ on soil infiltration times. Tests were performed in individual test tubes using Oasys Ultra, AquaGro² and compared to the water only control. Oasys Ultra reduced infiltration time by 72% over the control while the synthetic AquaGro reduced the infiltration time by 98%.

Methods

Three tubs were filled with sandy clay loam soil. An equal amount of liquid was then placed into each tube and timed to completely infiltrate the soil. The control tube had only water, one tube had water and Oasys Ultra at a rate of 2.5ml/L, the other tube had water and AquaGro added.

Results

The table below demonstrates the results for all treatments. Oasys Ultra reduced percolation time by 72% over the control while the synthetic AquaGro reduced the percolation time by 98%.

¹Oasys Ultra is a botanical OMRI Listed wetting agent manufactured by Soil Technologies Corp. in Fairfield, IA USA

²AquaGro is a synthetic wetting agent using 99% Alkoxylated Polyols

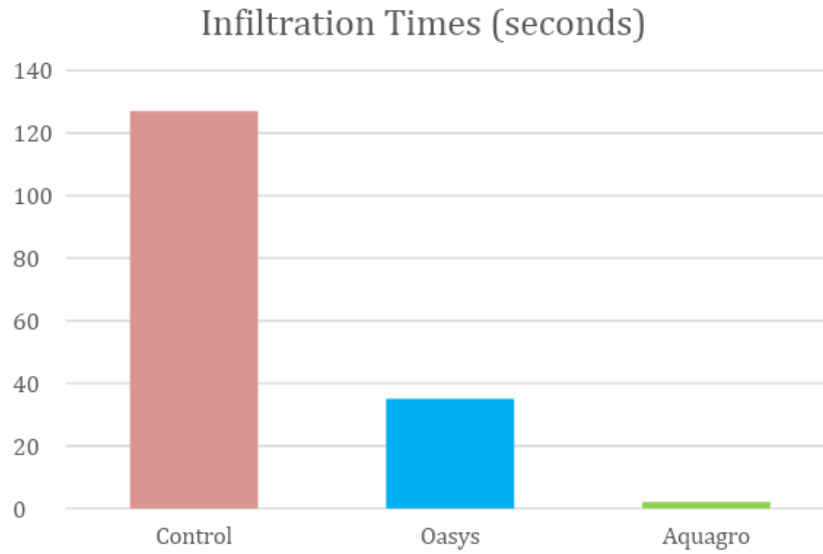


Table 1: Infiltration Times of Tested Wetting Agents

Conclusions

Results from this test show that both products reduced the infiltration time in clay loam soils. Oasys Ultra has potential to serve as a quality wetting agent with the additional beneficial properties of being a biostimulant and microbial feed.