



# Solution for Grass Seed Establishment Root Growth, Nematode and Disease Suppression

Employ is an advanced biochemical that switches on plants innate defenses, to increase root growth, combat nematodes, disease, and promote plant health. This process allows plants to successfully resist, and manage certain pathogens and all life stages of nematodes through plant-wide systemic activity.

## Root Growth and Plant Establishment

Employ advances early root growth in grasses 28-30%, leading to a healthier more robust root system for early nutrient uptake and improved survival over the winter.

## Nematode Suppression

Employ treated grasses are quickly protected from the inside out against nematodes. Employ activates the plant defense mechanisms to prevent nematodes from locating and penetrating the roots, shuts down feeding sites, reduces egg laying capacity, and reduces viability of eggs. The benefit is reduced growth drag and root damage and an overall reduction of nematode populations.

## Long Lasting Protection

A single application of Employ provides season long plant protection. Employ be re-applied after winter dormancy has occurred.

## Application Rate

½ - 1 ounce of Employ per acre.

## Application Timing

**New Plantings:** Apply at emergence (1-2 true leave)

**Spring Growth:** Apply during early growth or with herbicide applications

**Seed Fill:** Make application @ flag leaf emergence or with foliar fungicide treatments

## Nematodes Suppressed:

Root Lesion Nematode (*Pratylenchus penetrans*) • Pin Nematode, *Paratylenchus* sp. • Needle Nematode: *Longidorus* sp. • Rootknot Nematode, *Meloidogyne* sp.

## Diseases Suppressed:

*Fusarium, Pythium, Phytophthora, Powdery Mildew, Rust*

## Key Benefits

- Increase Root Growth 28-30%
- Disease Suppression
- Nematode Suppression
- Stress Defense: Heat, Drought, Salinity
- Increase Seed Size, Fill and Yield

## Application Methods

Ground • Air • Overhead irrigation • May be applied at any crop stage

- 4-hour REI
- 0-Day PHI
- Season Long Protection
- SAR
- Exempt from food tolerance – No MRLs
- Rain-Fast when dry
- Ground, Air, Chemigation Application

## Ask your Ag retailer about Employ or contact:

### Washington

Scott Carpenter 509-412-5400

### Oregon & Idaho

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For more information contact Sym-Agro, Inc. (541)-607-5097 :: www.Sym-Agro.com

Always read and follow label instructions before using this product.

# Employ Trial Data on Grass Crops

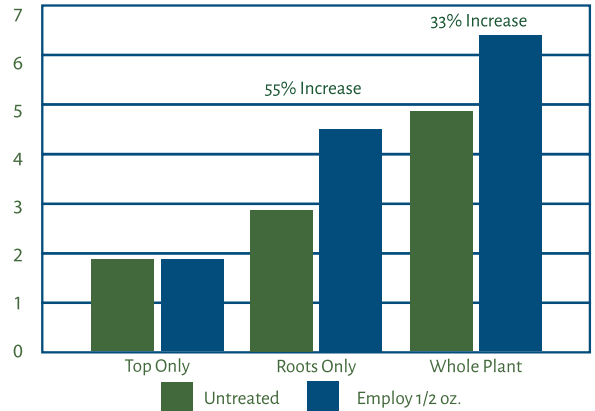
## Employ Treated Fescue-Bluegrass Turf

30% Inferno Tall Fescue 30% Falcon III Tall Fescue 30% Southern Choice II Tall Fescue 10% Washington Kentucky Bluegrass



Employ applied 1/2 oz/acre October 20 & November 5th

## Employ Treated Fescue Blue Grass Root Growth



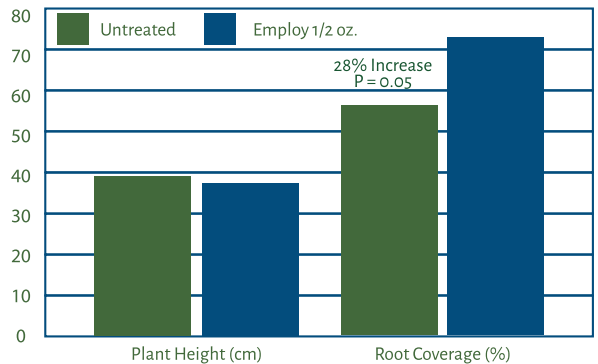
Employ applied 1/2 oz/acre October 20 & November 5th. There was no difference in the top weights, but there was a substantial increase in the root weights.

## Employ Grass Greenhouse trial – 20 September

1/2 oz Employ applied 2 & 4 weeks after emergence



## Employ Grass Trial Root Growth 20 September



Sod Grass Mix 34.48% 'Boreal' Creeping Red Fescue, 29.45% 'Enchanted' Perennial Ryegrass, 23.88% 'Gulf' Annual Ryegrass, 9.56% 'SR2100' Kentucky Bluegrass  
Applications: 1/2 oz Employ 2 & 4 weeks after emergence