

**REGENERATE THE SOILS YOU MANAGE**

# EndoGuard® Biostim SI

## PROBLEM:

1. Root Microflora damaged by biotic stresses
2. Crops delayed by herbicide damage

## SOLUTION:

Inoculate your seed with EndoGuard® Biostim SI



3.5 BUSHELS IN RR SOYBEANS NORTH DAKOTA

**IMPROVED  
HEALTH EFFECTS:  
FEWER DAYS TO  
HARVEST & 15%  
HIGHER YIELD**

## BENEFITS:

- Boost Soil Microflora: Symbiotic with Rhizobia
- Increase both Macro and Micronutrient Uptake
- Faster Emergence
- Improved nodulation in legume crops
- More robust rooting - More root hairs
- Shorter days to harvest by overcoming herbicide injury
- Improve overall plant health and increase Yield

## DRY POWDER:

Apply to seed in the drill box or at auger or onto seed in planter at 2.5 grams per 100 kg of seed.

## LIQUID SUSPENSION:

- Mix EndoGuard® Biostim SI in non-chlorinated water and apply to seed at a rate of 2.5 grams/100kg of seed (0.4 oz per 1,000 lbs of seed).
- Make a suspension using 2.5 grams of product in 400 to 600 mls of non-chlorinated water (25 grams in 4 to 6 liters) and apply at a rate of 4 to 6 ml per kg of seed.

### SEEDING RATE CHART

SEED SIZE	CROP	SEEDING RATE PER ACRE	ENDOGAURD SI RATE 0.025 GRAMS/KG		ACRES PER JAR	ACRES PER CASE
LARGE	WHEAT	90LBS OR 40.8KG	1.02	G/AC	294	1,764
	BARLEY	90LBS OR 40.8KG	1.02	G/AC	294	1,764
	OATS	75LBS OR 34KG	0.85	G/AC	353	2,118
	RYE	60LBS OR 27.2KG	0.68	G/AC	441	2,646
	FIELD CORN	56LBS OR 25.4KG	0.65	G/AC	461	2,766
	SOYBEANS IP	120LBS OR 4.4KG	1.36	G/AC	220	1,320
	SOYBEANS GT OR GR	80LBS TREATED SEED OR 36.3KG	0.91	G/AC	146	880
	PEAS	180LBS OR 81.65KG	2.04	G/AC	147	882
	CHICKPEAS	155LBS OR 70.31KG	1.76	G/AC	171	1,026
	BEANS	100LBS OR 70.31KG	1.13	G/AC	265	1,590
	FLAX	55LBS OR 24.95KG	0.611	G/AC	491	2,946
	LARGE LENTIL	75LBS OR 34KG	0.85	G/AC	353	2,118
SMALL LENTIL	40LBS OR 18.15KG	0.46	G/AC	110	2,640	
SMALL	CANOLA 2X RATE	8LBS OR 3.63KG	0.091	G/AC	3,300	19,780
	TURF	440LBS OR 200KG	4.98	G/AC	60.2	361

**TRUE ENDOPHYTE:** Seed may be treated a year ahead of planting followed a few days or months later by hard chemistry seed treatment. Tolerates fungicides and toxins once colonized.

Application of dry product at the auger or into the planter is effective but can be dusty. Wear an approved mask.

Do not apply as a liquid suspension to treated seed.

**SCOOP INCLUDED:** Full scoop treats 20 acres of wheat (1800 lbs / 816 kg) or 6 to 10 acres of soybeans for example when applied at the auger: see chart for seed weight.

Products will not blind sensors or alter flow of seed...low rate contains a huge number of (CFUs) colony forming units.