

**NDSU Carrington Research Extension Center
2012 Soybean Commercial Inoculant Evaluation**

Influence of inoculation treatments on soybean performance.

ID	Seed Treatment ¹	Product Type	Plant	Days to Maturity	Seeds/ pound	Seed Oil %	Seed Protein %	Test Weight lb/bu	Seed Yield bu/ac
			Stand ² 22 DAP plts ft ⁻²						
1	Untreated	NA	4.9	113.2	2866	20.1	34.6	56.9	56.1
2	60lb N Fertilizer	NA	5.3	113.7	2924	20.2	34.4	57.0	58.9
3	Primo CL Liquid	Liquid	4.8	114.7	2873	20.3	34.0	56.9	55.8
4	Tag Team LCO	Liquid	5.2	113.7	2865	20.2	33.9	56.9	54.1
5	Optimize	Liquid	5.0	114.0	2949	20.2	34.1	57.0	55.0
6	SoyRhizo	Liquid	4.5	114.8	2898	20.2	34.2	56.9	59.6
7	MycoApply endo	Liquid	5.0	115.5	2887	20.1	34.4	56.9	61.6
8	Primo GX2 Granular	Granular	4.8	114.0	2868	20.1	34.4	57.0	55.0
MEAN			4.9	114.2	2891	20.2	34.2	56.9	57.0
C.V. (%)			11.4	1.1	1.9	1.2	1.8	0.4	7.9
LSD 0.10			NS	1.2	NS	NS	NS	NS	4.4
LSD 0.05			NS	NS	NS	NS	NS	NS	NS
LSD 0.01			NS	NS	NS	NS	NS	NS	NS
#REPS			6	6	6	6	6	6	6

Planting Date = May 15 ; Harvest Date = September 26 ; Previous Crop = Field Pea; Soybean Cultivar = Dairyland 0401.

** Desired stand was 220,000 plants per acre. Planted 240,000 seeds per acre assuming a 10% seedling mortality.

¹ All inoculants were applied as labeled to soybean seed within four hours of planting. Commercial fertilizer treatment (60 lbs N per acre), urea fertilizer applied after planting and before full emergence.

² Plant stand assessment: 22 DAP equates to 22 days after planting. Stand counts at each timing were determined by counting two specific areas per plot, each consisting of 5 7-inch rows by 1 meter in length.