

**NDSU Carrington Research Extension Center
2012 Field Pea Commercial Inoculant Evaluation**

Commercial Field Pea Inoculation	Carrington
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Trt #	Treatment Code ¹	Product Type	Plant Vigor ² 1 to 10	Emerg'd Plant Stand plts ft ⁻²	Days to Bloom	Bloom Duration	Days to PM	(Vine) Plant Height inch	Seed Protein %	Starch Content %	Seeds/ Pound	1000 KWT gram	Test Weight lb/bu	Seed Yield bu/ac
1	Untreated	NA	6.4	9.2	51.0	8.0	73.0	29.6	26.9	44.3	2235	203.4	63.3	50.4
2	60 lb N Fertilizer	NA	6.3	8.3	50.0	9.0	72.4	30.4	26.8	45.6	2243	203.3	63.2	50.3
3	Tag Team Lco	Granular	7.8	9.2	50.0	9.0	73.0	30.2	26.9	44.7	2196	206.7	63.6	53.3
4	Optimize	Granular	6.2	7.1	50.0	9.0	73.0	29.9	26.3	45.0	2198	206.8	63.4	53.2
5	PX-548	Liquid	7.6	8.8	50.0	9.0	72.4	30.9	26.4	44.9	2225	204.2	63.6	53.1
6	PX-549	Granular	4.8	5.1	50.0	9.0	72.8	30.4	26.4	45.9	2236	203.3	63.4	51.8
7	PeasRhizo	Liquid	7.2	9.2	50.0	9.0	73.2	29.9	26.4	44.1	2270	200.6	63.6	55.1
8	Primo GX2	Granular	4.6	5.0	50.0	9.0	73.2	29.6	26.9	44.6	2170	209.2	63.5	50.6
MEAN			6.4	7.7	50.1	8.9	72.9	30.1	26.6	44.9	2222	204.7	63.4	52.2
C.V. (%)			13.2	16.3	na	na	0.8	5.0	1.6	3.3	4.0	3.7	0.7	4.6
LSD 0.05			1.0	1.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.9
LSD 0.01			1.3	2.0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
#REPS			6	6	6	6	6	6	6	6	6	6	6	6

Planting Date = May 16 ; Harvest Date = August 7 ; Previous Crop = Soybean.

¹ All inoculants were applied as labeled to field pea 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 vigor score assessed on scale of 1 to 10. 1 = very poor vigor and 10 = excellent. A score of 5 equates to normal/expected plant vigor.

* Harvest Ease scores were collected, however all plots scored 0 representing excellent harvest ease/ability.