

**NDSU Carrington Research Extension Center
2008**

2008 Field Pea Inoculation Trial - Commercial Product Evaluation	Carrington
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Trmt. ID	Treatment Code	Company	Form.	Plant Stand ft ⁻²	Nodule Number # / plant	Nodule Mass gram/5 plants	Days to Bloom	Seed Protein %	1000 KWT gram	Seeds/ Pound	Test Weight lb/bu	Seed Yield bu/ac
1	60 lb N	NA	NA	4.8	20.5	0.135	55.3	24.5	199	2286	63.3	70.6
2	Check	NA	NA	5.2	23.8	0.175	55.0	24.9	198	2295	63.3	65.6
3	Apron Maxx Check	NA	NA	5.0	24.8	0.190	55.3	24.2	200	2267	64.1	65.9
4	Excalibre	Pulse USA	Liquid	5.4	34.8	0.333	55.3	24.5	198	2297	63.7	67.3
5	Excalibre-7	Pulse USA	Liquid	5.7	29.8	0.283	55.0	24.5	195	2334	63.6	64.7
6	ExcalibreQR	Pulse USA	Liquid	6.2	20.3	0.153	56.0	24.7	197	2304	63.3	67.1
7	ExcalibreQR-7	Pulse USA	Liquid	5.9	17.3	0.135	54.8	24.5	198	2291	63.3	65.9
8	N-CHARGE	INTX Microbials	Peat	4.9	24.0	0.138	54.8	24.5	197	2307	63.7	68.5
9	N-ROW	INTX Microbials	Granular	5.6	18.3	0.133	54.8	24.5	195	2327	63.2	66.5
10	Nodulator Liquid	Becker Underwood	Liquid	5.7	34.8	0.198	54.8	24.6	195	2332	63.0	67.5
11	Optimize IF	EMD Crop Biosciences		5.8	23.3	0.095	55.8	24.4	197	2306	63.6	68.0
13	PRIMO	INTX Microbials	Liquid	6.1	45.0	0.235	56.3	24.8	200	2277	63.5	70.7
14	So-Fast Granule	Loveland	Granular	6.0	61.8	0.328	56.3	24.5	200	2267	63.6	70.3
15	So-Fast Liquid	Loveland	Liquid	5.5	53.8	0.358	55.0	25.0	196	2317	63.3	67.9
16	TagTeam Liquid	Novozymes BioAg	Liquid	5.2	41.5	0.343	55.5	24.9	196	2317	63.8	70.2
17	MicroNFP-ST Dry	Pulse USA	Dry Powder	5.8	18.3	0.118	54.8	24.7	200	2275	63.6	68.0
18	MicroNFP-ST Dry - 7	Pulse USA	Dry Powder	5.5	23.5	0.293	55.3	24.9	200	2276	62.8	71.2
19	MicroNFP-ST Liquid	Pulse USA	Liquid	5.5	19.8	0.173	54.8	24.3	201	2255	63.6	66.9
20	MicroNFP-ST Liquid - 7	Pulse USA	Liquid	5.8	21.0	0.190	55.8	24.7	193	2357	63.5	67.6
MEAN				5.5	28.9	0.206	55.3	24.6	198	2298	63.5	67.9
C.V.%				13.9	72.1	77.1	1.4	2.0	2.4	2.4	1.0	5.5
LSD.05				NS	NS	NS	NS	NS	NS	NS	NS	NS
LSD.01				NS	NS	NS	NS	NS	NS	NS	NS	NS
Pr > F				0.1521	0.1376	0.3168	0.0600	0.6041	0.5567	0.5321	0.6618	0.5068
#REPS				5	4	4	4	4	4	4	4	4

Planting Date = May 9 ; Harvest Date = August 21 ; Previous Crop = Spring Wheat.

** Soil test indicated 33 lbs of available N in top 2 feet of soil profile.

Phosphorus = 7 ppm

Potassium = 205 ppm

** the [-7] designation are treatments where product was applied 7 days before seeding.

Soil pH = 7.2%

Soluble salts = 0.25 mmho/cm