

Field Pea Response to Starter Fertilizer

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An experiment was conducted at the Carrington Research Extension Center in 2008 to evaluate field pea response to starter fertilizer treated with Avail. Inoculated 'DS Admiral' field pea was sown April 28 in 7-inch rows at 300,000 pure live seeds/acre. An additional treatment was also included to evaluate the inoculant 'TagTeam'. The trial was harvested August 6.

For the parameters measured, no differences among treatments were detected (Table).

Table. Field pea response to starter fertilizer and 'TagTeam'.

Trt No. ^a	Treatment ^a	Rate	Plant Population plants/a	Vine Length inch	Canopy Ht at Harvest inch	Harvest Index %	Lodging 0-9	1000 KWT gram	Test Weight lb/bu	Seed Protein %	Seed Yield bu/a
1	Inoculated Check		238988	33.1	21.9	66.1	4.0	233.3	65.0	23.5	53.3
2	11-52-0	20 lb P ² O ⁵ /a	157428	33.4	24.5	73.3	3.8	239.9	64.9	23.6	53.5
3	11-52-0 + Avail	20 lb P ² O ⁵ /a	183983	33.3	22.0	66.3	3.5	238.6	64.9	23.5	54.3
4	11-52-0	40 lb P ² O ⁵ /a	180568	32.8	23.7	72.4	4.0	241.5	64.5	23.6	55.9
5	11-52-0+ Avail	40 lb P ² O ⁵ /a	159325	33.1	23.0	69.6	3.8	240.8	64.8	23.7	52.9
6	TagTeam		208640	33.0	23.0	69.8	4.3	234.8	65.0	23.4	55.5
LSD (P=0.05)			NS	NS	NS	NS	NS	NS	NS	NS	NS
CV			21.79	1.23	5.49	5.41	16.04	1.68	0.54	0.79	7.54
Mean			195047	33.1	23.0	69.6	3.9	238.2	64.9	23.5	54.2

^aTreatments 1-5 were inoculated with Soil Implant+.