

Table 2. Soybean response to crop rotation, Carrington, 2005 (interactions).

Treatment	Plant emergence (Jday)	Plants/A (x1000)	First flower (Jday)	Plant maturity (Jday)	Plant height (inch)	Average root length (mm)	Disease			Grain yield (bu/A)	Test weight (lb/bu)	250 KWT (gram)	Oil (%)	Protein (%)	Seed germ (%)	Seed fungi 0-5	Seed bacteria 0-5
							Average root lesion (mm)	Unifoliolate leaf severity (%)									
RotxInoc																	
soy/soy inoc	151	2333	183	242	30.3	128	27	23	47.0	58.5	37.3	19.9	36.2	97.5	2	1	
soy/soy UC	151	2347	183	242	30.8	127	31	23	48.1	58.2	36.7	19.9	36	98.8	2	1	
soy/wht inoc	152	2486	183	242	27.6	117	22	9	44.5	58.6	36.1	20.3	35	95.6	2	1	
soy/wht UC	152	2201	183	242	28.3	117	25	10	43.6	58.5	36.3	20.3	34.6	96.9	2	1	
LSD 0.05	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
RotxTreat																	
soy/soy treat	151	2358	183	242	31.2	135	29	25	47.2	58.2	37.1	20.0	36.1	97.5	2	1	
soy/soy UC	151	2322	183	242	29.9	120	28	21	47.9	58.4	36.9	19.8	36.1	98.6	2	1	
soy/wht treat	152	2490	183	242	28.4	119	25	9	45.5	58.5	36.0	20.3	34.8	96.9	2	1	
soy/wht UC	152	2198	183	242	27.4	115	23	10	42.5	58.5	36.3	20.3	34.8	95.6	2	1	
LSD 0.05	NS	*	NS	NS	NS	NS	NS	NS	1.7	NS	NS	0.1	NS	NS	NS	NS	
InocxTreat																	
inoc treat	152	2433	183	242	29.5	129	25	16	46.3	58.7	37.2	20.2	35.7	97.5	2	1	
inoc UC	152	2386	183	242	28.3	116	24	15	45.2	58.5	36.2	20.0	35.5	95.6	2	1	
UC treat	152	2415	183	242	30.1	125	29	17	46.5	58.1	36.0	20.2	35.2	96.9	2	1	
UC UC	152	2134	183	242	28.9	119	27	16	45.2	58.5	37.0	20.0	35.4	98.8	2	1	
LSD 0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.3	0.9	NS	NS	NS	NS	NS	
mean	152	2342	183	242	29.2	122	26	16	45.8	58.4	36.6	20.1	35.4	97.0	2.1	0.9	
C.V.%	0.1	8.1	0.1	0.2	6.3	10.8	15.2	33.4	3.4	0.5	2.2	0.6	0.8	4.3	23.8	49.0	