

Table 1. Hybrid, seeding rate, and row spacing response on grain yield and other variables, 2009 at the Northwest Research and Demonstration Farm.

Factors		Plant population †				Stalk lodging		Ear count (per 17.4 ft row)		Grain moisture		Yield (15% ¶)	
		Early season	sig. ‡	R6+ §	sig.	%	sig.	Count	sig.	%	sig.	bu/a	sig.
DeKalb Hybrid	48-37	35285	b	35410	a	0.01	ab	35	a	24.0	b	166.6	a
	52-59	35368	b	35410	a	0.00	b	35	a	28.4	a	175.0	a
	41-60	36379	a	35347	a	0.03	a	35	a	23.3	b	139.8	b
Seeding Rate †	28000	29054	d	28178	d	0.01	b	28	d	24.6	a	160.1	a
	33000	33375	c	33069	c	0.02	ab	33	c	24.9	a	159.3	a
	38000	36737	b	37682	b	0.02	ab	37	b	26.0	a	159.5	a
	43000	43545	a	42628	a	0.02	a	41	a	25.4	a	162.8	a
Row Spacing	Single	36167	a	35584	a	0.02	a	35	a	25.4	a	163.1	a
	Twin	35188	b	35195	a	0.02	a	35	a	25.1	a	157.8	b

†Plants per acre.

‡Means within a factor (either hybrid or seeding rate or row spacing) and column followed by the same letter are similar, $P \leq 0.05$.

§R6, physiological maturity, black layer.

¶MB = grain yields converted to 15.0% moisture basis (MB).