

Location	Water regime	Density (plants/acre)	Hybrid RM (days)	2016 planting date <sup>†</sup>	Average yield (bu/ac) <sup>§</sup>
Alliance, NE	Irrigated	34,000	95	May 10	163
North Platte, NE	Irrigated	34,000	110	May 15	185
	Dryland	15,000	105	May 20	68
McCook, NE	Irrigated	34,000	110	April 25	184
	Dryland	15,000	105	April 25	72
Holdrege, NE	Irrigated	34,000	113	April 25	197
	Dryland	17,000	105	April 25	93
Clay Center, NE	Irrigated	34,000	113	April 28	192
	Dryland	26,000	113	April 28	115
Beatrice, NE	Irrigated	34,000	114	April 15	190
	Dryland	29,000	113	April 16	113
Mead, NE	Irrigated	34,000	113	May 1	189
	Dryland	27,000	113	May 7	145
Concord, NE	Irrigated	34,000	111	April 25	192
	Dryland	26,000	110	May 5	135
Elgin, NE	Irrigated	34,000	113	May 2	184
ONeil, NE	Irrigated	34,000	108	May 2	190
Manhattan, KS	Dryland	25,000	110	April 17	109
Scandia, KS	Irrigated	34,000	116	April 27	173
	Dryland	24,000	107	May 2	100
Silverlake, KS	Irrigated	34,000	117	April 14	171
	Dryland	24,000	109	April 18	99
Hutchinson, KS	Dryland	20,000	105	April 28	74
Garden City, KS	Irrigated	26,000	113	May 8	191
Lamberton, MN	Dryland	32,000	101	May 5	168
Waseca, MN	Dryland	34,000	103	April 26	174
Eldred, MN	Dryland	27,000	82	May 6	126
Dazey, ND	Dryland	27,000	82	May 9	125
St Joseph, MO	Dryland	30,000	112	April 18	133
Brunswick, MO	Dryland	30,000	112	April 11	131
Monroe City, MO	Dryland	29,000	111	April 16	128
Ames, IA	Dryland	34,000	109	April 24	164
Crawfordsville, IA	Dryland	35,000	113	April 24	167
Kanawha, IA	Dryland	35,000	101	April 24	173
Lewis, IA	Dryland	34,000	113	April 29	160
Nashua, IA	Dryland	34,000	101	April 29	172
Sutherland, IA	Dryland	34,000	103	May 4	175
Bondville, IL	Dryland	34,000	113	April 26	169
Freeport, IL	Dryland	34,000	103	May 1	168
Olney, IL	Dryland	29,000	113	May 16	143
Peoria, IL	Dryland	33,000	113	April 22	174
SpringField, IL	Dryland	35,000	113	April 21	167
Butlerville, IN	Dryland	32,000	113	May 26	144
Columbia City, IN	Dryland	32,000	108	May 16	157
Davis, IN	Dryland	33,000	108	May 17	153
West Lafayette, IN	Dryland	34,000	113	May 17	166
Custar, OH	Dryland	33,000	108	May 22	154
South Charleston, OH	Dryland	33,000	112	May 22	157
Wooster, OH	Dryland	32,000	106	May 22	149
Ceresco, MI	Dryland	32,000	105	May 31	143

<sup>†</sup> Data were retrieved by state collaborators and DuPont Pioneer agronomists. <sup>‡</sup> Approximate date at which 50% of final corn area was planted in 2016 at each location. Soil water balance was initialized around prior crop harvest in the previous year (2015), assuming 50% available soil water. <sup>§</sup> Average (2005-2014) actual yield reported by USDA-NASS for the counties located near the simulated location (source: Global Yield Gap Atlas; [www.yieldgap.org](http://www.yieldgap.org)).