

Table 1. Management and soil data used for forecasts in NE, KS, MN, and MO †

Location	Water regime	Soil texture	Density (plants/acre)	Relative maturity (days)	2015 planting date‡
Alliance, NE	Irrigated	**	34,000	95	May 18
North Platte, NE	Irrigated	**	34,000	110	May 14
	Dryland	Silt loam	15,000	105	May 14
McCook, NE	Irrigated	**	34,000	110	May 7
	Dryland	Silt loam	15,000	105	May 7
Holdrege, NE	Irrigated	**	34,000	113	May 5
	Dryland	Silt loam	17,000	105	May 5
Clay Center, NE	Irrigated	**	34,000	113	April 26
	Dryland	Silty clay loam	26,000	113	April 26
Beatrice, NE	Irrigated	**	34,000	114	May 20
	Dryland	Silty clay loam	29,000	113	May 20
Mead, NE	Irrigated	**	34,000	113	May 4
	Dryland	Silt loam	27,000	113	May 4
Concord, NE	Irrigated	**	34,000	111	April 27
	Rainfed	Silt loam	26,000	110	April 28
Elgin, NE	Irrigated	**	34,000	113	May 1
O'Neil, NE	Irrigated	**	34,000	108	April 25
Manhattan, KS	Dryland	Silty clay loam	25,000	110	April 19
Scandia, KS	Irrigated	**	34,000	116	May 3
	Dryland	Silt loam	24,000	107	May 7
Silverlake, KS	Irrigated		34,000	117	April 15
	Dryland	Silt loam	24,000	109	April 19
Hutchinson, KS	Dryland	Sandy loam	20,000	111	April 26
Garden City, KS	Irrigated	**	26,000	113	May 10
Lamberton, MN	Dryland	Loam	34,000	103	April 23
Waseca, MN	Dryland	Clay loam	34,000	103	April 23
St Joseph, MO	Dryland	Silt loam	30,000	112	May 9
Brunswick, MO	Dryland	Silt loam	30,000	112	May 1
Monroe City, MO	Dryland	Silt loam	29,000	111	May 1
Clarkton MO,	Irrigated	**	34,000	118	May 1
	Dryland	Silty clay loam	25,000	113	May 1

† Data were retrieved by state collaborators and DuPont Pioneer agronomists. ** Soil is not needed for simulation of irrigated crops.

‡ Approximate date at which 50% of final corn area was planted in 2015 at each location. Soil water balance was initialized around crop harvest in the previous year (2014), assuming 50% available soil water

Table 2. Management and soil data used for forecasts in IA, IL, IN, OH, SD & WI†

Location	Water regime	Soil texture	Density (plants/acre)	Relative maturity (days)	2015 planting date‡
Ames, IA	Dryland	Loam	35,000	109	May 1
Crawfordsville, IA	Dryland	Silty clay loam	34,000	113	May 1
Kanawha, IA	Dryland	Silt loam	30,000	101	May 1
Lewis, IA	Dryland	Silty clay loam	33,000	113	May 1
Nashua, IA	Dryland	Loam	35,000	101	May 1
Sutherland, IA	Dryland	Silty clay loam	34,000	103	May 1
Bondville, IL	Dryland	Silty clay loam	34,000	113	May 1
Freeport, IL	Dryland	Silt loam	34,000	103	April 30
Olney, IL	Dryland	Silt loam	29,000	113	April 30
Peoria, IL	Dryland	Silt loam	33,000	113	April 24
Springfield, IL	Dryland	Silt loam	35,000	113	April 27
Butler, IN	Dryland	Silt loam	32,000	113	May 10
Columbia City, IN	Dryland	Silt loam	32,000	108	May 10
Davis, IN	Dryland	Silt loam	33,000	108	May 10
West Lafayette, IN	Dryland	Silt loam	34,000	113	May 10
Custar, OH	Dryland	Silty clay loam	33,000	108	May 10
S. Charleston, OH	Dryland	Silty clay loam	33,000	112	May 10
Wooster, OH	Dryland	Silt loam	32,000	106	May 10
Beresford, SD	Irrigated	**	34,000	105	April 24
	Dryland	Silty clay loam	32,000	103	April 26
Brookings, SD	Dryland	Silty clay loam	33,000	100	April 28
Pierre, SD	Dryland	Silt loam	21,000	95	May 1
Redfield, SD	Dryland	Silty clay loam	27,000	100	May 1
Arlington, WI	Dryland	Silt Loam	33,000	103	May 5
Hancock, WI	Dryland	Silt loam	34,000	100	May 5
	Irrigated	Loamy sand	30,000	96	May 5

† Data were retrieved by state collaborators and DuPont Pioneer agronomists. ** Soil is not needed for simulation of irrigated crops.

‡ Approximate date at which 50% of final corn area was planted in 2015 at each location. Soil water balance was initialized around crop harvest in the previous year (2014), assuming 50% available soil water