

Table 1. In-season yield potential forecasts as of July 20, 2014 in the western Corn Belt

Location	Water regime	Soil type	Plant density (ac ⁻¹)	Relative maturity (days)	2014 planting date [†]	Long-term average Yp (bu/ac) [¶]	2014 forecasted Yp (bu/ac) [‡]		
							25%*	Median	75%**
NEBRASKA									
North Platte	Irrigated	Silt loam	33k	103	April 27	211	240	205	185
Holdrege	Irrigated	Silt loam	34k	113	April 22	238	252	233	223
Clay Center	Irrigated	Silty clay loam	33k	113	May 5	242	265	255	233
	Dryland		26k			160	214	174	137
Mead	Irrigated	Silty clay loam	33k	113	April 25	232	250	231	216
	Dryland		29k		April 30	157	228	202	173
Concord	Irrigated	Silt loam	33k	110	May 8	240	268	249	225
	Dryland		26k			172	243	208	188
O'Neill	Irrigated	Loamy sand	33k	106	April 30	219	252	228	201
KANSAS									
Manhattan	Dryland	Silty clay loam	22k	107	April 27	138	170	159	146
Scandia	Irrigated	Silt loam	30k	107	May 4	187	226	208	194
	Dryland		24k			151	193	178	166
Silverlake	Irrigated	Silt loam	30k	107	April 22	177	225	205	191
Hutchinson	Dryland	Sandy loam	20k	115	April 24	123	167	147	134
Garden City	Irrigated	Silt loam	26k	107	May 4	176	201	186	172

[†] Date at which 50% of final corn area was planted. [¶] Average (25+ years) simulated yield potential (Yp) based on dominant soil series, historical (last 10 yrs.) average planting date, plant density and relative maturity of most widespread hybrid at each location. Soil water balance was initialized around crop harvest in the previous year, assuming 50% available soil water. [‡] Yield forecast based on 2014 planting date. *25% probability of obtaining a yield equal to or higher than the value shown based on long-term weather data to finish the season. ** 75% probability of obtaining a yield equal to or higher than the value shown based on long-term weather data to finish the season.