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# **2012 Forecasted Corn Yield Potential by July 30<sup>th</sup> based on simulations using UNL Hybrid-Maize model**

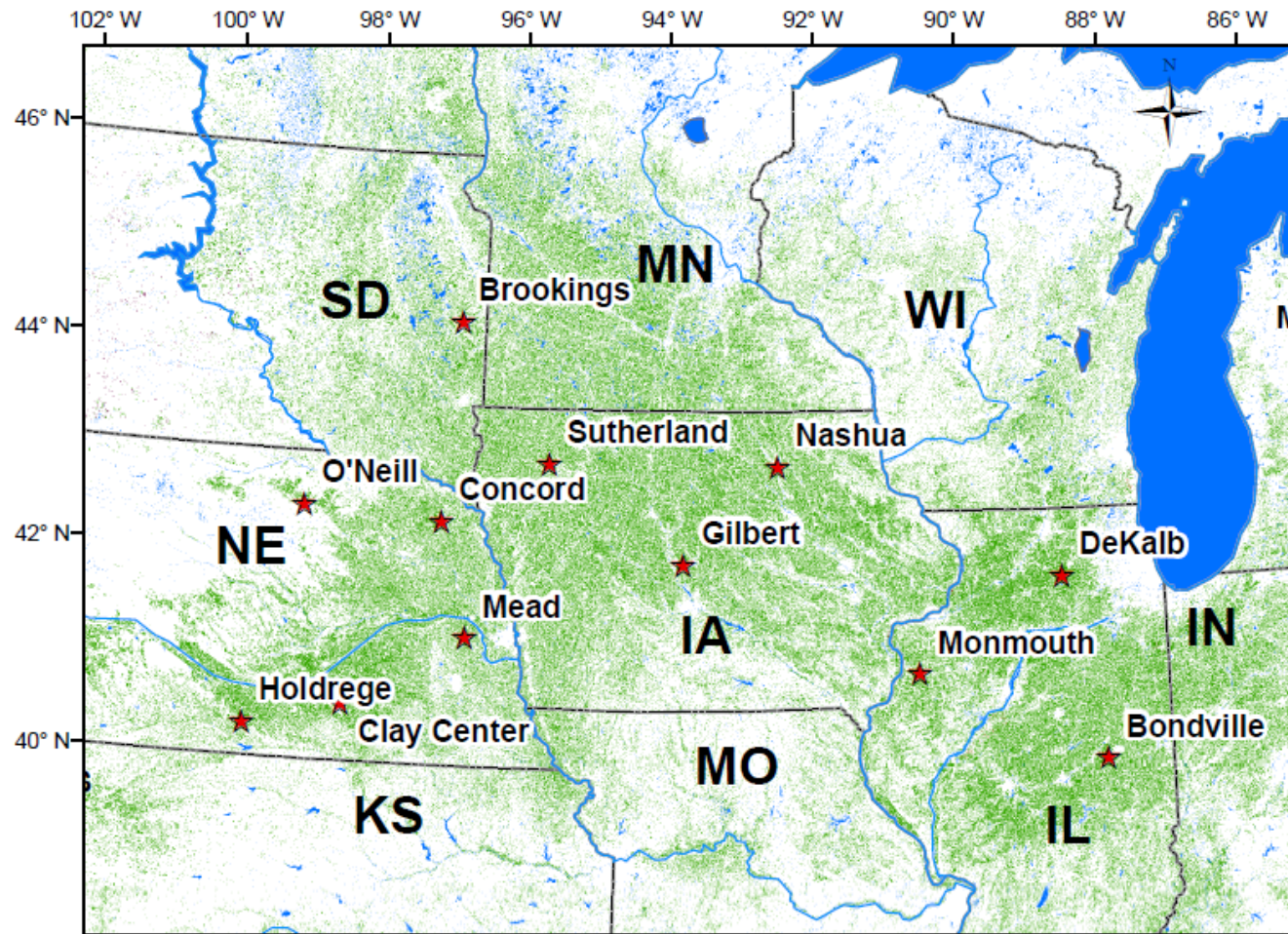
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# Simulated locations across the U.S. Corn Belt

Corn planted area is shown in green



Stars indicate the sites for which in-season yield forecasting were performed using the Hybrid-Maize model with actual weather and dominant management practices and soil series at each site.

Weather data were retrieved from High Plain Regional Climate Center (HPRCC) and the Water and Atmospheric Resources Monitoring Program (WARM) through the Illinois Climate Network (Illinois State Water Survey [ICWS], Prairie Research Institute, University of Illinois at Urbana-Champaign).

# 2012 In-season Yield Potential Forecasts using UNL Hybrid-Maize Model

Location, state	Water regime	Soil type <sup>†</sup> & initial water	PP <sup>†</sup> (ac <sup>-1</sup> )	RM <sup>†</sup> (days)	Planting date <sup>†</sup>	Long-term Yp (bu/ac) <sup>‡</sup>	2012 forecasted Yp (bu/ac)		
							75 <sup>th</sup> *	Median	25 <sup>th</sup> **
Holdrege, NE	Irrigated	Silt loam	32.4k	113	April 27	248	241	231	220
Clay Center, NE	Irrigated	Silt clay loam	32.4k	113	April 23	250	245	233	227
	Rainfed	100% ASW	24.0k		April 23	146	114	92	73
Mead, NE	Irrigated	Silt clay loam	32.4k	113	April 30	240	238	225	215
	Rainfed	100% ASW	28.0k			160	94	85	67
Concord, NE	Irrigated	Silt loam	32.4k	104	May 3	235	227	217	206
	Rainfed	100% ASW	29.0k			154	103	91	81
O'Neill, NE	Irrigated	Sandy loam 100% ASW	32.4k	106	May 3	225	229	213	204
Brookings, SD	Rainfed	Silt clay loam 100% ASW	30.0k	98	May 4	120	124	110	99
Sutherland, IA	Rainfed	Silt clay loam 100% ASW	31.4k	99	May 1	168	141	119	87
Gilbert, IA	Rainfed	Loam 100% ASW	32.4k	110	April 26	200	177	149	137
Nashua, IA	Rainfed	Loam 100% ASW	32.4k	99	May 1	198	168	148	140
Monmouth, IL	Rainfed	Silt loam 100% ASW	32.4k	112	April 27	212	185	165	148
DeKalb, IL	Rainfed	Silt clay loam 100% ASW	32.4k	111	May 1	201	199	183	165
Bondville, IL	Rainfed	Silt clay loam 100% ASW	32.4k	114	April 20	197	128	110	103

<sup>†</sup> Simulations based on dominant soil series, average planting date, and plant population (PP) and relative maturity (RM) of most widespread hybrid at each location (Grassini *et al.*, 2009). <sup>‡</sup> Average (20+ years) simulated yield potential (Yp). \* 75<sup>th</sup> and \*\* 25<sup>th</sup> percentile yields, which represent favorable and unfavorable weather scenarios for the rest of the season, respectively.