



## APPENDIX III • Temperature and precipitation data

### 2012 and Historical Monthly Weather Data<sup>1</sup> for DeKalb, Illinois

Month	Mean temperature (°F)			Cumulative modified growing degree days (base 50°F, ceiling 86°F)			Total precipitation (in)		
	2012	15-year average (1997–2011)	Difference	2012	15-year average (1997–2011)	Difference	2012	15-year average (1997–2011)	Difference
April	49.0	49.1	-0.1	178	178	—	2.44	3.48	-1.04
May	64.0	59.4	+4.6	644	534	+110	2.98	4.90	-1.92
June	70.0	69.5	+0.5	1,242	1,115	+127	0.81	4.40	-3.59
July	76.5	73.3	+3.2	2,014	1,828	+186	2.27	3.78	-1.51
August	68.6	71.3	-2.7	2,588	2,485	+103	2.56	4.31	-1.75
September	60.2	64.2	-4.0	2,999	2,939	+60	1.44	3.28	-1.84
October	48.4	51.8	-3.4	3,175	3,155	+20	3.04	2.73	+0.31

<sup>1</sup> Data were compiled by the Midwestern Regional Climate Center.

### 2012 and Historical Monthly Weather Data<sup>1</sup> for Monmouth, Illinois

Month	Mean temperature (°F)			Cumulative modified growing degree days (base 50°F, ceiling 86°F)			Total precipitation (in)		
	2012	15-year average (1997–2011)	Difference	2012	15-year average (1997–2011)	Difference	2012	15-year average (1997–2011)	Difference
April	53.2	51.3	+1.9	248	210	+38	1.91	3.74	-1.83
May	66.8	61.6	+5.2	779	617	+162	3.79	5.00	-1.21
June	71.0	70.5	+0.5	1,396	1,230	+166	2.95	5.19	-2.24
July	78.6	74.0	+4.6	2,214	1,959	+255	0.09	2.39	-2.30
August	71.6	72.5	-0.9	2,863	2,651	+212	3.31	3.55	-0.24
September	62.8	65.1	-2.3	3,312	3,136	+176	1.59	3.46	-1.87
October	52.2	53.1	-0.9	3,581	3,384	+197	3.60	2.50	+1.10

<sup>1</sup> Data were compiled by the Midwestern Regional Climate Center.



## 2012 and Historical Monthly Weather Data<sup>1</sup> for Morrison, Illinois

Month	Mean temperature (°F)			Cumulative modified growing degree days (base 50°F, ceiling 86°F)			Total precipitation (in)		
	2012	15-year average (1997–2011)	Difference	2012	15-year average (1997–2011)	Difference	2012	15-year average (1997–2011)	Difference
April	49.4	50.5	-1.1	177	212	-35	3.77	3.82	-0.05
May	63.6	60.7	+2.9	640	608	+32	3.13	4.03	-0.90
June	68.9	70.0	-1.1	1,208	1,201	+7	2.13	4.72	-2.59
July	78.4	73.9	+4.5	2,008	1,915	+93	0.48	4.09	-3.61
August	69.6	71.6	-2.0	2,601	2,576	+25	4.28	4.38	-0.10
September	61.5	64.0	-2.5	3,035	3,036	-1	1.17	3.07	-1.90
October	49.9	51.9	-2.0	3,232	3,274	-42	2.48	2.75	-0.27

<sup>1</sup> Data were compiled by the Midwestern Regional Climate Center.

## 2012 and Historical Monthly Weather Data<sup>1</sup> for Perry, Illinois

Month	Mean temperature (°F)			Cumulative modified growing degree days (base 50°F, ceiling 86°F)			Total precipitation (in)		
	2012	15-year average (1997–2011)	Difference	2012	15-year average (1997–2011)	Difference	2012	15-year average (1997–2011)	Difference
April	55.6	53.7	+1.9	300	260	+40	5.39	3.71	+1.68
May	67.6	63.1	+4.5	864	712	+152	1.01	3.83	-2.82
June	71.6	72.0	-0.4	1,487	1,360	+127	1.55	5.36	-3.81
July	82.0	76.1	+5.9	2,320	2,129	+191	0.95	3.71	-2.76
August	73.6	74.3	-0.7	2,988	2,851	+137	0.73	3.19	-2.46
September	64.1	66.5	-2.4	3,473	3,370	+103	7.41	3.47	+3.94
October	54.5	54.5	—	3,765	3,654	+111	4.24	3.25	+0.99

<sup>1</sup> Data were compiled by the Midwestern Regional Climate Center.



## 2012 and Historical Monthly Weather Data<sup>1</sup> for Urbana, Illinois

Month	Mean temperature (°F)			Cumulative modified growing degree days (base 50°F, ceiling 86°F)			Total precipitation (in)		
	2012	15-year average (1997–2011)	Difference	2012	15-year average (1997–2011)	Difference	2012	15-year average (1997–2011)	Difference
April	52.7	53.2	-0.5	257	246	+11	2.59	3.53	-0.94
May	67.4	62.8	+4.6	806	683	+123	2.47	4.41	-1.94
June	70.5	72.0	-1.5	1,408	1,334	+74	1.63	4.48	-2.85
July	78.6	75.2	+3.4	2,210	2,094	+116	0.59	4.50	-3.91
August	70.7	73.8	-3.1	2,830	2,817	+13	3.92	3.76	+0.16
September	62.8	67.1	-4.3	3,279	3,341	-62	6.01	3.15	+2.86
October	51.3	54.7	-3.4	3,475	3,609	-134	5.46	3.19	+2.27

<sup>1</sup> Data were compiled by the Midwestern Regional Climate Center.