

2022 Fertilizer Station Weather Report

Table 1. Precipitation at Ashland Bottoms and Belleville

	Ashland Bottoms		Belleville	
	Actual	Normal	Actual	Normal
January	0.11	0.64	0.10	0.61
February	0.04	1.14	0.00	0.97
March	2.40	2.17	1.57	1.49
April	0.95	3.38	1.88	2.75
May	8.15	5.23	4.80	4.57
June	6.21	5.47	2.44	4.34
July	5.91	4.62	3.96	4.46
August	1.55	4.40	1.61	3.72
September	1.72	3.41	3.72	3.12
October	1.25	2.50	1.09	2.50
November	3.28	1.62	0.40	1.15
December	1.05	1.19	0.85	0.92
Annual	32.62	35.77	22.42	30.60
Last Spring Freeze	4/26/2022		4/26/2022	
First Fall Freeze	10/18/2022		10/17/2022	
Frost Free Days	174		173	
Number of Days $\geq 90^{\circ}\text{F}$	61		56	
Number of Days $\geq 100^{\circ}\text{F}$	3		2	
Number of Days $< 10^{\circ}\text{F}$	24		35	

Normal = 30-year average, 1991-2020

Table 2. Precipitation at Great Bend, Hays, and Hutchinson

	Great Bend		Hays		Hutchinson	
	Actual	Normal	Actual	Normal	Actual	Normal
January	0.21	0.71	0.20	0.56	0.07	0.72
February	0.01	0.89	0.00	0.81	0.07	1.12
March	1.88	1.56	1.21	1.32	1.60	2.21
April	0.39	2.15	0.42	2.13	0.81	2.51
May	4.57	4.83	3.40	3.60	6.88	4.67
June	2.62	3.66	1.41	3.03	2.68	4.58
July	1.05	3.86	1.77	3.95	1.70	3.65
August	1.45	3.69	1.39	3.47	0.27	3.56
September	1.29	1.98	2.12	2.13	1.44	2.48
October	0.21	1.96	0.17	1.68	0.44	2.38
November	1.74	1.00	0.22	0.90	1.49	1.28
December	0.53	1.01	0.66	0.86	0.98	1.13
Annual	15.95	27.30	12.97	24.44	18.43	30.29
Last Spring Freeze	4/26/2022		4/26/2022		4/26/2022	
First Fall Freeze	10/17/2022		10/17/2022		10/17/2022	
Frost Free Days	173		173		173	
Number of Days $\geq 90^{\circ}\text{F}$	96		87		91	
Number of Days $\geq 100^{\circ}\text{F}$	19		26		19	
Number of Days $< 10^{\circ}\text{F}$	21		31		19	

Table 3. Precipitation at Kiro, Leoti, and Manhattan

	Kiro		Leoti		Manhattan	
	Actual	Normal	Actual	Normal	Actual	Normal
January	0.09	0.89	0.20	0.38	0.27	0.64
February	0.07	1.31	0.00	0.51	0.08	1.14
March	3.61	2.25	0.22	1.27	2.23	2.17
April	1.35	3.81	0.59	1.95	1.01	3.38
May	10.61	5.17	2.31	2.31	9.08	5.23
June	3.23	4.92	1.34	2.58	6.08	5.47
July	2.99	3.99	4.08	2.87	5.04	4.62
August	1.75	4.55	1.89	3.11	1.31	4.40
September	1.31	3.52	0.58	1.40	2.29	3.41
October	1.19	2.85	0.02	1.66	1.18	2.50
November	3.02	1.78	0.00	0.64	3.57	1.62
December	0.55	1.49	0.02	0.60	1.17	1.19
Annual	29.77	36.53	11.25	19.28	33.31	35.77
Last Spring Freeze	4/26/2022		4/25/2022		4/26/2022	
First Fall Freeze	10/14/2022		10/17/2022		10/18/2022	
Frost Free Days	170		174		174	
Number of Days $\geq 90^{\circ}\text{F}$	59		84		60	
Number of Days $\geq 100^{\circ}\text{F}$	2		19		4	
Number of Days $< 10^{\circ}\text{F}$	24		28		23	

Table 4. Precipitation at Ottawa, Rossville, and Scandia

	Ottawa, ECK		Rossville, KRV		Scandia	
	Actual	Normal	Actual	Normal	Actual	Normal
January	0.05	1.22	0.14	0.89	0.05	0.61
February	0.33	1.57	0.08	1.31	0.00	0.97
March	3.00	2.29	3.59	2.25	1.78	1.49
April	1.59	3.79	1.45	3.81	1.37	2.75
May	8.28	5.82	10.05	5.17	3.99	4.57
June	2.76	5.55	3.64	4.92	2.65	4.34
July	5.36	3.75	3.07	3.99	4.35	4.46
August	1.76	4.63	1.79	4.55	1.43	3.72
September	1.29	4.05	1.54	3.52	1.52	3.12
October	0.91	3.08	1.42	2.85	0.85	2.50
November	4.31	2.39	3.44	1.78	0.66	1.15
December	1.42	1.71	0.65	1.49	0.72	0.92
Annual	31.06	39.85	30.86	36.53	19.37	30.60
Last Spring Freeze	4/26/2022		4/26/2022		5/22/2022	
First Fall Freeze	10/17/2022		10/15/2022		10/17/2022	
Frost Free Days	173		171		147	
Number of Days $\geq 90^{\circ}\text{F}$	57		49		51	
Number of Days $\geq 100^{\circ}\text{F}$	0		0		1	
Number of Days $< 10^{\circ}\text{F}$	20		26		40	

Table 5. Precipitation at Solomon and Topeka

	Solomon		Topeka, KRV	
	Actual	Normal	Actual	Normal
January	0.15	0.86	0.09	0.89
February	0.03	1.43	0.07	1.31
March	1.70	2.23	3.61	2.25
April	0.64	3.26	1.35	3.81
May	7.85	5.20	10.61	5.17
June	3.14	4.18	3.23	4.92
July	3.55	4.75	2.99	3.99
August	1.47	4.27	1.75	4.55
September	2.79	2.54	1.31	3.52
October	0.60	2.47	1.19	2.85
November	2.23	1.59	3.02	1.78
December	0.68	1.50	0.55	1.49
Annual	24.83	34.28	29.77	36.53
Last Spring Freeze	5/1/2022		4/26/2022	
First Fall Freeze	10/17/2022		10/14/2022	
Frost Free Days	168		170	
Number of Days $\geq 90^{\circ}\text{F}$	78		59	
Number of Days $\geq 100^{\circ}\text{F}$	18		2	
Number of Days $< 10^{\circ}\text{F}$	25		24	

Table 6. Location references per field locations

Field Location	Mesonet Site	Normals Site
Ashland Bottoms	Ashland Bottoms	Manhattan (MHTK1)
Belleville	Belleville 2W	Belleville (BLVK1)
Great Bend	St. John 1NW	Great Bend 3W (GRBK1)
Hays	Hays	Hays 1S (HASK1)
Hutchinson	Hutchinson 10SW	Hutchinson 10SW (HINK1)
Kiro	Silver Lake 4E	Topeka ASOS (TOP)
Leoti	Leoti	Leoti (LEOK1)
Manhattan	Manhattan	Manhattan (MHTK1)
Ottawa, ECK	Ottawa 2SE	Ottawa (OTTK1)
Rossville, KRV	Rossville 2SE	Topeka ASOS (TOP)
Scandia	Scandia	Belleville (BLVK1)
Solomon	Gypsum	Abilene (ABLK1)
Topeka, KRV	Silver Lake 4E	Topeka ASOS (TOP)