

## TUCSON: CAMPUS AGRICULTURAL CENTER JANUARY NORMALS

<u>DAY</u>	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	20	1	10	89	28	62	0	12.2	9	1.5	2	2	2.2
2	19	2	10	91	28	60	0	10.4	9	1.8	2	4	2.0
3	19	2	10	88	29	59	0	10.0	9	2.0	2	6	2.0
4	19	3	10	88	35	63	1	10.8	9	1.7	2	8	2.0
5	18	4	10	88	37	64	2	9.5	9	2.0	2	10	1.7
6	16	2	9	93	41	70	1	10.3	9	1.8	1	11	1.7
7	17	0	8	91	31	64	-1	11.8	8	1.7	1	12	2.1
8	18	0	8	89	30	63	-1	12.1	8	1.7	2	14	2.1
9	18	0	8	90	31	64	-1	12.3	8	1.6	2	15	2.2
10	20	1	9	85	27	59	-2	11.9	8	2.0	2	17	2.4
11	20	2	10	84	25	57	-2	11.7	9	1.9	2	20	2.4
12	19	1	10	82	28	57	-2	11.5	9	1.9	2	22	2.4
13	19	2	10	84	31	59	-1	12.6	9	1.9	2	23	2.5
14	20	1	9	86	28	60	-2	12.3	9	1.6	2	25	2.3
15	19	1	10	87	25	57	-2	12.8	9	1.8	2	27	2.5
16	17	2	9	82	33	59	-1	10.8	9	2.0	2	29	2.2
17	18	1	9	87	34	61	-1	11.6	8	2.1	2	31	2.3
18	18	2	9	82	29	59	-2	12.3	8	1.9	2	33	2.4
19	19	1	9	84	27	58	-2	12.6	8	1.8	2	34	2.5
20	18	2	10	85	31	60	0	12.6	9	1.9	2	36	2.5
21	18	2	10	85	28	57	-1	13.0	9	1.9	2	38	2.7
22	19	2	10	85	26	56	-1	12.1	9	1.8	2	39	2.4
23	20	2	10	88	26	59	-1	13.6	9	1.5	2	42	2.6
24	21	2	11	85	18	52	-2	14.1	9	1.6	3	44	2.9
25	21	2	11	84	19	50	-2	13.2	9	2.1	3	47	3.0
26	21	2	11	84	22	51	-2	13.1	10	1.9	2	49	2.8
27	19	2	10	81	26	54	-2	12.6	10	1.8	2	51	2.6
28	19	1	10	85	28	56	-2	13.3	9	1.8	2	53	2.6
29	20	1	10	83	22	52	-3	14.9	9	2.0	2	55	3.2
30	21	2	11	75	20	45	-3	14.9	10	2.4	2	58	3.6
31	<u>20</u>	<u>2</u>	<u>11</u>	<u>82</u>	<u>21</u>	<u>50</u>	<u>-2</u>	<u>13.1</u>	<u>10</u>	<u>1.9</u>	<u>2</u>	<u>60</u>	<u>2.9</u>
AVG	19	2	10	86	28	58	-1	12.3	9	1.8	2		
SUM											60		75.5

PPT= 26.6

TX: Maximum Air Temp., Deg. C	SR: Solar Radiation, MJ/m <sup>2</sup> /Dy
TN: Minimum Air Temp., Deg. C	PPT: Precipitation, mm
TM: Mean Air Temp., Deg. C	WS: Mean Wind Speed, MPH
RHX: Maximum Relative Humidity, %	HU: Heat Units (30C/12.8C)/Day
RHN: Minimum Relative Humidity, %	CHU: HU Accumulation Since 1 Jan.
RHM: Mean Relative Humidity, %	ETo: Ref. Evapotranspiration, mm.
TD: Mean Dew Point Temp., Deg. C	AVG: Average for Month
ST10: Mean Soil Temp., 10 cm, Deg. C	SUM: Total for Month

For Years 1987-2001

**TUCSON: CAMPUS AGRICULTURAL CENTER  
FEBRUARY NORMALS**

<u>DAY</u>	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	19	3	11	83	28	57	0	13.4	10	1.8	2	62	2.6
2	20	3	11	83	26	54	-1	13.8	10	1.9	2	64	2.9
3	22	2	12	85	22	52	-2	15.3	10	1.8	3	67	3.3
4	22	3	12	79	22	51	-2	13.3	11	1.8	3	70	3.0
5	22	4	12	85	22	52	-1	15.8	11	2.2	3	73	3.6
6	21	4	12	74	21	45	-2	16.2	11	2.7	3	76	4.0
7	22	4	13	76	22	47	-2	14.5	11	2.3	3	79	3.5
8	21	5	12	80	30	56	1	12.1	11	2.0	3	82	2.6
9	21	4	12	81	26	56	0	14.8	11	1.6	3	85	3.0
10	20	4	12	81	26	53	-1	14.5	11	1.9	2	87	3.1
11	20	4	11	89	27	57	1	15.2	11	2.1	2	90	3.2
12	21	4	12	87	22	55	-1	14.8	11	2.2	3	92	3.4
13	20	5	13	81	28	53	1	14.2	11	2.5	3	95	3.3
14	19	4	12	86	31	58	1	13.8	11	2.2	2	97	3.0
15	20	3	11	86	26	56	-1	15.2	11	1.8	2	100	3.1
16	21	3	12	80	21	51	-2	15.8	11	1.9	3	102	3.4
17	21	4	12	82	22	51	-1	14.8	11	2.1	3	105	3.3
18	20	3	12	81	26	53	-1	14.5	11	2.1	2	107	3.1
19	20	4	12	82	23	52	-1	15.4	12	2.0	3	110	3.3
20	21	4	12	82	21	51	-1	15.9	12	2.0	3	113	3.5
21	21	4	12	82	25	53	0	15.9	12	1.9	3	116	3.4
22	21	3	12	81	21	50	-2	17.7	12	1.9	3	118	3.9
23	22	3	12	76	17	45	-3	16.7	12	1.9	3	122	3.7
24	22	4	13	76	19	43	-2	15.9	12	2.2	3	125	3.8
25	20	4	12	76	27	49	-1	15.3	12	2.1	3	128	3.4
26	21	5	13	78	22	49	-1	16.0	12	2.1	3	131	3.6
27	21	5	13	78	24	50	0	16.8	13	2.1	3	134	3.8
28	<u>20</u>	<u>5</u>	<u>13</u>	<u>81</u>	<u>28</u>	<u>54</u>	<u>0</u>	<u>15.9</u>	<u>13</u>	<u>2.2</u>	<u>3</u>	<u>136</u>	<u>3.5</u>
AVG	21	4	12	81	24	52	-1	15.1	11	2.0	3		
SUM											77		93.1

PPT= 25.5

TX: Maximum Air Temp., Deg. C	SR: Solar Radiation, MJ/m <sup>2</sup> /Dy
TN: Minimum Air Temp., Deg. C	PPT: Precipitation, mm
TM: Mean Air Temp., Deg. C	WS: Mean Wind Speed, MPH
RHX: Maximum Relative Humidity, %	HU: Heat Units (30C/12.8C)/Day
RHN: Minimum Relative Humidity, %	CHU: HU Accumulation Since 1 Jan.
RHM: Mean Relative Humidity, %	ETo: Ref. Evapotranspiration, mm.
TD: Mean Dew Point Temp., Deg. C	AVG: Average for Month
ST10: Mean Soil Temp., 10 cm, Deg. C	SUM: Total for Month
For Years 1987-2001	

**TUCSON: CAMPUS AGRICULTURAL CENTER  
MARCH NORMALS**

<u>DAY</u>	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	20	4	12	81	27	52	0	17.0	13	2.1	2	139	3.7
2	21	4	12	84	25	54	0	16.7	13	1.9	3	141	3.5
3	22	5	13	81	24	53	0	16.9	13	1.8	3	145	3.7
4	23	5	14	79	22	47	0	19.4	13	2.3	4	149	4.7
5	23	6	15	75	21	45	0	18.3	14	2.1	4	152	4.3
6	23	6	14	74	21	46	0	17.9	14	2.3	4	156	4.2
7	21	5	13	83	23	52	0	17.9	14	2.2	3	159	4.0
8	22	4	13	82	22	49	-1	20.0	14	1.8	3	162	4.4
9	24	4	14	82	21	48	-1	19.3	14	1.8	4	166	4.5
10	25	6	15	80	18	46	0	20.3	14	2.2	4	171	4.9
11	23	6	15	75	18	42	-1	19.9	14	2.4	4	174	5.0
12	23	5	14	74	17	42	-1	21.2	15	1.9	4	178	4.9
13	23	5	14	71	18	40	-2	19.3	14	2.4	4	182	4.7
14	24	5	15	72	17	42	-2	20.0	15	2.2	4	186	4.8
15	24	5	15	76	18	42	-1	20.4	15	2.2	4	190	5.0
16	23	6	15	76	22	46	0	20.6	15	2.0	4	194	4.8
17	24	6	15	75	19	44	0	20.9	15	2.2	4	199	5.0
18	25	6	16	77	16	41	-1	22.1	16	2.0	5	203	5.3
19	26	6	17	71	15	39	-2	21.7	16	2.2	5	208	5.6
20	27	7	17	67	15	37	-2	21.5	16	2.3	6	214	5.6
21	25	7	16	66	18	39	-1	20.3	16	2.1	5	219	5.1
22	26	7	16	68	16	38	-2	21.9	16	1.9	5	224	5.3
23	26	7	17	65	14	35	-2	23.4	16	2.3	5	230	6.1
24	26	6	17	69	13	36	-2	23.1	16	2.0	5	235	5.7
25	25	7	17	64	14	33	-2	21.5	16	2.3	5	240	5.6
26	23	7	15	74	22	46	0	17.4	15	2.5	4	244	4.1
27	23	6	15	79	21	48	0	21.4	15	2.3	4	247	5.1
28	22	7	15	73	24	45	0	21.3	15	2.5	4	251	5.2
29	22	5	14	75	23	47	-1	22.1	15	2.2	4	254	5.1
30	24	6	15	74	17	42	-2	23.8	16	2.2	4	259	5.7
31	<u>25</u>	<u>7</u>	<u>16</u>	<u>72</u>	<u>16</u>	<u>40</u>	<u>-1</u>	<u>24.4</u>	<u>16</u>	<u>2.3</u>	<u>5</u>	<u>263</u>	<u>6.0</u>
AVG	24	6	15	75	19	44	-1	20.4	15	2.2	4		
SUM											127		151.7

PPT= 21.7

TX: Maximum Air Temp., Deg. C	SR: Solar Radiation, MJ/m <sup>2</sup> /Dy
TN: Minimum Air Temp., Deg. C	PPT: Precipitation, mm
TM: Mean Air Temp., Deg. C	WS: Mean Wind Speed, MPH
RHX: Maximum Relative Humidity, %	HU: Heat Units (30C/12.8C)/Day
RHN: Minimum Relative Humidity, %	CHU: HU Accumulation Since 1 Jan.
RHM: Mean Relative Humidity, %	ETo: Ref. Evapotranspiration, mm.
TD: Mean Dew Point Temp., Deg. C	AVG: Average for Month
ST10: Mean Soil Temp., 10 cm, Deg. C	SUM: Total for Month
For Years 1987-2001	

**TUCSON: CAMPUS AGRICULTURAL CENTER  
APRIL NORMALS**

<u>DAY</u>	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	25	7	16	76	17	44	0	21.6	16	2.4	5	268	5.4
2	24	7	16	73	19	42	-1	23.7	16	2.3	4	273	5.8
3	25	7	16	74	17	41	0	24.5	17	2.2	5	277	6.1
4	25	7	17	74	20	42	0	21.8	17	2.2	5	282	5.4
5	26	8	17	75	17	40	0	23.6	17	2.5	5	287	6.0
6	26	8	17	69	16	37	-1	24.0	17	2.4	5	293	6.2
7	27	9	18	65	13	34	-1	25.1	18	2.4	6	299	6.7
8	27	8	18	66	14	33	-1	25.4	18	2.3	6	305	6.7
9	27	8	18	65	11	30	-2	26.6	18	2.4	6	311	7.1
10	27	8	18	60	11	30	-3	25.5	18	2.4	6	317	6.8
11	27	8	18	59	11	29	-3	26.3	18	2.3	6	323	6.9
12	28	8	19	54	12	28	-3	26.2	18	2.3	6	329	6.9
13	27	8	18	64	12	30	-2	25.2	18	2.2	6	335	6.6
14	28	7	18	61	13	31	-2	26.4	18	2.1	6	340	6.8
15	28	8	19	60	12	30	-2	24.7	18	2.2	6	347	6.5
16	28	9	19	57	13	29	-3	25.2	19	2.3	7	353	6.8
17	28	10	19	58	14	30	-1	24.4	19	2.3	7	360	6.6
18	29	10	20	61	12	29	-1	25.3	19	2.3	7	367	6.9
19	28	9	20	61	14	31	-1	25.0	19	2.0	7	374	6.6
20	31	9	21	59	11	27	-1	27.1	20	2.2	8	382	7.4
21	29	10	21	60	12	29	0	25.6	20	2.6	7	389	7.2
22	29	11	20	58	15	30	0	26.8	20	2.5	7	396	7.3
23	30	10	21	61	12	30	0	26.4	20	2.3	8	404	7.2
24	28	10	20	64	12	30	-1	26.9	20	2.9	7	411	7.6
25	29	10	20	62	14	30	0	26.2	19	2.5	7	418	7.2
26	30	10	21	59	13	30	0	26.8	20	2.2	7	425	7.2
27	31	11	22	63	12	29	1	25.5	20	2.2	8	433	7.0
28	30	12	22	54	10	25	-1	26.7	20	2.6	8	442	7.7
29	30	11	21	54	11	26	-1	27.8	20	2.4	8	449	7.7
30	<u>31</u>	<u>11</u>	<u>22</u>	<u>55</u>	<u>11</u>	<u>25</u>	<u>-1</u>	<u>28.3</u>	<u>20</u>	<u>2.3</u>	<u>8</u>	<u>458</u>	<u>7.9</u>
AVG	28	9	19	63	13	32	-1	25.5	19	2.3	6		
SUM											194		204.0

PPT= 10.8

TX: Maximum Air Temp., Deg. C	SR: Solar Radiation, MJ/m <sup>2</sup> /Dy
TN: Minimum Air Temp., Deg. C	PPT: Precipitation, mm
TM: Mean Air Temp., Deg. C	WS: Mean Wind Speed, MPH
RHX: Maximum Relative Humidity, %	HU: Heat Units (30C/12.8C)/Day
RHN: Minimum Relative Humidity, %	CHU: HU Accumulation Since 1 Jan.
RHM: Mean Relative Humidity, %	ETo: Ref. Evapotranspiration, mm.
TD: Mean Dew Point Temp., Deg. C	AVG: Average for Month
ST10: Mean Soil Temp., 10 cm, Deg. C	SUM: Total for Month
For Years 1987-2001	

**TUCSON: CAMPUS AGRICULTURAL CENTER  
MAY NORMALS**

<u>DAY</u>	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	30	11	21	51	12	25	-1	28.1	21	2.6	8	465	8.0
2	30	10	21	56	11	25	-2	27.7	20	2.2	8	473	7.6
3	31	11	22	50	10	23	-2	28.3	21	2.3	8	481	7.9
4	31	11	22	52	10	23	-1	28.5	21	2.4	9	490	8.1
5	31	12	23	49	10	23	-1	28.1	21	2.6	9	499	8.2
6	31	12	23	52	10	23	-1	28.6	20	2.6	9	507	8.3
7	32	12	23	51	10	24	-1	28.2	20	2.4	9	516	8.1
8	32	13	23	49	11	24	-1	28.3	21	2.5	9	525	8.2
9	32	13	23	51	11	25	0	27.1	21	2.2	9	535	7.7
10	32	13	24	54	11	26	1	26.7	21	2.6	10	545	7.9
11	32	14	24	60	11	27	2	27.9	22	2.4	10	554	8.0
12	33	14	24	52	11	25	1	27.5	22	2.2	10	564	7.8
13	33	14	25	53	12	26	2	28.6	22	2.4	10	574	8.2
14	33	15	25	47	10	23	1	29.0	23	2.5	10	585	8.6
15	33	14	24	55	10	26	1	27.6	22	2.3	10	595	8.0
16	32	14	24	60	10	27	2	27.2	22	2.3	10	605	7.8
17	33	14	24	54	10	25	1	28.9	22	2.2	10	615	8.2
18	33	15	25	53	10	24	2	27.5	22	2.3	11	625	8.0
19	33	15	25	55	11	26	2	27.7	23	2.5	10	636	8.1
20	33	15	24	56	12	28	2	25.9	22	2.3	10	646	7.4
21	34	13	25	56	10	26	1	28.7	23	2.3	10	656	8.3
22	34	14	25	55	9	23	0	29.3	23	2.1	10	666	8.4
23	34	14	25	52	11	25	1	28.3	23	2.1	10	676	8.1
24	33	15	25	56	11	26	2	28.3	23	2.3	10	687	8.1
25	32	14	24	55	12	27	2	27.7	23	2.3	10	697	8.0
26	33	14	24	57	12	27	2	29.4	23	2.1	10	706	8.2
27	34	14	26	53	11	25	2	29.3	24	2.1	11	717	8.3
28	34	16	26	53	9	23	2	28.9	24	2.3	11	728	8.5
29	34	15	26	54	10	24	2	29.2	24	2.2	11	739	8.5
30	34	15	26	48	9	22	0	29.7	24	2.3	10	750	8.7
31	<u>34</u>	<u>15</u>	<u>26</u>	<u>54</u>	<u>9</u>	<u>22</u>	<u>1</u>	<u>29.5</u>	<u>24</u>	<u>2.2</u>	<u>11</u>	<u>760</u>	<u>8.6</u>
AVG	33	13	24	53	11	25	1	28.2	22	2.3	10		
SUM											292		242.9

PPT= 4.7

TX: Maximum Air Temp., Deg. C	SR: Solar Radiation, MJ/m <sup>2</sup> /Dy
TN: Minimum Air Temp., Deg. C	PPT: Precipitation, mm
TM: Mean Air Temp., Deg. C	WS: Mean Wind Speed, MPH
RHX: Maximum Relative Humidity, %	HU: Heat Units (30C/12.8C)/Day
RHN: Minimum Relative Humidity, %	CHU: HU Accumulation Since 1 Jan.
RHM: Mean Relative Humidity, %	ETo: Ref. Evapotranspiration, mm.
TD: Mean Dew Point Temp., Deg. C	AVG: Average for Month
ST10: Mean Soil Temp., 10 cm, Deg. C	SUM: Total for Month
For Years 1987-2001	

**TUCSON: CAMPUS AGRICULTURAL CENTER  
JUNE NORMALS**

<u>DAY</u>	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	35	14	26	45	9	21	0	29.7	24	2.1	11	771	8.7
2	36	15	27	47	8	20	0	30.4	24	2.2	11	782	9.1
3	36	15	27	41	7	18	-1	30.5	24	2.2	12	794	9.2
4	36	17	28	40	8	17	0	30.7	24	2.5	12	806	9.4
5	36	16	27	41	8	18	0	29.5	24	2.4	12	818	9.1
6	35	17	27	44	9	20	1	28.9	25	2.4	12	829	8.8
7	35	16	27	50	9	21	2	27.9	24	2.2	11	841	8.4
8	35	16	27	47	10	23	1	29.2	24	2.2	11	852	8.6
9	36	16	27	48	10	22	2	29.5	24	2.1	12	864	8.7
10	36	17	28	48	9	21	2	29.5	24	2.1	12	876	8.8
11	37	17	28	44	9	20	2	29.9	25	2.1	12	888	8.9
12	36	18	28	47	10	21	3	28.6	25	2.3	13	901	8.8
13	37	17	29	43	10	20	2	29.4	25	2.5	13	913	9.1
14	37	18	29	44	9	20	2	29.1	25	2.6	13	926	9.2
15	37	18	29	45	9	19	2	29.4	25	2.5	13	939	9.2
16	37	18	29	44	9	18	2	30.1	26	2.3	13	951	9.3
17	37	18	29	43	10	21	3	28.0	26	2.3	13	964	8.6
18	38	19	30	46	10	22	4	27.6	26	2.2	13	978	8.6
19	39	19	30	48	11	23	4	28.3	26	2.2	13	991	8.7
20	38	19	29	47	12	24	4	26.5	25	2.2	13	1004	8.2
21	39	19	30	46	10	23	3	28.8	26	2.2	14	1018	8.8
22	38	18	29	43	10	21	2	29.5	25	2.2	13	1031	9.0
23	38	19	30	45	10	21	3	29.9	26	2.5	13	1044	9.4
24	39	20	31	45	9	21	4	29.0	26	2.4	14	1058	9.2
25	39	20	31	44	10	21	4	28.1	26	2.4	14	1072	9.0
26	39	20	31	46	10	22	5	28.1	26	2.3	14	1086	8.9
27	39	21	31	47	11	22	6	27.9	26	2.3	14	1101	8.9
28	39	21	31	50	12	24	6	28.0	27	2.5	14	1115	9.0
29	39	21	31	52	12	26	7	28.6	27	2.5	14	1129	9.1
30	<u>39</u>	<u>22</u>	<u>32</u>	<u>50</u>	<u>13</u>	<u>25</u>	<u>7</u>	<u>28.1</u>	<u>28</u>	<u>2.5</u>	<u>15</u>	<u>1143</u>	<u>9.1</u>
AVG	37	18	29	46	10	21	3	29.0	25	2.3	13		
SUM											383		267.8

PPT= 6.2

<b>TX:</b> Maximum Air Temp., Deg. C	<b>SR:</b> Solar Radiation, MJ/m*m/Dy
<b>TN:</b> Minimum Air Temp., Deg. C	<b>PPT:</b> Precipitation, mm
<b>TM:</b> Mean Air Temp., Deg. C	<b>WS:</b> Mean Wind Speed, MPH
<b>RHX:</b> Maximum Relative Humidity, %	<b>HU:</b> Heat Units (30C/12.8C)/Day
<b>RHN:</b> Minimum Relative Humidity, %	<b>CHU:</b> HU Accumulation Since 1 Jan.
<b>RHM:</b> Mean Relative Humidity, %	<b>ETo:</b> Ref. Evapotranspiration, mm.
<b>TD:</b> Mean Dew Point Temp., Deg. C	<b>AVG:</b> Average for Month
<b>ST10:</b> Mean Soil Temp., 10 cm, Deg. C	<b>SUM:</b> Total for Month
For Years 1987-2001	

## TUCSON: CAMPUS AGRICULTURAL CENTER JULY NORMALS

DAY	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	39	21	32	51	11	24	6	28.0	28	2.4	14	1158	9.0
2	39	21	31	52	14	28	7	27.0	28	2.4	14	1172	8.5
3	39	21	31	54	15	31	8	27.3	28	2.5	14	1187	8.6
4	39	22	31	56	15	32	9	27.0	28	2.3	15	1202	8.3
5	38	22	30	60	18	37	10	25.2	28	2.2	15	1216	7.6
6	37	22	30	63	22	38	11	24.4	28	2.3	14	1230	7.3
7	37	22	29	69	24	45	12	25.1	27	2.2	14	1245	7.3
8	37	22	30	70	22	42	12	25.7	27	2.4	14	1259	7.7
9	37	22	30	69	22	42	12	25.5	28	2.4	15	1274	7.5
10	37	22	29	69	21	43	12	25.7	28	2.2	15	1288	7.5
11	36	22	29	70	24	44	13	24.9	27	2.3	14	1302	7.2
12	37	22	30	66	18	36	11	26.9	27	2.3	15	1317	8.1
13	38	22	31	61	17	34	10	24.5	28	2.1	15	1332	7.3
14	38	22	30	63	19	36	11	25.0	27	2.5	15	1346	7.7
15	37	22	30	66	22	40	12	22.9	27	2.0	14	1361	6.7
16	37	23	30	69	19	38	13	25.1	28	2.4	15	1376	7.6
17	37	22	30	68	19	40	12	24.3	28	2.1	15	1390	7.2
18	37	23	30	67	19	40	12	25.5	28	2.1	15	1405	7.5
19	37	22	30	65	20	39	12	26.8	28	2.2	15	1420	7.9
20	37	23	30	69	22	43	13	24.8	28	2.3	15	1435	7.3
21	36	23	30	70	25	45	15	24.9	28	2.3	15	1449	7.3
22	37	22	30	73	24	44	14	25.3	28	2.2	14	1464	7.3
23	37	22	30	66	21	41	13	25.2	28	2.1	15	1479	7.3
24	37	22	30	73	22	43	13	25.4	28	2.1	14	1493	6.9
25	38	22	30	71	19	41	13	26.9	28	2.2	15	1508	7.8
26	38	23	30	72	19	42	13	25.7	28	2.2	15	1523	7.6
27	38	22	30	74	20	45	14	24.9	28	2.2	15	1537	7.3
28	37	23	30	75	22	46	14	24.0	28	2.1	15	1552	6.9
29	36	23	30	80	24	48	15	22.2	28	2.3	15	1567	6.5
30	36	23	29	79	27	51	16	23.5	28	2.1	15	1582	6.5
31	<u>37</u>	<u>23</u>	<u>30</u>	<u>79</u>	<u>23</u>	<u>47</u>	<u>16</u>	<u>23.6</u>	<u>28</u>	<u>2.0</u>	<u>15</u>	<u>1597</u>	<u>6.7</u>
AVG	37	22	30	67	20	40	12	25.3	28	2.2	15		
SUM											438		225.1

PPT= 44.9

TX: Maximum Air Temp., Deg. C	SR: Solar Radiation, MJ/m <sup>2</sup> /Dy
TN: Minimum Air Temp., Deg. C	PPT: Precipitation, mm
TM: Mean Air Temp., Deg. C	WS: Mean Wind Speed, MPH
RHX: Maximum Relative Humidity, %	HU: Heat Units (30C/12.8C)/Day
RHN: Minimum Relative Humidity, %	CHU: HU Accumulation Since 1 Jan.
RHM: Mean Relative Humidity, %	ETo: Ref. Evapotranspiration, mm.
TD: Mean Dew Point Temp., Deg. C	AVG: Average for Month
ST10: Mean Soil Temp., 10 cm, Deg. C	SUM: Total for Month
For Years 1987-2001	

## TUCSON: CAMPUS AGRICULTURAL CENTER AUGUST NORMALS

<u>DAY</u>	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	38	24	30	72	22	45	15	24.2	29	2.2	15	1612	7.0
2	38	23	30	80	24	49	16	25.1	29	2.2	15	1627	7.1
3	37	23	30	78	24	49	16	25.0	29	2.2	15	1642	7.2
4	37	24	30	79	27	50	17	22.9	28	2.3	15	1657	6.6
5	37	23	30	77	27	49	16	24.8	28	2.6	15	1672	7.3
6	37	23	30	76	25	47	16	24.7	29	2.3	15	1687	7.1
7	37	22	29	80	26	50	16	23.4	28	2.2	15	1702	6.6
8	37	23	29	81	25	50	16	23.9	28	2.4	15	1717	6.9
9	37	22	29	82	27	52	16	23.1	28	2.2	15	1731	6.4
10	36	23	29	83	29	53	17	21.7	28	1.9	15	1746	5.9
11	37	23	29	84	26	54	17	23.8	28	2.1	15	1761	6.5
12	36	22	29	81	27	51	16	24.1	28	2.1	15	1775	6.7
13	37	22	29	80	25	50	16	24.7	29	2.1	14	1790	7.0
14	36	22	28	86	28	55	17	23.3	28	2.2	14	1804	6.4
15	36	22	28	84	27	54	16	23.6	28	2.0	14	1818	6.4
16	37	22	29	80	23	50	15	24.1	28	1.9	14	1833	6.7
17	36	22	29	81	27	52	16	24.0	28	2.2	14	1847	6.7
18	36	22	29	81	27	52	16	23.3	28	2.0	15	1862	6.4
19	37	22	29	82	26	52	16	23.5	28	2.0	15	1876	6.5
20	37	22	29	81	26	51	16	23.1	28	1.8	15	1891	6.4
21	36	22	29	82	26	52	16	22.1	28	2.1	15	1906	6.2
22	37	21	29	86	24	51	16	24.7	28	2.0	14	1920	6.9
23	36	21	28	85	26	52	15	21.9	28	1.9	14	1934	6.0
24	36	21	28	81	29	53	15	22.7	28	2.2	14	1948	6.3
25	36	21	28	84	27	53	15	22.7	27	1.8	14	1961	6.1
26	36	21	28	82	28	52	15	23.0	27	1.8	14	1975	6.3
27	36	21	28	82	27	53	15	21.8	27	2.0	14	1989	6.0
28	36	21	28	85	28	55	16	22.4	27	1.9	14	2003	6.1
29	35	22	28	81	30	55	16	22.3	27	2.4	14	2017	6.3
30	35	21	28	81	28	51	15	23.4	28	2.1	14	2031	6.4
31	<u>36</u>	<u>21</u>	<u>28</u>	<u>82</u>	<u>27</u>	<u>52</u>	<u>15</u>	<u>22.3</u>	<u>28</u>	<u>2.0</u>	<u>14</u>	<u>2045</u>	<u>6.2</u>
AVG	36	22	29	81	26	51	16	23.5	28	2.1	14		
SUM											435		196.7

PPT= 44.7

TX: Maximum Air Temp., Deg. C	SR: Solar Radiation, MJ/m <sup>2</sup> /Dy
TN: Minimum Air Temp., Deg. C	PPT: Precipitation, mm
TM: Mean Air Temp., Deg. C	WS: Mean Wind Speed, MPH
RHX: Maximum Relative Humidity, %	HU: Heat Units (30C/12.8C)/Day
RHN: Minimum Relative Humidity, %	CHU: HU Accumulation Since 1 Jan.
RHM: Mean Relative Humidity, %	ETo: Ref. Evapotranspiration, mm.
TD: Mean Dew Point Temp., Deg. C	AVG: Average for Month
ST10: Mean Soil Temp., 10 cm, Deg. C	SUM: Total for Month
For Years 1987-2001	



**TUCSON: CAMPUS AGRICULTURAL CENTER  
SEPTEMBER NORMALS**

<u>DAY</u>	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	36	21	28	79	25	50	14	22.0	27	2.1	14	2059	6.3
2	35	21	28	78	26	50	14	21.4	27	2.0	14	2073	6.1
3	35	21	28	83	25	52	15	21.1	27	2.3	14	2087	6.0
4	35	20	27	81	28	52	14	21.4	27	2.1	13	2100	6.0
5	35	21	28	76	27	51	14	21.6	27	2.2	14	2114	6.1
6	36	21	28	76	23	47	13	22.9	27	2.0	14	2128	6.5
7	37	20	28	76	18	43	12	24.5	27	1.7	13	2141	6.9
8	37	19	28	72	15	39	10	24.3	27	1.8	13	2154	7.1
9	36	19	28	70	19	40	11	21.0	26	2.0	13	2168	6.1
10	36	19	28	72	21	44	12	22.0	26	1.9	13	2181	6.3
11	36	21	28	71	24	46	13	21.0	26	2.1	14	2195	6.1
12	35	20	28	78	22	46	13	22.1	26	2.2	13	2208	6.5
13	35	20	27	79	23	47	13	21.1	26	2.1	13	2221	6.0
14	34	18	26	78	23	47	11	22.3	25	1.9	12	2233	6.1
15	34	18	26	75	23	46	11	21.3	25	2.2	12	2246	6.0
16	35	18	27	73	20	43	11	22.6	25	1.8	13	2259	6.3
17	35	19	27	71	20	42	11	20.9	26	2.0	13	2272	6.0
18	34	19	26	75	20	43	11	20.6	25	1.8	12	2284	5.8
19	34	18	26	70	21	44	10	20.2	25	2.0	12	2296	5.7
20	34	18	26	71	23	43	10	21.3	25	2.1	12	2309	6.0
21	34	18	26	75	21	45	11	20.4	25	2.1	12	2321	5.8
22	34	18	26	75	20	44	10	21.3	25	2.1	12	2333	6.1
23	34	19	26	71	22	42	11	20.6	25	2.2	13	2346	6.0
24	33	19	26	71	22	46	10	19.4	25	2.3	12	2358	5.6
25	35	17	26	74	19	43	10	20.6	24	2.0	12	2370	5.9
26	35	17	26	69	16	39	8	22.2	24	1.9	12	2382	6.3
27	35	17	26	69	16	37	7	21.4	24	2.0	12	2394	6.3
28	35	16	26	65	13	35	6	21.7	24	1.9	12	2406	6.3
29	35	16	26	60	13	33	5	20.3	24	2.3	12	2418	6.3
30	<u>34</u>	<u>16</u>	<u>25</u>	<u>64</u>	<u>15</u>	<u>36</u>	<u>6</u>	<u>19.8</u>	<u>23</u>	<u>2.3</u>	<u>11</u>	<u>2429</u>	<u>6.1</u>
AVG	35	19	27	73	21	44	11	21.4	25	2.0	13		
SUM											384		184.4

PPT= 24.1

<b>TX:</b> Maximum Air Temp., Deg. C	<b>SR:</b> Solar Radiation, MJ/m <sup>2</sup> /Dy
<b>TN:</b> Minimum Air Temp., Deg. C	<b>PPT:</b> Precipitation, mm
<b>TM:</b> Mean Air Temp., Deg. C	<b>WS:</b> Mean Wind Speed, MPH
<b>RHX:</b> Maximum Relative Humidity, %	<b>HU:</b> Heat Units (30C/12.8C)/Day
<b>RHN:</b> Minimum Relative Humidity, %	<b>CHU:</b> HU Accumulation Since 1 Jan.
<b>RHM:</b> Mean Relative Humidity, %	<b>ETo:</b> Ref. Evapotranspiration, mm.
<b>TD:</b> Mean Dew Point Temp., Deg. C	<b>AVG:</b> Average for Month
<b>ST10:</b> Mean Soil Temp., 10 cm, Deg. C	<b>SUM:</b> Total for Month
For Years 1987-2001	

**TUCSON: CAMPUS AGRICULTURAL CENTER  
OCTOBER NORMALS**

<u>DAY</u>	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	33	16	25	64	17	36	6	19.8	23	2.3	11	2440	5.9
2	34	15	24	67	16	37	6	20.2	23	1.9	11	2451	5.8
3	34	16	25	62	17	37	6	19.7	23	2.0	11	2462	5.8
4	33	16	24	69	17	40	7	18.0	22	1.9	11	2473	5.2
5	33	15	24	68	16	39	6	19.6	22	1.8	11	2483	5.4
6	33	14	23	68	17	40	5	18.8	22	1.7	10	2493	5.1
7	32	14	23	69	17	40	5	19.7	22	1.8	10	2503	5.3
8	32	13	22	67	17	39	4	19.8	21	1.9	9	2512	5.4
9	32	13	23	67	15	36	4	19.8	21	2.1	10	2521	5.6
10	33	13	23	64	16	36	4	19.6	21	2.2	10	2531	5.7
11	32	12	22	65	18	36	4	18.7	21	1.9	9	2540	5.2
12	32	12	22	64	16	35	3	19.0	20	1.7	9	2549	5.1
13	32	12	22	69	14	37	4	19.1	20	1.8	9	2558	5.3
14	31	12	21	71	16	41	4	17.4	20	1.9	8	2566	4.8
15	31	12	21	72	16	41	3	18.3	19	1.8	8	2575	4.8
16	30	12	21	70	19	43	4	17.6	19	1.9	8	2583	4.7
17	30	11	20	72	17	42	3	19.2	19	1.6	8	2591	4.8
18	31	10	20	74	17	42	4	18.7	19	1.7	8	2599	4.9
19	30	11	20	70	18	43	3	17.0	19	2.1	8	2607	4.7
20	29	11	20	76	18	43	4	16.8	19	2.0	8	2614	4.4
21	28	11	20	75	23	46	5	16.0	18	2.2	7	2622	4.2
22	27	11	19	77	26	50	5	15.1	18	2.0	7	2629	3.8
23	28	11	19	77	24	50	5	16.8	18	1.7	7	2636	4.1
24	29	10	19	78	21	49	5	16.9	19	1.6	7	2644	4.1
25	28	10	19	74	20	46	4	16.3	18	1.8	7	2651	4.1
26	27	8	18	79	18	48	2	15.7	18	1.8	6	2657	3.9
27	27	9	17	77	22	50	4	14.4	17	1.9	6	2663	3.5
28	27	9	18	81	24	50	4	16.1	17	1.7	6	2669	3.8
29	27	9	17	78	22	48	3	16.0	17	1.7	6	2675	3.8
30	26	9	17	82	21	49	3	14.8	16	1.9	6	2681	3.6
<u>31</u>	<u>25</u>	<u>8</u>	<u>17</u>	<u>77</u>	<u>24</u>	<u>49</u>	<u>3</u>	<u>15.1</u>	<u>16</u>	<u>1.7</u>	<u>5</u>	<u>2686</u>	<u>3.5</u>
AVG	30	12	21	72	19	43	4	17.7	20	1.9	8		
SUM											257		146.6

PPT= 20.6

<b>TX:</b> Maximum Air Temp., Deg. C	<b>SR:</b> Solar Radiation, MJ/m <sup>2</sup> /Dy
<b>TN:</b> Minimum Air Temp., Deg. C	<b>PPT:</b> Precipitation, mm
<b>TM:</b> Mean Air Temp., Deg. C	<b>WS:</b> Mean Wind Speed, MPH
<b>RHX:</b> Maximum Relative Humidity, %	<b>HU:</b> Heat Units (30C/12.8C)/Day
<b>RHN:</b> Minimum Relative Humidity, %	<b>CHU:</b> HU Accumulation Since 1 Jan.
<b>RHM:</b> Mean Relative Humidity, %	<b>ETo:</b> Ref. Evapotranspiration, mm.
<b>TD:</b> Mean Dew Point Temp., Deg. C	<b>AVG:</b> Average for Month
<b>ST10:</b> Mean Soil Temp., 10 cm, Deg. C	<b>SUM:</b> Total for Month
For Years 1987-2001	

**TUCSON: CAMPUS AGRICULTURAL CENTER  
NOVEMBER NORMALS**

<u>DAY</u>	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	25	8	16	78	23	50	3	15.1	16	1.7	5	2692	3.5
2	25	7	16	79	23	49	3	14.4	15	1.8	5	2697	3.4
3	25	6	16	81	20	48	2	15.3	15	1.8	5	2701	3.6
4	25	7	15	76	20	48	1	14.9	15	1.9	5	2706	3.6
5	25	6	15	79	19	49	1	14.8	15	1.6	5	2711	3.3
6	26	6	16	78	21	48	1	14.6	15	1.7	5	2716	3.4
7	25	7	15	78	21	49	1	14.1	15	1.6	5	2721	3.2
8	25	6	15	79	20	50	1	15.6	15	1.6	5	2726	3.6
9	25	6	16	79	20	47	1	14.6	15	2.0	5	2731	3.6
10	26	7	16	76	20	46	2	13.7	15	1.8	6	2736	3.3
11	25	7	15	82	26	54	3	12.4	15	1.6	5	2741	2.7
12	24	6	15	83	25	55	2	12.9	14	1.9	5	2745	2.9
13	24	6	15	81	26	54	2	13.7	14	1.7	5	2750	3.0
14	24	6	15	83	24	54	2	13.5	14	1.9	5	2754	3.0
15	23	5	13	81	25	53	1	13.1	13	1.8	4	2758	2.8
16	24	3	12	80	20	52	-1	14.0	13	1.5	4	2762	3.0
17	24	3	13	79	19	49	-1	13.4	12	1.5	4	2766	2.9
18	24	4	13	77	18	48	-1	13.9	13	1.6	4	2770	3.1
19	23	4	13	77	18	47	-2	14.1	13	1.9	4	2773	3.3
20	23	4	13	80	18	47	-1	13.4	12	1.9	4	2777	3.2
21	24	3	12	81	20	51	-1	13.1	12	1.5	4	2781	2.8
22	23	4	13	79	20	49	-1	12.3	12	1.5	4	2784	2.7
23	23	4	13	82	20	49	-1	12.7	12	1.8	4	2788	2.8
24	23	3	12	81	19	49	-2	13.4	12	1.5	3	2791	2.8
25	22	3	12	79	23	52	-1	12.0	11	1.7	3	2795	2.6
26	22	3	12	77	24	50	-2	12.0	11	2.0	3	2798	2.7
27	20	1	10	80	20	50	-3	13.5	10	1.7	2	2800	2.8
28	20	1	10	79	20	48	-4	12.4	10	1.7	2	2802	2.6
29	20	1	10	74	20	45	-4	12.7	10	2.2	2	2805	2.9
30	<u>21</u>	<u>1</u>	<u>10</u>	<u>81</u>	<u>19</u>	<u>51</u>	<u>-3</u>	<u>11.8</u>	<u>10</u>	<u>1.4</u>	<u>2</u>	<u>2807</u>	<u>2.4</u>
AVG	24	5	14	79	21	50	0	13.6	13	1.7	4		
SUM											121		91.5

PPT= 16.6

<b>TX:</b> Maximum Air Temp., Deg. C	<b>SR:</b> Solar Radiation, MJ/m <sup>2</sup> /Dy
<b>TN:</b> Minimum Air Temp., Deg. C	<b>PPT:</b> Precipitation, mm
<b>TM:</b> Mean Air Temp., Deg. C	<b>WS:</b> Mean Wind Speed, MPH
<b>RHX:</b> Maximum Relative Humidity, %	<b>HU:</b> Heat Units (30C/12.8C)/Day
<b>RHN:</b> Minimum Relative Humidity, %	<b>CHU:</b> HU Accumulation Since 1 Jan.
<b>RHM:</b> Mean Relative Humidity, %	<b>ETo:</b> Ref. Evapotranspiration, mm.
<b>TD:</b> Mean Dew Point Temp., Deg. C	<b>AVG:</b> Average for Month
<b>ST10:</b> Mean Soil Temp., 10 cm, Deg. C	<b>SUM:</b> Total for Month
For Years 1987-2001	

**TUCSON: CAMPUS AGRICULTURAL CENTER  
DECEMBER NORMALS**

<u>DAY</u>	<u>TX</u>	<u>TN</u>	<u>TM</u>	<u>RHX</u>	<u>RHN</u>	<u>RHM</u>	<u>TD</u>	<u>SR</u>	<u>ST10</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	21	1	10	84	23	52	-2	12.2	10	1.5	3	2810	2.5
2	20	2	11	79	25	52	-2	11.6	10	1.8	2	2812	2.5
3	21	2	10	84	21	55	-2	12.6	10	1.7	3	2815	2.6
4	21	1	11	86	24	55	-2	11.3	10	1.6	3	2817	2.3
5	21	2	11	86	28	59	0	11.0	10	1.6	3	2820	2.1
6	21	3	11	85	25	59	0	11.8	10	1.6	3	2823	2.3
7	21	3	11	85	28	60	0	11.3	10	1.5	3	2825	2.1
8	20	3	10	82	30	58	0	10.7	10	2.1	2	2828	2.2
9	20	2	10	79	27	55	-2	12.1	10	1.8	2	2830	2.4
10	20	2	11	80	27	54	-1	10.9	10	1.8	3	2833	2.2
11	19	2	10	84	28	59	-1	11.5	10	1.8	2	2835	2.2
12	18	2	9	87	32	60	-1	10.5	9	1.8	2	2837	2.0
13	18	0	8	86	28	61	-2	11.6	9	1.5	2	2838	2.1
14	19	0	9	86	26	57	-2	12.2	8	1.7	2	2840	2.4
15	18	1	9	81	26	54	-3	10.6	8	2.0	2	2842	2.2
16	18	1	9	81	28	56	-3	10.8	8	1.8	1	2843	2.2
17	19	1	9	87	24	57	-3	10.9	8	1.6	2	2845	2.1
18	18	1	9	88	31	62	-1	11.0	8	1.6	2	2847	1.9
19	18	1	9	88	30	61	-2	10.6	8	1.7	2	2848	1.9
20	18	0	8	89	33	62	-1	11.1	8	1.7	1	2850	2.0
21	17	1	9	86	34	62	-1	10.4	8	1.8	1	2851	1.9
22	17	0	8	90	33	65	-2	10.7	8	1.7	1	2852	1.8
23	16	0	7	88	31	61	-2	11.5	7	2.1	1	2853	2.2
24	17	1	8	84	30	58	-2	11.0	8	1.8	1	2855	2.1
25	17	1	8	87	31	60	-2	11.0	8	2.0	1	2856	2.1
26	16	0	7	86	32	61	-2	10.5	7	1.5	1	2857	1.8
27	18	0	8	87	27	59	-2	11.7	8	1.5	2	2859	2.1
28	19	2	9	89	32	63	0	10.8	8	1.5	2	2861	1.9
29	19	2	10	90	32	63	0	10.3	9	1.5	2	2863	1.7
30	18	2	9	87	33	63	0	11.6	9	1.6	2	2864	2.0
<u>31</u>	<u>19</u>	<u>2</u>	<u>9</u>	<u>89</u>	<u>32</u>	<u>64</u>	<u>1</u>	<u>11.3</u>	<u>9</u>	<u>1.4</u>	<u>2</u>	<u>2866</u>	<u>1.9</u>
AVG	19	1	9	85	29	59	-1	11.2	9	1.7	2		
SUM											59		66.0

PPT= 28.6

TX: Maximum Air Temp., Deg. C	SR: Solar Radiation, MJ/m*m/Dy
TN: Minimum Air Temp., Deg. C	PPT: Precipitation, mm
TM: Mean Air Temp., Deg. C	WS: Mean Wind Speed, MPH
RHX: Maximum Relative Humidity, %	HU: Heat Units (30C/12.8C)/Day
RHN: Minimum Relative Humidity, %	CHU: HU Accumulation Since 1 Jan.
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For Years 1987-2001	