

MARANA 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	67	36	49	85	33	61	33	285	50	4.8	4	4	0.09
2	67	37	49	87	32	61	33	243	50	5.8	4	7	0.08
3	65	37	50	87	33	63	33	241	50	5.2	3	11	0.08
4	66	38	50	84	41	65	35	256	51	5.1	4	14	0.08
5	65	40	52	81	39	63	35	234	52	6.3	3	18	0.08
6	61	37	48	87	42	68	33	242	51	5.7	2	19	0.07
7	63	34	47	86	35	65	31	281	49	5.0	3	22	0.08
8	65	34	48	83	34	62	31	291	49	5.8	3	25	0.09
9	65	35	48	83	34	62	31	290	49	5.2	3	28	0.09
10	68	37	50	81	30	58	31	283	50	6.1	4	32	0.10
11	67	38	51	78	31	58	31	272	50	6.1	4	36	0.10
12	66	37	50	78	31	58	30	280	50	6.3	4	39	0.10
13	65	38	50	79	37	60	33	296	50	6.2	3	43	0.10
14	67	36	49	82	33	61	31	293	50	5.4	4	46	0.10
15	68	36	50	79	29	57	30	295	50	5.2	4	50	0.10
16	65	38	50	79	32	58	31	270	50	5.6	4	54	0.09
17	65	36	50	84	36	61	32	276	50	6.8	4	57	0.10
18	66	37	49	80	32	59	31	292	50	6.2	4	61	0.10
19	67	37	50	77	30	56	30	317	50	5.7	4	65	0.11
20	65	38	50	81	33	60	33	293	51	5.5	3	69	0.10
21	66	37	50	80	30	57	31	307	51	5.3	3	72	0.11
22	66	37	50	82	31	57	32	283	51	5.3	3	75	0.10
23	68	37	51	83	26	59	31	331	52	5.2	4	79	0.11
24	70	38	52	79	22	51	30	331	52	5.8	5	84	0.12
25	69	37	51	80	23	51	30	304	52	6.4	4	89	0.12
26	67	39	52	77	26	53	31	313	52	5.6	4	92	0.11
27	65	38	51	77	30	55	31	300	52	6.0	3	96	0.11
28	66	36	49	80	30	57	30	325	52	5.6	4	99	0.11
29	67	35	50	81	24	52	29	361	52	5.7	4	103	0.13
30	69	36	51	73	21	47	27	349	52	5.5	4	108	0.13
<u>31</u>	<u>71</u>	<u>37</u>	<u>52</u>	<u>76</u>	<u>19</u>	<u>46</u>	<u>28</u>	<u>335</u>	<u>52</u>	<u>6.2</u>	<u>5</u>	<u>113</u>	<u>0.13</u>
AVG	66	37	50	81	31	58	31	292	51	5.7	4		
SUM											113		3.13

PPT= 1.09

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langleys/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month

For Years 1987-2001

**MARANA 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	67	38	51	77	29	55	31	315	53	5.6	4	116	0.11
2	69	39	52	78	27	54	32	329	53	5.9	5	121	0.12
3	71	38	53	81	25	54	31	361	53	5.9	5	126	0.13
4	71	40	54	79	25	52	32	314	54	6.3	5	132	0.13
5	71	40	54	79	26	54	33	362	55	5.7	6	137	0.14
6	71	39	54	77	23	50	30	386	54	6.4	6	143	0.15
7	71	40	54	77	25	51	32	341	54	6.5	6	149	0.14
8	69	41	54	80	35	59	35	284	54	6.4	5	154	0.11
9	70	41	54	79	29	57	33	367	55	5.3	5	159	0.13
10	68	40	53	76	31	55	31	348	55	5.7	5	163	0.13
11	68	39	52	85	29	58	33	358	55	5.4	4	168	0.12
12	70	40	53	81	24	56	31	355	54	6.2	5	173	0.13
13	68	42	54	81	31	58	35	322	55	6.4	5	177	0.12
14	67	40	53	82	35	61	34	319	55	5.5	4	181	0.11
15	67	39	52	82	31	58	32	365	55	5.4	4	186	0.12
16	70	40	54	76	25	52	31	377	55	6.0	6	191	0.14
17	69	41	55	76	27	53	32	349	55	6.3	5	197	0.13
18	68	41	54	75	31	55	32	366	55	6.5	5	201	0.14
19	71	40	54	79	24	54	31	387	56	6.2	6	207	0.14
20	71	41	55	79	27	54	33	393	56	6.0	6	213	0.15
21	71	41	55	79	29	54	34	391	56	5.5	6	218	0.14
22	71	40	54	76	27	52	32	413	57	5.3	5	224	0.15
23	72	39	55	71	20	46	28	411	56	5.7	6	229	0.16
24	73	41	56	67	20	43	28	393	57	6.4	6	236	0.16
25	71	41	55	70	24	46	30	385	56	6.3	6	242	0.15
26	72	42	56	72	22	48	30	387	57	5.9	6	248	0.15
27	72	42	57	74	23	48	31	417	57	6.7	7	255	0.17
<u>28</u>	<u>69</u>	<u>43</u>	<u>55</u>	<u>78</u>	<u>28</u>	<u>55</u>	<u>33</u>	<u>387</u>	<u>57</u>	<u>6.5</u>	<u>5</u>	<u>260</u>	<u>0.15</u>
AVG	70	40	54	77	27	53	32	364	55	6.0	5		
SUM											147		3.83

PPT= 1.25

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langleys/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month
For Years 1987-2001			

MARANA 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	69	42	55	76	29	54	33	404	57	6.0	5	265	0.15
2	70	41	55	80	26	55	32	395	57	5.5	5	270	0.14
3	73	42	56	76	26	52	33	406	57	6.1	7	277	0.16
4	74	43	57	75	24	49	33	456	58	6.2	7	284	0.18
5	74	43	58	74	22	47	33	441	59	6.6	7	291	0.18
6	73	43	57	72	24	49	32	435	60	6.3	6	297	0.17
7	70	41	55	78	26	54	32	428	59	6.2	5	302	0.16
8	72	40	56	77	24	51	31	488	59	5.2	6	309	0.18
9	76	42	58	72	23	48	31	469	59	5.2	8	316	0.18
10	77	43	59	74	19	47	31	481	60	5.8	8	325	0.20
11	75	43	58	70	21	44	31	478	60	7.0	8	332	0.20
12	74	42	57	71	20	45	31	524	60	5.6	7	340	0.20
13	73	42	57	71	20	44	30	458	60	6.2	7	347	0.19
14	74	42	57	71	20	46	30	475	60	5.6	7	354	0.19
15	76	43	59	70	19	43	30	494	61	6.4	8	362	0.21
16	76	45	59	71	21	45	32	500	62	5.7	8	370	0.20
17	76	45	60	69	21	45	33	491	62	5.4	9	379	0.20
18	78	45	61	69	18	42	32	525	63	5.9	9	389	0.22
19	81	44	62	64	16	39	30	521	63	5.9	10	399	0.22
20	83	47	64	63	15	37	31	518	64	7.2	12	411	0.24
21	79	47	62	62	19	40	31	504	63	6.3	10	421	0.22
22	81	47	63	62	16	38	30	559	64	6.2	11	432	0.24
23	81	47	63	60	16	36	30	549	65	7.1	11	443	0.25
24	81	46	63	62	15	37	29	555	65	6.0	10	453	0.24
25	80	46	63	59	14	33	28	533	65	7.0	10	463	0.25
26	73	46	59	72	26	49	34	397	63	6.8	7	470	0.16
27	74	45	59	77	24	52	34	521	62	6.6	8	478	0.21
28	74	45	59	73	26	49	34	509	62	7.0	8	486	0.21
29	74	44	58	76	27	52	34	516	62	5.8	7	493	0.20
30	76	45	60	73	19	47	32	583	63	6.0	9	502	0.23
<u>31</u>	<u>76</u>	<u>46</u>	<u>61</u>	<u>71</u>	<u>21</u>	<u>45</u>	<u>33</u>	<u>573</u>	<u>64</u>	<u>6.2</u>	<u>9</u>	<u>510</u>	<u>0.24</u>
AVG	76	44	59	71	21	46	32	490	61	6.2	8		
SUM											250		6.20

PPT= 0.79

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langleys/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month

For Years 1987-2001

MARANA 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	77	46	60	72	22	49	34	511	63	7.0	9	519	0.22
2	75	46	60	73	23	47	34	570	63	6.9	8	528	0.23
3	77	45	61	73	19	46	33	586	65	5.7	9	537	0.24
4	78	47	63	71	20	45	33	543	65	6.0	10	547	0.23
5	79	48	64	68	21	43	35	567	66	6.5	11	557	0.24
6	81	47	64	70	17	41	33	597	66	5.9	11	568	0.25
7	81	48	64	65	16	39	32	600	67	6.2	11	579	0.26
8	82	48	65	62	16	36	32	609	67	6.3	12	591	0.27
9	82	48	65	60	14	34	30	637	68	6.5	12	602	0.28
10	80	48	64	57	14	34	28	622	68	6.7	11	613	0.28
11	82	48	64	55	13	32	28	626	68	6.6	11	625	0.28
12	83	47	65	55	13	32	28	623	68	6.2	12	637	0.28
13	81	48	64	63	14	33	31	596	68	5.7	12	648	0.26
14	82	47	65	60	14	34	31	641	68	6.0	12	660	0.28
15	83	49	65	60	14	33	31	583	68	5.9	12	672	0.26
16	84	49	67	59	14	32	30	618	68	6.9	13	684	0.29
17	83	49	66	62	16	35	32	599	68	6.4	12	697	0.27
18	84	50	67	63	16	35	33	602	69	6.1	13	709	0.27
19	84	49	67	61	16	35	32	614	69	5.5	13	722	0.27
20	88	50	69	54	11	29	30	660	70	7.0	14	736	0.32
21	86	52	69	55	13	30	31	614	71	7.3	14	750	0.30
22	84	52	68	56	16	33	33	644	70	6.4	14	764	0.29
23	86	52	69	60	13	31	33	650	70	6.9	14	779	0.31
24	84	50	67	61	13	32	32	648	70	7.2	12	791	0.31
25	85	49	67	60	15	33	32	661	70	6.4	13	804	0.30
26	85	51	69	54	14	30	32	645	70	5.9	13	817	0.29
27	89	53	71	50	12	28	31	666	71	6.0	16	833	0.31
28	87	52	71	47	11	23	29	665	72	7.2	15	847	0.33
29	86	52	70	45	11	24	28	687	72	6.2	14	862	0.32
<u>30</u>	<u>88</u>	<u>52</u>	<u>71</u>	<u>42</u>	<u>11</u>	<u>24</u>	<u>28</u>	<u>685</u>	<u>73</u>	<u>6.8</u>	<u>15</u>	<u>877</u>	<u>0.33</u>
AVG	83	49	66	60	15	34	31	619	68	6.4	12		
SUM											367		8.36

PPT= 0.46

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langleys/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month
For Years 1987-2001			

MARANA 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	87	54	70	42	12	25	28	685	73	6.8	15	892	0.33
2	88	52	70	45	12	24	28	672	73	6.4	15	907	0.32
3	89	53	72	43	11	23	28	673	73	6.6	16	922	0.33
4	90	54	73	41	11	23	28	687	74	6.9	17	939	0.34
5	90	54	73	47	11	25	30	683	74	6.8	16	955	0.34
6	89	54	72	44	12	24	29	684	74	6.2	16	971	0.33
7	90	54	73	46	11	25	30	685	74	6.1	16	988	0.33
8	91	55	74	46	12	25	31	688	74	7.0	17	1005	0.35
9	91	56	74	42	11	23	30	644	75	6.6	18	1023	0.33
10	92	56	74	46	11	24	31	649	75	7.0	18	1040	0.33
11	91	56	74	48	11	26	32	666	75	6.4	17	1058	0.33
12	92	57	75	46	10	24	32	678	76	6.3	18	1076	0.34
13	93	57	76	45	12	25	32	695	76	6.7	18	1094	0.35
14	93	58	77	39	11	22	31	701	76	6.7	19	1113	0.36
15	93	57	76	44	10	22	31	693	75	6.3	19	1132	0.35
16	91	57	75	47	11	25	32	650	75	6.3	18	1150	0.32
17	93	57	76	45	10	24	31	684	75	6.2	18	1168	0.34
18	94	58	77	45	10	23	33	667	76	6.2	19	1188	0.33
19	93	58	77	47	11	25	34	662	76	6.5	19	1207	0.33
20	93	58	76	47	12	26	34	652	77	6.0	19	1226	0.32
21	95	58	77	43	10	23	31	692	77	6.5	19	1245	0.35
22	95	57	77	40	9	21	29	700	76	6.4	19	1264	0.36
23	95	58	78	42	11	23	31	683	77	6.2	19	1283	0.34
24	94	60	77	48	11	26	34	676	77	6.2	20	1303	0.34
25	93	58	77	48	12	26	34	690	77	6.7	19	1322	0.35
26	94	58	77	49	12	26	34	712	77	5.6	19	1341	0.34
27	97	60	80	48	10	25	35	703	77	6.4	21	1362	0.36
28	97	61	80	45	10	23	34	687	79	6.9	21	1383	0.36
29	96	59	78	48	11	25	34	705	79	6.7	20	1402	0.36
30	96	59	79	39	9	21	31	707	78	6.4	20	1422	0.36
<u>31</u>	<u>96</u>	<u>59</u>	<u>79</u>	<u>40</u>	<u>9</u>	<u>20</u>	<u>31</u>	<u>705</u>	<u>78</u>	<u>5.9</u>	<u>20</u>	<u>1442</u>	<u>0.35</u>
AVG	93	57	76	45	11	24	31	682	76	6.5	18		
SUM											565		10.56

PPT= 0.17

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langleys/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month
For Years 1987-2001			

MARANA 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	97	59	79	39	9	21	31	712	79	5.8	20	1462	0.36
2	99	61	81	38	8	19	31	734	80	6.6	21	1483	0.39
3	99	60	81	33	8	17	29	732	79	6.6	21	1504	0.39
4	99	62	82	31	8	17	28	736	80	6.4	21	1526	0.39
5	99	61	82	31	8	16	28	708	80	7.0	21	1547	0.39
6	98	62	81	33	9	17	30	711	80	7.3	21	1568	0.39
7	97	60	80	36	9	20	30	681	79	6.8	21	1589	0.36
8	97	61	80	39	10	22	32	698	79	6.6	21	1610	0.36
9	99	62	81	38	10	20	32	716	79	6.0	22	1632	0.37
10	100	62	82	37	9	20	32	703	80	6.0	22	1654	0.37
11	101	63	83	35	8	18	31	720	81	6.2	23	1676	0.38
12	99	64	83	35	9	19	32	678	81	6.8	23	1699	0.37
13	100	64	83	37	9	20	33	689	81	7.0	23	1722	0.38
14	100	64	83	36	9	19	33	716	80	7.3	23	1745	0.40
15	101	65	84	32	9	17	33	701	81	6.7	23	1769	0.38
16	101	64	84	34	9	18	33	729	80	6.6	23	1792	0.39
17	101	65	84	38	10	20	35	668	80	6.0	24	1815	0.36
18	102	66	84	44	10	24	38	659	81	5.4	24	1840	0.34
19	103	68	86	42	10	23	38	691	82	6.3	25	1865	0.37
20	102	68	86	45	13	25	40	645	81	6.5	25	1890	0.35
21	103	67	86	44	11	24	38	696	82	6.2	25	1915	0.37
22	102	65	85	37	10	21	35	709	82	5.9	24	1938	0.37
23	103	67	86	39	11	22	37	708	83	6.5	25	1963	0.38
24	104	69	87	38	10	21	37	706	83	6.0	25	1988	0.38
25	104	67	87	42	9	22	38	693	83	6.3	25	2013	0.38
26	104	68	87	39	10	21	37	681	84	5.9	25	2039	0.37
27	104	71	88	43	10	22	41	674	84	5.9	26	2065	0.36
28	103	71	87	44	12	26	41	683	85	5.7	26	2091	0.36
29	104	71	88	47	12	27	43	691	85	5.9	26	2117	0.36
30	104	72	89	48	12	27	44	680	85	6.0	27	2144	0.36
AVG	101	65	84	39	10	21	35	698	81	6.3	23		
SUM											702		11.15

PPT= 0.14

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langley's/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month

For Years 1987-2001

MARANA AGRICULTURAL CENTER JULY 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	104	72	89	43	11	24	42	672	84	5.7	27	2170	0.36
2	104	71	88	51	13	28	45	662	83	6.2	26	2197	0.35
3	103	72	88	52	14	30	47	674	83	6.5	27	2224	0.36
4	104	71	87	59	13	32	48	680	84	5.9	26	2250	0.35
5	102	72	87	60	18	38	50	614	85	5.5	26	2277	0.31
6	99	72	86	65	24	42	53	575	85	5.8	26	2303	0.29
7	100	72	85	71	24	48	56	612	85	5.6	26	2329	0.29
8	100	73	86	68	23	45	55	632	84	6.0	27	2356	0.31
9	99	72	85	73	23	45	56	617	85	5.9	26	2382	0.30
10	100	72	85	76	21	47	57	622	85	5.8	26	2408	0.30
11	99	72	85	73	25	48	57	611	85	5.5	26	2435	0.29
12	100	71	86	68	18	40	53	647	86	5.3	26	2461	0.31
13	101	72	87	61	17	37	52	579	86	4.8	27	2487	0.28
14	101	72	86	64	18	38	53	616	87	5.6	27	2514	0.30
15	100	71	86	64	22	43	53	598	86	5.3	26	2540	0.29
16	100	73	87	67	19	39	54	622	86	5.7	27	2567	0.31
17	100	72	86	68	19	41	55	593	86	5.8	27	2594	0.29
18	100	72	85	71	20	44	55	596	86	5.5	26	2620	0.28
19	100	72	86	70	20	43	55	652	85	5.9	26	2647	0.31
20	99	73	86	73	22	47	58	599	85	6.3	27	2673	0.29
21	100	74	86	73	24	47	59	622	86	5.3	27	2701	0.29
22	99	72	85	72	25	47	57	616	86	5.2	26	2727	0.29
23	100	72	86	70	21	45	56	613	86	5.4	26	2753	0.29
24	100	72	85	70	23	47	56	621	87	5.3	26	2779	0.29
25	102	71	86	71	21	44	56	644	87	5.4	26	2806	0.31
26	101	73	86	72	19	45	56	627	86	5.3	27	2833	0.30
27	102	72	86	70	21	45	56	615	86	5.8	27	2859	0.30
28	101	73	86	74	21	47	57	581	85	5.3	27	2886	0.28
29	100	74	85	77	24	50	60	554	86	5.4	27	2913	0.26
30	99	73	85	81	26	54	61	595	86	5.0	27	2940	0.27
<u>31</u>	<u>101</u>	<u>73</u>	<u>86</u>	<u>79</u>	<u>23</u>	<u>50</u>	<u>61</u>	<u>618</u>	<u>86</u>	<u>5.2</u>	<u>27</u>	<u>2967</u>	<u>0.29</u>
AVG	101	72	86	68	20	43	55	619	85	5.6	27		
SUM											823		9.34

PPT= 1.38

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langleys/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month
For Years 1987-2001			

MARANA 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	102	74	87	76	20	46	59	621	86	5.5	28	2995	0.30
2	101	74	86	76	24	50	60	622	86	5.3	27	3022	0.29
3	101	74	86	77	23	50	60	612	86	5.6	27	3049	0.29
4	100	74	85	79	26	52	61	565	86	5.5	27	3076	0.26
5	100	73	86	76	25	48	60	606	86	5.7	27	3103	0.29
6	100	73	86	74	25	47	59	614	86	5.7	27	3130	0.29
7	100	72	84	80	24	52	60	584	86	5.6	26	3156	0.27
8	99	71	84	87	26	56	62	581	85	5.3	26	3182	0.27
9	98	72	84	86	28	58	63	560	85	5.3	26	3209	0.25
10	99	73	84	85	27	58	63	557	86	5.0	27	3235	0.25
11	100	72	85	87	26	57	63	588	86	5.1	27	3262	0.27
12	99	72	84	82	27	55	62	579	86	5.1	26	3288	0.26
13	99	71	84	83	27	55	61	601	86	5.6	26	3314	0.27
14	98	72	83	86	32	59	64	541	85	5.8	26	3340	0.24
15	98	72	83	86	31	59	64	574	85	5.0	26	3366	0.25
16	100	72	84	83	27	56	62	593	86	5.1	26	3392	0.26
17	99	72	84	86	29	58	63	586	86	5.3	26	3418	0.26
18	98	73	84	84	27	57	63	573	86	5.3	27	3445	0.26
19	98	72	83	87	29	59	64	574	86	5.4	26	3471	0.26
20	99	72	84	86	28	58	64	563	85	4.6	26	3498	0.25
21	99	73	84	83	29	57	64	575	86	5.5	27	3524	0.26
22	99	71	84	87	26	56	62	590	86	5.3	26	3550	0.26
23	98	70	83	86	26	58	60	547	84	5.1	25	3575	0.24
24	98	70	83	83	28	58	61	557	84	5.6	25	3601	0.25
25	99	70	83	84	27	57	61	578	84	4.6	25	3626	0.25
26	98	71	83	84	29	58	61	555	85	4.3	25	3652	0.24
27	96	71	82	86	33	62	63	509	84	5.0	25	3677	0.22
28	98	70	82	86	31	62	63	558	84	5.0	25	3702	0.24
29	96	71	82	87	32	62	63	538	84	5.7	25	3728	0.24
30	97	71	82	85	30	59	63	544	84	5.2	26	3753	0.24
<u>31</u>	<u>96</u>	<u>71</u>	<u>82</u>	<u>86</u>	<u>31</u>	<u>60</u>	<u>63</u>	<u>527</u>	<u>84</u>	<u>5.1</u>	<u>25</u>	<u>3779</u>	<u>0.23</u>
AVG	99	72	84	83	27	56	62	573	85	5.3	26		
SUM											811		8.02

PPT= 2.17

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langley's/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month

For Years 1987-2001

MARANA 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	97	70	82	82	27	57	60	515	84	5.3	25	3804	0.23
2	96	69	82	84	29	58	61	521	84	4.9	25	3829	0.23
3	96	68	81	88	29	58	61	505	84	5.3	24	3853	0.23
4	96	69	81	83	30	59	59	520	83	5.1	24	3877	0.23
5	96	68	81	84	29	58	59	542	83	5.1	24	3902	0.24
6	97	68	81	81	25	55	58	556	83	4.9	25	3926	0.25
7	99	67	82	81	21	51	56	586	84	4.7	24	3950	0.27
8	99	66	81	76	18	47	53	582	83	4.9	24	3974	0.27
9	99	66	81	73	20	46	53	521	83	5.7	24	3998	0.25
10	98	67	81	77	23	50	55	527	83	5.3	24	4022	0.24
11	98	69	81	77	24	51	56	518	83	5.7	25	4047	0.25
12	97	67	81	79	23	50	56	551	83	5.9	24	4071	0.27
13	96	66	80	80	24	51	56	515	83	5.9	23	4094	0.24
14	94	64	78	78	23	51	53	536	82	5.1	22	4116	0.24
15	95	65	79	76	25	50	54	512	82	5.2	22	4139	0.24
16	97	66	80	76	21	48	53	547	82	5.1	23	4162	0.26
17	96	65	80	77	23	48	55	504	81	5.2	23	4185	0.24
18	95	65	79	77	22	48	53	494	81	4.8	23	4207	0.23
19	95	65	78	73	23	48	52	497	80	5.4	22	4230	0.23
20	95	65	79	71	23	47	52	515	80	5.7	23	4252	0.24
21	94	64	78	74	23	49	52	481	80	5.5	22	4274	0.23
22	95	64	78	77	22	48	52	516	80	5.3	22	4296	0.24
23	95	63	78	75	23	47	52	501	79	5.0	22	4318	0.23
24	93	65	78	74	24	50	52	464	79	5.1	22	4340	0.22
25	95	64	78	73	20	46	51	496	79	5.5	22	4362	0.24
26	96	64	79	69	17	41	48	529	79	5.6	22	4384	0.26
27	96	63	79	64	17	39	46	511	78	5.4	22	4406	0.25
28	97	61	78	63	15	36	44	521	78	5.2	21	4428	0.26
29	97	61	78	58	14	35	43	491	78	5.7	21	4449	0.25
<u>30</u>	<u>94</u>	<u>61</u>	<u>77</u>	<u>64</u>	<u>16</u>	<u>39</u>	<u>44</u>	<u>471</u>	<u>77</u>	<u>5.5</u>	<u>20</u>	<u>4469</u>	<u>0.24</u>
AVG	96	65	80	75	23	49	53	518	81	5.3	23		
SUM											691		7.28

PPT= 0.55

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langleys/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month
For Years 1987-2001			

**MARANA 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	93	60	76	64	18	39	44	469	76	5.4	20	4489	0.23
2	94	61	77	61	17	37	43	485	76	5.5	21	4510	0.24
3	94	61	77	62	18	38	44	478	76	5.8	21	4530	0.24
4	94	61	76	64	18	40	44	447	75	5.3	20	4551	0.22
5	93	60	75	63	17	40	43	481	75	5.0	20	4570	0.22
6	92	58	74	65	18	41	42	451	75	5.0	19	4589	0.21
7	91	57	73	65	19	41	42	457	74	5.3	18	4607	0.21
8	90	55	71	65	19	40	41	466	73	5.5	17	4624	0.22
9	91	56	72	62	16	38	39	472	73	5.4	17	4641	0.22
10	92	57	73	61	15	37	39	468	73	6.0	18	4659	0.23
11	91	56	72	58	17	36	38	442	73	5.6	17	4676	0.22
12	90	55	71	59	15	36	37	448	72	5.1	16	4693	0.21
13	91	55	71	62	14	37	38	449	72	5.3	17	4710	0.22
14	89	55	70	64	17	40	38	415	71	5.2	16	4726	0.19
15	88	55	70	66	18	41	39	436	70	5.8	16	4742	0.20
16	87	54	69	66	21	43	40	416	70	5.4	15	4757	0.19
17	87	52	69	66	18	42	38	452	70	4.7	15	4772	0.20
18	88	52	69	67	17	41	38	438	70	4.8	15	4788	0.20
19	87	54	69	64	19	42	39	406	70	5.9	16	4803	0.19
20	85	53	68	70	20	44	39	387	69	5.3	14	4818	0.18
21	84	53	67	73	24	47	41	382	69	6.0	14	4832	0.17
22	83	53	67	73	28	51	42	355	68	5.5	14	4846	0.15
23	84	52	67	74	26	51	42	388	68	5.4	14	4860	0.16
24	84	52	66	72	24	50	41	389	68	4.8	14	4873	0.16
25	84	52	66	68	24	47	40	388	67	5.5	14	4887	0.17
26	82	49	64	76	21	48	39	378	67	5.1	12	4899	0.16
27	80	50	63	77	27	52	41	322	66	5.2	12	4910	0.14
28	81	49	64	74	24	49	39	392	66	5.0	12	4922	0.16
29	81	50	64	72	22	47	38	389	66	5.2	12	4934	0.16
30	80	48	63	77	21	48	37	354	65	4.9	11	4945	0.15
<u>31</u>	<u>78</u>	<u>48</u>	<u>62</u>	<u>71</u>	<u>25</u>	<u>48</u>	<u>37</u>	<u>359</u>	<u>65</u>	<u>4.9</u>	<u>10</u>	<u>4955</u>	<u>0.15</u>
AVG	87	54	69	67	20	43	40	421	71	5.3	16		
SUM											486		6.00

PPT= 0.73

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langley's/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month

For Years 1987-2001

MARANA 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	78	47	61	73	24	48	36	353	64	4.9	10	4965	0.14
2	78	46	61	74	24	49	36	348	64	5.2	10	4975	0.14
3	78	45	60	75	20	48	34	368	64	5.0	9	4984	0.15
4	78	45	60	71	21	46	34	353	63	4.9	9	4993	0.15
5	79	46	60	72	20	46	34	348	63	4.9	10	5003	0.14
6	79	45	61	70	21	45	34	346	63	5.1	10	5013	0.15
7	78	45	60	68	21	46	33	349	62	5.1	9	5022	0.14
8	78	45	60	70	22	46	35	372	62	5.3	10	5032	0.16
9	79	44	60	71	20	44	34	349	62	5.4	9	5041	0.15
10	80	45	61	70	21	44	34	323	62	5.3	10	5051	0.14
11	76	46	60	74	29	52	37	302	62	5.1	8	5060	0.12
12	76	44	59	77	26	53	36	316	61	4.7	8	5068	0.12
13	76	44	59	74	26	52	35	338	61	4.9	8	5076	0.13
14	76	45	59	74	25	51	36	328	61	6.8	9	5085	0.14
15	74	42	56	74	25	50	33	321	60	5.7	7	5092	0.13
16	74	41	56	71	20	48	30	339	59	5.2	7	5099	0.13
17	75	41	56	68	18	44	29	325	58	5.7	8	5107	0.14
18	75	42	56	67	20	44	30	338	59	4.9	7	5114	0.13
19	74	39	55	71	19	45	29	340	58	5.0	7	5121	0.14
20	74	40	55	72	19	45	29	316	58	5.3	7	5128	0.13
21	74	39	55	72	21	47	30	316	57	4.7	7	5135	0.12
22	74	41	56	69	20	45	30	307	58	5.0	7	5142	0.12
23	74	39	55	71	19	44	29	310	58	5.4	7	5149	0.13
24	73	39	54	71	20	44	29	315	56	5.1	6	5155	0.12
25	72	39	54	70	24	46	29	286	56	5.2	6	5161	0.12
26	71	38	53	67	25	46	28	285	56	5.8	6	5166	0.12
27	68	35	50	70	19	47	24	311	54	4.9	4	5171	0.11
28	69	34	50	70	19	44	24	299	53	5.1	4	5175	0.12
29	69	35	50	68	20	43	24	299	53	5.5	4	5179	0.12
<u>30</u>	<u>70</u>	<u>37</u>	<u>51</u>	<u>69</u>	<u>19</u>	<u>46</u>	<u>26</u>	<u>278</u>	<u>53</u>	<u>5.2</u>	<u>5</u>	<u>5184</u>	<u>0.11</u>
AVG	75	42	57	71	21	47	31	326	59	5.2	8		
SUM											229		3.97

PPT= 0.44

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langley's/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month
For Years 1987-2001			

MARANA 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>ST4</u>	<u>WS</u>	<u>HU</u>	<u>CHU</u>	<u>ETo</u>
1	70	36	51	73	24	48	27	289	53	4.9	5	5189	0.11
2	70	38	51	70	26	48	29	283	53	5.2	5	5194	0.11
3	70	37	51	73	21	49	27	299	53	5.6	5	5199	0.11
4	70	36	51	77	26	52	30	260	53	4.9	5	5204	0.09
5	69	38	52	76	32	55	31	255	53	5.0	4	5208	0.09
6	70	39	52	77	28	56	32	275	53	5.6	5	5213	0.10
7	69	38	52	76	31	57	32	267	53	5.4	5	5218	0.09
8	68	37	51	75	31	54	30	260	52	5.4	4	5222	0.09
9	69	36	51	74	27	53	29	287	52	5.2	5	5226	0.11
10	68	37	51	74	28	52	30	261	52	5.5	4	5231	0.10
11	67	37	50	79	30	57	31	273	52	5.1	4	5235	0.09
12	65	36	49	82	31	58	31	261	52	5.3	3	5238	0.09
13	65	35	48	80	31	58	29	283	51	5.0	3	5241	0.09
14	66	34	48	79	27	56	28	280	50	4.9	3	5245	0.09
15	64	34	48	79	30	55	27	253	50	5.3	3	5248	0.09
16	64	34	48	77	31	55	28	249	49	5.2	3	5250	0.08
17	65	35	48	80	29	56	29	252	49	5.4	3	5254	0.09
18	65	36	49	80	34	59	31	269	50	5.2	3	5257	0.09
19	64	36	48	81	32	60	30	243	50	5.4	3	5259	0.08
20	64	35	47	81	38	61	31	257	49	5.1	2	5262	0.08
21	63	35	48	80	34	60	30	251	49	5.5	2	5264	0.08
22	62	34	46	83	34	61	29	254	49	5.1	2	5266	0.08
23	61	32	45	84	34	62	28	264	48	4.9	2	5268	0.08
24	64	33	46	80	31	57	28	263	48	4.8	3	5271	0.08
25	63	33	46	83	31	58	28	273	49	4.8	3	5274	0.09
26	62	34	46	77	34	59	28	255	48	5.1	2	5276	0.08
27	64	34	47	84	30	60	29	276	48	4.7	3	5279	0.08
28	65	37	49	84	35	61	32	257	49	4.9	3	5282	0.08
29	66	37	50	83	36	62	33	249	50	4.9	4	5285	0.08
30	64	36	49	83	38	63	33	275	50	4.5	3	5288	0.08
<u>31</u>	<u>67</u>	<u>37</u>	<u>50</u>	<u>83</u>	<u>35</u>	<u>62</u>	<u>33</u>	<u>271</u>	<u>50</u>	<u>5.2</u>	<u>4</u>	<u>5292</u>	<u>0.09</u>
AVG	66	36	49	79	31	57	30	266	51	5.1	3		
SUM											108		2.79

PPT= 1.15

TX:	Maximum Air Temp., Deg. F	SR:	Solar Radiation, Langleys/Day
TN:	Minimum Air Temp., Deg. F	PPT:	Precipitation, In.
TM:	Mean Air Temp., Deg. F	WS:	Mean Wind Speed, MPH
RHX:	Maximum Relative Humidity, %	HU:	Heat Units (86F/55F)/Day
RHN:	Minimum Relative Humidity, %	CHU:	HU Accumulation Since 1 Jan.
RHM:	Mean Relative Humidity, %	ETo:	Ref. Evapotranspiration, In.
TD:	Mean Dew Point Temp., Deg. F	AVG:	Average for Month
ST4:	Mean Soil Temp., 4", Deg. F	SUM:	Total for Month
For Years 1987-2001			