### Local Climatological Data
**Illinois State Water Survey Champaign-Urbana, IL - 118740**

**Water Survey Research Center**

**July 2006**

<table>
<thead>
<tr>
<th>DATE</th>
<th>TEMPERATURE</th>
<th>PRECIP (in)</th>
<th>SNOW (in)</th>
<th>WEATHER TYPES</th>
<th>WIND</th>
<th>DEGREE DAYS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Max</td>
<td>Min</td>
<td>Mean</td>
<td>Amnt Depth</td>
<td>Dir</td>
<td>Speed (mph)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>92</td>
<td>60</td>
<td>76</td>
<td>0.01</td>
<td>0.0</td>
<td>SW</td>
</tr>
<tr>
<td>2</td>
<td>94</td>
<td>70</td>
<td>82</td>
<td>0.00</td>
<td>0.0</td>
<td>SW</td>
</tr>
<tr>
<td>3</td>
<td>94</td>
<td>71</td>
<td>83</td>
<td>T</td>
<td>0.0</td>
<td>SW</td>
</tr>
<tr>
<td>4</td>
<td>84</td>
<td>67</td>
<td>76</td>
<td>0.71</td>
<td>0.0</td>
<td>TRW-</td>
</tr>
<tr>
<td>5</td>
<td>78</td>
<td>59</td>
<td>69</td>
<td>0.06</td>
<td>0.0</td>
<td>TRW+</td>
</tr>
<tr>
<td>6</td>
<td>82</td>
<td>56</td>
<td>69</td>
<td>0.00</td>
<td>0.0</td>
<td>TRW-</td>
</tr>
<tr>
<td>7</td>
<td>81</td>
<td>58</td>
<td>70</td>
<td>0.00</td>
<td>0.0</td>
<td>SE</td>
</tr>
<tr>
<td>8</td>
<td>83</td>
<td>58</td>
<td>71</td>
<td>0.00</td>
<td>0.0</td>
<td>SW</td>
</tr>
<tr>
<td>9</td>
<td>86</td>
<td>65</td>
<td>76</td>
<td>0.05</td>
<td>0.0</td>
<td>SW</td>
</tr>
<tr>
<td>10</td>
<td>88</td>
<td>64</td>
<td>76</td>
<td>0.01</td>
<td>0.0</td>
<td>SW</td>
</tr>
<tr>
<td>11</td>
<td>83</td>
<td>71</td>
<td>77</td>
<td>0.69</td>
<td>0.0</td>
<td>TRW, RW-</td>
</tr>
<tr>
<td>12</td>
<td>86</td>
<td>77</td>
<td>77</td>
<td>0.30</td>
<td>0.0</td>
<td>TRW, RW+</td>
</tr>
<tr>
<td>13</td>
<td>86</td>
<td>77</td>
<td>77</td>
<td>1.81</td>
<td>0.0</td>
<td>TRW+</td>
</tr>
<tr>
<td>14</td>
<td>85</td>
<td>72</td>
<td>79</td>
<td>0.02</td>
<td>0.0</td>
<td>F(AM), L, RW-</td>
</tr>
<tr>
<td>15</td>
<td>93</td>
<td>69</td>
<td>81</td>
<td>0.01</td>
<td>0.0</td>
<td>RW-</td>
</tr>
<tr>
<td>16</td>
<td>92</td>
<td>68</td>
<td>80</td>
<td>0.00</td>
<td>0.0</td>
<td>SW</td>
</tr>
<tr>
<td>17</td>
<td>91</td>
<td>67</td>
<td>79</td>
<td>0.00</td>
<td>0.0</td>
<td>H(AM)</td>
</tr>
<tr>
<td>18</td>
<td>91</td>
<td>71</td>
<td>81</td>
<td>0.00</td>
<td>0.0</td>
<td>H(PM)</td>
</tr>
<tr>
<td>19</td>
<td>92</td>
<td>69</td>
<td>81</td>
<td>0.00</td>
<td>0.0</td>
<td>F(AM), H(PM), H</td>
</tr>
<tr>
<td>20</td>
<td>86</td>
<td>69</td>
<td>78</td>
<td>0.64</td>
<td>0.0</td>
<td>F(AM), TRW+</td>
</tr>
<tr>
<td>21</td>
<td>80</td>
<td>63</td>
<td>72</td>
<td>0.14</td>
<td>0.0</td>
<td>F(PM), TRW-</td>
</tr>
<tr>
<td>22</td>
<td>79</td>
<td>61</td>
<td>70</td>
<td>0.44</td>
<td>0.0</td>
<td>F(AM), RW- RW+</td>
</tr>
<tr>
<td>23</td>
<td>83</td>
<td>60</td>
<td>72</td>
<td>0.00</td>
<td>0.0</td>
<td>M</td>
</tr>
<tr>
<td>24</td>
<td>86</td>
<td>62</td>
<td>74</td>
<td>0.00</td>
<td>0.0</td>
<td>F(PM)</td>
</tr>
<tr>
<td>25</td>
<td>88</td>
<td>66</td>
<td>77</td>
<td>0.00</td>
<td>0.0</td>
<td>S</td>
</tr>
<tr>
<td>26</td>
<td>86</td>
<td>68</td>
<td>77</td>
<td>0.00</td>
<td>M</td>
<td>M</td>
</tr>
<tr>
<td>27</td>
<td>88</td>
<td>67</td>
<td>80</td>
<td>1.71</td>
<td>0.0</td>
<td>TRW+</td>
</tr>
<tr>
<td>28</td>
<td>89</td>
<td>72</td>
<td>81</td>
<td>1.25</td>
<td>0.0</td>
<td>TRW+</td>
</tr>
<tr>
<td>29</td>
<td>91</td>
<td>70</td>
<td>81</td>
<td>0.00</td>
<td>0.0</td>
<td>F(AM)</td>
</tr>
<tr>
<td>30</td>
<td>93</td>
<td>71</td>
<td>82</td>
<td>0.00</td>
<td>0.0</td>
<td>RW- M</td>
</tr>
<tr>
<td>31</td>
<td>94</td>
<td>71</td>
<td>83</td>
<td>0.00</td>
<td>0.0</td>
<td>S</td>
</tr>
<tr>
<td>AVG/TOT</td>
<td>87.2</td>
<td>66.2</td>
<td>76.7</td>
<td>7.85</td>
<td>0.0</td>
<td>SW</td>
</tr>
</tbody>
</table>

**NUMBER OF DAYS and DEPARTURE**

<table>
<thead>
<tr>
<th>MAX TEMP</th>
<th>MIN TEMP</th>
<th>PRECIPITATION</th>
<th>SNOW</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;90</td>
<td>&lt;=32</td>
<td>&lt;=32 &lt;=0</td>
<td>&gt;=1.0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>11</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>DEP</td>
<td>+4</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WEATHER TYPES</th>
<th>SEASONAL DEGREE DAYS</th>
<th>PRECIPITATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>R L S Z IP A T F D H BS</td>
<td>HEATING</td>
<td>COOLING</td>
</tr>
<tr>
<td>TOTAL</td>
<td>16</td>
<td>3</td>
</tr>
<tr>
<td>DEP</td>
<td>+5</td>
<td>+2</td>
</tr>
</tbody>
</table>

Averages based on 1971-2000 data. Temp midnight-midnight, Precip and Snow at 8 am LST M = Missing

**WEATHER TYPES:**
- R = Rain
- L = Drizzle
- S = Snow
- Z = Freezing rain/drizzle
- IP = Ice pellets (sleet)
- A = Hail
- T = Thunder
- F = Fog
- H = Haze
- BS = Blowing snow
- SW = Snowshower

**PRECIP INTENSITY:**
- + Light
- ++ Moderate
- +++ Heavy

**PRECIPITATION**

| JAN-July | 688 | 2272 |
|          | +82 | +158 |
|          |     | -1.71 |


**WIND:** DIR is the 24 hr prevailing direction (greatest number of hours). Speed is the daily average of 24 hourly average wind speeds.
Temperature – ranged from 56°F on July 6 to 94°F on July 2, 3, and 31.

Precipitation – one daily record was set this month. The 1.71” of rain on July 27 beat the old record of 1.05” set in 1999. The monthly precipitation total was 7.85”, 3.18” above normal and the 8th wettest July since July records began in 1889. The wettest July on record was 1992 with 13.82” of precipitation. After a dry June (only 1.65” and 2.56” below normal), the rains of July greatly improved local growing conditions.

Observer’s Note – the wind statistics reported here and on the voicemail recording are not part of the climatic archive maintained by this office. They are from another Water Survey network co-located with our site (see below).

Additional Information

Additional information for July can be found at the Illinois Climate Network site that is collocated with our cooperative weather observer site. This automated station collects temperature, wind, soil temperature, evaporation, humidity, and solar radiation data. These data are usually posted several days after the end of the month at:

http://www.sws.uiuc.edu/warm/data/2006/July/Champaign.txt

JRA