

Table 1. An example of weekly crop water use, crop coefficient, and crop growth stage information for one of the demonstration sites in the Nebraska Agricultural Water Management Demonstration Network (NAWMDN) as it appears in the UBBNRD web page (<http://www.upperbigblue.org>).

Site #35

2006 Nebraska Agricultural Water Management Demonstration Network-ET Gage Data

York County

| Date Read | 6/15/06 | 6/19/06 | 6/26/06 | 7/3/06 | 7/10/06 | 7/17/06 | 7/24/06 | 8/1/06 | 8/7/06 | 8/14/06 | 9/5/06 |
|------------------------------------|---------|---------|---------|--------|---------|-------------|-------------|---------|--------|---------|-----------|
| ET Gage Change for period | Date | 1.00 | 1.50 | 1.80 | 1.50 | 1.50 | 1.55 | 1.80 | 1.40 | 1.10 | 0.90 |
| Average Daily Water Use for Period | started | 0.25 | 0.21 | 0.26 | 0.21 | 0.21 | 0.22 | 0.23 | 0.23 | 0.16 | 0.04 |
| Corn Emerged 4/20 | | | | | | | | | | | |
| Growth Stage | | V16 | V16 | R1 | R1 | BLISTER | BLISTER | DOUGH | DENT | DENT | FULL MAT |
| Crop ET Factor | | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | #N/A |
| Water use for period | | 1.10 | 1.65 | 1.98 | 1.65 | 1.65 | 1.71 | 1.98 | 1.54 | 1.21 | #N/A |
| Corn Emerged 5/1 | | | | | | | | | | | |
| Growth Stage | | V14 | V16 | V16 | R1 | BLISTER | BLISTER | DOUGH | DOUGH | DENT | BLACK LAY |
| Crop ET Factor | | 1.01 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | #N/A |
| Water use for period | | 1.01 | 1.65 | 1.98 | 1.65 | 1.65 | 1.71 | 1.98 | 1.54 | 1.21 | #N/A |
| Corn Emerged 5/10 | | | | | | | | | | | |
| Growth Stage | | V12 | V14 | V16 | R1 | R1 | BLISTER | DOUGH | DOUGH | DENT | FULL DENT |
| Crop ET Factor | | 0.88 | 1.01 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | #N/A |
| Water use for period | | 0.88 | 1.52 | 1.98 | 1.65 | 1.65 | 1.71 | 1.98 | 1.54 | 1.21 | #N/A |
| Corn Emerged 5/20 | | | | | | | | | | | |
| Growth Stage | | V10 | V12 | V16 | V16 | R1 | R1 | BLISTER | DOUGH | DOUGH | FULL DENT |
| Crop ET Factor | | 0.69 | 0.88 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | #N/A |
| Water use for period | | 0.69 | 1.32 | 1.98 | 1.65 | 1.65 | 1.71 | 1.98 | 1.54 | 1.21 | #N/A |
| Soybeans Emerged 5/20 | | | | | | | | | | | |
| Growth Stage | | V3 | R1 | R2 | R2 | R3 | R5 | R5 | R6 | R7 | R8 |
| Crop ET Factor | | 0.60 | 0.90 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 0.90 | 0.00 |
| Water use for period | | 0.60 | 1.35 | 1.98 | 1.65 | 1.65 | 1.71 | 1.98 | 1.54 | 0.99 | 0.00 |
| Soybeans Emerged 5/30 | | | | | | | | | | | |
| Growth Stage | | V1 | V3 | V3 | R1 | R2 | R3 | R5 | R5 | R6 | R7 |
| Crop ET Factor | | 0.20 | 0.60 | 0.60 | 0.90 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 0.90 |
| Water use for period | | 0.20 | 0.90 | 1.08 | 1.35 | 1.65 | 1.71 | 1.98 | 1.54 | 1.21 | 0.81 |
| Soybeans Emerged 6/10 | | | | | | | | | | | |
| Growth Stage | | VC | V1 | V2 | V3 | R1 | R2 | R3 | R4 | R5 | R6 |
| Crop ET Factor | | 0.10 | 0.20 | 0.40 | 0.60 | 0.90 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| Water use for period | | 0.10 | 0.30 | 0.72 | 0.90 | 1.35 | 1.71 | 1.98 | 1.54 | 1.21 | 0.99 |