

## PROGRAM INFORMATION

### **EQIP, WHIP, WRP, CREP, & CONTINUOUS CRP:**

APPLICATIONS FOR FUNDING ASSISTANCE AND/OR ANNUAL PAYMENTS CAN BE TAKEN ANYTIME AT YOUR LOCAL USDA SERVICE CENTER. WE HAVE RECEIVED SOME OF THE 2009 DOLLARS AND ARE APPROVING APPLICATIONS ACCORDINGLY.

**NSWCP:** NEW MONEY COMES JULY 1<sup>ST</sup>. APPLICATIONS FOR COST-SHARE CAN BE TAKEN ANYTIME AT YOUR LOCAL NRCS OFFICE. **APPLICATIONS MUST BE SIGNED BY THE OWNER AND COMPLETED TWO WEEKS PRIOR TO THE TBNRD BOARD MEETINGS (SECOND TUESDAY'S OF EACH MONTH) IN ORDER TO BE REVIEWED FOR APPROVAL.** FLOW METER AND NON-IRRIGATION APPLICATIONS WILL BE REVIEWED AT THE JULY MEETING. SEPTEMBER WILL BE WHEN THE FIRST ROUND OF IRRIGATION APPLICATIONS WILL BE REVIEWED FOR APPROVAL.

**ENERGY EFFICIENCY GRANT:** **APPLICATION DEADLINE IS JULY 31, 2009** FOR SUB SURFACE DRIP SYSTEMS, PIVOTS, UNDERGROUND PIPE, WELL & PUMP UPGRADES, PIVOT BRIDGES, ETC. CONTACT KELLEY MESSENGER WITH RURAL DEVELOPMENT AT 308-237-3118, EXT. 4.

## CALENDAR OF EVENTS

**ORGANIC FIELD DAYS:** FOR MORE INFO, CONTACT RANDY GUNN @ SOUTH CENTRAL RC&D @ 402-845-6678

**JUNE 24:** NEAR HASTINGS, NE (COVER CROPS)

**JUNE 23:** CNPPID 5 2-WEEK RUN SCHEDULE STARTS

**JULY 6:** CNPPID BOARD OF DIRECTORS MEETING, 9 AM

**JULY 7:** CNPPID 4 2-WEEK RUN SCHEDULE STARTS

**JULY 14:** TBNRD BOARD MEETING, 1:30 PM

**JULY 18-23:** KEARNEY COUNTY FAIR

**JULY 25-30:** PHELPS COUNTY FAIR

**JULY 28-29:** FOUR STATES IRRIGATION COUNCIL'S SUMMER TOUR. FOR MORE INFO, CONTACT DAVE FORD AT 888-580-5299 OR [DFORD@CNPPID.COM](mailto:DFORD@CNPPID.COM).

**JULY 29-AUG 1:** GOSPER COUNTY FAIR

### **2009 NAWMDN Part 1: Introduction**

The **Nebraska Agricultural Water Management Demonstration Network** is underway for the 3<sup>rd</sup> year across the Tri-Basin NRD. There are 12 sites this year with possibly more to be added later. See map on page two.

These sites are a tool which surrounding producers can use in their Irrigation Water Management (IWM) program when determining their own crop water use or ET (EvapoTranspiration). These sites do a wonderful job representing your fields and crops by being close in proximity to your fields and by being able to utilize your own crop stages for various fields.

On page two of each Tri-Basin Irrigator issue, information from the prior two weeks will be provided for 8 of the 12 sites. An example showing you how to determine your own crop water use will be provided in the next issue.

If you have any questions about IWM or need assistance getting started, call Curtis Scheele at 308-995-6121, Ext. 3.

## ACROSS THE TRI-BASIN NRD

### **Irrigation Records to be kept in 2009!!!:**

I would like to remind everyone of Irrigation Water Management (IWM) recordkeeping for crop year 2009. This applies to everyone who has received EQIP and NSWCP cost-share assistance for installing irrigation practices. These records are to be kept on the NE-ENG-80 forms on the fields where irrigation practices were installed. This form is available from your local NRCS office. **Irrigation information to be kept are Soil Moisture Readings, Crop ET, Applied Water Amounts, Flow Meter Readings and Rainfall during the cropping season.** Crop Consultant forms or any other forms are acceptable provided the same information is recorded.

For NSWCP, the NE-ENG-80 forms were previously sent in a packet to the owners with their cost-share approval letters.

For EQIP, the NE-ENG-80 forms were mailed to the producers in early June.

Irrigation Water Management can help you manage your irrigation scheduling. This season has started with a full soil moisture profile. Monitoring soil moisture to determine first irrigation can play a large role this year in how much water is applied to the crop.

If you have any questions about IWM or need assistance getting started, call Curtis Scheele at 308-995-6121, Ext. 3.

### **Stage of Growth:**

**Corn (V6-6 leaf to V10-10 leaf stage):** Leaf stage is determined by counting leaves whose leaf collar is visible. After 6-leaf, the lower leaves tear from the plant, so marking some upper leaves helps in determining leaf stage after 6-leaf.

**Average daily water use from June 8-June 14 was 0.03"-0.07".**

**Soybeans (V1-1<sup>st</sup> Node stage to V3-3<sup>rd</sup> Node stage):** V1-1<sup>st</sup> Node is determined by having one trifoliolate leaf (3 leaflets on one leaf) that is unrolled. Leaflet edges no longer touch. V2 has two trifoliolate leaves and so forth up the growth chart.

**Average daily water use from June 8-June 14 was 0.03"-0.05".**

### **Irrigation:**

With recent rains, a lot of areas across the NRD are at or above field capacity. Producers are hilling in muddier conditions than preferred simply to have gated pipe ready for CNPPID's water and to beat the corn before it gets too tall.

**From May 26-June 14 (10 of 12 NAWMDN sites reporting), the average weekly rainfall at each site was 0.80" and average weekly ET was 0.29".** Rains have slowed down this week.

Lake McConaughy is at 53.0% capacity versus 46.1% a year ago. Inflows to Lake McConaughy are at 1340 cfs versus 654 cfs a year ago. Flows on the South Platte River @ North Platte are at 2526 cfs versus 203 cfs a year ago.

### **Rainfall:**

Rainfall amounts come from NeRAIN which can be found at website <http://dnrdata.dnr.ne.gov/NeRAIN/index.asp?&>.

<b>Location:</b>	<b>June 4 – June 17</b>	<b>May 1 – June 17</b>
<b>Arapahoe 6.9 mi. NW:</b>	<b>3.03"</b>	<b>7.43"</b>
<b>Bertrand 6.1 mi. SE:</b>	<b>1.64"</b>	<b>4.40"</b>
<b>Funk 12.5 mi. N:</b>	<b>3.25"</b>	<b>7.36"</b>
<b>Wilcox 0.3 mi. SW:</b>	<b>3.02"</b>	<b>7.95"</b>
<b>Minden 4.4 mi. NW:</b>	<b>2.21"</b>	<b>5.33"</b>

## NAWMDN CROP ET INFORMATION

Additional Atmometer sites and Weather Station Data can be found at websites listed under "ET Information Sites" below.

7 Days = June 1-June 7    7 days = June 8-June 14

Inches of Crop Water Use (ET) = Evaporation x Kc

- Atmometer Station: Arapahoe 7 Northwest (#5)  
**Evaporation:**    Week #1 = 1.10 inches    Week #2 = 0.70 inches
- Atmometer Station: Elwood 1 East (#6)  
**Evaporation:**    Week #1 = 0.80 inches    Week #2 = 0.60 inches
- Atmometer Station: Bertrand 4 Southwest (#7)  
**Evaporation:**    Week #1 = 1.00 inches    Week #2 = 0.55 inches
- Atmometer Station: To Be Added (#12)  
**Evaporation:**    Week #1 = NA inches    Week #2 = NA inches
- Atmometer Station: Holdrege 5 Southeast (#9)  
**Evaporation:**    Week #1 = 1.15 inches    Week #2 = 0.70 inches
- Atmometer Station: Funk 6 Northeast (#8)  
**Evaporation:**    Week #1 = 0.75 inches    Week #2 = 0.70 inches
- Atmometer Station: Minden 11 Southeast (#2)  
**Evaporation:**    Week #1 = 1.05 inches    Week #2 = 0.75 inches
- Atmometer Station: Minden 5 North (#3)  
**Evaporation:**    Week #1 = 0.88 inches    Week #2 = 0.60 inches

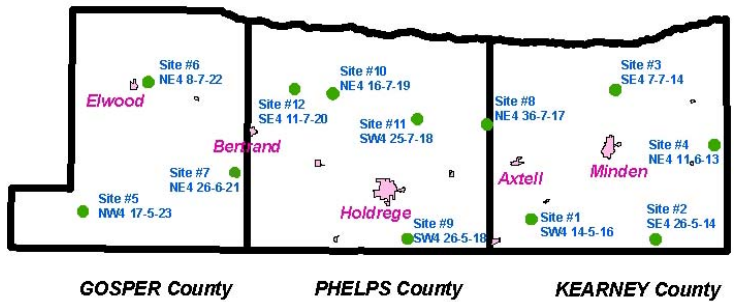
Corn		Soybeans	
Stage	<span style="background-color: green;">Kc</span>	Stage	<span style="background-color: green;">Kc</span>
2 leaf	0.10	Cotyledon (VC)	0.10
4 leaf	0.18	1st Node (V1)	0.20
6 leaf	0.35	2nd Node (V2)	0.40
8 leaf	0.51	3rd Node (V3)	0.60
10 leaf	0.69	Beg. Bloom (R1)	0.90
12 leaf	0.88	Full Bloom (R2)	1.00
14 leaf	1.01	Beg. Pod (R3)	1.10
16 leaf	1.10	Full Pod (R4)	1.10
Silk, Bl., Dough	1.10	Beg. Seed (R5)	1.10
Beg. Dent	1.10	Full Seed (R6)	1.10
Full Dent	0.98	Beg. Mat. (R7)	0.90
Black Layer	0.60	Full Mat. (R8)	0.20
Full Maturity	0.10	Mature	0.10

### ET Information Sites

- NAWMDN Sites:  
[www.cnppid.com/ET\\_Map\\_location\\_page.htm](http://www.cnppid.com/ET_Map_location_page.htm)  
[elkhorn.unl.edu/ETGage/](http://elkhorn.unl.edu/ETGage/)
- Water Use Hotline – dial 1-800-993-2507
- Central Irrigation District: [www.cnppid.com](http://www.cnppid.com)
- UNL Cropwatch – [cropwatch.unl.edu/weather/gdd-et.html](http://cropwatch.unl.edu/weather/gdd-et.html)

### Websites of Interest

- NRCS Nebraska [www.ne.nrcs.usda.gov](http://www.ne.nrcs.usda.gov)
- Central Irrigation District [www.cnppid.com](http://www.cnppid.com)
- TBNRD Home Page [tribasinnrd.org](http://tribasinnrd.org)
- Farm Service Agency [www.fsa.usda.gov](http://www.fsa.usda.gov)
- UNL Cropwatch [cropwatch.unl.edu](http://cropwatch.unl.edu)
- UNL Extension [www.extension.unl.edu/home](http://www.extension.unl.edu/home)
- UNL Water [extension-water.unl.edu](http://extension-water.unl.edu)
- K-State SDI Website [www.oznet.ksu.edu/sdi](http://www.oznet.ksu.edu/sdi)
- No-till On The Plains [www.notill.org](http://www.notill.org)
- No-till Notes [www.npnrd.org/notill.htm](http://www.npnrd.org/notill.htm)



## 2009 NAWMDN Sites

*Be the change you want to see in the world.*

- Gandhi

\*\*\* If you wish to receive this newsletter via e-mail, or have any questions, comments or ideas, feel free to contact Curtis Scheele at the NRCS office in Holdrege or you can email him at [curtis.scheele@ne.usda.gov](mailto:curtis.scheele@ne.usda.gov). \*\*\*

**USDA-NRCS**  
1609 Burlington Street  
PO Box 798  
Holdrege, NE 68949-0798  
308-995-6121, Ext. 3

**USDA-NRCS**  
309 Smith Street  
PO Box 41  
Elwood, NE 68937-0041  
308-785-3307, Ext. 3

**USDA-NRCS**  
1005 South Brown Street  
Minden, NE 68959-2601  
308-832-1895, Ext. 3

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