

Tri-Basin Irrigator

Volume 09, Issue 1

June 4, 2009

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. APPLICATIONS MUST BE APPROVED PRIOR TO STARTING ANY INSTALLATION WORK. – THE DEADLINE FOR 2009 EQIP DOLLARS IS PAST. APPLICATIONS TAKEN NOW WILL BE CONSIDERED FOR 2010 EQIP DOLLARS. WE ARE AWAITING FUNDING BEFORE WE APPROVE 2009 EQIP'S.

NSWCP: NEW MONEY COMES JULY 1ST. APPLICATIONS FOR COST-SHARE CAN BE TAKEN AT YOUR LOCAL NRCS OFFICE. APPLICATIONS MUST BE APPROVED PRIOR TO STARTING ANY INSTALLATION WORK. IN THE TRI-BASIN NRD, FLOW METER APPLICATIONS AND NON-IRRIGATION APPLICATIONS ARE REVIEWED FOR APPROVAL MONTHLY. ALL OTHER IRRIGATION APPLICATIONS ARE REVIEWED FOUR TIMES A YEAR, SEPTEMBER, DECEMBER, FEBRUARY, AND MAY. THE TRI-BASIN NRD BOARD MEETS ON THE SECOND TUESDAYS OF THE MONTH. **APPLICATIONS TO BE REVIEWED FOR APPROVAL MUST BE COMPLETED 2 WEEKS PRIOR TO THE BOARD MEETINGS.**

ENERGY EFFICIENCY GRANT: THIS GRANT PROGRAM IS AN OPPORTUNITY TO RECEIVE COST-SHARE ASSISTANCE FOR SUB-SURFACE DRIP SYSTEMS, PIVOTS, UNDERGROUND PIPE, WELL UPGRADES, MOTORS, BRIDGES, ETC. **FOR 2009 DOLLARS, COMPLETED APPLICATIONS CAN BE SUBMITTED BY JULY 31, 2009.** FOR MORE INFORMATION CONTACT KELLEY MESSENGER WITH RURAL DEVELOPMENT AT THE KEARNEY USDA SERVICE CENTER OR AT 308-237-3118, EXT. 4.

CALENDAR OF EVENTS

- JUNE 9: TBNRD BOARD MEETING 7:30 PM
JUNE 15: NO-TILL DAY NEAR CHAPPEL, NE. FOR MORE INFO, CONTACT CURTIS SCHEELE @ 308-995-6121, EXT. 3
NO-TILL EXPOS AND BUS TOUR: FOR MORE INFO, GOTO [HTTP://WWW.NOTILL.ORG](http://www.notill.org)
JUNE 10: EXPO NEAR AMHERST, NE.
JUNE 17-19: BUS TOUR TO SOUTH DAKOTA.
JUNE 30: EXPO NEAR HOLTON, KS.
JULY 15: EXPO NEAR CLARKSON, NE.
ORGANIC FIELD DAYS: FOR MORE INFO, CONTACT RANDY GUNN @ SOUTH CENTRAL RC&D @ 402-845-6678
JUNE 17: NEAR ALMA, NE & ORLEANS, NE (FRUIT & VEGGIE)
JUNE 22: NEAR LITCHFIELD, NE (LIVESTOCK)
JUNE 24: NEAR DEWEESE, NE (LIVESTOCK)
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 28-29: FOUR STATES IRRIGATION COUNCIL'S SUMMER TOUR. FOR TOUR INFO, CONTACT DAVE FORD AT 888-580-5299 OR DFORD@CNPPID.COM. FOR REGISTRATION INFO, CONTACT VERONICA GOMEZ AT 970-622-2322 OR VGOMEZ@NCWCD.ORG.

ACROSS THE TRI-BASIN NRD

Tri-Basin Irrigator is Underway for 2009:

Welcome veteran and rookie subscribers of the Tri-Basin Irrigator. My name is Curtis Scheele. I am the Water Management Specialist with the NRCS covering Gosper, Phelps, and Kearney counties. My office is located in Holdrege. See the other side of this newsletter for my contact information. You will also find the addresses and phone numbers for the other two NRCS offices in the Tri-Basin NRD.



It's hard to believe, but this will be the fifth year of this newsletter. The goal is to provide you with irrigation related information across the Tri-Basin NRD while keeping it short and simple. It will again be sent bi-weekly during the crop season.

If you would be willing to receive this newsletter via email, please provide me your email address. This newsletter and archived copies will also be available on Central's website, <http://www.cnppid.com>, and the Tri-Basin NRD's website, <http://tribasinnr.org>.

If you have any questions or comments, feel free to contact me. I wish for you a safe and wonderful 2009 crop season.

Stage of Growth:

Corn (V4-4 leaf to V6-6 leaf stage): At V6, the growing point and tassel are above the surface and stalk elongation begins. Average daily water use from May 26th-May 31st was 0.04"-0.08".

Soybeans (VC-Cotyledon to V1-1st Node stage): After V1, photosynthesis by the developing leaves is adequate for the plant to sustain itself. Average daily water use from May 26th-May 31st was 0.02"-0.04".

Irrigation:

We have seen enough moisture this winter/spring that we should currently have a full soil moisture profile. Monitoring soil moisture to determine first irrigation will play a large role in saving an irrigation or more.

This year, CNPPID is allocating 8.4 inches of water, the fifth year in a row of allocating water. Snowpack was a little above average before the snowmelt season. Snowmelt is faster than normal so the verdict is still out on what the end result will be.

Lake McConaughy is at 51.3% capacity versus 45.3% a year ago. Inflows to Lake McConaughy are at 1050 cfs versus 1278 cfs a year ago. Flows on the South Platte River @ North Platte are at 163 cfs versus 162 cfs a year ago.

Rainfall:

Rainfall amounts come from NeRAIN which can be found at website <http://dnrdata.dnr.ne.gov/NeRAIN/index.asp?&>. Rainfall totals – **May 21 thru June 3:**

Arapahoe 6.9 mi. NW	4.24"
Bertrand 6.1 mi. SE	2.22"
Funk 12.5 mi. N	3.63"
Wilcox 0.3 mi. SW	3.43"
Minden 4.4 mi. NW	2.05"

NAWMDN CROP ET INFORMATION

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

8 Days = May 18-May 25 6 days = May 26-May 31

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

- Atmometer Station: Arapahoe 7 Northwest (#5)
Evaporation: Week #1 = [NA inches](#) Week #2 = [1.20 inches](#)
- Atmometer Station: Elwood 1 East (#6)
Evaporation: Week #1 = [NA inches](#) Week #2 = [1.2 inches](#)
- Atmometer Station: Bertrand 4 Southwest (#7)
Evaporation: Week #1 = [NA inches](#) Week #2 = [1.35 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 = [NA inches](#) Week #2 = [1.35 inches](#)
- Atmometer Station: Funk 6 Northeast (#8)
Evaporation: Week #1 = [NA inches](#) Week #2 = [1.20 inches](#)
- Atmometer Station: Minden 11 Southeast (#2)
Evaporation: Week #1 = [NA inches](#) Week #2 = [1.20 inches](#)
- Atmometer Station: Minden 5 North (#3)
Evaporation: Week #1 = [NA inches](#) Week #2 = [1.32 inches](#)

		<u>Crop Coefficients (Kc)</u>	
		<u>Corn</u>	<u>Soybeans</u>
<u>Stage</u>	Kc	<u>Stage</u>	Kc
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
elkhorn.unl.edu/ETGage/
 Water Use Hotline – dial 1-800-993-2507
 Central Irrigation District: www.cnppid.com
 UNL Cropwatch – cropwatch.unl.edu/weather/gdd-et.html

Websites of Interest

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

A new season has arrived!!!

**The following is information on gathering
Crop Water Use information for your
Irrigation Water Management program.**

The Nebraska Agriculture Water Management Demonstration Network (NAWMDN) currently has 9 sites across the Tri-Basin NRD and more will be added over the next couple of weeks. We are looking at approximately 14 sites. See links on this page under the "ET Information Sites" section. You can also link to CNPPID's site from the Tri-Basin NRD's home page. More information will be coming in the next couple of issues on this network.

Weather station data can also be utilized for gathering crop use data. You can call the Water Use Hotline at 1-800-993-2507. You can also go to CNPPID's website and the UNL Cropwatch website.

The mind is like a parachute. It only works when it's open.

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*** 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. ***

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 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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