

Coming Events

PROGRAM INFO

THE NRCS HAS ALLOCATED ALL AVAILABLE FEDERAL FUNDS FROM THE 2016 FISCAL YEAR EQIP BUDGET.

THE CENTRAL PLATTE NRD WILL BE RECEIVING A NEW ALLOCATION OF NSWCP MONEY DURING THE MONTH OF JULY. PRODUCERS INTERESTED IN ASSISTANCE SHOULD CONTACT THEIR LOCAL NRCS OFFICE.

CALENDAR OF EVENTS

JULY 28TH BOARD OF DIRECTORS MEETING
THURSDAY 2:00 PM @ CENTRAL PLATTE NRD OFFICE

GREEN SILKS & THE POSSIBLE KERNELS



SILK DAMAGE BY ROOTWORM BEETLES



Across the NRD

Stage of Growth

The tassels and green silks have emerged and pollen will be shedding. This is a very important time in crop development and will determine the number of kernels. The soybeans are at the end of full bloom, and there are pods showing up on the lower portion of the plant.

Crop Condition

There are a couple kinds of environmental stress we don't want during pollen shed, moisture stress or insect stress. So far the weather forecast is for very hot and dry conditions heading into pollination. The extreme temperatures can impact the silks and pollen grains, causing the ears to possibly tip back. The other would be insect stress; the Rootworm Beetles will start feeding on the newly emerged silks. If the beetle populations are high enough during pollination, it can impact kernel development and ultimately yields. We cannot control the temperatures unfortunately, but we can monitor the beetles.

Irrigation

Information is from UNL Extension, NebGuide G1852 Irrigation Management for Corn.

Table I. Average crop water use (ET) by growth stage for 113-day maturity corn grown in South Central Nebraska.

Growth stage	Average water use rate (in/day)	Duration ¹ (days)	Water needed to reach stage (inches)	Water needed cumulative (inches)
Emergence (VE)	0.08	0-10	0.8	0.8
4-leaf (V4)	0.10	11-29	1.8	2.6
8-leaf (V8)	0.18	30-46	2.9	5.5
12-leaf (V12)	0.26	47-55	1.8	7.3
Early tassel (R1)	0.32	56-68	3.8	11.1
Silking (R2)	0.32	69-81	3.8	14.9
Blister Kernel (R3)	0.32	82-88	1.9	16.8
Beginning Dent (R4.7)	0.24	89-104	3.8	20.7
Full Dent (R5.5)	0.20	105-125	3.8	24.5
Maturity (R6)	0.10	126-140	1.4	25.9

¹Long-term average number of days since planting required to progress from the previous growth stage to the next. For example, to go from the blister kernel stage to the beginning dent stage requires approximately 15 days (day 89 to day 104). Days to each growth stage were determined using the Hybrid-Maize Corn Growth Model for the period 1982-2005 at Clay Center, Neb.

Rainfall

Rainfall received at the Grand Island Field Office since my last report: currently raining.

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The following information is provided for Corn emergence dates listed:

Corn emergence during: May 5th to May 15th

Water used in the last week 2.07 inches

Projected daily water use .28 inches

Corn emergence during: May 16th to May 26th

Water used in the last week 1.95 inches

Projected daily water use .27 inches

The following information is provided for Soybean emergence dates listed:

Soybean emergence during: May 16th to May 26th

Water used in the last week 1.87 inches

Projected daily water use .25 inches

Soybean emergence during: May 27th to June 6th

Water used in the last week 1.66 inches

Projected daily water use .23 inches

The following information is provided for Irr. Grass emergence: April 15th

Water used in the last week 1.33 inches

Projected daily water use .17 inches

Additional ET Information Sites:

UNL CropWatch <http://cropwatch.unl.edu/>

Central Platte NRD Webpage: www.cpnrd.org/