

STATE OF KANSAS

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Adrian Polansky, Secretary of Agriculture

DIVISION OF WATER RESOURCES  
David L. Pope, Chief Engineer



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KANSAS DEPARTMENT OF AGRICULTURE

COVER PAGE

DATE: 8-10-07 FAX No. \_\_\_\_\_

Please deliver the following 4 page(s), including this page to:

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Stockton Field Office  
Division of Water Resources  
Kansas Department of Agriculture

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KANSAS BOSTWICK IRRIG

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2 August 2007

Dear Patron:

Considering the beneficial rains we have had to this point this year, it appears that an 8" delivery will be sufficient in most cases. It is very important to protect the supply, hopefully being able to deliver 8" again next year.

However, considering the recent rainfall, the Board agreed at our board meeting today, to increase the restriction to 10" for the 2007 season. Irrigators should consider these additional 2" to be used only if needed to sustain this year's crop. Our ability to manage the supply for the future depends upon our ability to conserve the supply we have today. The Board also set the shut off date at 8-29-07.

Should you have any questions, please contact this office.

For the Board of Directors

Kenneth Nelson

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Stockton Field Office  
Division of Water Resources

*Scott, you should have received one of these  
but just in case you didn't*

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WATER USE AND SUPPLY AS OF 8-1-07

Supply in Reservoir as of 8-1-07 KBID 78,800 – NBID 38,500

H. Co Releases started 6-21 run to 8-1 for 41 days = 14,300 af

State of Ne. calculates 2,100 af pass through from Fr. Valley & Riverside

State of Ne. protected 11,600 af of flows from Harry Strunk into Harlan (other Strunk flows into Harlan are considered natural flows and split between NBID and us).

Before season NBID committed 12,500 from Harlan & Strunk estimated at 12,000 = 24,500 estimated deal water. Fr. Valley and Riverton discounted at loss.

14,300 – 2,100 pass through = 12,200 – 11,600 strunk = 600 Ne Bostwick deal water.

BOR estimates 2,300 af additional deal water protected from Strunk + 11,900 NBID = 14,200 af deal water in Harlan.

In 41 days of running we have released 14,300 af. If we set the shut off date at 8-29, we would have 14,200 af available for the remaining 29 days.

To this point, irrigators above Lovewell have use 3.1" and below Lovewell 3.6" of their 8" supply.

If we were to add 2" to the restriction go to 10", it would require an additional 2,220af above Lovewell, to the fields. At this point in time, it would appear that may likely be able to be gained from natural flows of the river. I do not anticipate as large of releases for as many days out of Harlan to finish the year as we experienced in July.

There appears to be 6 individuals above Lovewell who would likely use additional water if we allowed it and 9 individuals below Lovewell who would use additional water if we allowed it. These individuals are either out or right at it or will run out with another run. If we raise the restriction it will encourage many users to irrigate their corn more than they would have and could push some of them to the out point before the shut off date. Many maybe most users will not use over the 8" regardless of what we do. We have a handful of user who may not irrigate at all this year.

Lovewell is not a problem. The BOR wants to work on the inlet and wanted it down to a 15 to do some work. I don't think there is a problem with putting that off.

Harlan will be close to the 1940 elevation at the end of the season. It is likely to fill next year considering H. Strunk and H Butler are in good shape at this time. Lovewell should reach a point this fall where we would be comfortable shutting off the Courtland Canal and be able to do some fall maintenance on it.

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**Kenny Nelson**

1 of 2

To: Scott Ross  
Subject: Material 1st of August

WATER RE AND  
SL... A... S.d..

Material I used at the August Board meeting when we decided to allow the additional 2".

In my opinion, if this weather holds, we will end up using somewhere between 6.5 to 7" district wide. More corn is getting irrigated than I thought would and the beans will need more if the temps hold up and it don't rain. Many pivots will not reach this amount if they ran every day until the end of the season. Several individual for whatever reason, have not used hardly any water at this point.

I do not believe we will use up our "deal" water and anticipate carrying over some of it. If we have spills and spills, we could loose this. Assuming the COE would not dump flood flows until the reservoir is into the Flood Pool a foot or two, it is not highly likely to happen.

Kenny

Total AP Est.

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