

Policy Definition of an Irrigated Practice

- A method of producing a crop by which water is artificially applied during the growing season by appropriate systems and at the proper times, with the intention of providing the quantity of water needed to produce at least the yield used to establish the irrigated production guarantee or amount of insurance on the irrigated acreage planted to the insured crop.

Section 9(b) Of the Common Crop Insurance Policy

you must report as irrigated only that acreage for which you have adequate facilities and adequate water, or the **reasonable expectation** of receiving adequate water at the time coverage begins, to carry out a good irrigation practice. **If you knew or had reason to know that your water may be reduced before coverage begins, no reasonable expectation exists.**

Currently this gives the producer the following options:

- Reduce planting to only those acres that have adequate water and facilities to produce the APH Approved Yield.
- For the remaining acres:
 - Plant and report as non-irrigated; or
 - If an **insurable event** during the **prevented planting insurance period** causes a reduction in available irrigation water supply, the producer may report and receive a prevented planting guarantee on the qualifying acres.

Another Possible Option

- There is authority for reducing APH yields in Section 3(h) of the common crop insurance policy
 - To an amount consistent with the production methods actually carried out for the crop year if you use a different production method than was previously used and the production method actually carried out is likely to result in a yield lower than the average of your previous actual yields.

Current Methods to Implement this Provision

The yields are adjusted:

- 1) Based on other units where such production methods were carried out;
- 2) The applicable county transitional yield; or
- 3) A weighted average approved APH yield if more than one production method is carried out.

Why current procedure doesn't work

- 1) Usually there are no other units in the producer's operation to use.
- 2) We have no Transitional Yields established for Limited Irrigation
- 3) The weighted average would not work for the same reason as the first. If the purpose is to spread the water over the entire insured acreage, two different methods would not be carried out.

Potential for Insuring Limited Irrigation

- Can plant all acreage with less than full supply of water
- Would require an adjustment of the APH yield
- Basis of adjustment must be able to be consistently applied regardless of insurance company
- Use collaborative work of irrigation experts at KSU, UNL, and CSU

Limited Irrigation – Possible Revision

- When a lower yielding production method than was reported to calculate the approved APH yield is carried out, the approved APH yield for the current crop year will be the lower of the approved APH yield for any of the 3 existing methods; or
- In the case of reduced application of irrigation water, a reduced APH yield according to the Irrigation Yield Adjustment Tables

Possible
Addition

Irrigated Yield Adjustment Tables

- The following demonstrates the application of the yield adjustment tables for a producer carrying out a limited irrigation practice for crop years 2011 through 2020.
- Adjustments are made based on historical use of irrigation water and the current APH yield.

Historical Water Use, Inches	Reduction in Historical Water Supply, Inches of Gross Irrigation														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Reduction in Bushels per Acre														
1	-11.8	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	-11.5	-23.3	na	na	na	na	na	na	na	na	na	na	na	na	na
3	-11.3	-22.8	-34.6	na	na	na	na	na	na	na	na	na	na	na	na
4	-11	-22.3	-33.9	-45.6	na	na	na	na	na	na	na	na	na	na	na
5	-10.8	-21.8	-33.1	-44.7	-56.4	na	na	na	na	na	na	na	na	na	na
6	-10.5	-21.3	-32.3	-43.6	-55.2	-66.9	na	na	na	na	na	na	na	na	na
7	-10.2	-20.7	-31.5	-42.5	-53.8	-65.4	-77.1	na	na	na	na	na	na	na	na
8	-9.9	-20.1	-30.6	-41.4	-52.4	-63.7	-75.2	-87	na	na	na	na	na	na	na
9	-9.5	-19.4	-29.6	-40.1	-50.9	-61.9	-73.2	-84.8	-96.5	na	na	na	na	na	na
10	-9.2	-18.7	-28.6	-38.8	-49.3	-60.1	-71.1	-82.4	-93.9	-105.7	na	na	na	na	na
11	-8.8	-17.9	-27.5	-37.3	-47.5	-58	-68.8	-79.9	-91.1	-102.7	-114.4	na	na	na	na
12	-8.3	-17	-26.2	-35.7	-45.6	-55.8	-66.3	-77.1	-88.1	-99.4	-111	-122.7	na	na	na
13	-7.8	-16.1	-24.8	-34	-43.5	-53.4	-63.6	-74.1	-84.9	-95.9	-107.2	-118.8	-130.5	na	na
14	-7.2	-14.9	-23.2	-32	-41.1	-50.7	-60.6	-70.8	-81.3	-92	-103.1	-114.4	-125.9	-137.7	na
15	-6.4	-13.6	-21.3	-29.6	-38.4	-47.5	-57.1	-67	-77.2	-87.7	-98.4	-109.5	-120.8	-132.3	-144.1
16	-5.4	-11.8	-18.9	-26.7	-35	-43.7	-52.9	-62.4	-72.3	-82.5	-93	-103.8	-114.8	-126.1	-137.7
17	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96	-106.7	-117.8	-129.1
18	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96	-106.7	-117.8
19	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96	-106.7
20	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96
21	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5
22	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3
23	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4
24	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8
25	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7
26	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9
27	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6
28	0	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9
29	0	0	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7
30	0	0	0	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3

In the first two years, the producer dropped from an average of 12 acre-inches to 9 acre-inches, a reduction of 3 acre-inches, so the reduction was 26 bu/acre.

2011 Crop Year		
Year	APH Yield	Acre-inches of water
2001	190	12
2002	187	12
2003	185	12
2004	169	12
2005	112	12
2006	188	12
2007	202	12
2008	198	12
2009	112	12
2010	186	12
avg	172.9	12

approved yield
 $173 - 26 = 147$ bu/acre

2012 Crop Year		
Year	APH Yield	Acre-inches of water
2002	187	12
2003	185	12
2004	169	12
2005	112	12
2006	188	12
2007	202	12
2008	198	12
2009	112	12
2010	186	12
2011	150	9
avg	168.9	11.7

approved yield
 $169 - 26 = 143$ bu/acre

Historical Water Use, Inches	Reduction in Historical Water Supply, Inches of Gross Irrigation														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Reduction in Bushels per Acre														
1	-11.8	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	-11.5	-23.3	na	na	na	na	na	na	na	na	na	na	na	na	na
3	-11.3	-22.8	-34.6	na	na	na	na	na	na	na	na	na	na	na	na
4	-11	-22.3	-33.9	-45.6	na	na	na	na	na	na	na	na	na	na	na
5	-10.8	-21.8	-33.1	-44.7	-56.4	na	na	na	na	na	na	na	na	na	na
6	-10.5	-21.3	-32.3	-43.6	-55.2	-66.9	na	na	na	na	na	na	na	na	na
7	-10.2	-20.7	-31.5	-42.5	-53.8	-65.4	-77.1	na	na	na	na	na	na	na	na
8	-9.9	-20.1	-30.6	-41.4	-52.4	-63.7	-75.2	-87	na	na	na	na	na	na	na
9	-9.5	-19.4	-29.6	-40.1	-50.9	-61.9	-73.2	-84.8	-96.5	na	na	na	na	na	na
10	-9.2	-18.7	-28.6	-38.8	-49.3	-60.1	-71.1	-82.4	-93.9	-105.7	na	na	na	na	na
11	-8.8	-17.9	-27.5	-37.3	-47.5	-58	-68.8	-79.9	-91.1	-102.7	-114.4	na	na	na	na
12	-8.3	-17	-26.2	-35.7	-45.6	-55.8	-66.3	-77.1	-88.1	-99.4	-111	-122.7	na	na	na
13	-7.8	-16.1	-24.8	-34	-43.5	-53.4	-63.6	-74.1	-84.9	-95.9	-107.2	-118.8	-130.5	na	na
14	-7.2	-14.9	-23.2	-32	-41.1	-50.7	-60.6	-70.8	-81.3	-92	-103.1	-114.4	-125.9	-137.7	na
15	-6.4	-13.6	-21.3	-29.6	-38.4	-47.5	-57.1	-67	-77.2	-87.7	-98.4	-109.5	-120.8	-132.3	-144.1
16	-5.4	-11.8	-18.9	-26.7	-35	-43.7	-52.9	-62.4	-72.3	-82.5	-93	-103.8	-114.8	-126.1	-137.7
17	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96	-106.7	-117.8	-129.1
18	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96	-106.7	-117.8
19	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96	-106.7
20	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96
21	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5
22	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3
23	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4
24	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8
25	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7
26	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9
27	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6
28	0	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9
29	0	0	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7
30	0	0	0	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3

In years three through six, producer's average yield drops down to a rounded 11 acre-inches, so instead of a 3 inch reduction to go to 9 acre-inches, it is only a 2 inch reduction, moving the producer along on the chart to a 18 bu/acre reduction.

2013 Crop Year		
Year	APH Yield	Acre-inches of water
2003	185	12
2004	169	12
2005	112	12
2006	188	12
2007	202	12
2008	198	12
2009	112	12
2010	186	12
2011	150	9
2012	155	9
avg	165.7	11.4

approved yield 166-18=
148 bu/acre

2014 Crop Year		
Year	APH Yield	Acre-inches of water
2004	169	12
2005	112	12
2006	188	12
2007	202	12
2008	198	12
2009	112	12
2010	186	12
2011	150	9
2012	155	9
2013	162	9
avg	163.4	11.1

approved yield 163-18=
145 bu/acre

Historical Water Use, Inches	Reduction in Historical Water Supply, Inches of Gross Irrigation														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Reduction in Bushels per Acre														
1	-11.8	na	na	na	na	na	na	na	na	na	na	na	na	na	na
2	-11.5	-23.3	na	na	na	na	na	na	na	na	na	na	na	na	na
3	-11.3	-22.8	-34.6	na	na	na	na	na	na	na	na	na	na	na	na
4	-11	-22.3	-33.9	-45.6	na	na	na	na	na	na	na	na	na	na	na
5	-10.8	-21.8	-33.1	-44.7	-56.4	na	na	na	na	na	na	na	na	na	na
6	-10.5	-21.3	-32.3	-43.6	-55.2	-66.9	na	na	na	na	na	na	na	na	na
7	-10.2	-20.7	-31.5	-42.5	-53.8	-65.4	-77.1	na	na	na	na	na	na	na	na
8	-9.9	-20.1	-30.6	-41.4	-52.4	-63.7	-75.2	-87	na	na	na	na	na	na	na
9	-9.5	-19.4	-29.6	-40.1	-50.9	-61.9	-73.2	-84.8	-96.5	na	na	na	na	na	na
10	-9.2	-18.7	-28.6	-38.8	-49.3	-60.1	-71.1	-82.4	-93.9	-105.7	na	na	na	na	na
11	-8.8	-17.9	-27.5	-37.3	-47.5	-58	-68.8	-79.9	-91.1	-102.7	-114.4	na	na	na	na
12	-8.3	-17	-26.2	-35.7	-45.6	-55.8	-66.3	-77.1	-88.1	-99.4	-111	-122.7	na	na	na
13	-7.8	-16.1	-24.8	-34	-43.5	-53.4	-63.6	-74.1	-84.9	-95.9	-107.2	-118.8	-130.5	na	na
14	-7.2	-14.9	-23.2	-32	-41.1	-50.7	-60.6	-70.8	-81.3	-92	-103.1	-114.4	-125.9	-137.7	na
15	-6.4	-13.6	-21.3	-29.6	-38.4	-47.5	-57.1	-67	-77.2	-87.7	-98.4	-109.5	-120.8	-132.3	-144.1
16	-5.4	-11.8	-18.9	-26.7	-35	-43.7	-52.9	-62.4	-72.3	-82.5	-93	-103.8	-114.8	-126.1	-137.7
17	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96	-106.7	-117.8	-129.1
18	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96	-106.7	-117.8
19	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96	-106.7
20	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5	-96
21	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3	-85.5
22	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4	-75.3
23	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8	-65.4
24	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7	-55.8
25	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9	-46.7
26	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6	-37.9
27	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9	-29.6
28	0	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7	-21.9
29	0	0	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3	-14.7
30	0	0	0	0	0	0	0	0	0	0	0	0	0	-2.9	-8.3

Limited Irrigation Corn and Soybean Counties

- County Meets RMA Standards for Corn
- County Meets RMA Standards for Soybeans

Standards for counties to be considered for the limited irrigation program:

- At least 2,000 Irrigated acres planted
- At least 30% of total county planted acres are irrigated
- Non-Irrigated T-Yield is less than 80% of the Irrigated T-Yield
- UNL Limited Irrigation Data is available

Counties requested by the Kansas Water Office are included where limited irrigation data exists

