

Fertility and Water Trial

Humalfa

www.Humalfa.com

Irrigation Research Foundation -- Yuma, CO

Show Plots -- Circle C East

Plot Size: 4 rows/variety DKC 55-24vt3

Population: 35,500

Planting Date: 5/2/10

Harvest Date: 10/15/10

Application Dates

4/12/10

05/05/10

1st 06/03/10

2nd 06/17/10

3rd 07/03/10

4th 07/17/10

Strip-Till: 20.5 - 35.8 - 0 @ 10 gal @ 4" & 15 gal @ 10"

Starter: 30-40-0-4s-.053 Zn @ 19 gal./acre

Through Sprinkler: 28-0-0-5 @ 10 gal./acre

Herbicide Treatments

4/28/2010

Degree Xtra @ 3 qt/acre

Round-Up @ 32 oz./acre

Class Act @ .54 qt/acre

Total Applied Water = Full water 13.75" / Low Water 8.36"

Treatment		YIELD bu./acre	Lodging Rating	Moisture	Test Weight
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5 tons per acre Humalfa on 1/5/10

starter no 32 full water		201.4	0.0	13.7	59.0
starter no 32 low water		234.7	0.0	14.3	58.0
no starter no 32 low water		206.1	0.0	14.2	60.0
no starter no 32 full water		221.2	0.0	13.5	60.0
starter + 32 full water		219.8	0.0	14.1	60.0
starter + 32 low water		195.7	0.0	14.6	60.0
no starter + 32 low water		218.8	0.0	14.0	60.0
no starter + 32 full water		224.9	0.0	13.9	60.0

Adjusted to 15.5% moisture

Lodging rating: 0/no lodging 10/100% lodging

Corn is judged as lodged if it is "tipped over" or broken below the ear.

PLOT SUBJECT TO HIGH WINDS

Weather, daytime temperatures and other factors affect data results, as in any year.

*The Irrigation Research Foundation strives to record and control these factors where possible.
Not all of these factors are measurable or recognized.*