

# Limited Water Study

## Earth Tec Solutions

[www.earthtecsolutions.com](http://www.earthtecsolutions.com)

*Irrigation Research Foundation -- Yuma, CO*

Variety: Dekalb 55-24  
Planted Population: 35,500

Planting Date: 5/5/10  
Harvest Date: 10/11/10

### Application Dates

**Strip-Till:** (analysis) 20.5 - 35.8 - 0 (applied 10 gal at 4" level & 12 gal @ 10" level)

4/9/10

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

5/5/10

**Through Sprinkler:** (analysis) 28-0-0-5

10 gal./acre on 6/28/10

13 gal./acre on 6/11/2010

13 gal./acre on 7/19/2010

### Herbicide Treatments

4/28/10

6/16/10

Degree Xtra @ 3 qt/acre

Round-up @ 32 oz./acre

Class Act @ .54qt/acre

Round-up @ 32 oz./acre

AMS @ 17 lbs/100 gal.

Treatments	Moisture/Test Weight	Yeild
Earth Tec - Dry	12.5/56	131.80
Earth Tec - 50%	16/60	179.59
Earth Tec - 25%	17.3/59	240.30
Earth Tec - full	15.5/60	318.85

### Plots 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.*