

Cytozyme Labs

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Irrigation Research Foundation -- Yuma, CO

Circle A

Planting Date: 5/23/13

Harvest Date: 10/8/13

Population: 220k

Variety: S-28 K-1

Application Dates

<u>Strip-Till</u> : 19-13-0 = 10 gal. @ 4" & 13 gal. @ 10"	4/8/13
<u>Starter</u> : 21.8-11-1.8-1.2s-.1zn @ 12.5 gal./acre	5/23/13
<u>Through Sprinkler</u> : 32-0-0 @ 10 gal./acre at 6 gal/acre	6/20/13 7/3/13

Applied water

15.75"

Herbicide Treatments

Boundry @ 1.2pts/acre Touchdown Total @ 24 oz./acre AMS @ 17#'s per 100 gal. of water NIS @ 1qt. per 100 gal. of water	5/25/13
Fusilaide @ 8oz./acre Touchdown @ 24oz./acre NIS @ 1 qt per 100 gal. of water AMS @ 17 lbs. per 100 gal of water	6/10 7/23/13

Insecticide Treatments

Orthene 97 aerial application @ 1lb/acre	7/14/13
Endigo @ 5 oz./acre	6/26/13

Fungicide Treatments

Quilt @ 10.5oz./acre	6/26/13
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Application Dates	Protocols	Moisture/Test Wgt	Yield
5/23/13 6/10/13 7/19/13	Nutriplant SL @ 4 fl oz in 4 gal water, applied in-furrow at planting Nutriplant AG @ 16 fl oz/acre prior to flower stage Nutriplant AG @ 16 fl oz/acre R3-R4	13.1/60	81.49
5/23/13	Soil + @ 16 fl oz/acre with 4 fl oz Nutriplant SL in 4 gal water, applied in-furrow at planting	12.5/52	79.21
5/23/13 6/10/13 7/19/13	Nutriplant SL @ 4fl oz in 4 gal water, applied in-furrow at planting Nutriplant AG @ 16fl oz/acre with glyphosate prior to flower Nutriplant AG @ 16fl oz/acre R3-R4	13.6/50	82.64
5/23/13 6/10/13 7/19/13	Nutriplant SL @ 4 fl oz/acre + Nutri CoMo @ 4 fl oz/acre in 4gal of water per acre applied at planting in-furrow Nutriplant AG @ 16fl oz/acre + Nutri ZnMn @ 7 oz/acre prior to flower Nutriplant AG @ 16fl oz/acre + Nutri ZnMn @ 7 oz/acre at R3-R4	19.7/44	79.80
	Control	11/52	73.97

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.