

Amway

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Irrigation Research Foundation -- Yuma, CO

Circle C - NW qtr
 Variety: Syngenta S28-B4
 Population: 220,000

Planted Date: 5/22/12
 Harvested: 9/26/12

	<u>Application Dates</u>
<u>Strip-Till:</u> Analysis=19-13-0 Actual=48.3-31.8-0 applied @ 4"- 10gal. and 10"- 13gal.	3/29/12
<u>Starter:</u> 15-20-0-2s-.027Zn@ 9gal./acre	5/17/12
<u>Through Sprinkler:</u> 32-0-0 10gal./acre 7gal./acre	6/19/12 6/26 7/5/12
<u>Reclaim Soil Detoxifier:</u> 16 oz./acre	4/13/12

Herbicide Treatments

Round-up @ 32oz./acre Assure II @ 10oz./acre AMS @ 17lbs./100 gal. water and NIS @ 1qt./ 100 gal. water/acre	5/21 6/28/12
Round-up @ 32oz./acre Assure II @ 8oz./acre AMS @ 17lbs./100 gal. water and NIS @ 1qt./ 100 gal. water/acre	7/15/12

Insecticide Treatments

Lanate @ 1pt./acre	7/20/12
Coragen @ 10 oz./acre with MSO @ .25%	8/14/12

Treatment Dates	study	Treatment	Moisture/ Test Weight	Yield
5/22/12	drip irrigated - 220k pop	15oz./acre of APSA 80 applied directly after planting	7.4/55	66.36
5/22/12	drip irrigated - 220k pop	30 oz./acre of APSA 80 applied directly after planting	7.2/53	64.58
5/22/12	control	Control for drip irrigated	7.2/53	61.36

Plants subjected to high winds and warm temperatures

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.