

# Crop Production Services

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*Irrigation Research Foundation -- Yuma, CO -- Circle E*

*Lab Results from Olsen's Agricultural Laboratory -- McCook, NE*

Planted: Fall 2006

Drilled Population: 17 lbs./acre

fertilizer dry spread 7-31-18-s=8 @375#/acre

03/29/10

**Herbicide Applied:**

Velpar 1.20 pts/acre

03/29/10

Raptor 6 oz./acre & NIS @ 1qt./100 gal.

7/28/10

<i>Lab Results</i>	<i>1st Cutting 6/1/10</i>		<i>2nd Cutting 7/1/10</i>		<i>3rd Cutting 8/11/10</i>		<i>4th Cutting 9/17/10</i>	
	<i>Rec'd</i>	<i>Dried</i>	<i>Rec'd</i>	<i>Dried</i>	<i>Rec'd</i>	<i>Dried</i>	<i>Rec'd</i>	<i>Dried</i>
Moisture %	19.00	0.00	5.70	0.00	19.10	0.00	11.20	0.00
Dry Matter %	81.00	100.00	94.30	100.00	80.90	100.00	88.80	100.00
Crude Protein %	21.50	26.60	22.20	23.50	19.60	24.30	25.10	28.30
Acid Detergent Fiber %	26.90	33.20	28.20	29.90	30.60	37.80	28.50	32.10
Neutral Detergent Fiber %	28.20	34.80	32.60	34.50	31.40	38.80	31.80	35.80
Digestable NDF %								
Calcium %	1.27	1.57	1.21	1.28	1.16	1.44	1.44	1.62
Phosphorus %	0.25	0.31	0.18	0.29	0.27	0.33	0.26	0.29
Magnesium %	0.19	0.24	0.23	0.24	0.19	0.24	0.24	0.27
Potassium %	3.06	3.78	3.06	3.24	2.70	3.34	2.84	3.20
Heat Damaged Protein %								
Available Protein %								
Digestable Protein Est. %								
TDN Estimated %	51.20	63.20	62.90	66.70	47.10	58.30	57.20	64.40
ENE Est., Therms / cwt								
NE / Lactation, Mcal/lb	0.53	0.65	0.65	0.69	0.48	0.59	0.59	0.66
NE / Maintenance, Mcal/lb	0.52	0.64	0.66	0.70	0.46	0.57	0.59	0.66
NE / Gain, Mcal/lb	0.31	0.38	0.40	0.43	0.25	0.31	0.35	0.39
<b>Relative Feed Value (RFV)</b>	<b>168.00</b>		<b>177.00</b>		<b>143.00</b>		<b>166.00</b>	
Relative Forage Quality (RFQ)								
<b>Tons per Acre</b>	<b>2.00</b>		<b>1.30</b>		<b>1.00</b>		<b>1.10</b>	
<b>Total Tons per Acre</b>			5.40		<b>Average RFV</b>		163.50	

**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.