

Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Alfalfa, hay, southern
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Perennial Crop	Estimated carryover moisture used at season:
Begin Growth: 3/2 End Growth: 10/20	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	1.89	0.13	1.26	0.18	1.21	0.06	
April	3.96	0.04	3.92	0.05	3.91	0.13	0.14
May	6.83	0.10	6.73	0.14	6.69	0.22	0.24
June	9.53	0.36	9.17	0.48	9.04	0.32	0.35
July	10.37	1.35	9.01	1.82	8.54	0.33	0.37
August	8.90	1.43	7.47	1.93	6.97	0.29	0.31
September	6.18	0.74	5.44	0.99	5.19	0.20	0.22
October	2.61	0.36	1.75	0.48	1.62	0.13	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	50.26	4.51	44.75	6.08	43.18		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Alfalfa, hay, southern**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Perennial Crop**

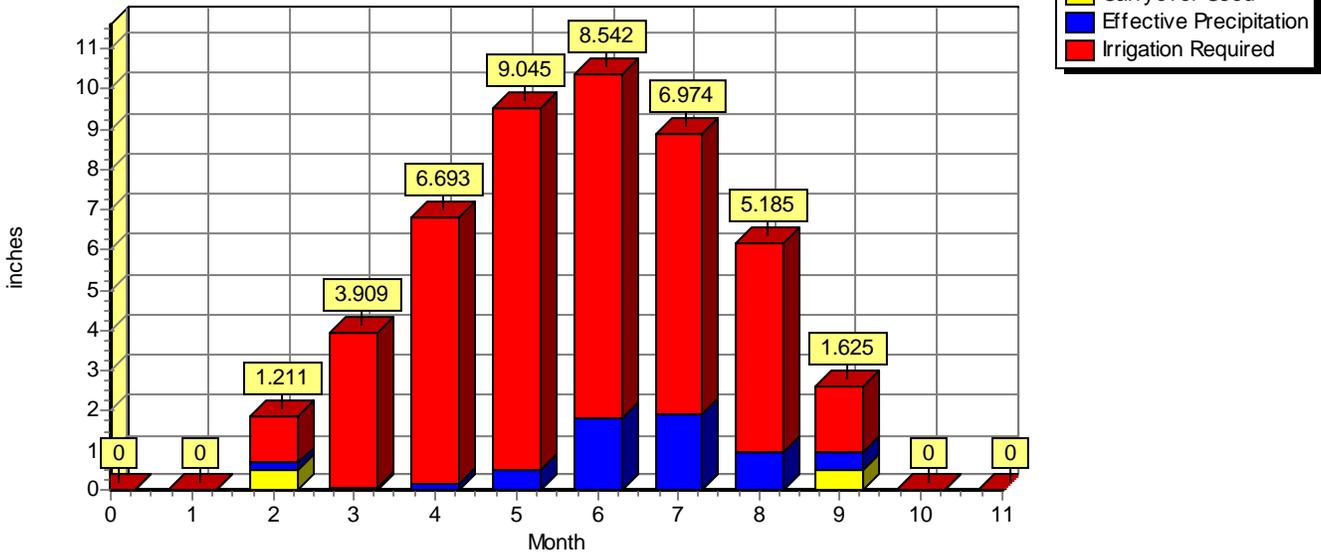
Begin Growth: **3/2** End Growth: **10/20**

Net irrigation application: **2** inches

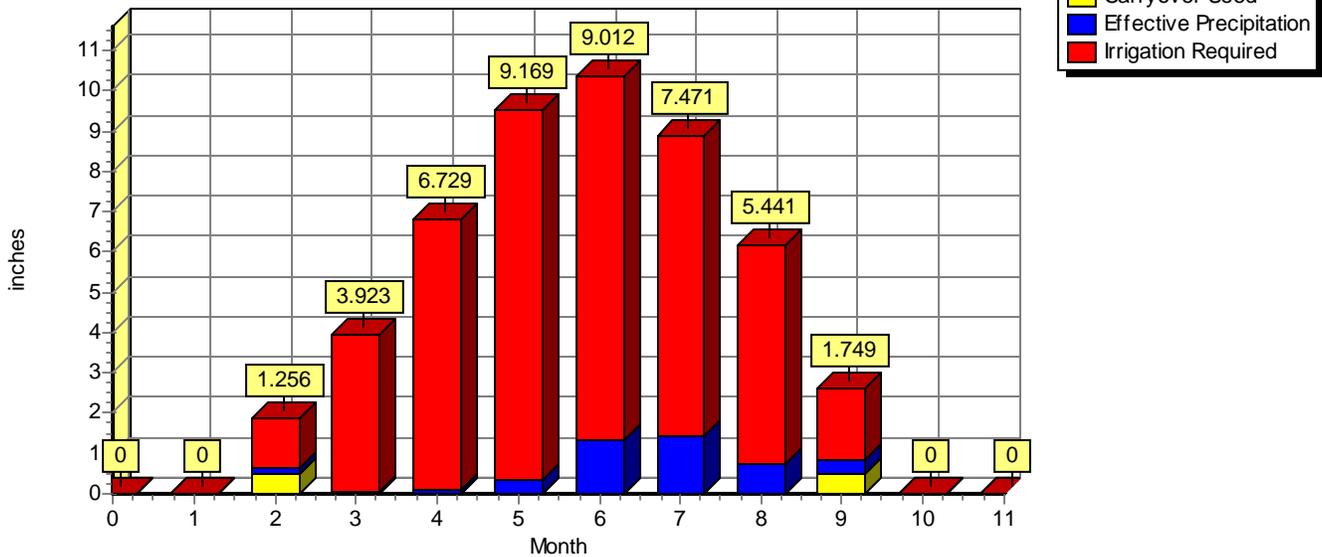
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Chile, green
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 3/15 End Growth: 9/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.51	0.07	0.00	0.09	0.00	0.03	
April	2.09	0.04	2.00	0.05	1.97	0.07	0.08
May	4.60	0.09	4.51	0.12	4.47	0.15	0.16
June	6.90	0.31	6.59	0.42	6.48	0.23	0.25
July	7.51	1.15	6.35	1.55	5.95	0.24	0.26
August	5.54	1.19	4.35	1.60	3.94	0.18	0.20
September	1.37	0.30	0.57	0.40	0.47	0.09	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	28.51	3.14	24.37	4.23	23.28		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Chile, green**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

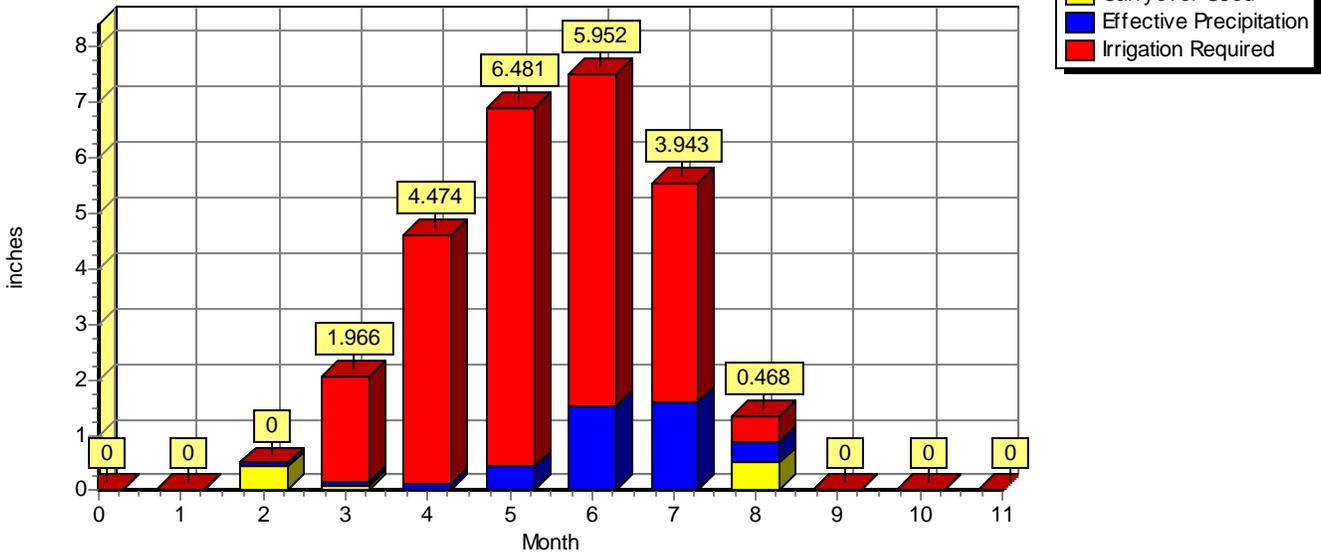
Begin Growth: **3/15** End Growth: **9/15**

Net irrigation application: **2** inches

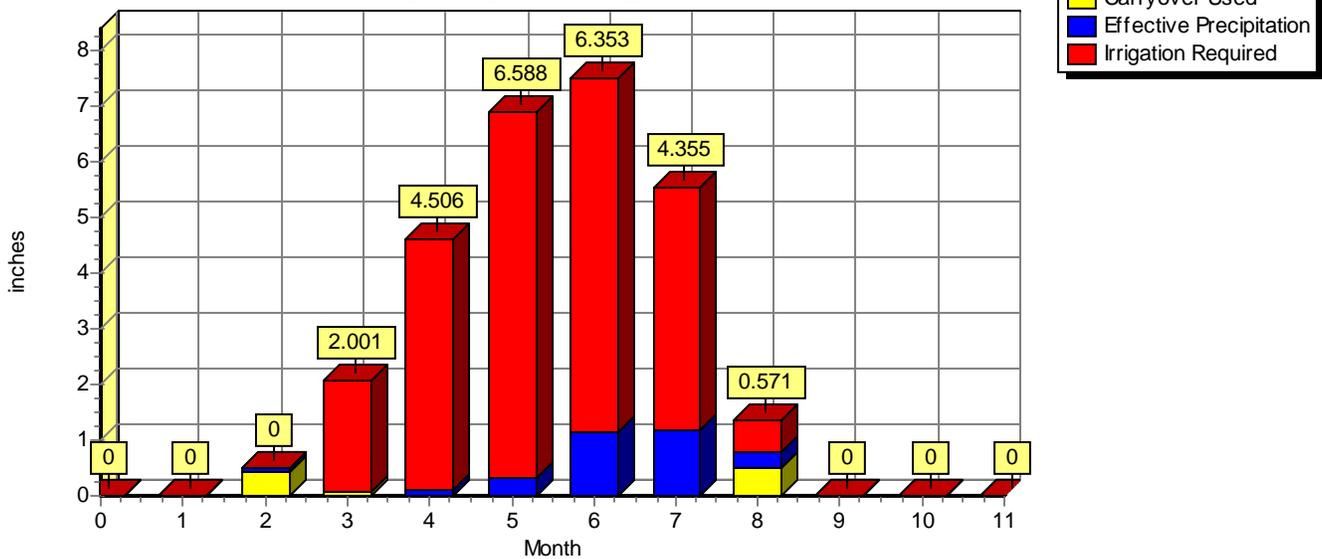
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Chile, red
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 3/15 End Growth: 10/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.50	0.07	0.00	0.09	0.00	0.03	
April	1.94	0.03	1.84	0.05	1.80	0.06	0.07
May	4.29	0.09	4.20	0.12	4.17	0.14	0.15
June	6.72	0.31	6.41	0.41	6.30	0.22	0.24
July	7.71	1.17	6.54	1.57	6.14	0.25	0.27
August	6.51	1.25	5.26	1.69	4.82	0.21	0.23
September	3.92	0.65	3.27	0.88	3.05	0.13	0.14
October	0.87	0.24	0.13	0.32	0.05	0.06	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	32.46	3.81	27.65	5.13	26.33		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Chile, red**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

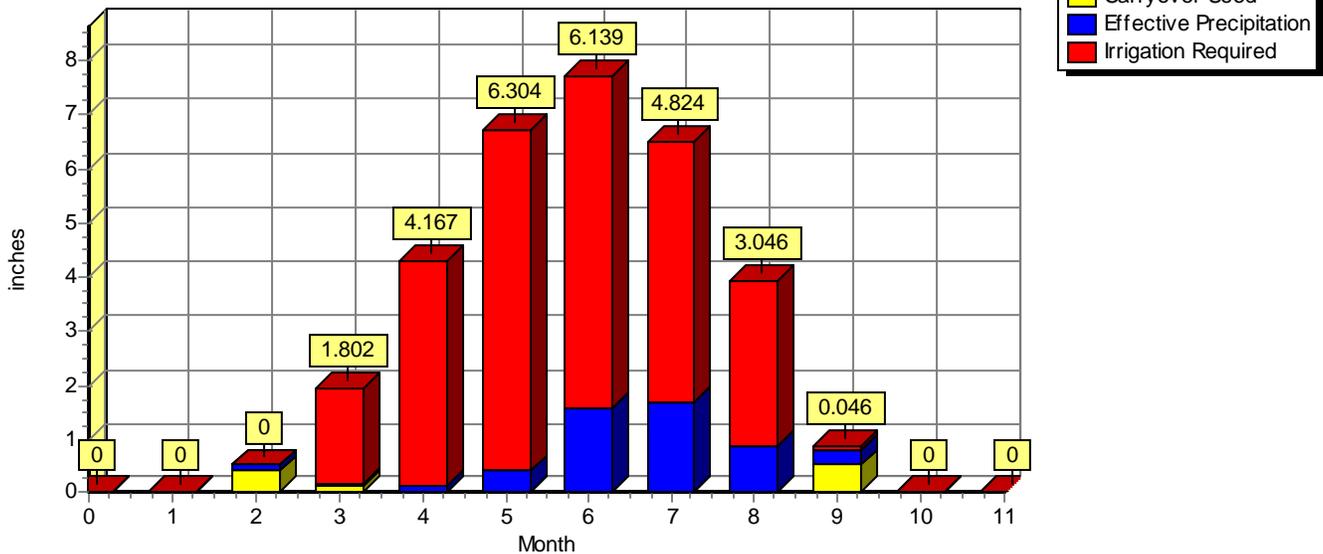
Begin Growth: **3/15** End Growth: **10/15**

Net irrigation application: **2** inches

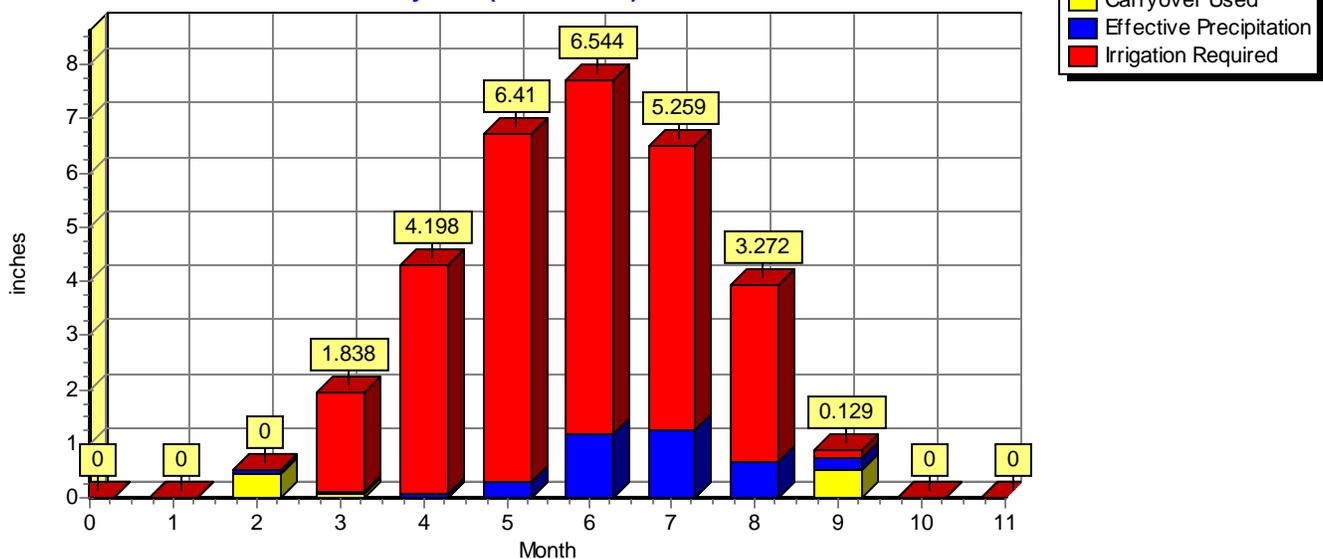
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

Irrigation Water Requirements
Normal Year (50% chance)



Irrigation Water Requirements
Dry Year (80% chance)



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Corn, grain
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 4/15 End Growth: 10/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.99	0.02	0.47	0.02	0.47	0.06	
May	3.53	0.09	3.45	0.12	3.42	0.11	0.12
June	6.79	0.31	6.48	0.41	6.38	0.23	0.25
July	9.74	1.31	8.44	1.76	7.98	0.31	0.34
August	8.88	1.43	7.45	1.93	6.96	0.29	0.31
September	6.06	0.73	5.33	0.99	5.07	0.20	0.21
October	1.73	0.26	0.97	0.35	0.88	0.12	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	37.73	4.14	32.59	5.58	31.15		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Corn, grain**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

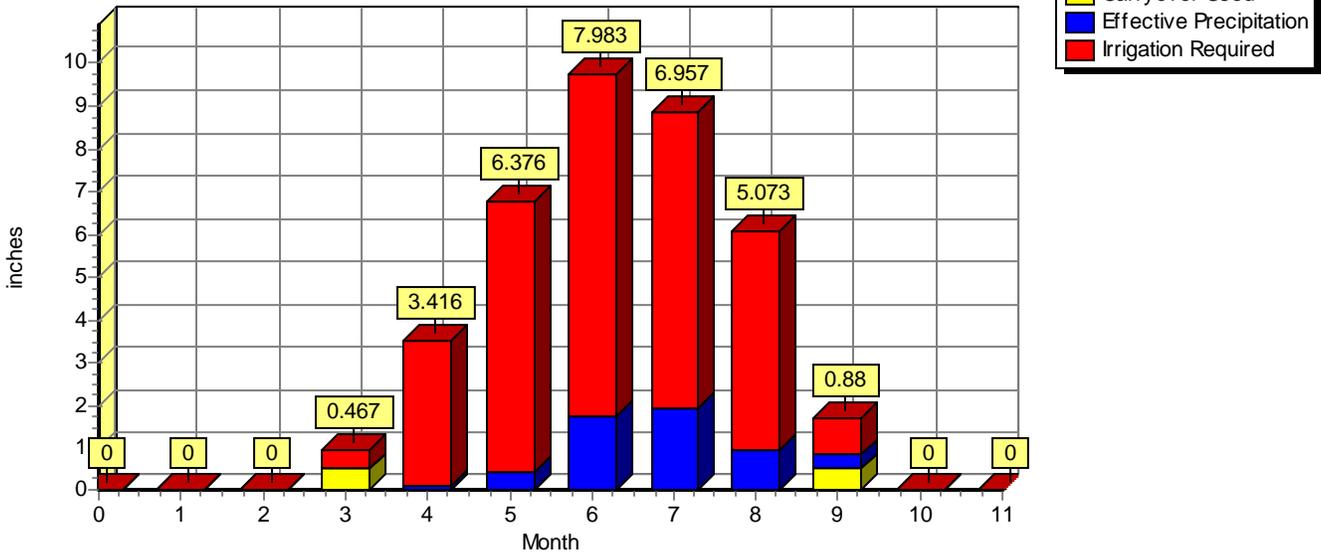
Begin Growth: **4/15** End Growth: **10/15**

Net irrigation application: **2** inches

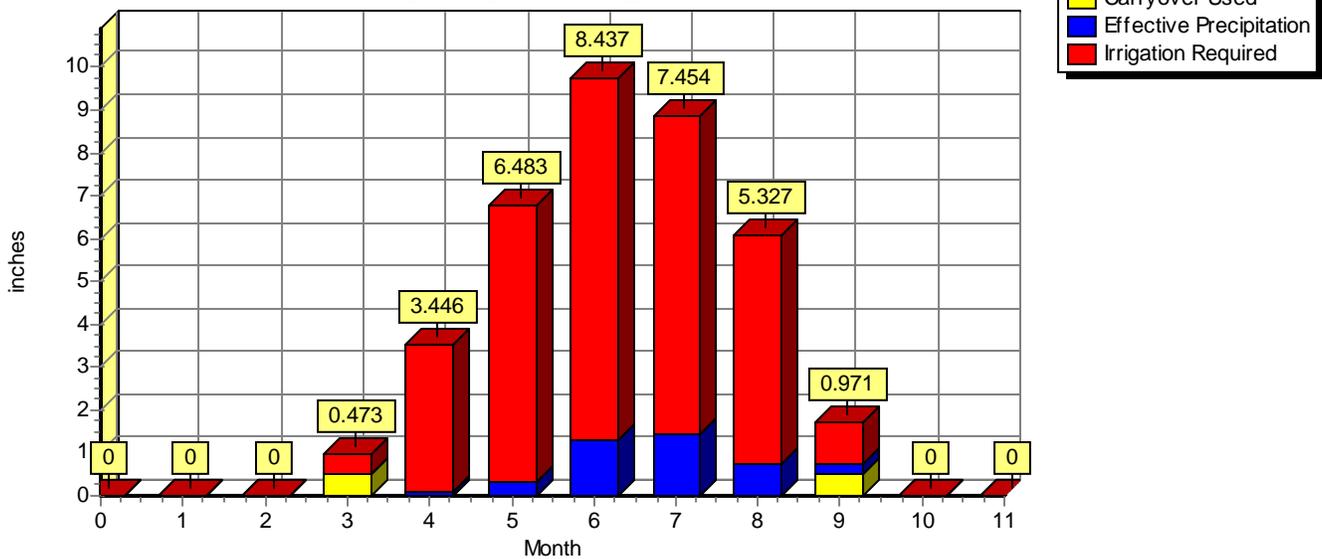
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Corn, silage
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 1 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 4/15 End Growth: 9/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.98	0.01	0.46	0.02	0.46	0.06	
May	3.51	0.07	3.44	0.10	3.41	0.11	0.13
June	6.92	0.26	6.66	0.35	6.57	0.23	0.26
July	9.83	1.10	8.73	1.48	8.35	0.32	0.36
August	8.84	1.20	7.65	1.61	7.23	0.29	0.33
September	2.99	0.30	2.19	0.40	2.09	0.20	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	33.07	2.94	29.13	3.97	28.11		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Corn, silage**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

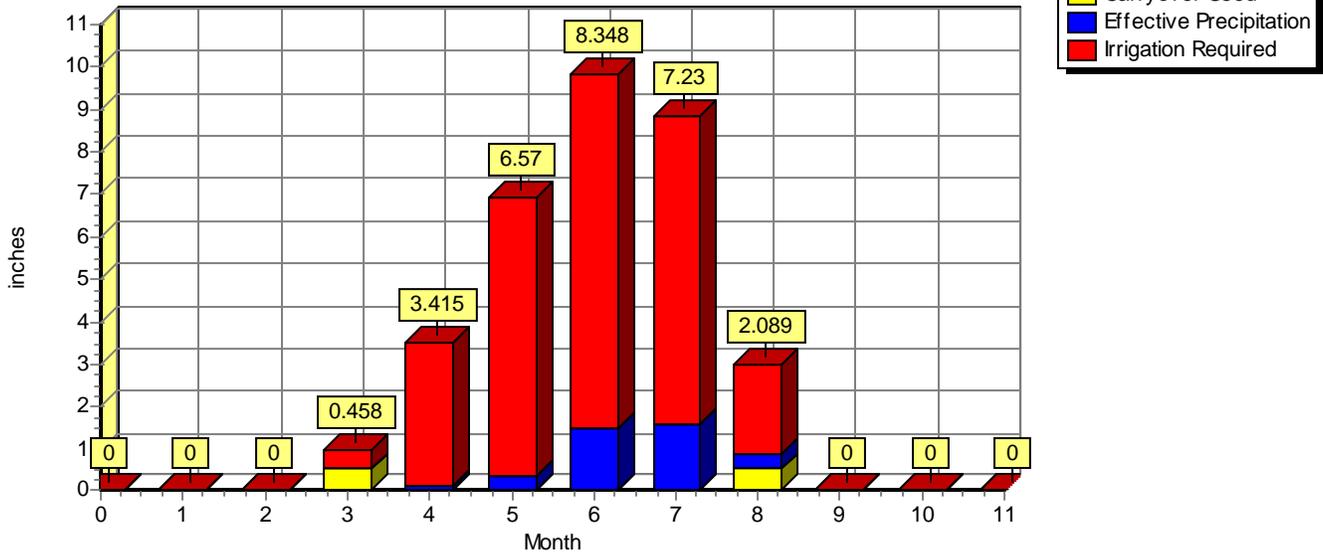
Begin Growth: **4/15** End Growth: **9/15**

Net irrigation application: **1** inches

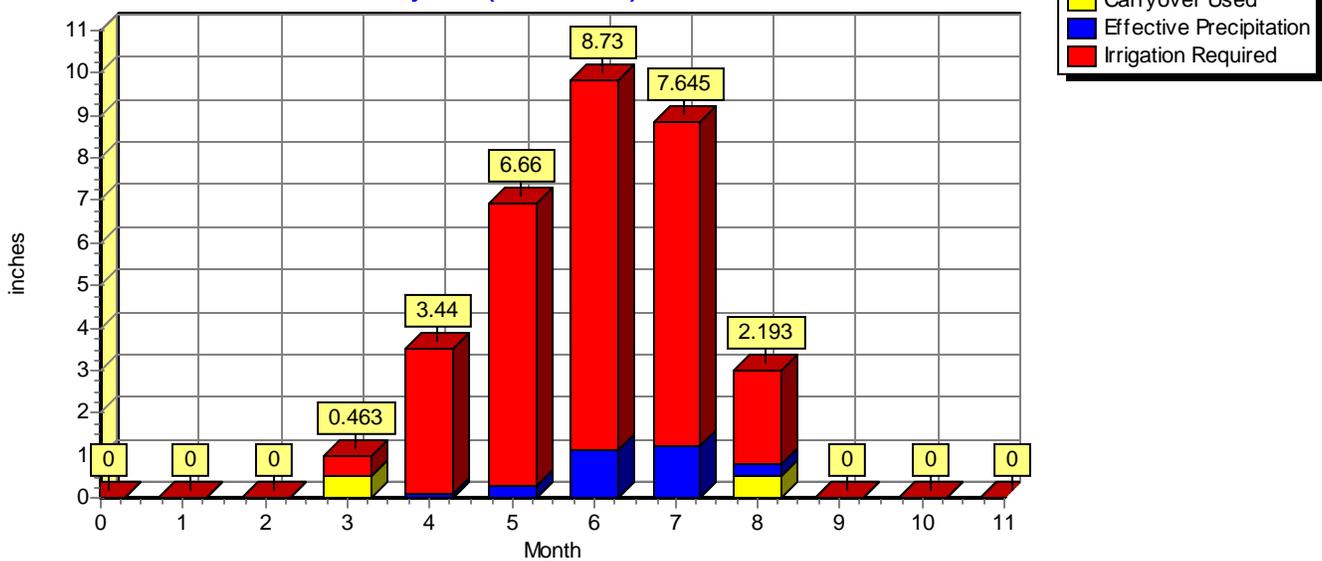
Estimated carryover moisture used at season:

Begin: **0.5** inches End **0.5** inches

Irrigation Water Requirements
Normal Year (50% chance)



Irrigation Water Requirements
Dry Year (80% chance)



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Cotton
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 4/10 End Growth: 10/30	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.57	0.02	0.04	0.03	0.04	0.03	
May	2.01	0.08	1.94	0.11	1.91	0.06	0.07
June	5.01	0.28	4.73	0.38	4.63	0.17	0.18
July	8.75	1.24	7.51	1.67	7.08	0.28	0.31
August	8.32	1.39	6.93	1.87	6.45	0.27	0.29
September	5.16	0.70	4.46	0.94	4.22	0.17	0.18
October	2.37	0.49	1.38	0.66	1.21	0.08	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	32.18	4.19	26.99	5.65	25.54		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET (Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Cotton**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

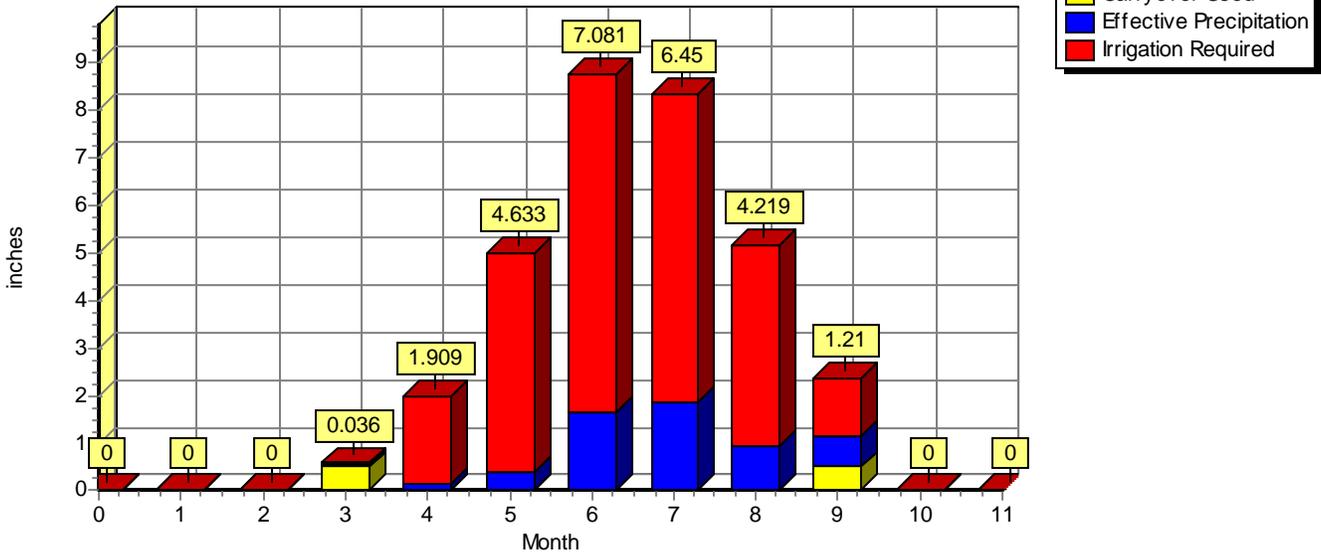
Begin Growth: **4/10** End Growth: **10/30**

Net irrigation application: **2** inches

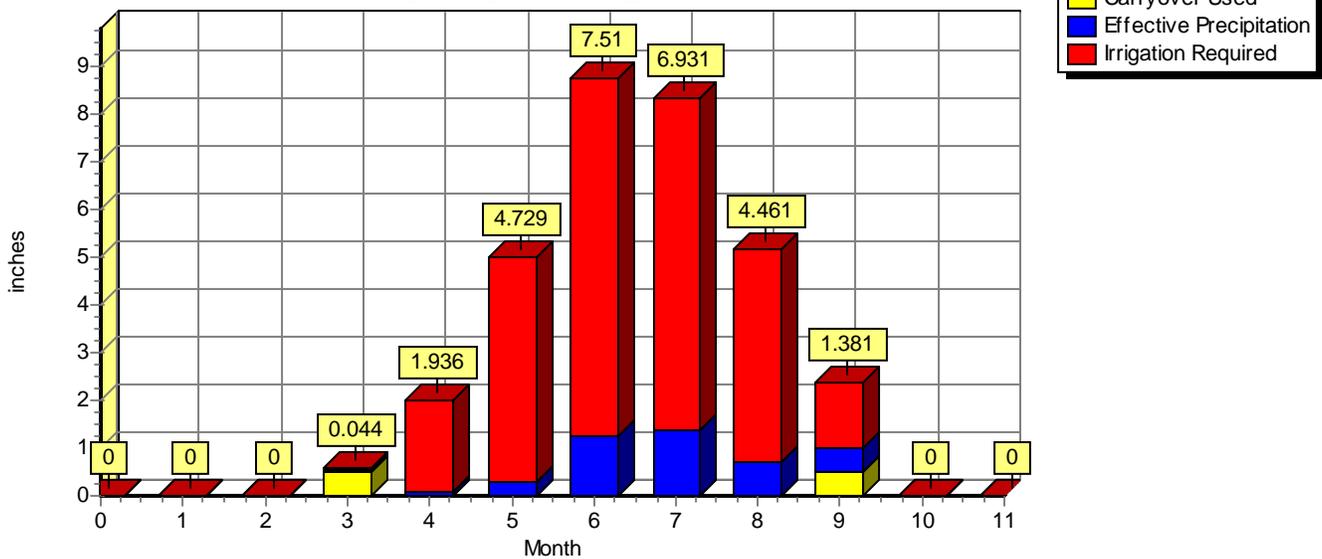
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Grapes
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 0.5 inches
Crop Curve: Blaney Criddle Perennial Crop	Estimated carryover moisture used at season:
Begin Growth: 3/15 End Growth: 9/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.56	0.05	0.01	0.07	0.00	0.03	
April	2.06	0.03	2.03	0.03	2.02	0.07	0.08
May	4.48	0.07	4.42	0.09	4.40	0.14	0.17
June	6.76	0.22	6.53	0.30	6.46	0.23	0.27
July	7.49	0.83	6.66	1.12	6.37	0.24	0.29
August	6.36	0.90	5.46	1.21	5.15	0.21	0.24
September	2.01	0.23	1.28	0.31	1.20	0.13	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	29.72	2.32	26.40	3.13	25.59		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Grapes**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Perennial Crop**

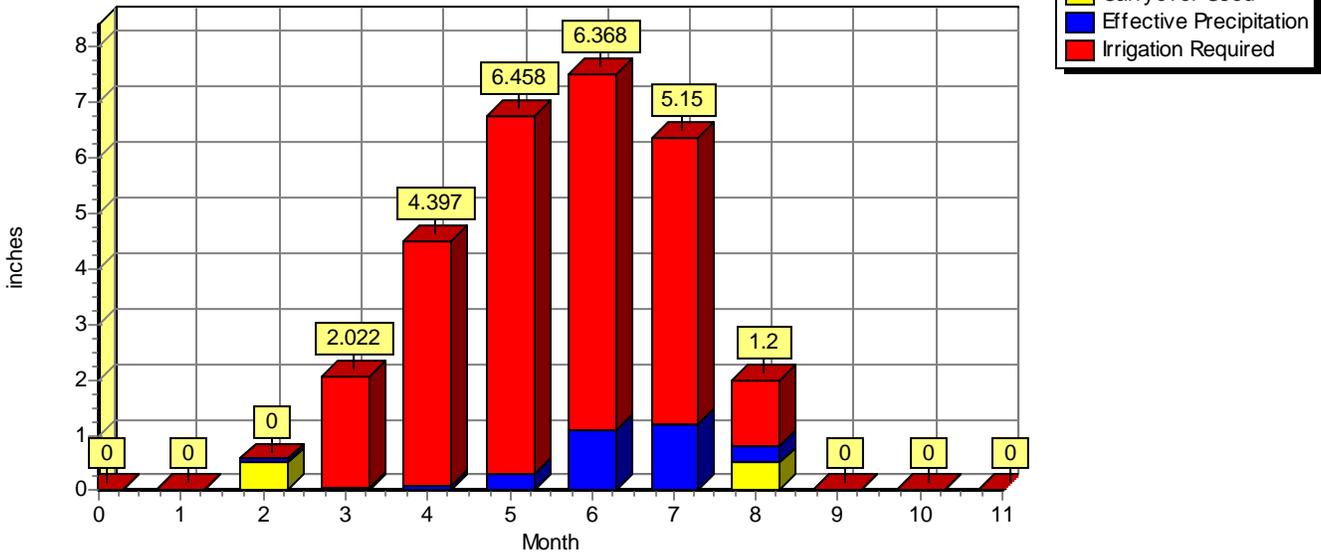
Begin Growth: **3/15** End Growth: **9/15**

Net irrigation application: **0.5** inches

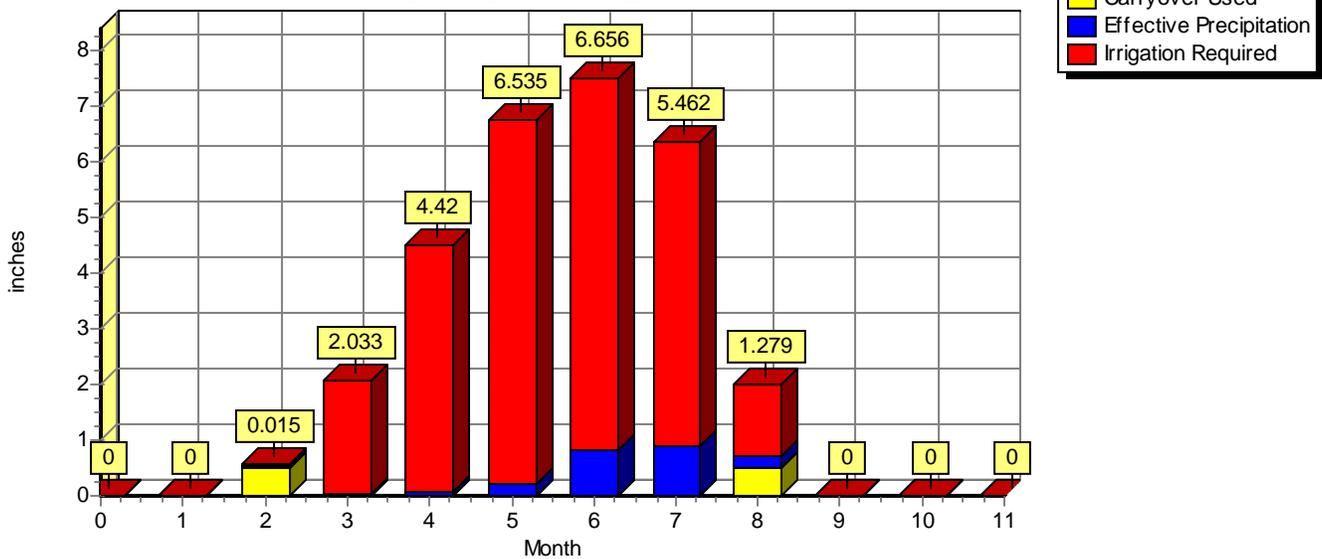
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Oat hay
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 3/2 End Growth: 5/30	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	2.96	0.14	2.32	0.19	2.27	0.10	
April	5.02	0.04	4.97	0.06	4.96	0.17	0.18
May	2.71	0.08	2.13	0.11	2.10	0.09	
June	0.00	0.00	0.00	0.00	0.00	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	
September	0.00	0.00	0.00	0.00	0.00	0.00	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	10.69	0.26	9.43	0.35	9.34		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Oat hay**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

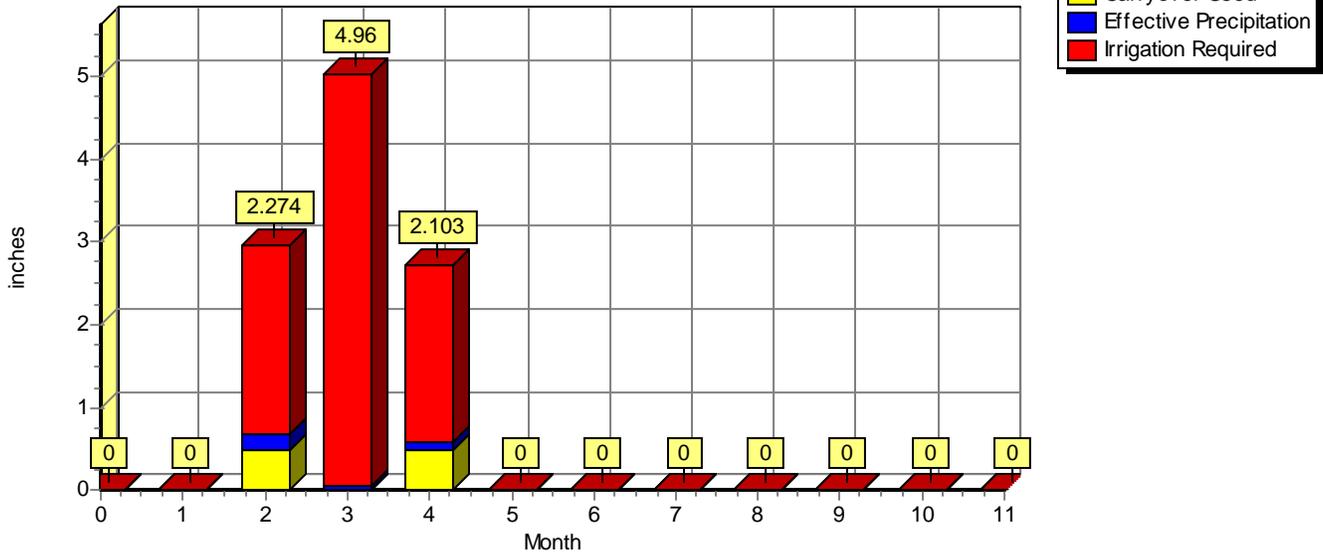
Begin Growth: **3/2** End Growth: **5/30**

Net irrigation application: **2** inches

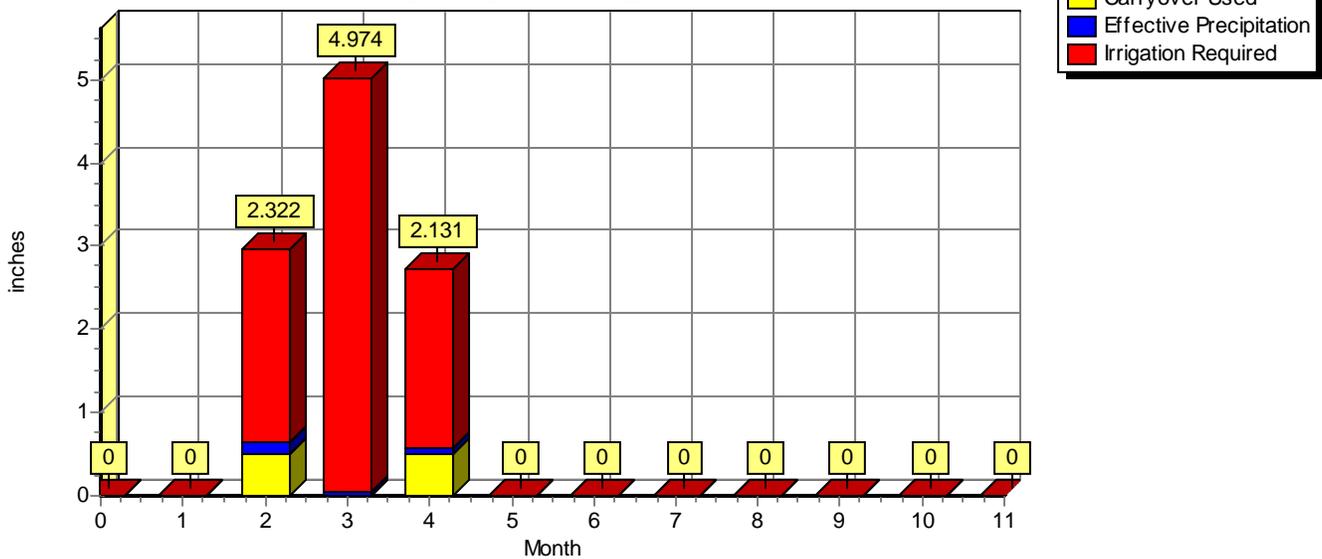
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

Irrigation Water Requirements
Normal Year (50% chance)



Irrigation Water Requirements
Dry Year (80% chance)



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Onion, spring plant, dry
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 1 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 3/1 End Growth: 7/30	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.92	0.11	0.31	0.14	0.27	0.03	
April	2.79	0.03	2.76	0.04	2.75	0.09	0.11
May	5.14	0.08	5.06	0.11	5.03	0.17	0.19
June	6.60	0.26	6.35	0.34	6.26	0.22	0.25
July	5.02	0.82	3.70	1.11	3.41	0.17	
August	0.00	0.00	0.00	0.00	0.00	0.00	
September	0.00	0.00	0.00	0.00	0.00	0.00	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	20.47	1.29	18.18	1.74	17.73		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Onion, spring plant, dry**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

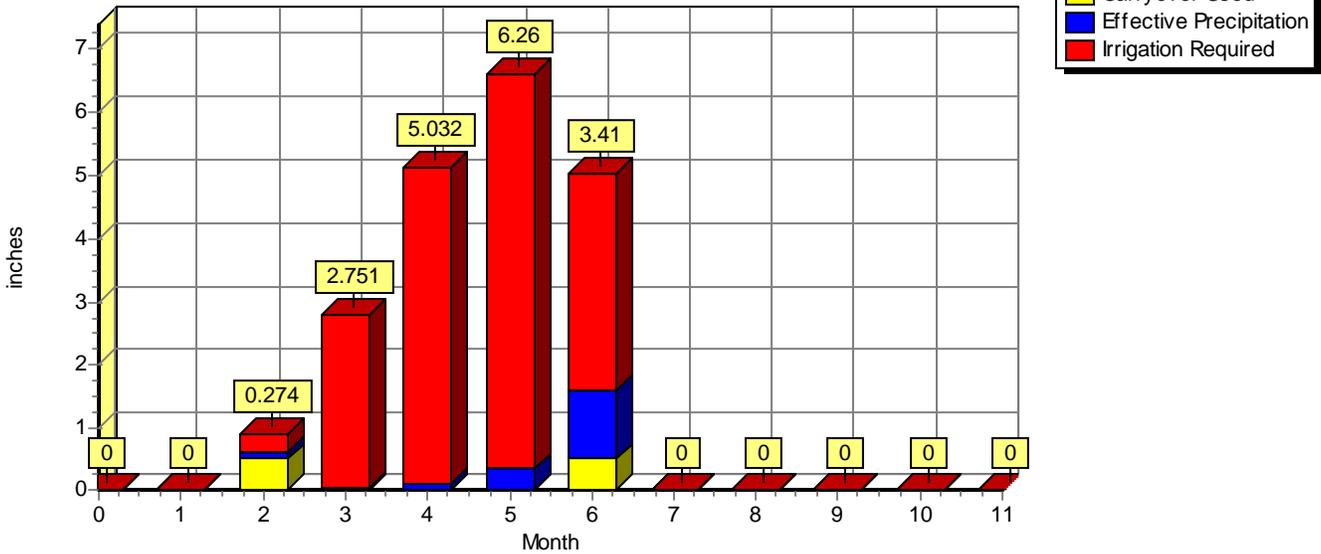
Begin Growth: **3/1** End Growth: **7/30**

Net irrigation application: **1** inches

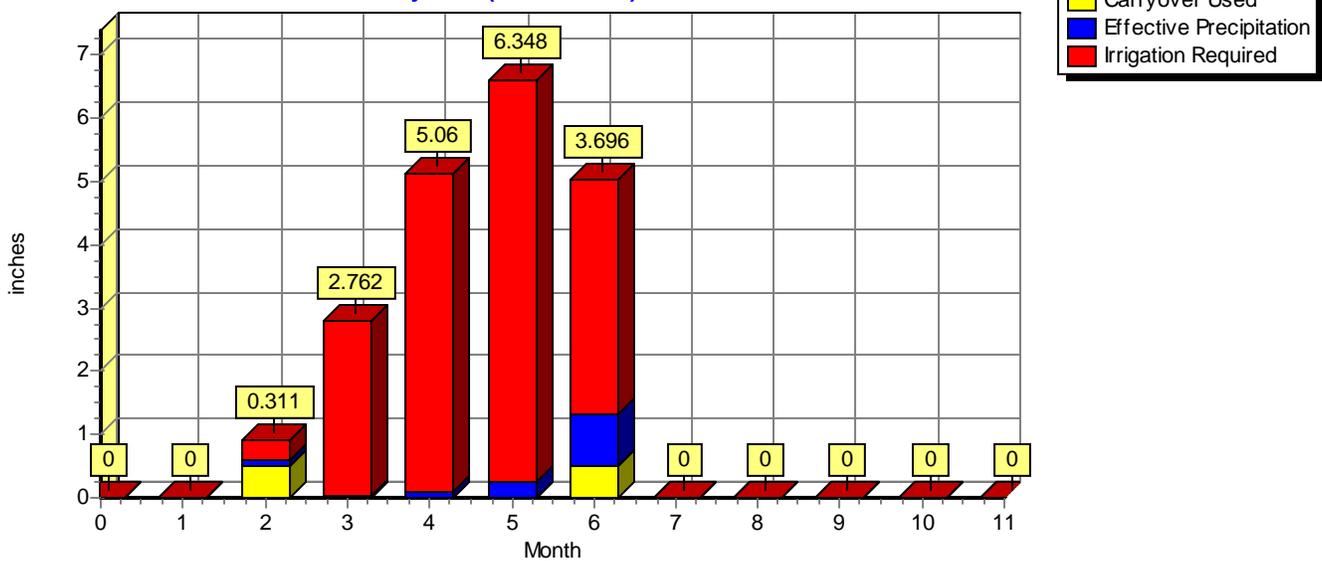
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Pasture, cool season grass
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Perennial Crop	Estimated carryover moisture used at season:
Begin Growth: 3/2 End Growth: 10/20	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	1.61	0.13	0.98	0.17	0.94	0.05	
April	3.43	0.04	3.40	0.05	3.38	0.11	0.13
May	5.67	0.10	5.58	0.13	5.54	0.18	0.20
June	7.79	0.33	7.47	0.44	7.36	0.26	0.28
July	8.61	1.23	7.38	1.65	6.96	0.28	0.30
August	7.60	1.33	6.27	1.79	5.81	0.25	0.27
September	5.41	0.71	4.71	0.95	4.46	0.17	0.19
October	2.30	0.35	1.45	0.47	1.33	0.11	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	42.44	4.20	37.24	5.66	35.78		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Pasture, cool season grass**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Perennial Crop**

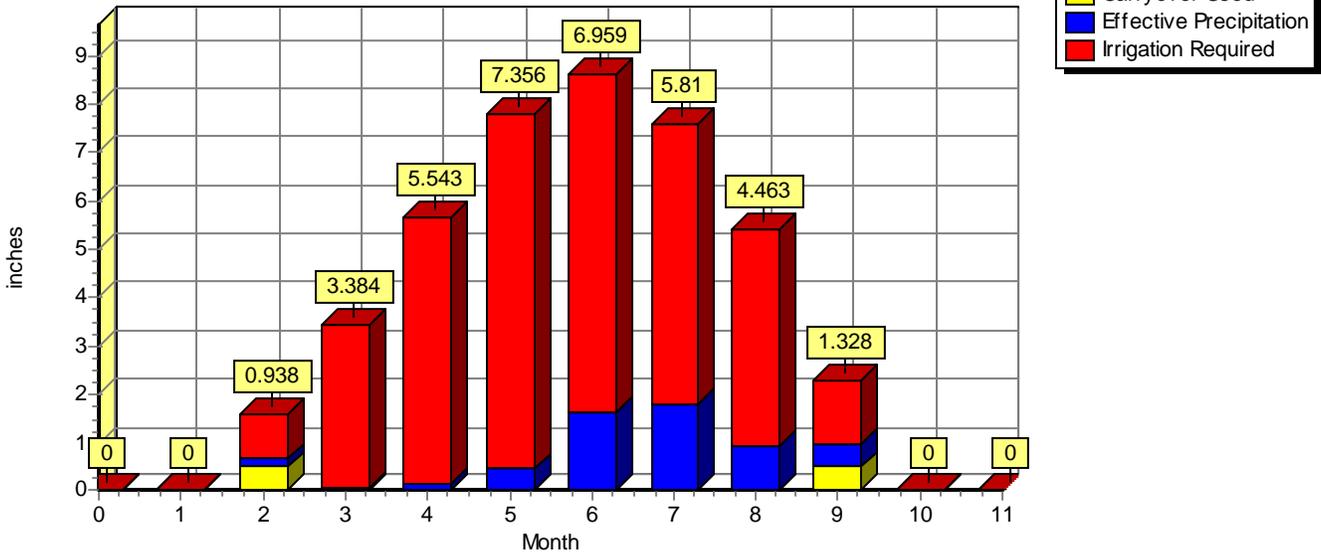
Begin Growth: **3/2** End Growth: **10/20**

Net irrigation application: **2** inches

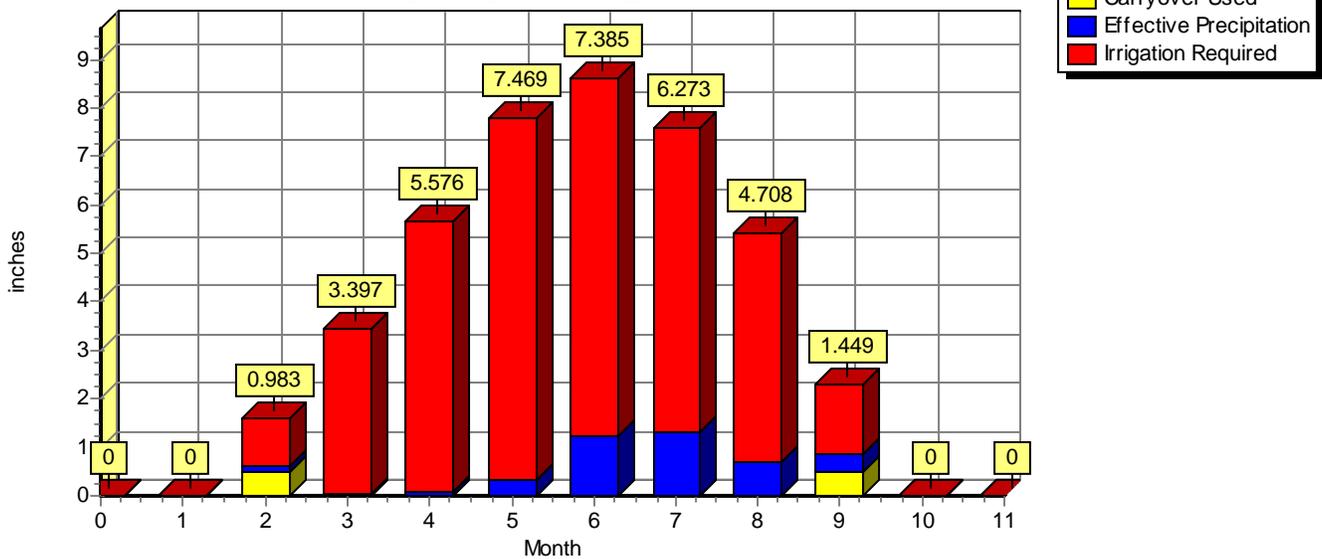
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Pasture, warm season grass
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Perennial Crop	Estimated carryover moisture used at season:
Begin Growth: 4/2 End Growth: 9/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	2.83	0.03	2.29	0.05	2.28	0.10	
May	5.67	0.10	5.58	0.13	5.54	0.18	0.20
June	7.79	0.33	7.47	0.44	7.36	0.26	0.28
July	8.61	1.23	7.38	1.65	6.96	0.28	0.30
August	7.60	1.33	6.27	1.79	5.81	0.25	0.27
September	2.66	0.34	1.82	0.46	1.70	0.18	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	35.17	3.36	30.81	4.53	29.65		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Pasture, warm season grass**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Perennial Crop**

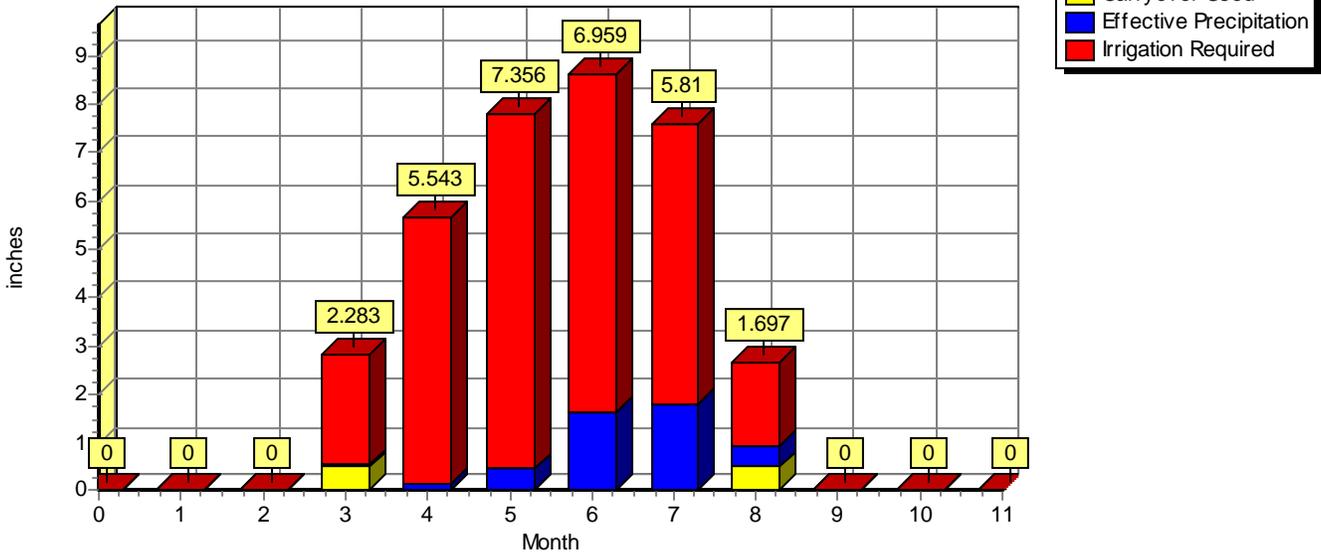
Begin Growth: **4/2** End Growth: **9/15**

Net irrigation application: **2** inches

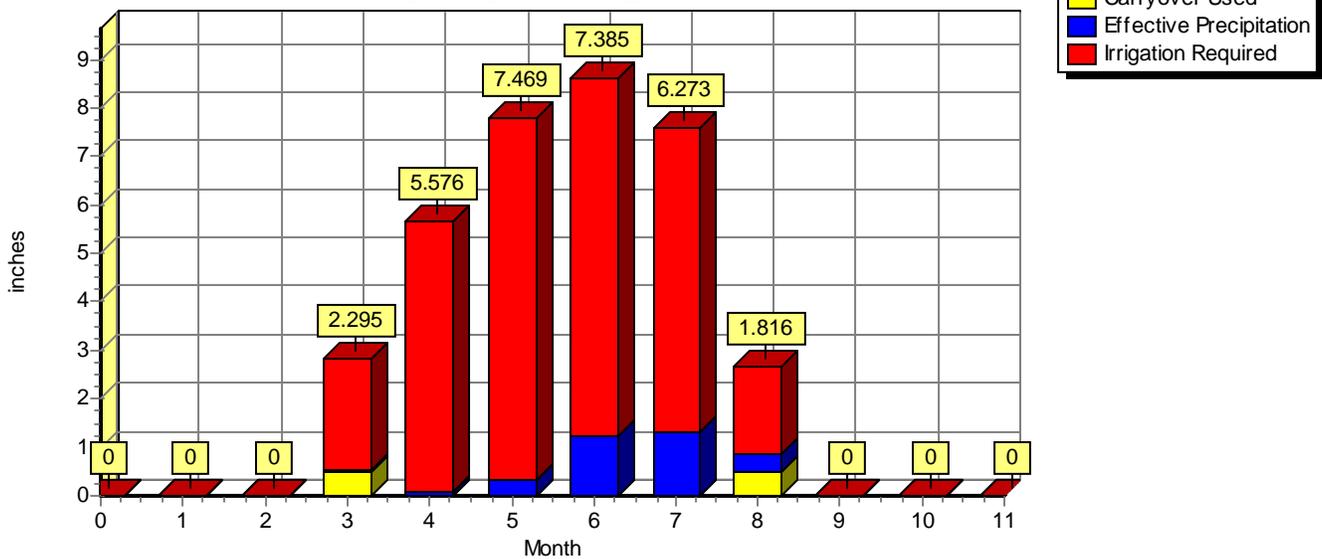
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Pecan, > 10 yrs, no cover
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Perennial Crop	Estimated carryover moisture used at season:
Begin Growth: 3/15 End Growth: 11/30	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.42	0.07	0.00	0.09	0.00	0.02	
April	1.77	0.03	1.60	0.05	1.56	0.06	0.06
May	4.37	0.09	4.28	0.12	4.25	0.14	0.15
June	7.72	0.32	7.39	0.44	7.28	0.26	0.28
July	9.10	1.26	7.84	1.70	7.40	0.29	0.32
August	7.36	1.31	6.04	1.77	5.59	0.24	0.26
September	4.33	0.67	3.67	0.90	3.44	0.14	0.15
October	2.03	0.50	1.39	0.67	1.11	0.07	0.07
November	0.67	0.31	0.00	0.42	0.00	0.02	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	37.77	4.56	32.21	6.15	30.62		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Pecan, > 10 yrs, no cover**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Perennial Crop**

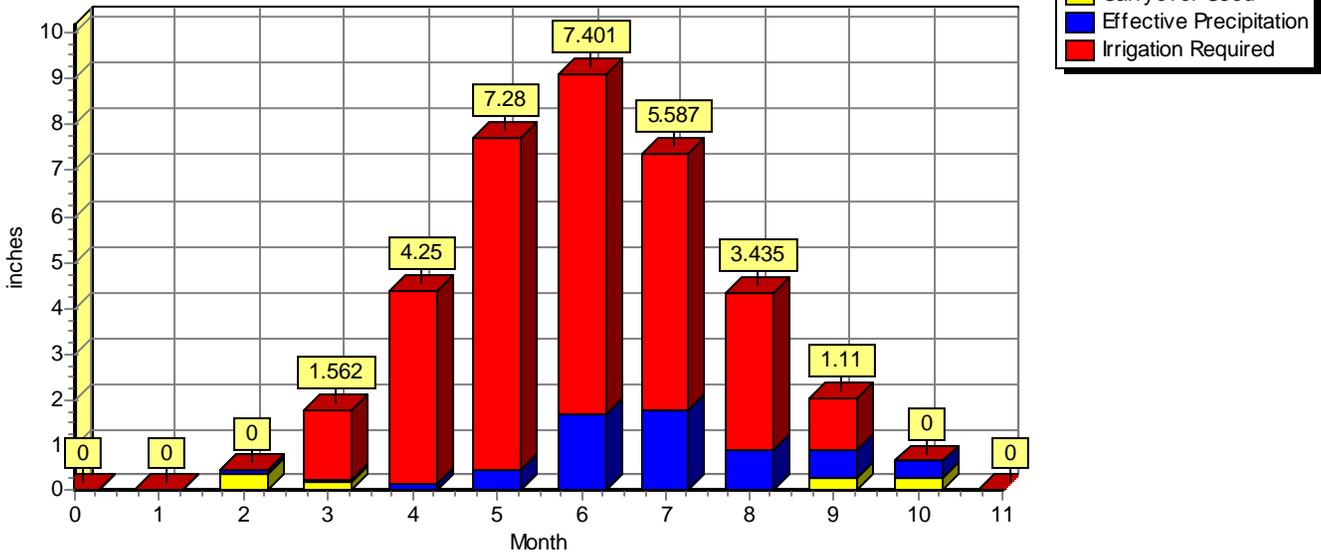
Begin Growth: **3/15** End Growth: **11/30**

Net irrigation application: **2** inches

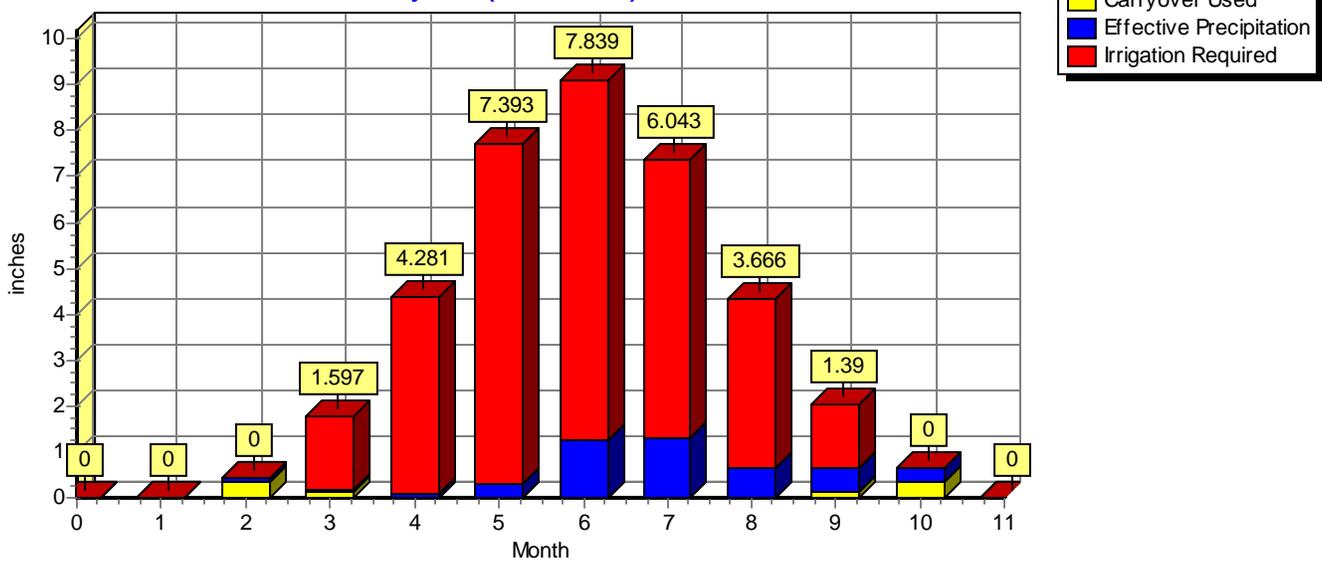
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Pecans w cover crop
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Perennial Crop	Estimated carryover moisture used at season:
Begin Growth: 3/15 End Growth: 11/30	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	1.38	0.07	0.80	0.10	0.78	0.08	
April	3.96	0.04	3.92	0.05	3.91	0.13	0.14
May	6.86	0.10	6.76	0.14	6.72	0.22	0.24
June	9.53	0.36	9.17	0.48	9.04	0.32	0.35
July	10.37	1.35	9.01	1.82	8.54	0.33	0.37
August	8.90	1.43	7.47	1.93	6.97	0.29	0.31
September	6.18	0.74	5.44	0.99	5.19	0.20	0.22
October	3.67	0.54	3.12	0.73	2.93	0.12	0.13
November	1.65	0.33	0.82	0.44	0.71	0.05	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	52.49	4.97	46.52	6.70	44.80		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Pecans w cover crop**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Perennial Crop**

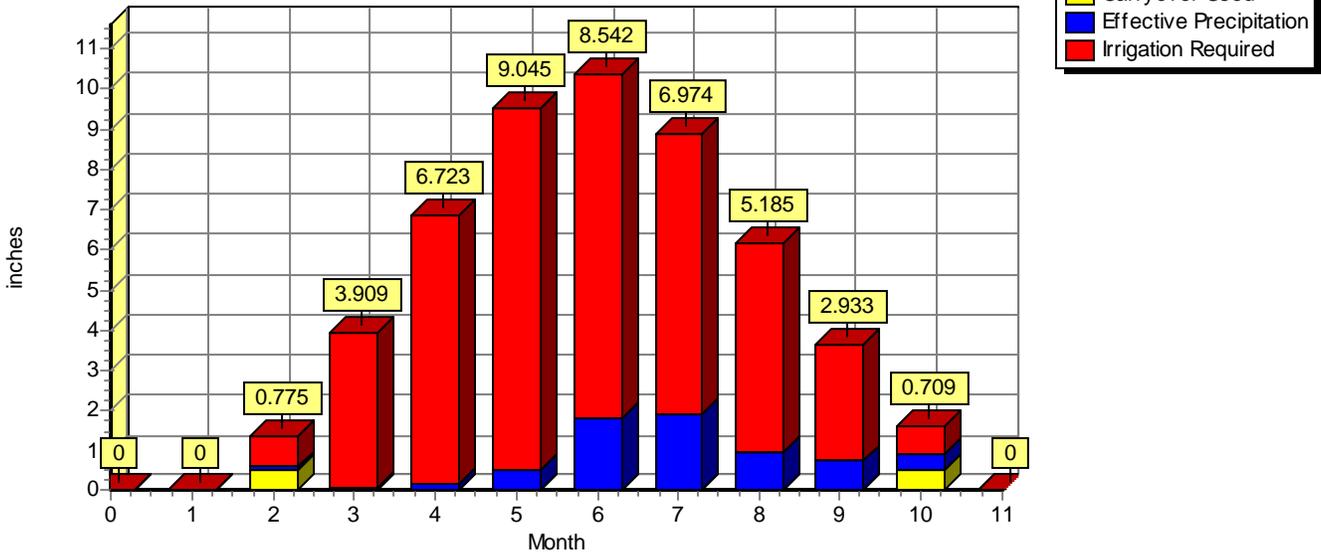
Begin Growth: **3/15** End Growth: **11/30**

Net irrigation application: **2** inches

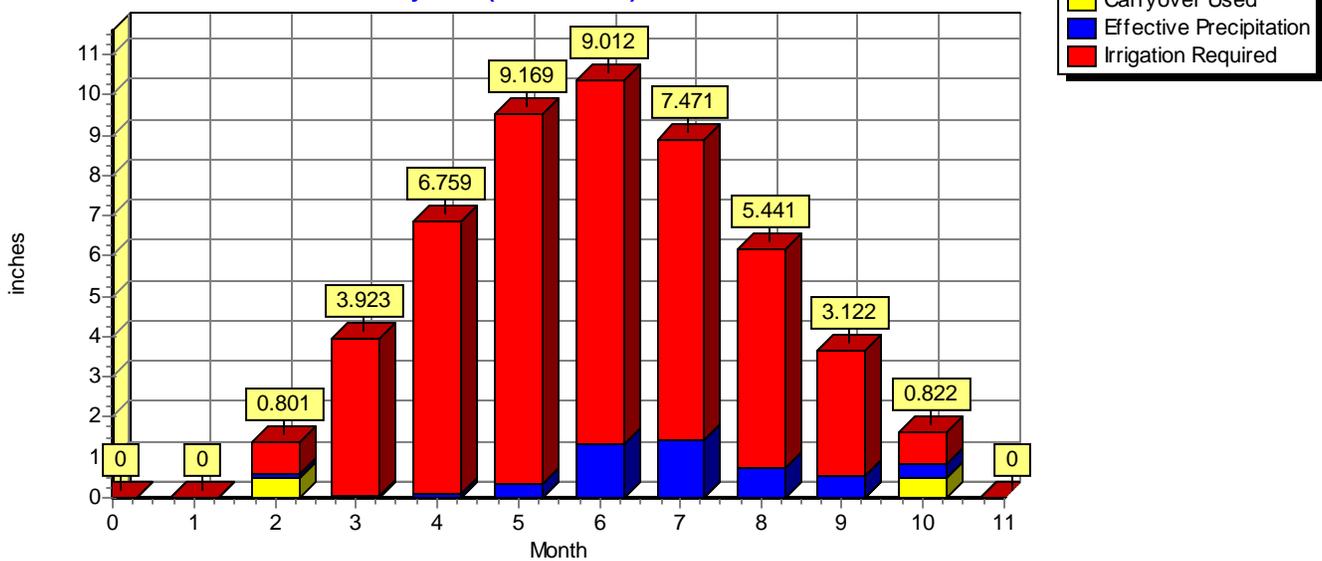
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Pumpkin
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 1 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 4/1 End Growth: 9/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	1.61	0.03	1.08	0.04	1.07	0.05	
May	3.91	0.07	3.83	0.10	3.81	0.13	0.14
June	6.61	0.26	6.36	0.34	6.27	0.22	0.25
July	7.50	0.97	6.54	1.30	6.20	0.24	0.28
August	6.22	1.03	5.18	1.39	4.82	0.20	0.23
September	2.07	0.27	1.30	0.36	1.21	0.14	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	27.92	2.63	24.29	3.54	23.38		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Pumpkin**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

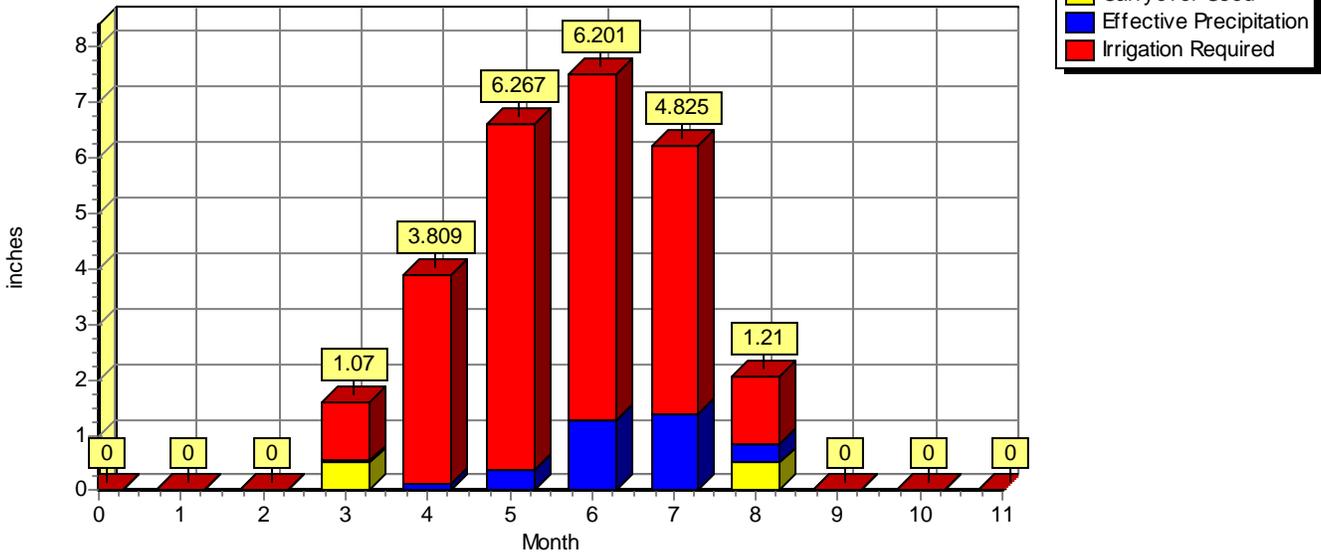
Begin Growth: **4/1** End Growth: **9/15**

Net irrigation application: **1** inches

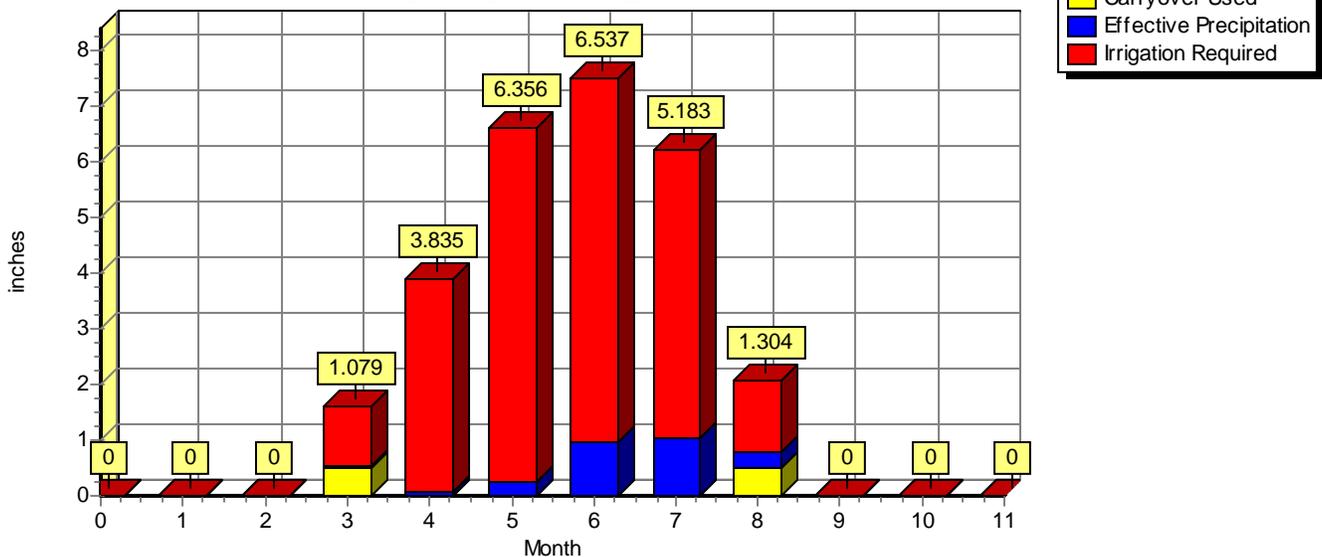
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Sorghum, grain
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 4/15 End Growth: 10/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.71	0.02	0.20	0.02	0.19	0.04	
May	3.30	0.08	3.22	0.11	3.19	0.11	0.12
June	7.41	0.32	7.09	0.43	6.98	0.25	0.27
July	9.96	1.32	8.64	1.78	8.18	0.32	0.35
August	7.94	1.36	6.58	1.83	6.11	0.26	0.28
September	4.55	0.67	3.88	0.91	3.65	0.15	0.16
October	1.18	0.25	0.43	0.33	0.34	0.08	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	35.06	4.02	30.04	5.42	28.64		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Sorghum, grain**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

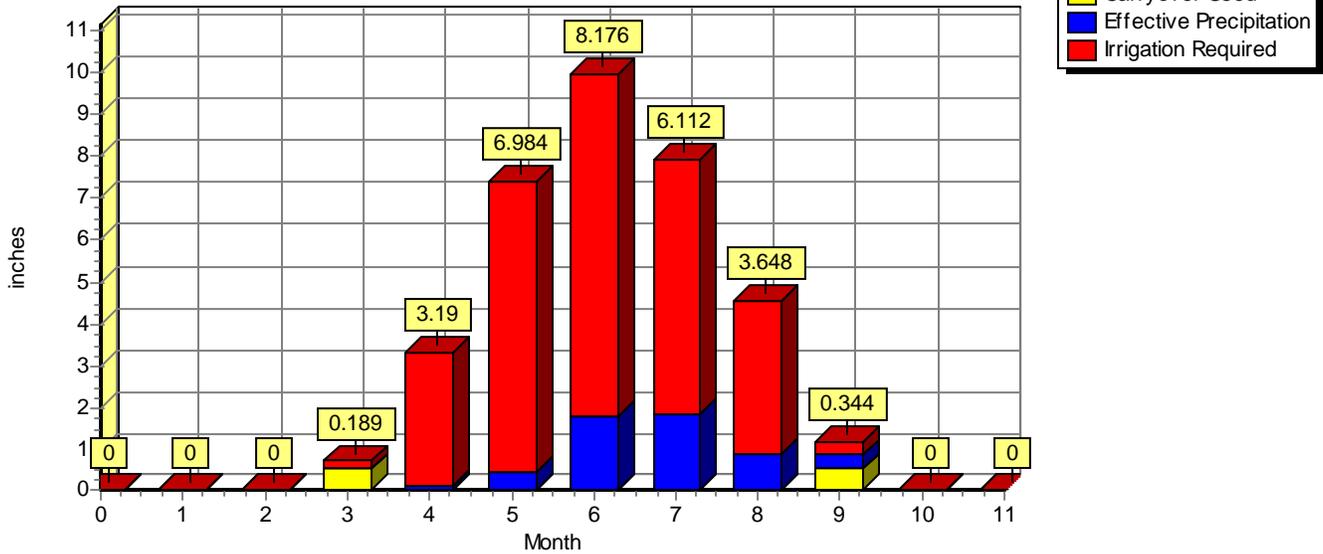
Begin Growth: **4/15** End Growth: **10/15**

Net irrigation application: **2** inches

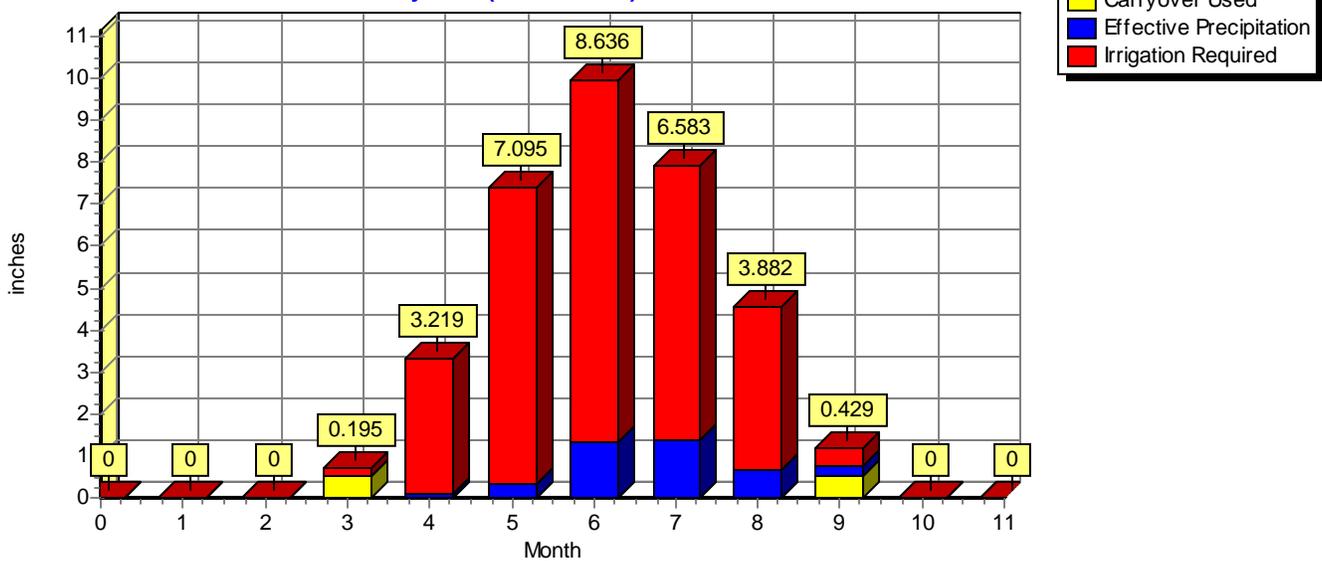
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

Irrigation Water Requirements
Normal Year (50% chance)



Irrigation Water Requirements
Dry Year (80% chance)



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Sorghum, silage
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 5/2 End Growth: 9/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.00	0.00	0.00	0.00	0.00	0.00	
May	2.14	0.07	1.57	0.10	1.54	0.07	
June	7.26	0.32	6.95	0.43	6.84	0.24	0.26
July	9.76	1.31	8.45	1.76	8.00	0.31	0.34
August	6.77	1.27	5.50	1.71	5.06	0.22	0.24
September	1.83	0.31	1.02	0.42	0.91	0.12	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	27.76	3.28	23.48	4.42	22.34		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Sorghum, silage**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

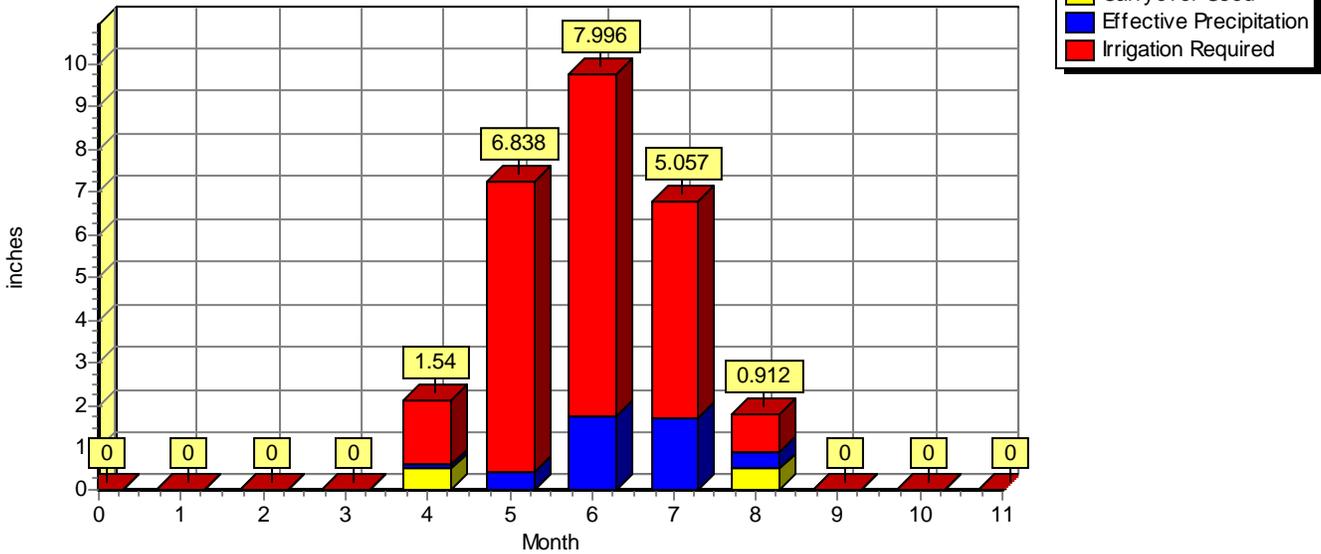
Begin Growth: **5/2** End Growth: **9/15**

Net irrigation application: **2** inches

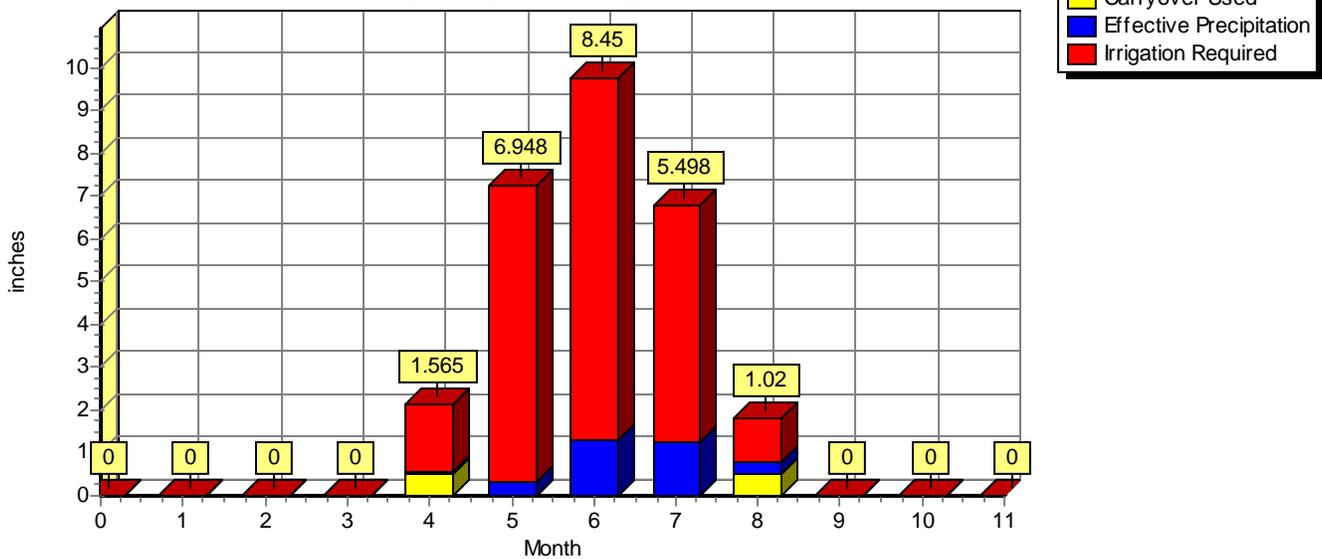
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Sudangrass, hay or silage
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 7/1 End Growth: 10/2	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.00	0.00	0.00	0.00	0.00	0.00	
May	0.00	0.00	0.00	0.00	0.00	0.00	
June	0.00	0.00	0.00	0.00	0.00	0.00	
July	4.79	0.96	3.33	1.29	3.00	0.15	
August	8.55	1.40	7.15	1.89	6.66	0.28	0.30
September	4.67	0.68	3.65	0.91	3.40	0.15	0.16
October	0.19	0.03	0.00	0.05	0.00	0.09	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	18.21	3.08	14.13	4.14	13.07		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET (Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Sudangrass, hay or silage**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

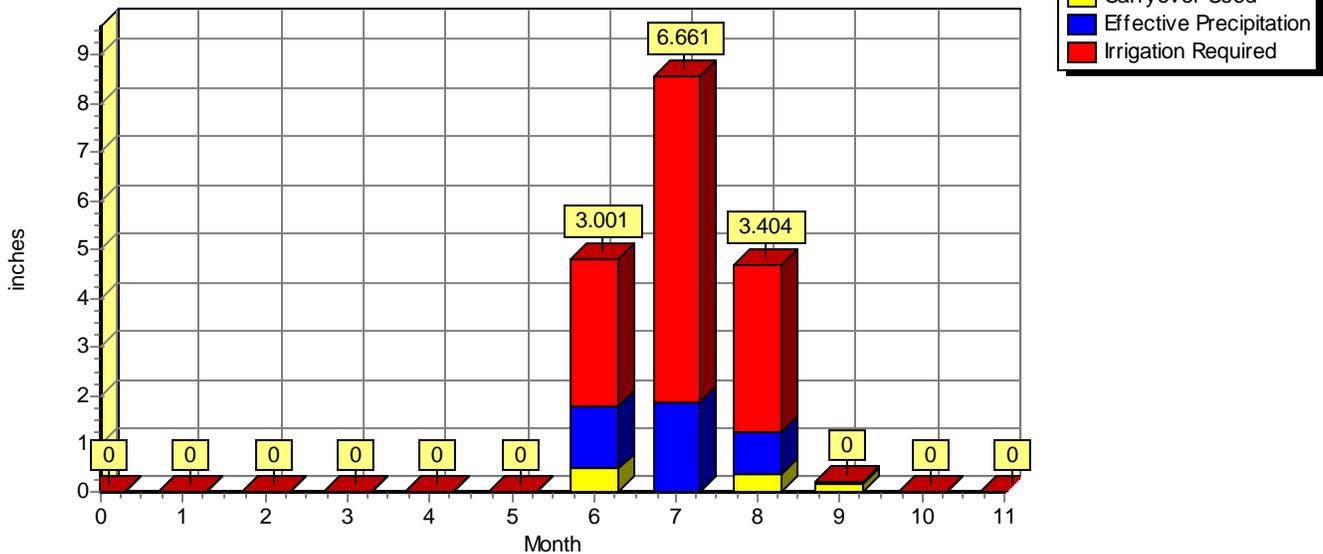
Begin Growth: **7/1** End Growth: **10/2**

Net irrigation application: **2** inches

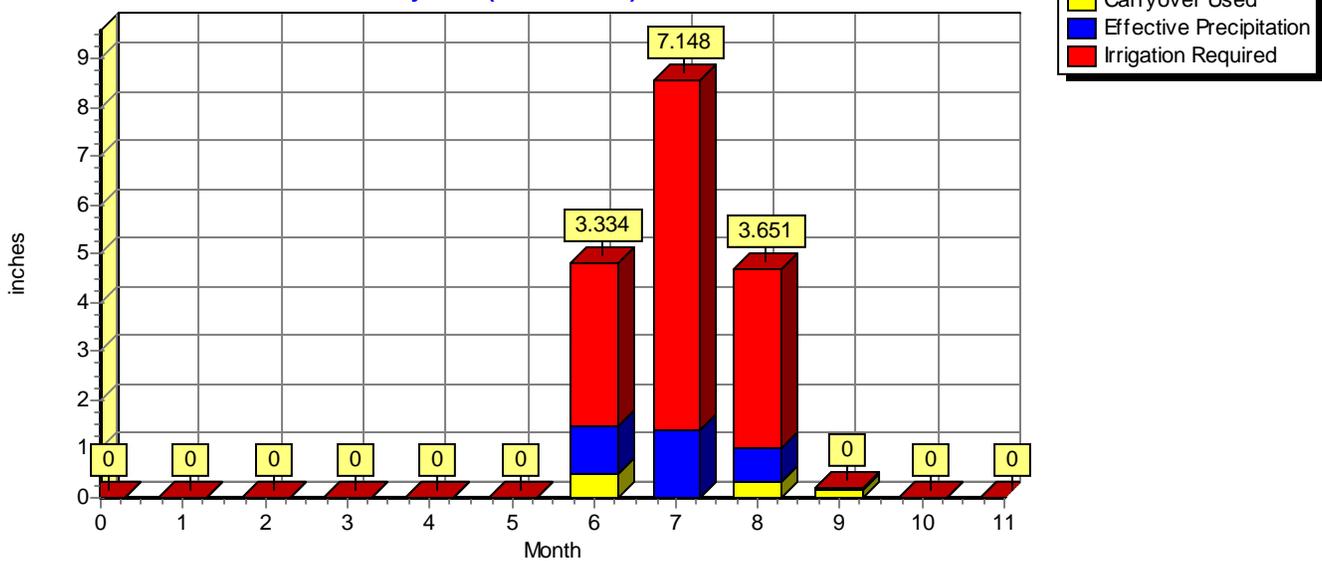
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

Irrigation Water Requirements
Normal Year (50% chance)



Irrigation Water Requirements
Dry Year (80% chance)



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Watermelons, spring plant
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 1 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 4/15 End Growth: 9/30	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.72	0.01	0.21	0.02	0.20	0.04	
May	3.40	0.07	3.33	0.10	3.31	0.11	0.13
June	6.36	0.25	6.11	0.34	6.02	0.21	0.24
July	7.69	0.98	6.71	1.32	6.37	0.25	0.28
August	6.41	1.05	5.37	1.41	5.00	0.21	0.24
September	3.27	0.51	2.26	0.69	2.08	0.11	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	27.86	2.87	23.98	3.87	22.99		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Watermelons, spring plant**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

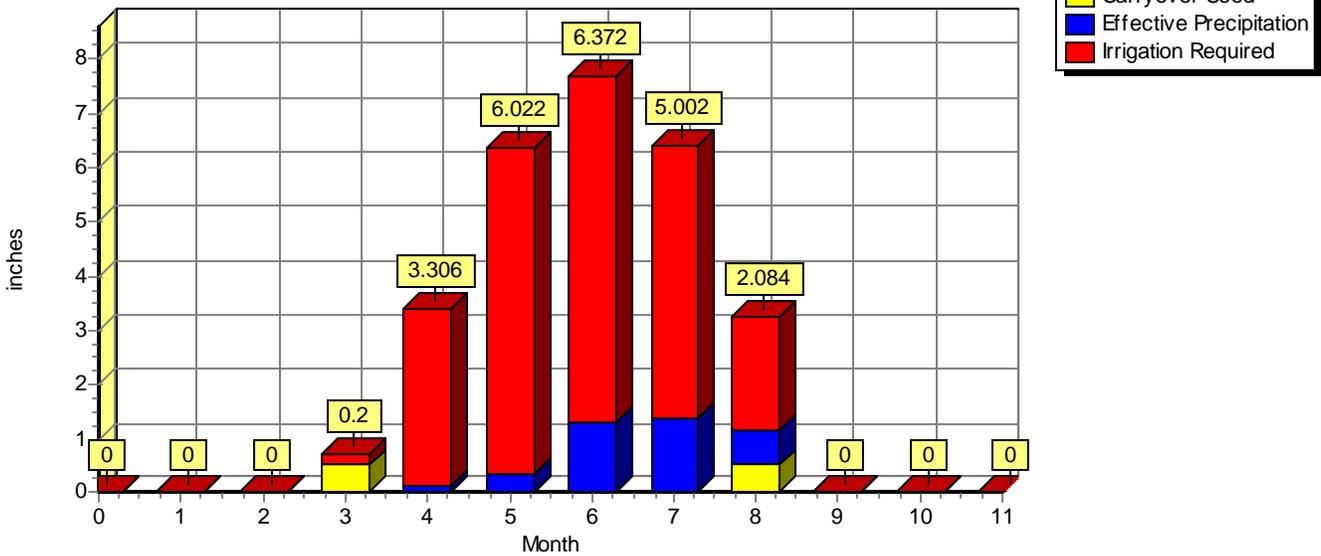
Begin Growth: **4/15** End Growth: **9/30**

Net irrigation application: **1** inches

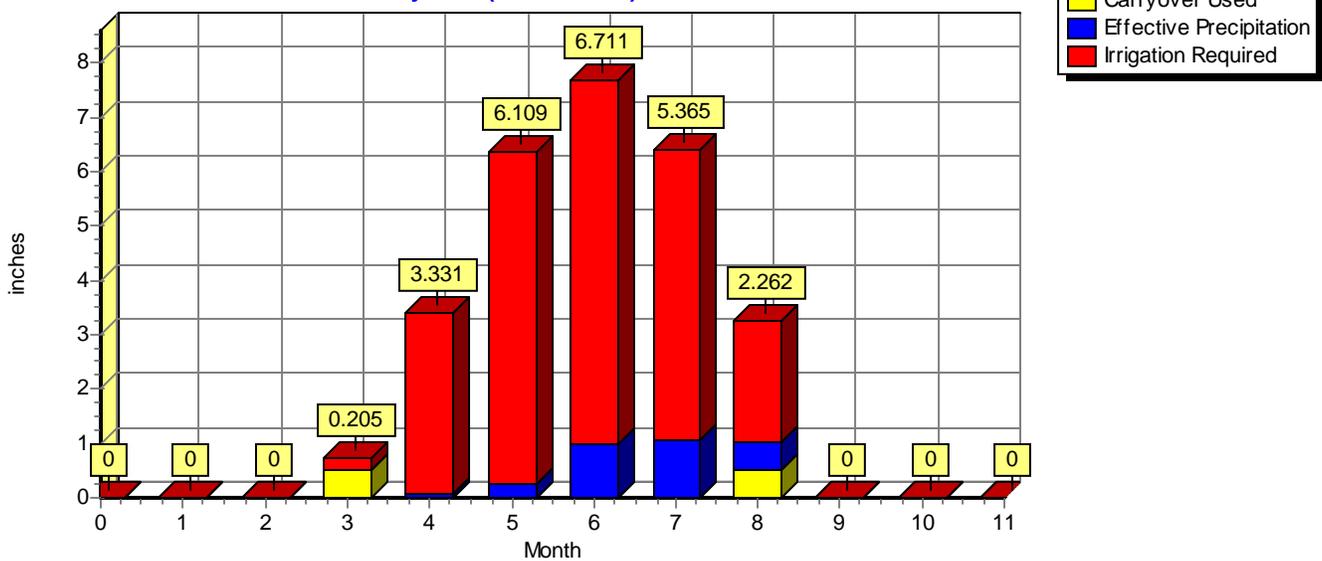
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Wheat, winter, grain
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 1 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 12/2 End Growth: 6/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.56	0.24	0.00	0.32	0.00	0.02	0.02
February	1.18	0.20	0.98	0.27	0.70	0.04	0.05
March	2.51	0.12	2.39	0.16	2.35	0.08	0.09
April	4.31	0.03	4.28	0.04	4.27	0.14	0.16
May	7.73	0.09	7.64	0.12	7.61	0.25	0.28
June	5.64	0.17	4.97	0.22	4.92	0.38	
July	0.00	0.00	0.00	0.00	0.00	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	
September	0.00	0.00	0.00	0.00	0.00	0.00	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.52	0.35	0.00	0.47	0.00	0.02	
TOTAL	22.45	1.19	20.26	1.61	19.84		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Wheat, winter, grain**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

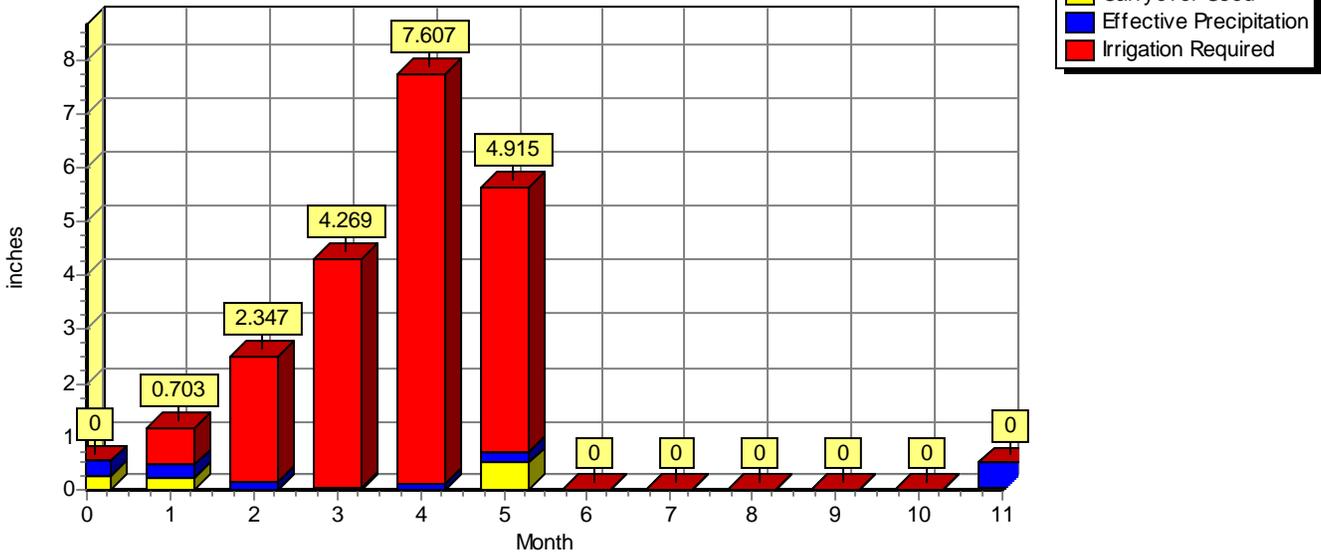
Begin Growth: **12/2** End Growth: **6/15**

Net irrigation application: **1** inches

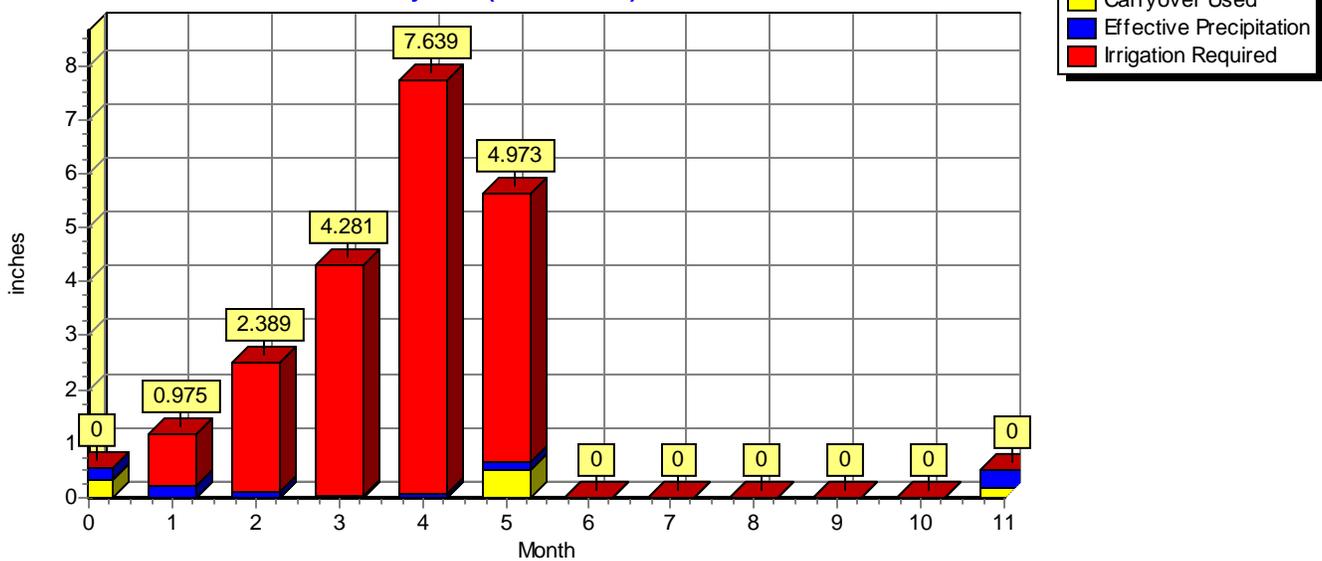
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Winter Wheat, graze out
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 9/2 End Growth: 4/30	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	1.16	0.29	0.87	0.39	0.77	0.04	0.04
February	1.80	0.25	1.56	0.33	1.47	0.06	0.07
March	3.36	0.15	3.21	0.20	3.15	0.11	0.12
April	5.28	0.04	4.74	0.06	4.73	0.18	
May	0.00	0.00	0.00	0.00	0.00	0.00	
June	0.00	0.00	0.00	0.00	0.00	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	
September	2.18	0.55	1.12	0.75	0.93	0.07	
October	1.76	0.49	1.27	0.66	1.10	0.06	0.06
November	1.27	0.32	0.95	0.43	0.84	0.04	0.05
December	0.99	0.57	0.42	0.77	0.22	0.03	0.03
TOTAL	17.80	2.67	14.13	3.59	13.21		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Winter Wheat, graze out**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

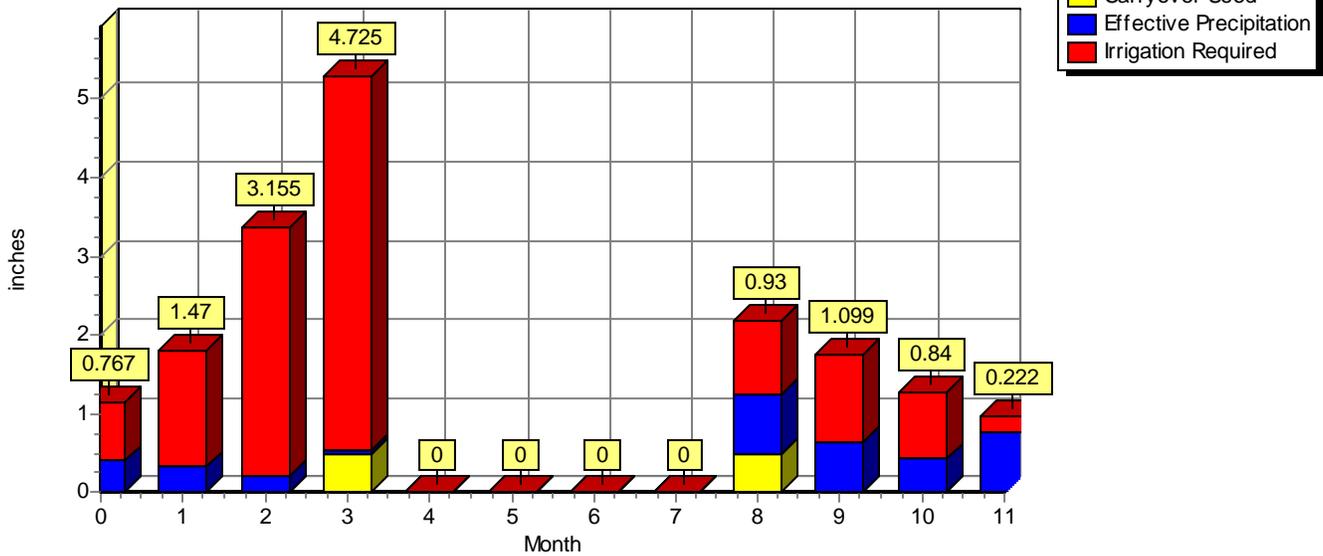
Begin Growth: **9/2** End Growth: **4/30**

Net irrigation application: **2** inches

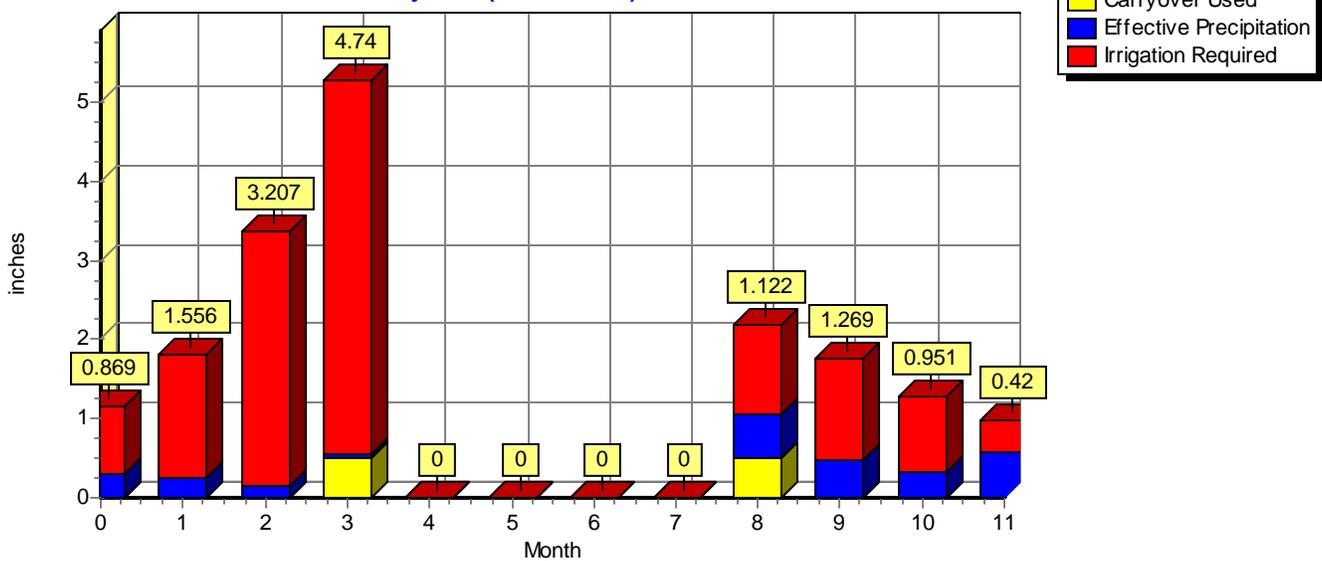
Estimated carryover moisture used at season:

Begin: **0.5** inches End: **0.5** inches

**Irrigation Water Requirements
Normal Year (50% chance)**



**Irrigation Water Requirements
Dry Year (80% chance)**



Irrigation Water Requirements

Crop Data Summary

Job: Deming	Crop: Wheat, winter, silage
Location: Deming NM	County: Luna, NM
By: Mas	Date: 03/30/05
Weather Station: GAGE 4 ESE	Sta No: NM3368
Latitude: 3213 Longitude: 10801	Elevation: 4410 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Annual Crop	Estimated carryover moisture used at season:
Begin Growth: 1/15 End Growth: 5/30	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.24	0.15	0.00	0.20	0.00	0.01	
February	0.83	0.23	0.19	0.31	0.05	0.03	0.03
March	2.21	0.14	2.07	0.19	2.02	0.07	0.08
April	4.25	0.04	4.21	0.05	4.19	0.14	0.15
May	7.75	0.11	7.15	0.14	7.11	0.26	
June	0.00	0.00	0.00	0.00	0.00	0.00	
July	0.00	0.00	0.00	0.00	0.00	0.00	
August	0.00	0.00	0.00	0.00	0.00	0.00	
September	0.00	0.00	0.00	0.00	0.00	0.00	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	15.27	0.67	13.61	0.90	13.38		

(1) For 80 percent occurrence, growing season effective precipitation will be equaled or exceeded 8 out of 10 years. For 50 percent chance occurrence, effective precipitation will be equaled or exceeded 1 out of 2 years.

(2) Net irrigation requirements is adjusted for carryover moisture used at the beginning of the season and carryover moisture used at the end of the growing season.

(3) ET Evapotranspiration) is adjusted upwards 10% per 1000 meters above sea level.

Date: 7/25/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Deming**

Crop: **Wheat, winter, silage**

Location: **Deming NM**

Date: **03/30/05**

Computation Method: **Blaney Criddle (TR21)**

Crop Curve: **Blaney Criddle Annual Crop**

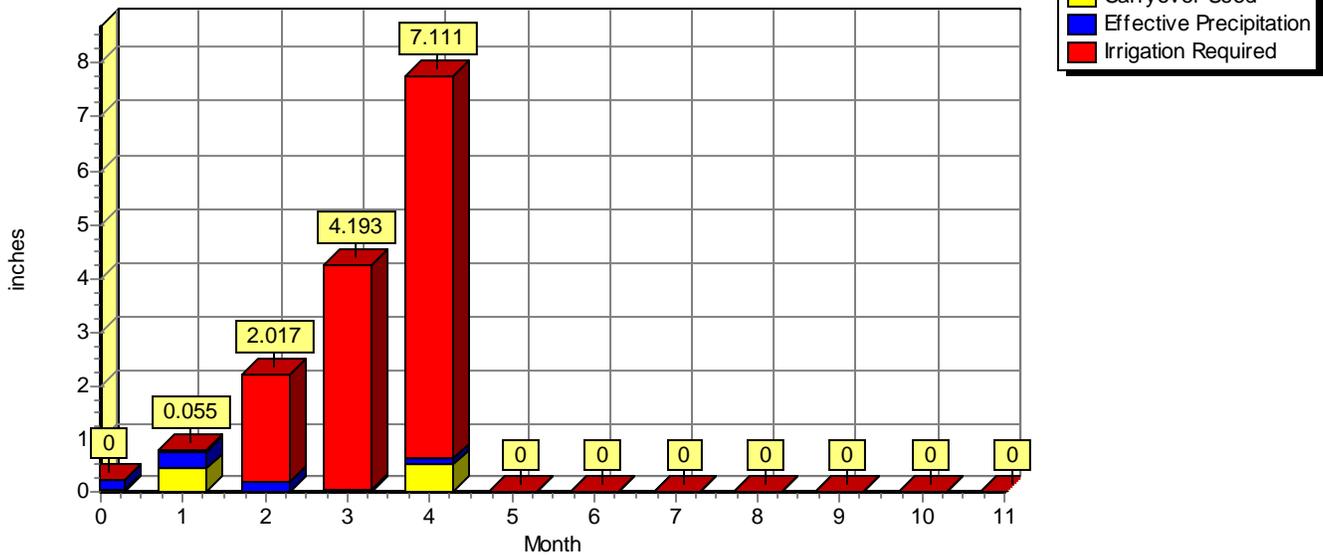
Begin Growth: **1/15** End Growth: **5/30**

Net irrigation application: **2** inches

Estimated carryover moisture used at season:

Begin: **0.5** inches End **0.5** inches

Irrigation Water Requirements
Normal Year (50% chance)



Irrigation Water Requirements
Dry Year (80% chance)

