

Irrigation Water Requirements

Crop Data Summary

Job: Mora	Crop: Alfalfa, hay, northern
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 1 inches
Crop Curve: Blaney Criddle Perennial Crop	Estimated carryover moisture used at season:
Begin Growth: 5/2 End Growth: 10/5	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	3.11	0.76	1.85	0.97	1.63	0.10	
June	6.10	1.04	5.06	1.33	4.77	0.20	0.23
July	7.09	1.64	5.45	2.11	4.98	0.23	0.26
August	6.01	1.63	4.38	2.09	3.92	0.19	0.22
September	3.94	0.83	3.02	1.06	2.76	0.13	0.15
October	0.48	0.07	0.00	0.09	0.00	0.10	
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	26.73	5.97	19.75	7.66	18.07		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Alfalfa, hay, northern**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

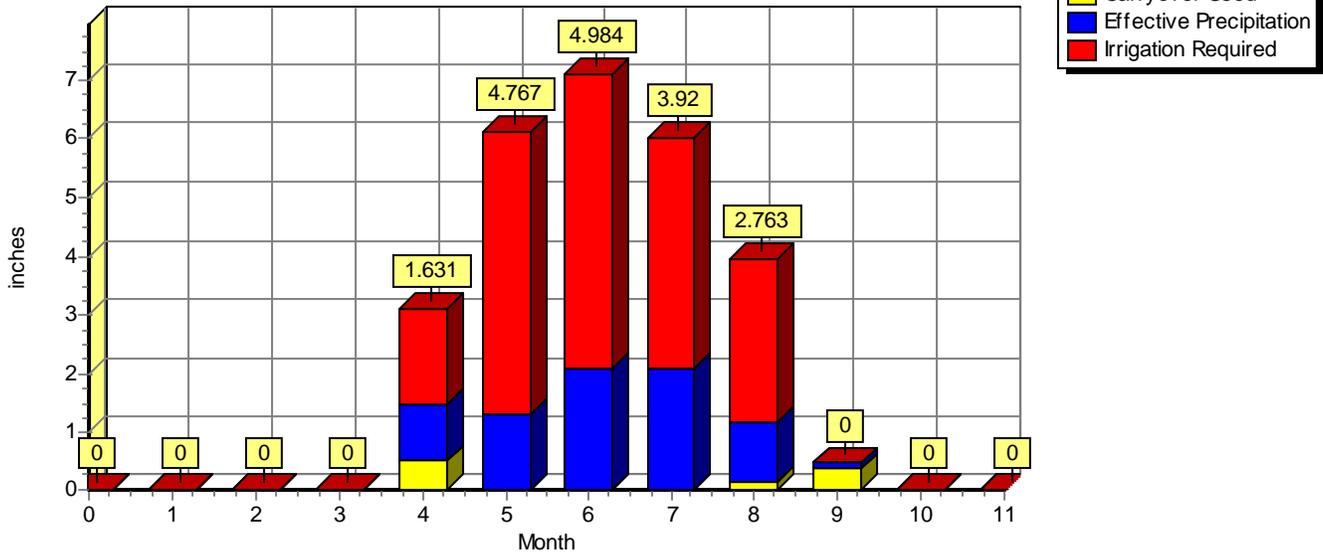
Begin Growth: **5/2** End Growth: **10/5**

Net irrigation application: **1** inches

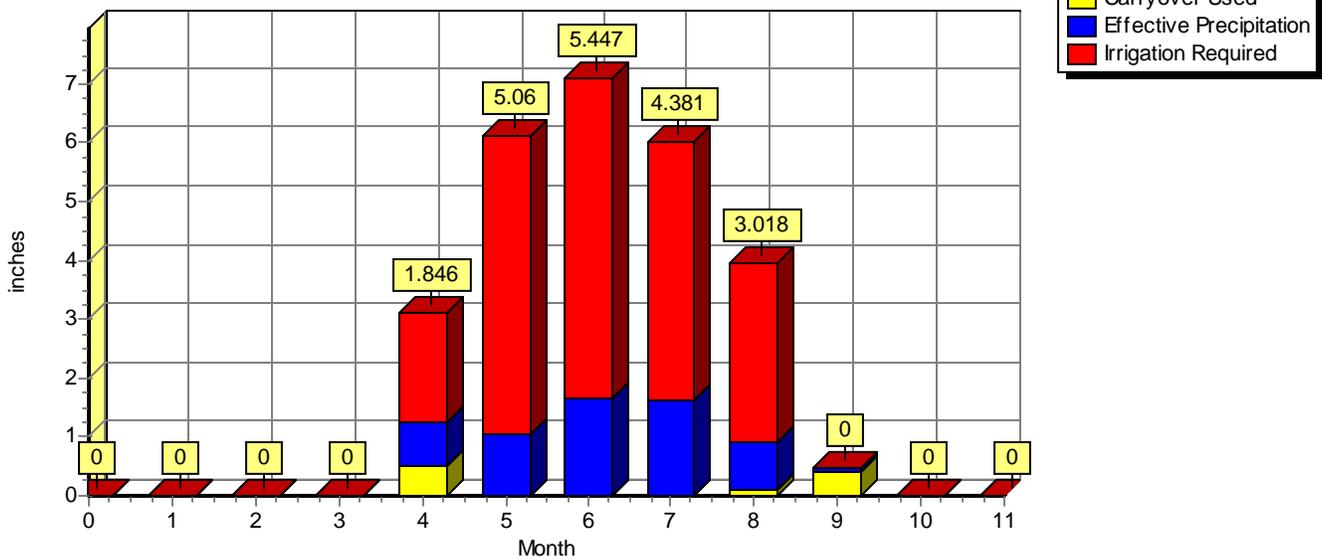
Estimated carryover moisture used at season:

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: Mora	Crop: Beans, green
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 6/2 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	0.00	0.00	0.00	0.00	0.00	0.00	
May	0.00	0.00	0.00	0.00	0.00	0.00	
June	2.53	0.80	1.23	1.02	1.01	0.09	
July	4.88	1.45	3.42	1.86	3.01	0.16	0.18
August	5.68	1.60	4.08	2.06	3.63	0.18	0.21
September	4.29	0.82	2.96	1.06	2.73	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	17.38	4.68	11.70	6.00	10.38		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Beans, green**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

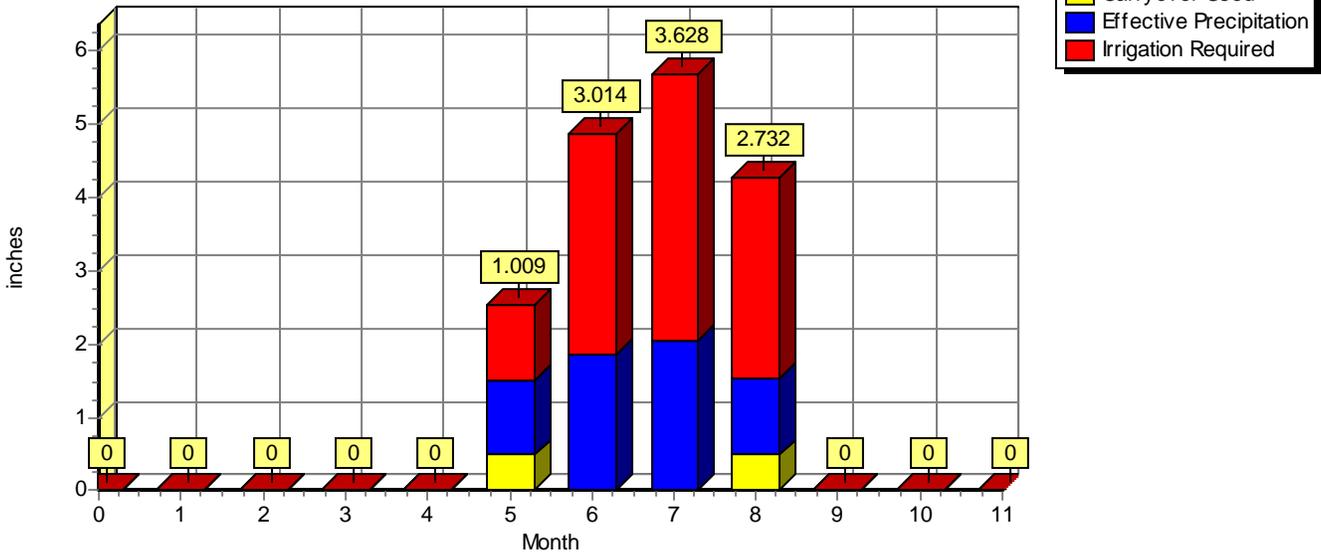
Begin Growth: **6/2** End Growth: **9/30**

Net irrigation application: **1** inches

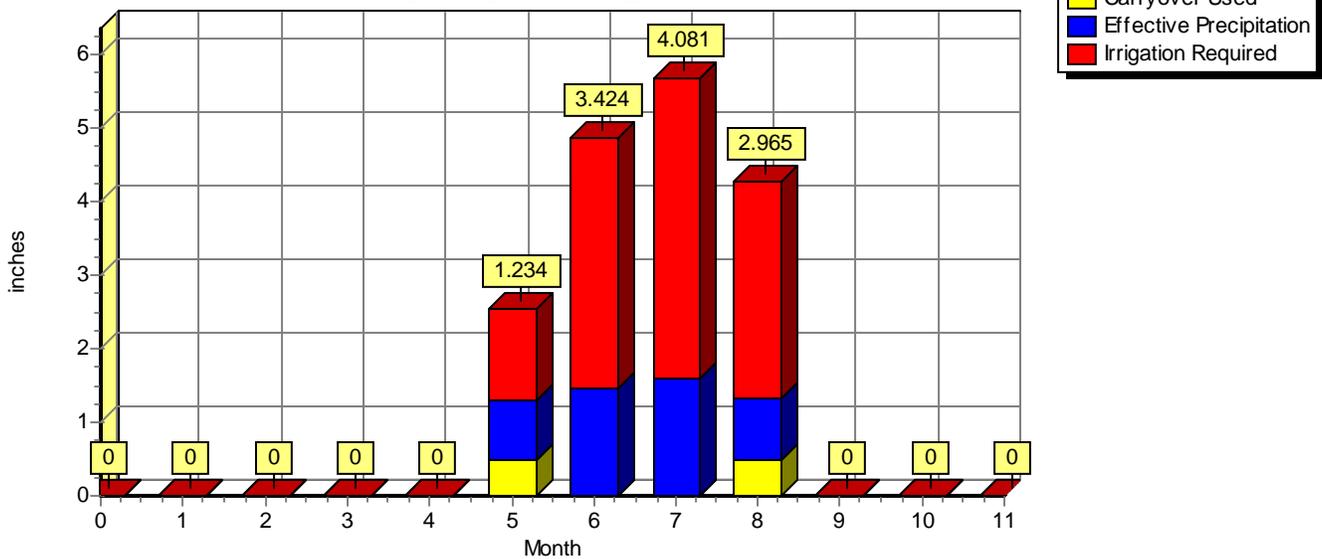
Estimated carryover moisture used at season:

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: Mora	Crop: Beets
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 4/25 End Growth: 6/24	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	0.19	0.07	0.00	0.09	0.00	0.03	
May	2.66	0.79	1.49	1.01	1.25	0.09	0.10
June	2.77	0.72	1.56	0.92	1.36	0.12	
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	5.62	1.57	3.05	2.02	2.60		

- (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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Beets**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

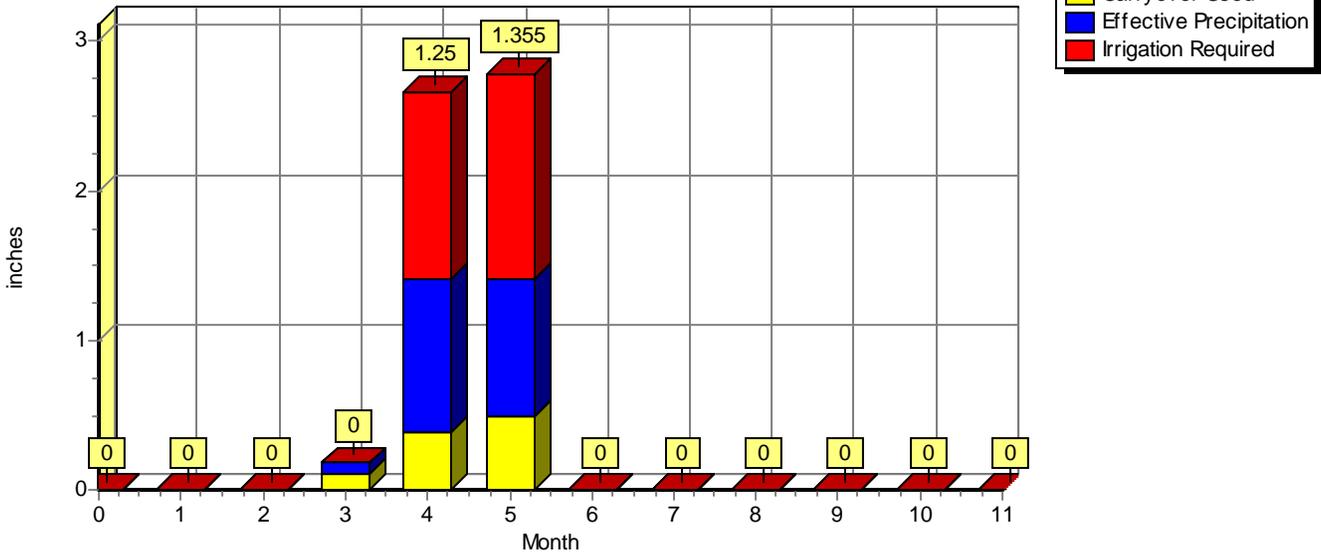
Begin Growth: **4/25** End Growth: **6/24**

Net irrigation application: **1** inches

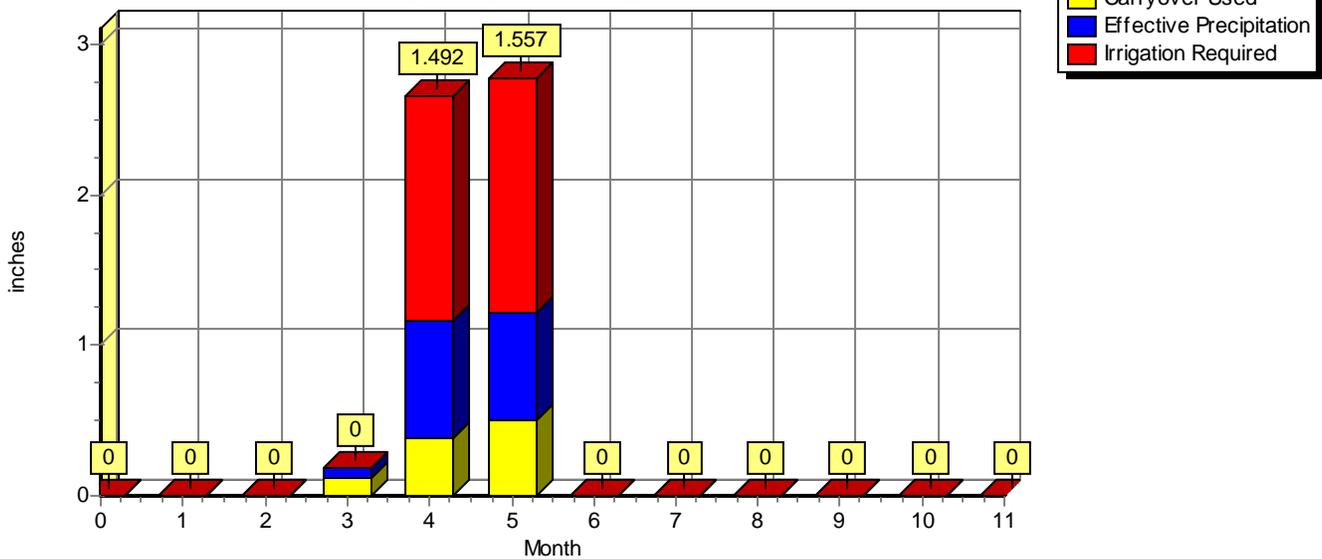
Estimated carryover moisture used at season:

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: Mora	Crop: Cabbage
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 4/25 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	0.17	0.07	0.00	0.09	0.00	0.03	
May	1.67	0.75	0.52	0.96	0.29	0.05	0.06
June	3.73	0.91	2.82	1.17	2.56	0.12	0.14
July	5.17	1.48	3.69	1.89	3.27	0.17	0.19
August	4.58	1.51	3.07	1.93	2.64	0.15	0.17
September	2.66	0.77	1.70	0.99	1.43	0.09	0.10
October	0.50	0.20	0.00	0.25	0.00	0.03	
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	18.47	5.67	11.80	7.27	10.20		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Cabbage**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

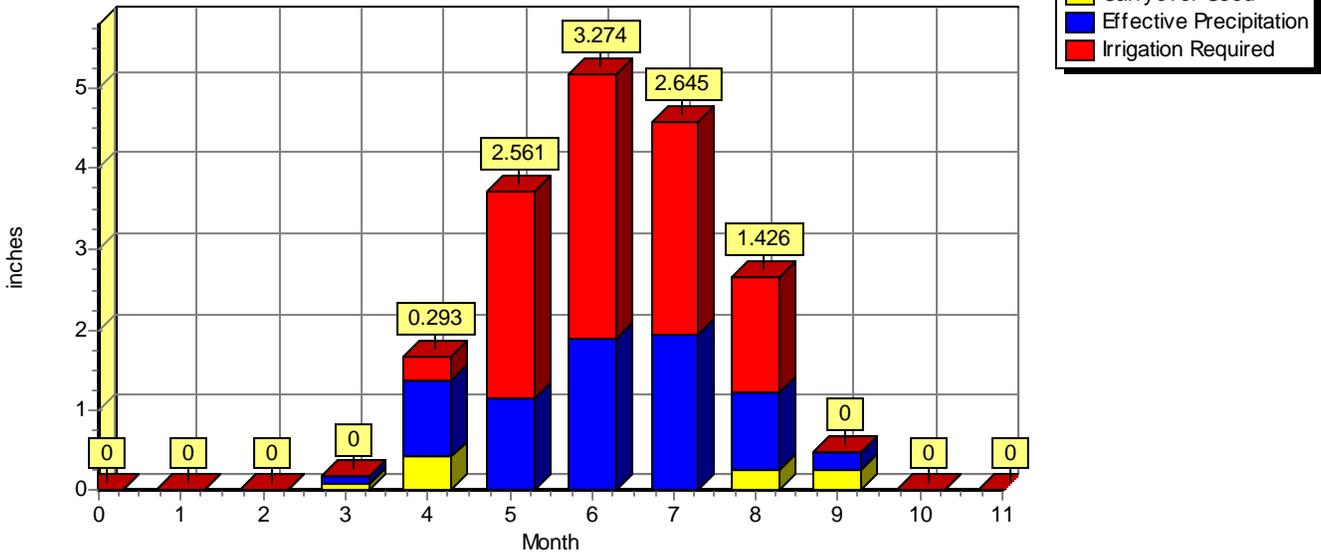
Begin Growth: **4/25** End Growth: **10/15**

Net irrigation application: **1** inches

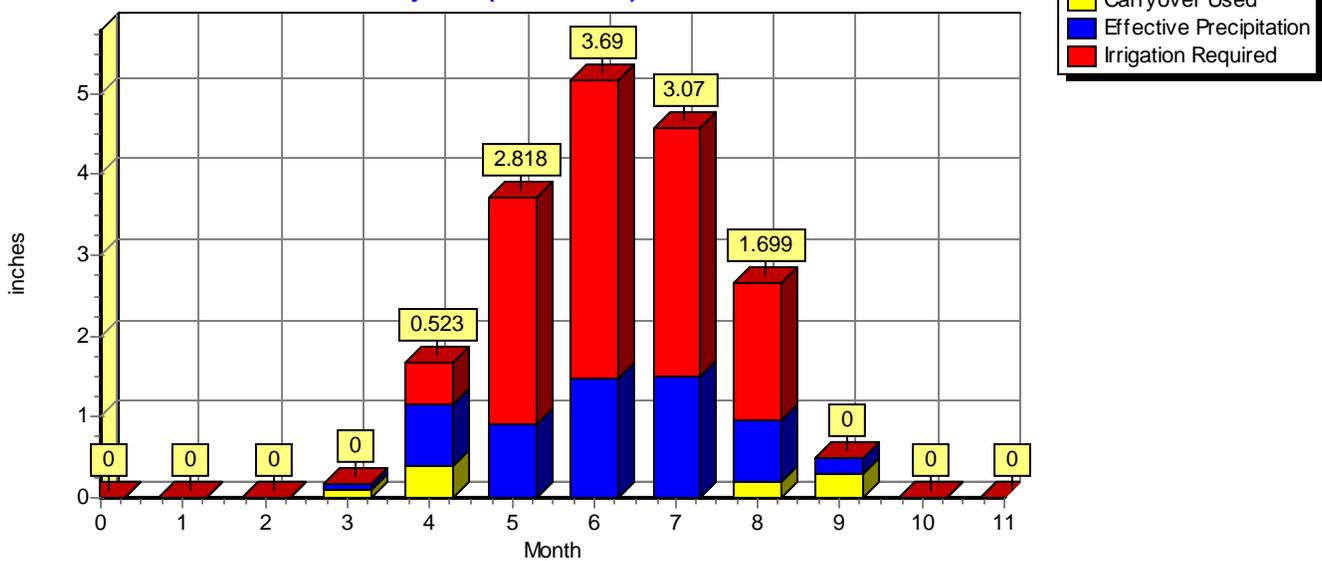
Estimated carryover moisture used at season:

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: Mora	Crop: Carrots
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 5/2 End Growth: 7/15	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	1.59	0.70	0.39	0.89	0.20	0.05	
June	4.31	0.94	3.38	1.20	3.11	0.14	0.16
July	1.70	0.65	0.55	0.83	0.36	0.11	
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	7.60	2.29	4.32	2.93	3.67		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Carrots**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

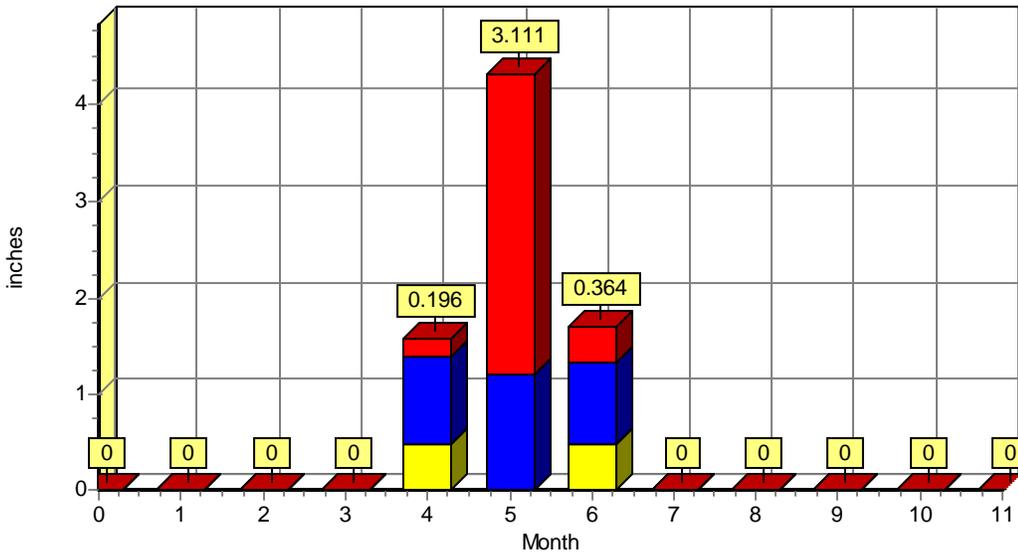
Begin Growth: **5/2** End Growth: **7/15**

Net irrigation application: **1** inches

Estimated carryover moisture used at season:

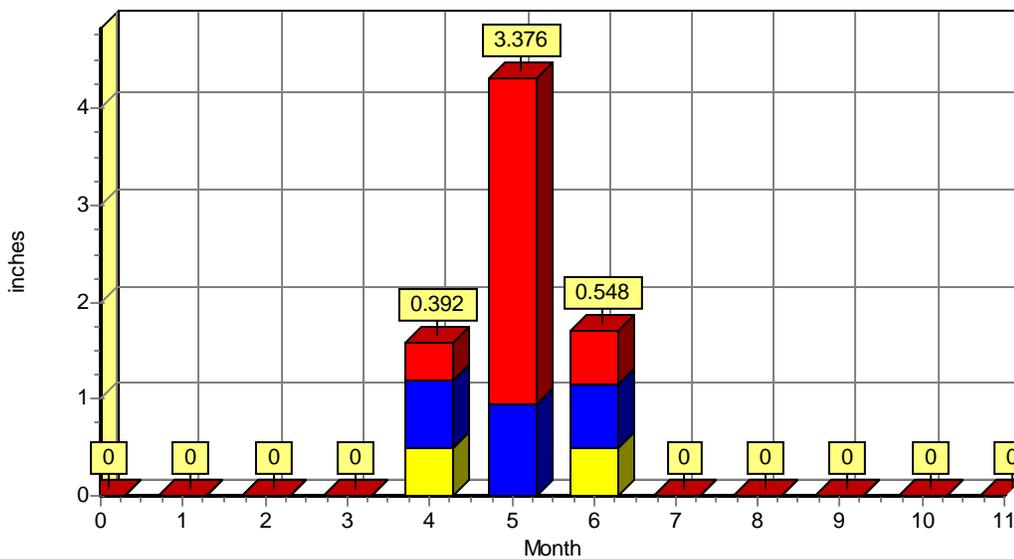
Begin: **0.5** inches End: **0.5** inches

Irrigation Water Requirements
Normal Year (50% chance)



■ Carryover Used
■ Effective Precipitation
■ Irrigation Required

Irrigation Water Requirements
Dry Year (80% chance)



■ Carryover Used
■ Effective Precipitation
■ Irrigation Required

Irrigation Water Requirements

Crop Data Summary

Job: Mora	Crop: Chile, green
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 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	1.22	0.68	0.04	0.87	0.00	0.04	
June	3.88	0.92	2.96	1.18	2.55	0.13	0.15
July	5.24	1.48	3.76	1.90	3.34	0.17	0.19
August	4.07	1.47	2.61	1.88	2.15	0.13	0.15
September	0.91	0.36	0.05	0.46	0.00	0.06	
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	15.33	4.90	9.43	6.29	8.04		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Chile, green**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

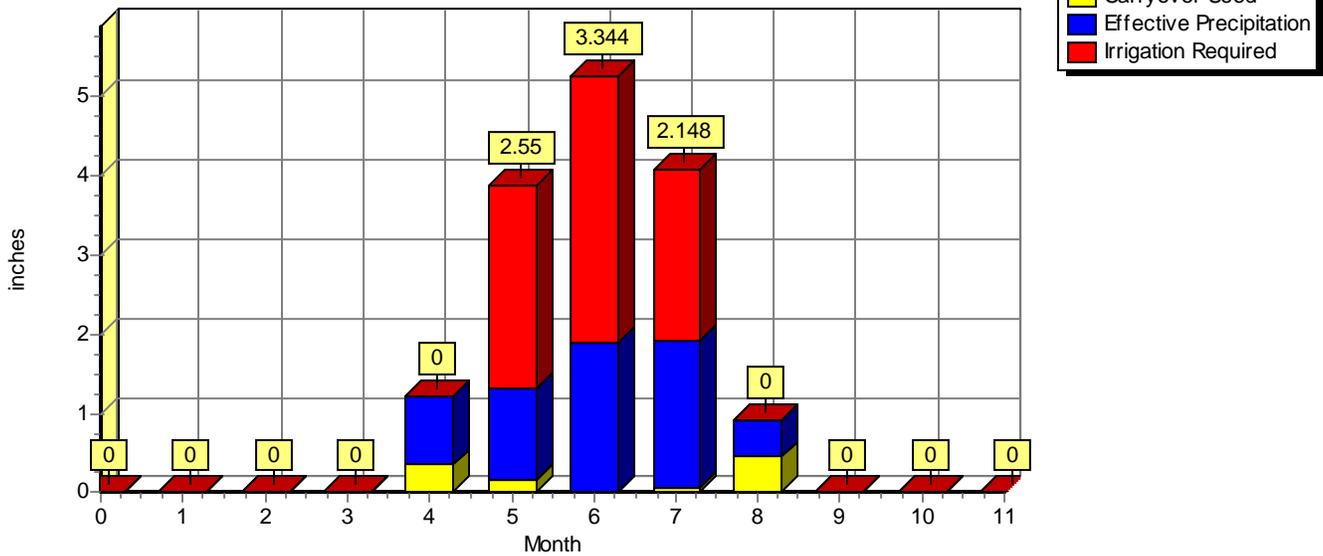
Begin Growth: **5/2** End Growth: **9/15**

Net irrigation application: **1** inches

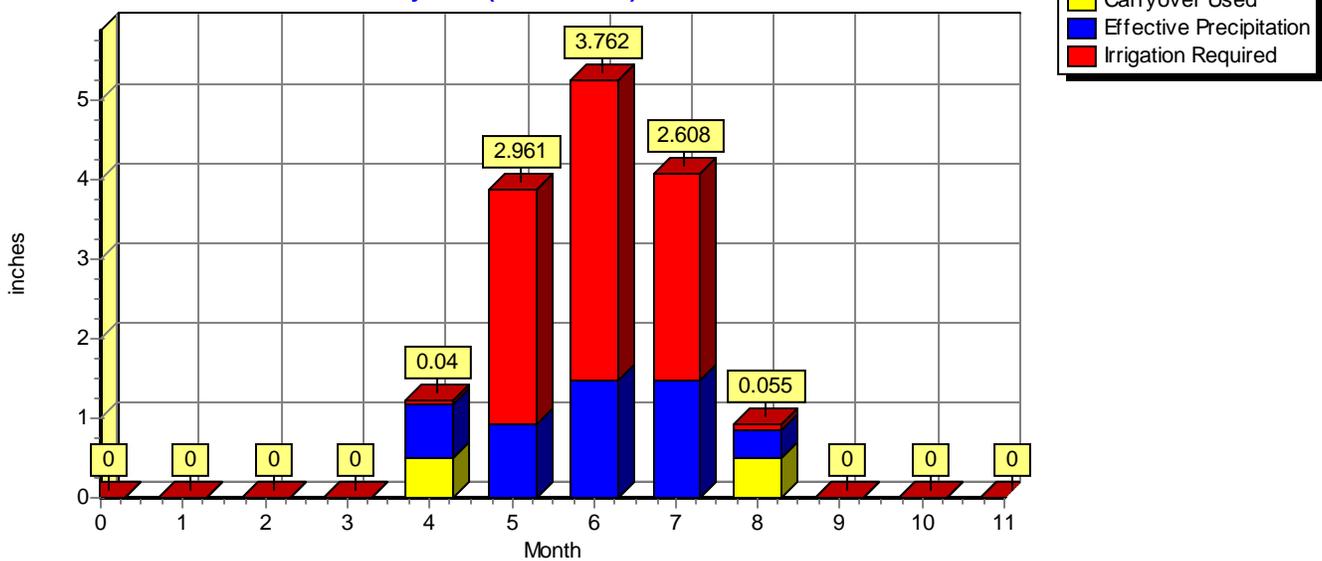
Estimated carryover moisture used at season:

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: Mora	Crop: Corn, blue
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 5/1 End Growth: 9/10	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	1.52	0.72	0.30	0.92	0.10	0.05	
June	4.45	0.95	3.51	1.21	3.24	0.15	0.17
July	6.83	1.62	5.21	2.08	4.76	0.22	0.25
August	5.97	1.63	4.34	2.09	3.88	0.19	0.22
September	1.64	0.28	0.86	0.37	0.78	0.16	
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	20.41	5.19	14.22	6.66	12.75		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Corn, blue**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

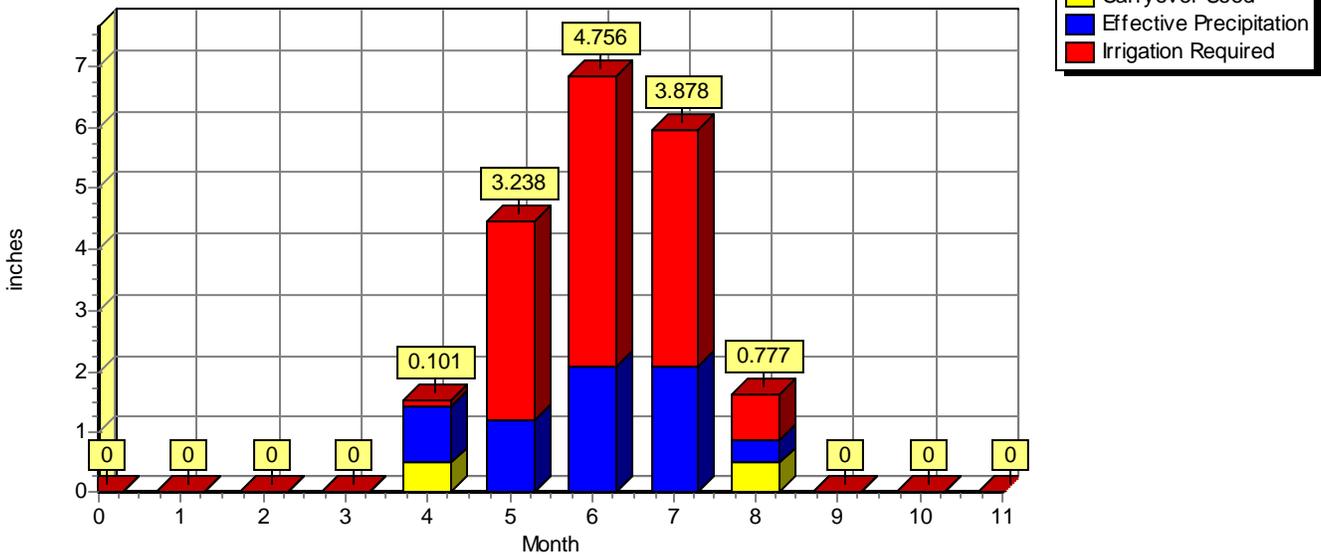
Begin Growth: **5/1** End Growth: **9/10**

Net irrigation application: **1** inches

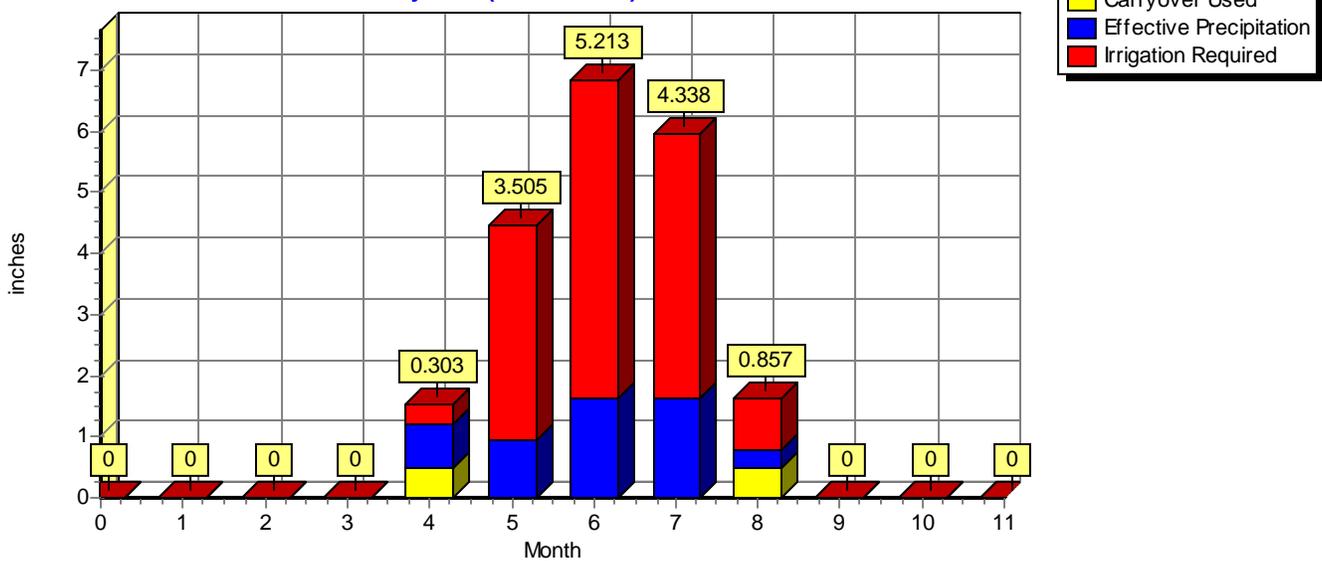
Estimated carryover moisture used at season:

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: Mora	Crop: Corn, sweet
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 5/15 End Growth: 8/30	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	0.00	0.00	0.00	0.00	0.00	0.00	
May	1.02	0.39	0.13	0.50	0.02	0.06	
June	4.04	0.92	3.12	1.19	2.85	0.13	0.15
July	6.80	1.62	5.19	2.07	4.73	0.22	0.25
August	5.71	1.57	3.64	2.01	3.19	0.19	
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	17.57	4.50	12.07	5.77	10.80		

- (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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Corn, sweet**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

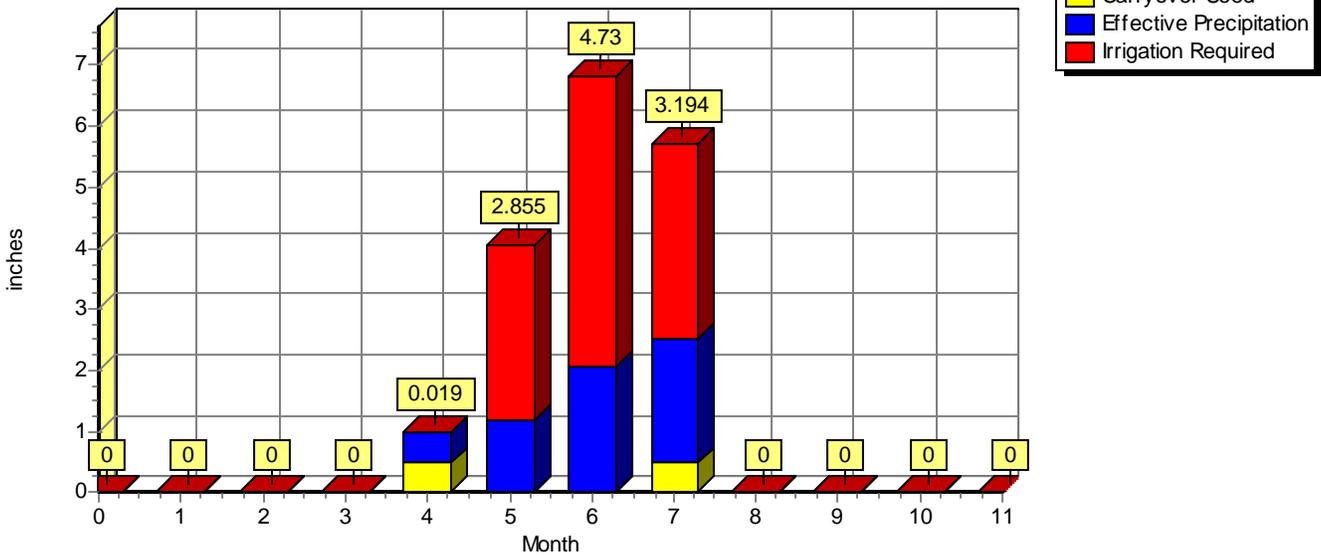
Begin Growth: **5/15** End Growth: **8/30**

Net irrigation application: **1** inches

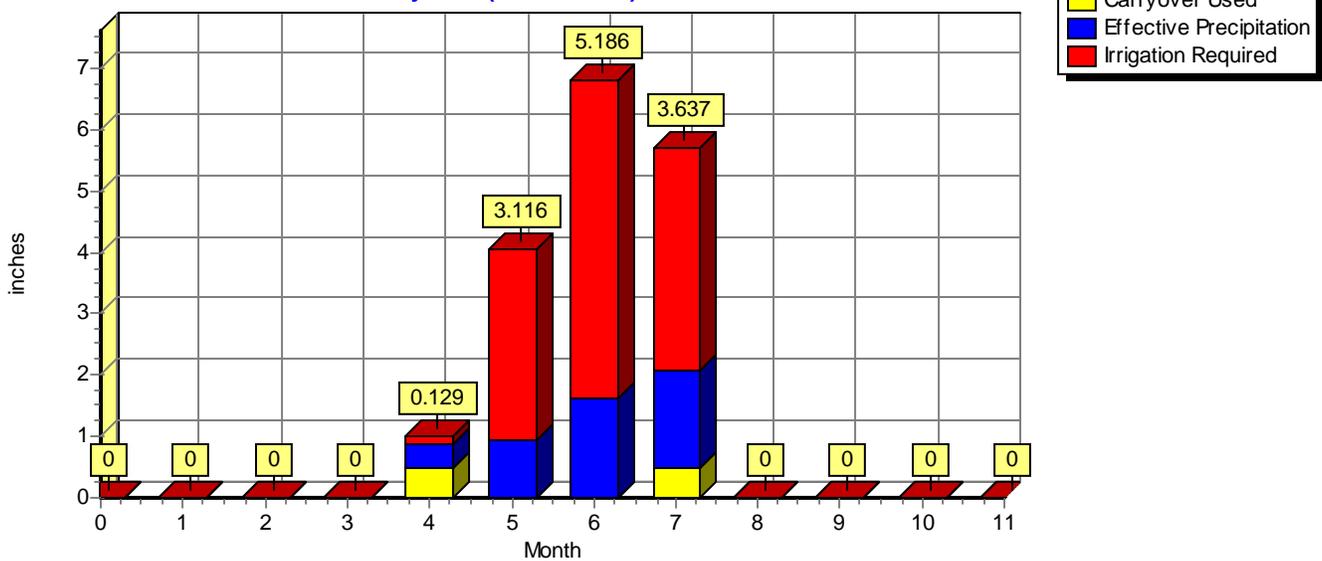
Estimated carryover moisture used at season:

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: Mora	Crop: Cut Flowers
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 4/2 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	0.62	0.38	0.00	0.48	0.00	0.02	
May	2.36	0.77	1.33	0.99	1.01	0.08	0.09
June	4.24	0.94	3.31	1.20	3.04	0.14	0.16
July	5.27	1.48	3.78	1.90	3.36	0.17	0.19
August	4.26	1.48	2.78	1.90	2.36	0.14	0.16
September	2.05	0.72	0.83	0.93	0.62	0.07	
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	18.80	5.77	12.02	7.40	10.39		

(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: 8/16/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Cut Flowers**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

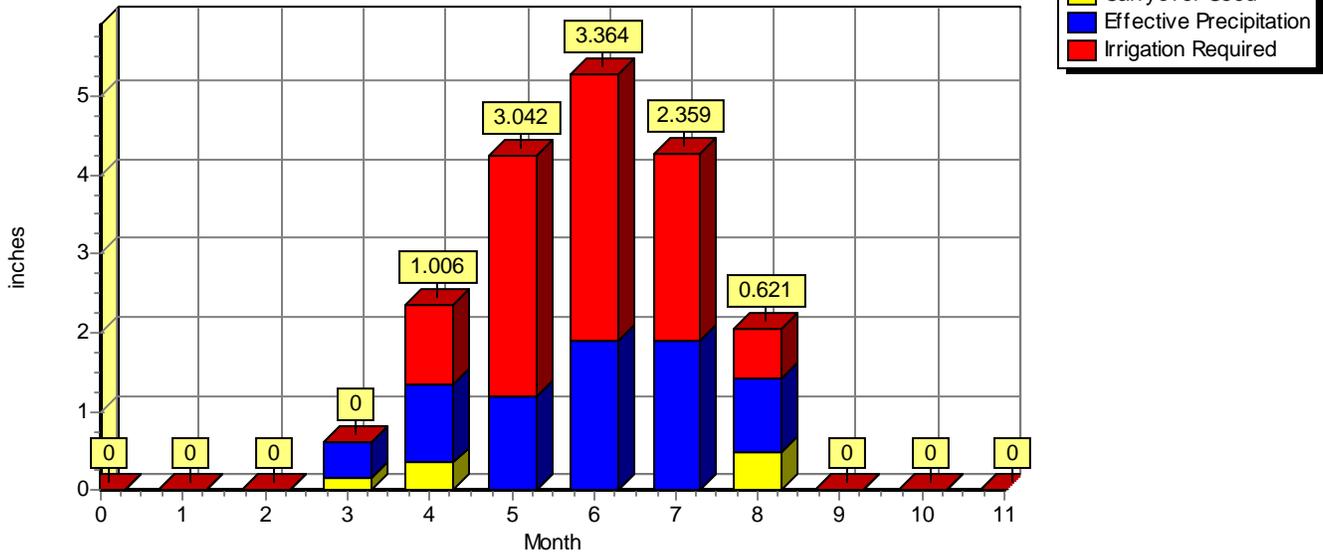
Begin Growth: **4/2** End Growth: **9/30**

Net irrigation application: **1** inches

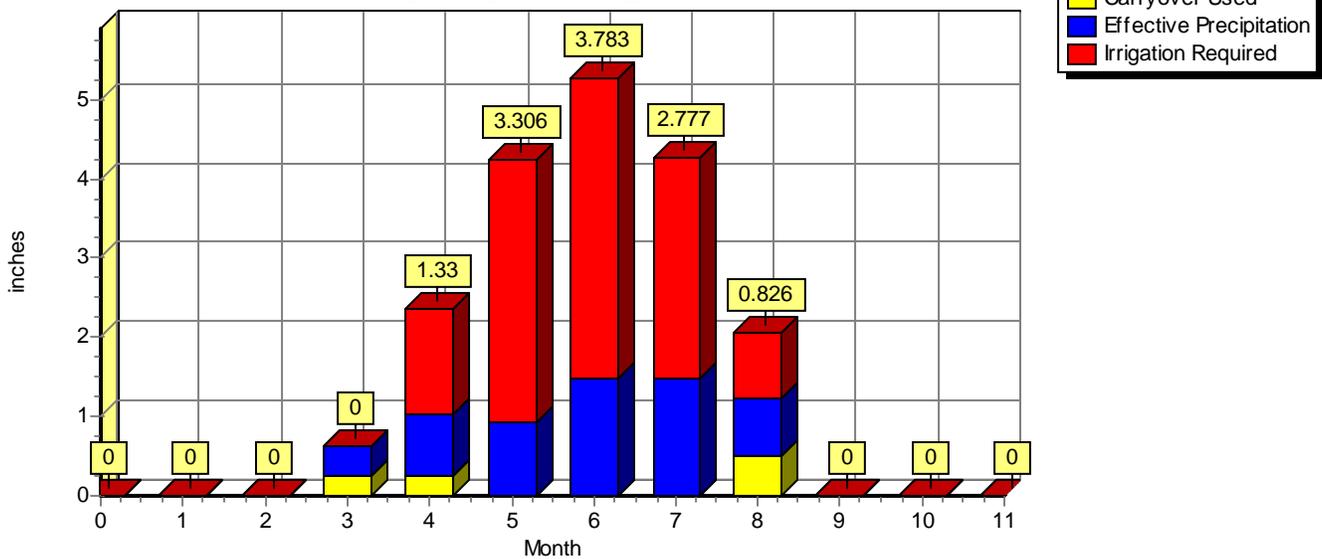
Estimated carryover moisture used at season:

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: Mora	Crop: Garlic
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 10/1 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	0.57	0.12	0.45	0.15	0.42	0.02	0.02
February	0.68	0.11	0.58	0.13	0.55	0.02	0.03
March	1.04	0.27	0.77	0.35	0.69	0.03	0.04
April	1.59	0.42	1.17	0.54	1.05	0.05	0.06
May	2.27	0.77	1.50	0.99	1.28	0.07	0.08
June	1.18	0.42	0.26	0.54	0.14	0.08	
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	1.06	0.39	0.16	0.51	0.05	0.03	
November	0.53	0.23	0.30	0.29	0.23	0.02	0.02
December	0.52	0.20	0.32	0.25	0.27	0.02	0.02
TOTAL	9.43	2.93	5.50	3.76	4.67		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Garlic**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

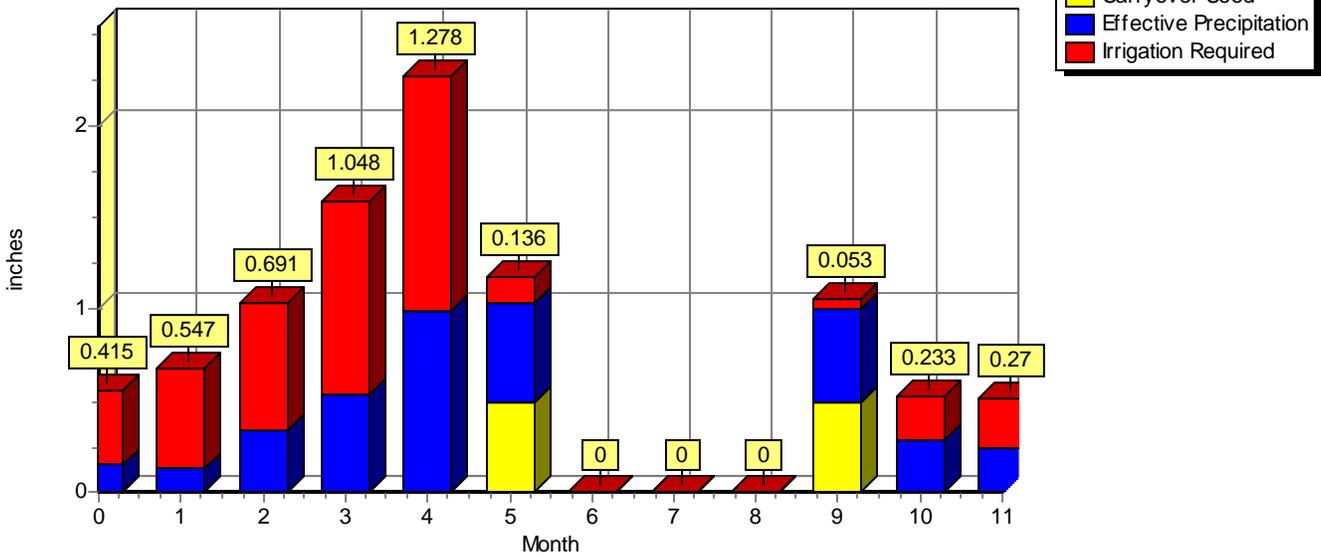
Begin Growth: **10/1** End Growth: **6/15**

Net irrigation application: **1** inches

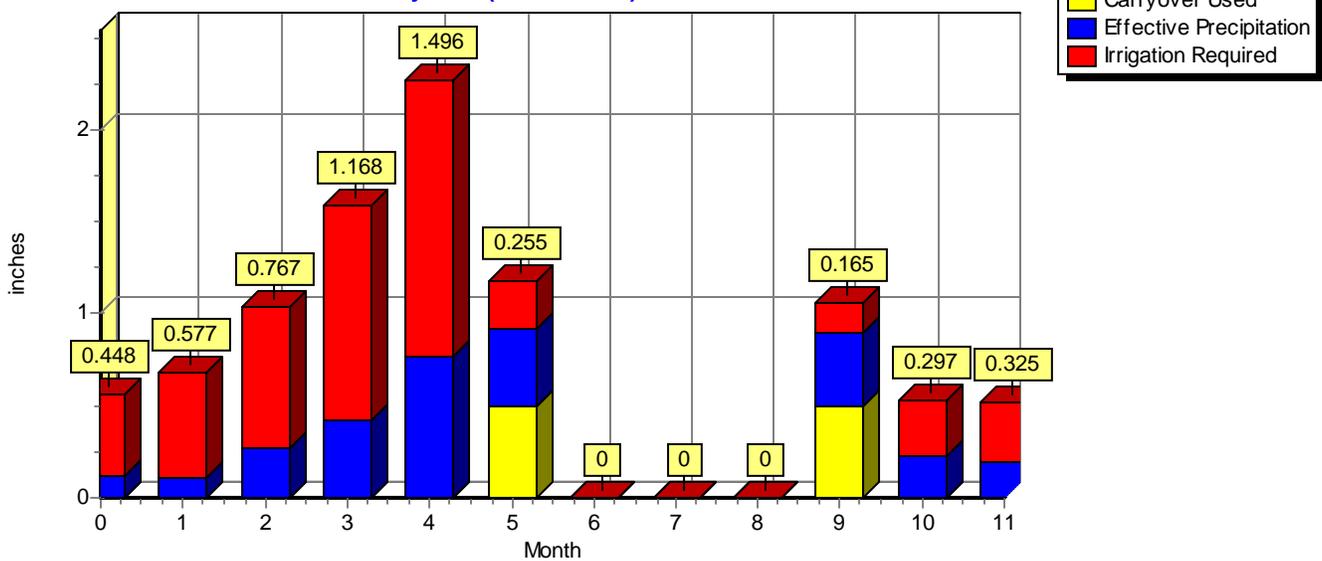
Estimated carryover moisture used at season:

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: Mora	Crop: Grain, spring
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 7/15	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	0.97	0.40	0.07	0.51	0.00	0.03	
May	4.46	0.87	3.58	1.12	3.30	0.14	0.16
June	4.96	0.97	3.64	1.25	3.24	0.17	0.19
July	0.58	0.43	0.00	0.56	0.00	0.04	
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	10.97	2.68	7.30	3.43	6.54		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Grain, spring**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

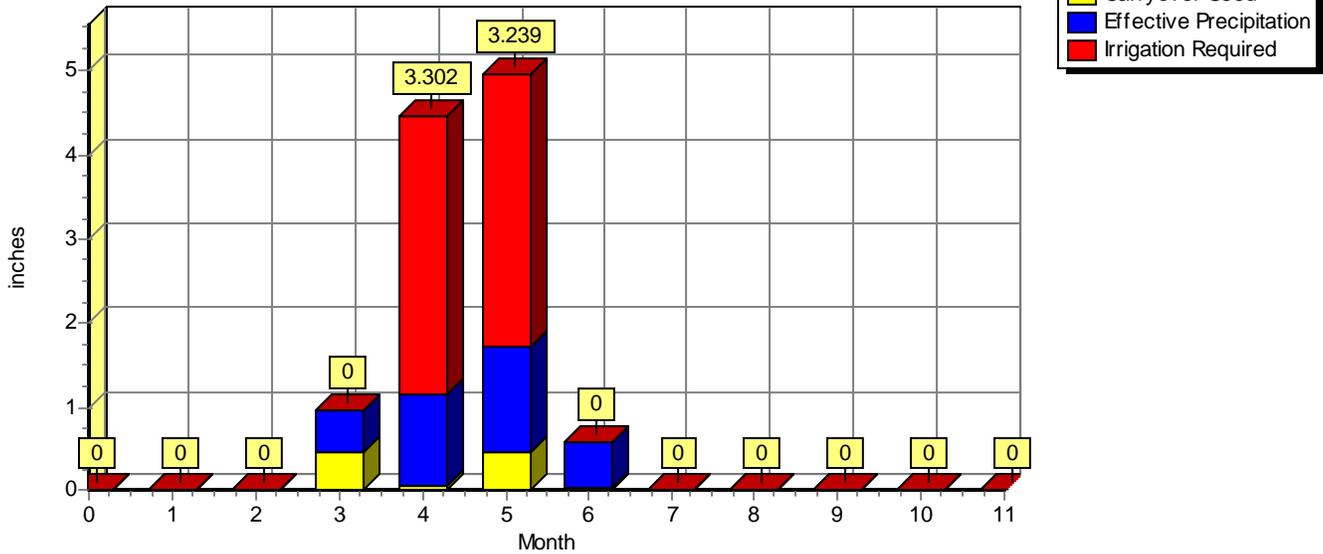
Begin Growth: **4/1** End Growth: **7/15**

Net irrigation application: **1** inches

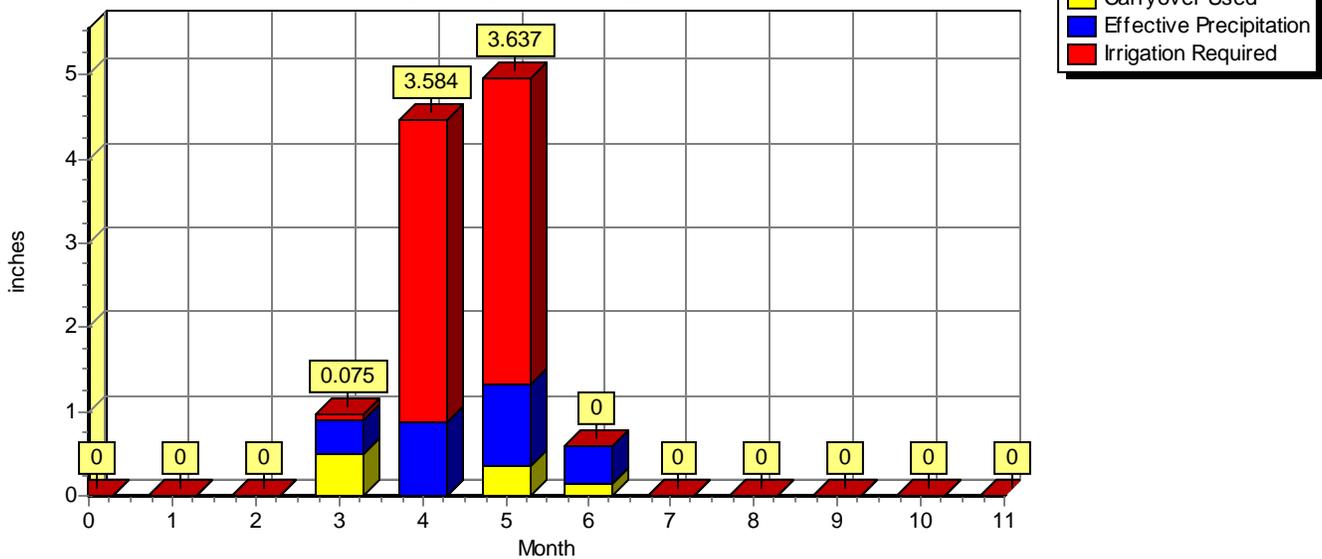
Estimated carryover moisture used at season:

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: Mora	Crop: Grass, hay
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 1 inches
Crop Curve: Blaney Criddle Perennial Crop	Estimated carryover moisture used at season:
Begin Growth: 5/15 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	0.00	0.00	0.00	0.00	0.00	0.00	
May	1.87	0.42	0.95	0.54	0.83	0.11	
June	4.99	0.98	4.01	1.25	3.74	0.17	0.19
July	5.89	1.54	4.35	1.97	3.92	0.19	0.22
August	5.14	1.55	3.58	1.99	3.14	0.17	0.19
September	3.34	0.78	2.06	1.00	1.84	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	21.23	5.27	14.96	6.76	13.48		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Grass, hay**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

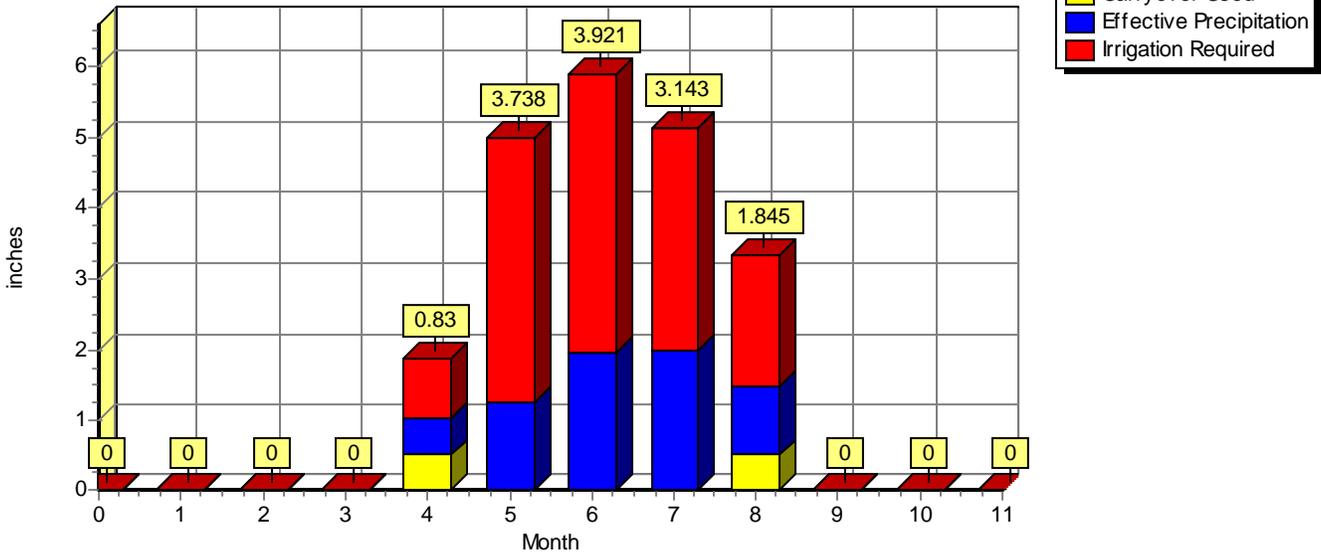
Begin Growth: **5/15** End Growth: **9/30**

Net irrigation application: **1** inches

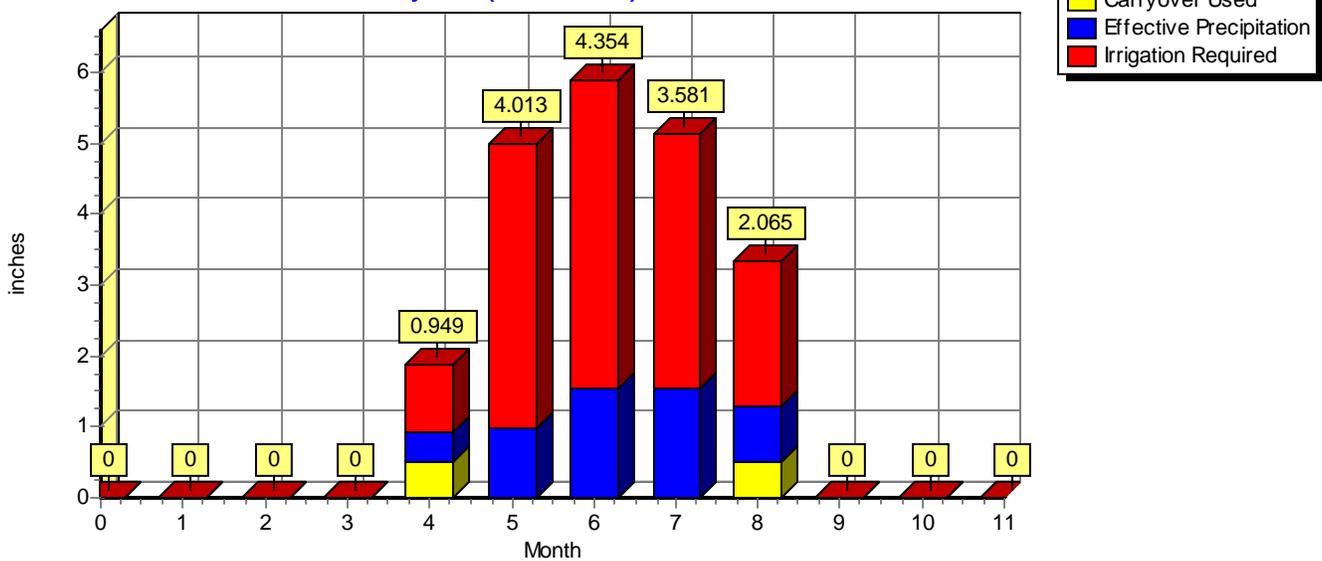
Estimated carryover moisture used at season:

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: Mora	Crop: Lettuce, spring plant
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 4/2 End Growth: 6/30	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	0.83	0.38	0.00	0.49	0.00	0.03	
May	3.03	0.80	2.17	1.03	1.84	0.10	0.11
June	3.46	0.90	2.07	1.15	1.81	0.12	
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	7.32	2.08	4.24	2.67	3.65		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Lettuce, spring plant**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

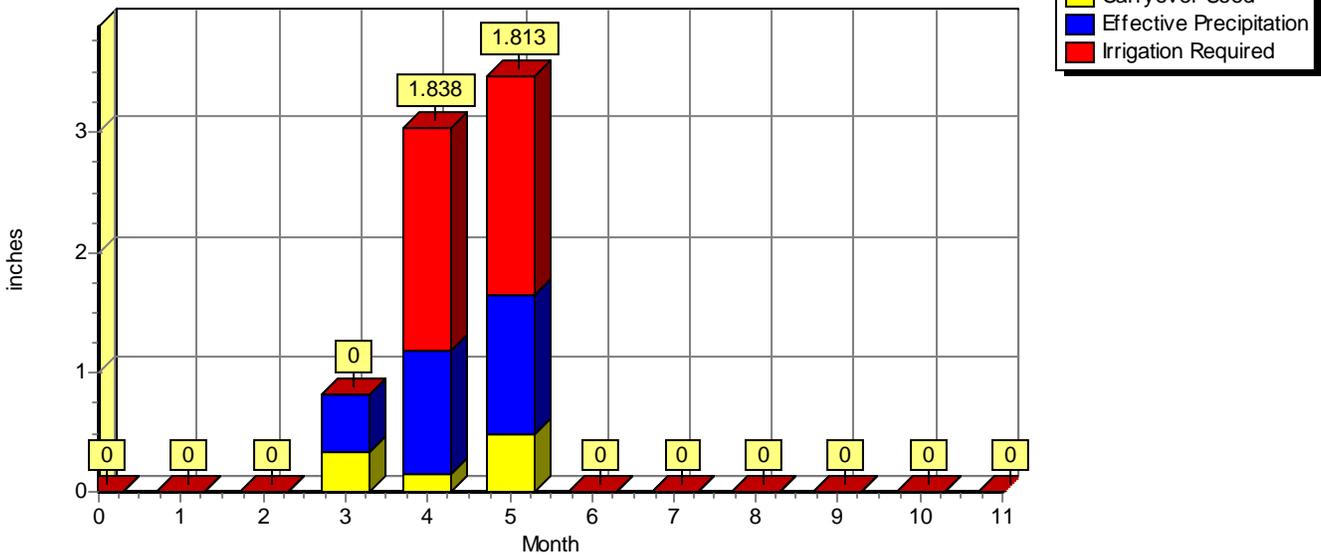
Begin Growth: **4/2** End Growth: **6/30**

Net irrigation application: **1** inches

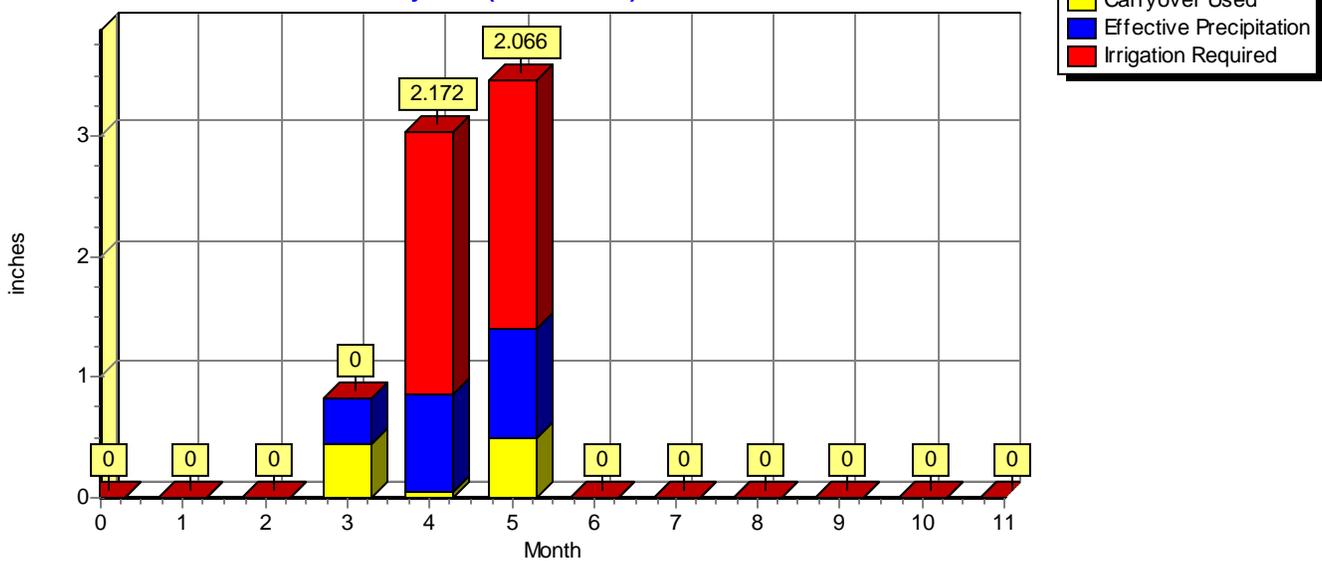
Estimated carryover moisture used at season:

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: Mora	Crop: Melons, spring
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 5/25 End Growth: 8/25	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	0.45	0.15	0.00	0.19	0.00	0.06	
June	3.21	0.88	2.13	1.13	1.84	0.11	0.12
July	5.11	1.47	3.64	1.89	3.23	0.16	0.19
August	3.34	1.19	1.65	1.52	1.32	0.13	
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	12.11	3.69	7.42	4.73	6.38		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Melons, spring**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

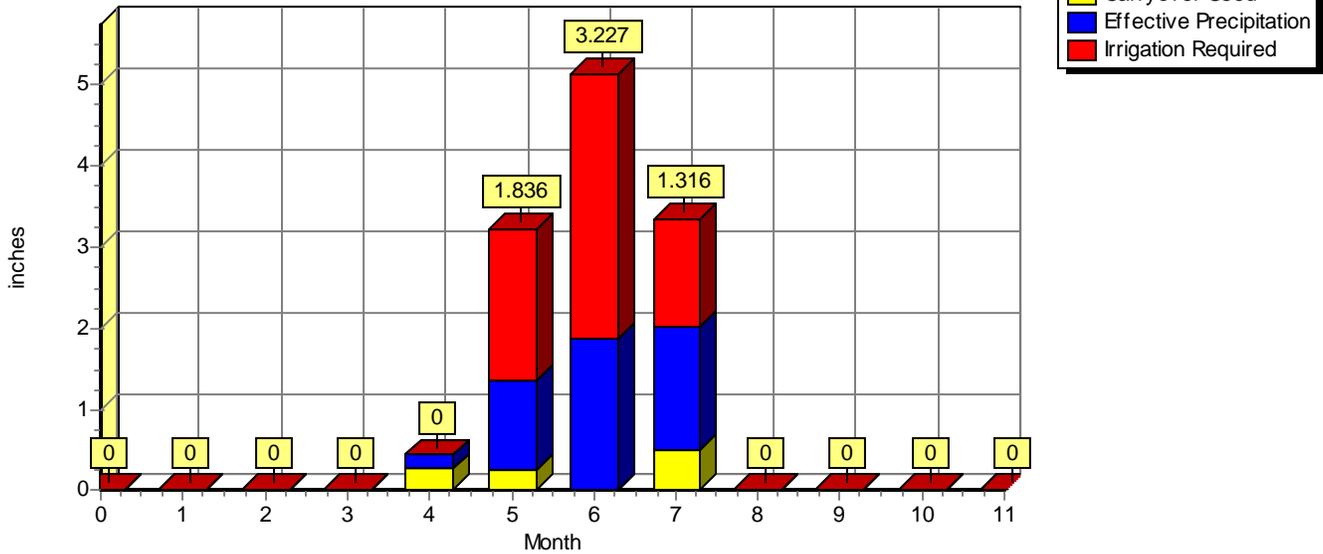
Begin Growth: **5/25** End Growth: **8/25**

Net irrigation application: **1** inches

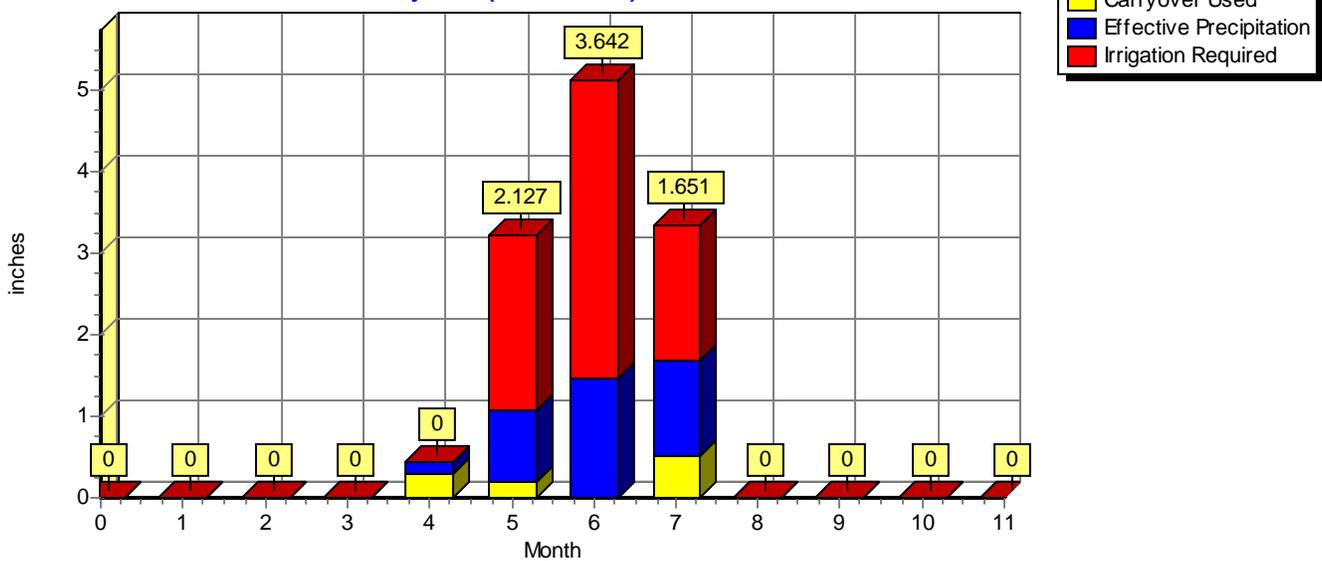
Estimated carryover moisture used at season:

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: Mora	Crop: Nursery Stock
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 1 inches
Crop Curve: Blaney Criddle Perennial Crop	Estimated carryover moisture used at season:
Begin Growth: 5/1 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	0.00	0.00	0.00	0.00	0.00	0.00	
May	2.51	0.76	1.25	0.97	1.04	0.08	
June	5.18	0.99	4.19	1.26	3.91	0.17	0.20
July	6.05	1.55	4.50	1.99	4.06	0.20	0.22
August	4.59	1.51	3.08	1.93	2.66	0.15	0.17
September	2.09	0.73	0.87	0.93	0.66	0.07	
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	20.42	5.53	13.89	7.09	12.34		

- (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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Nursery Stock**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

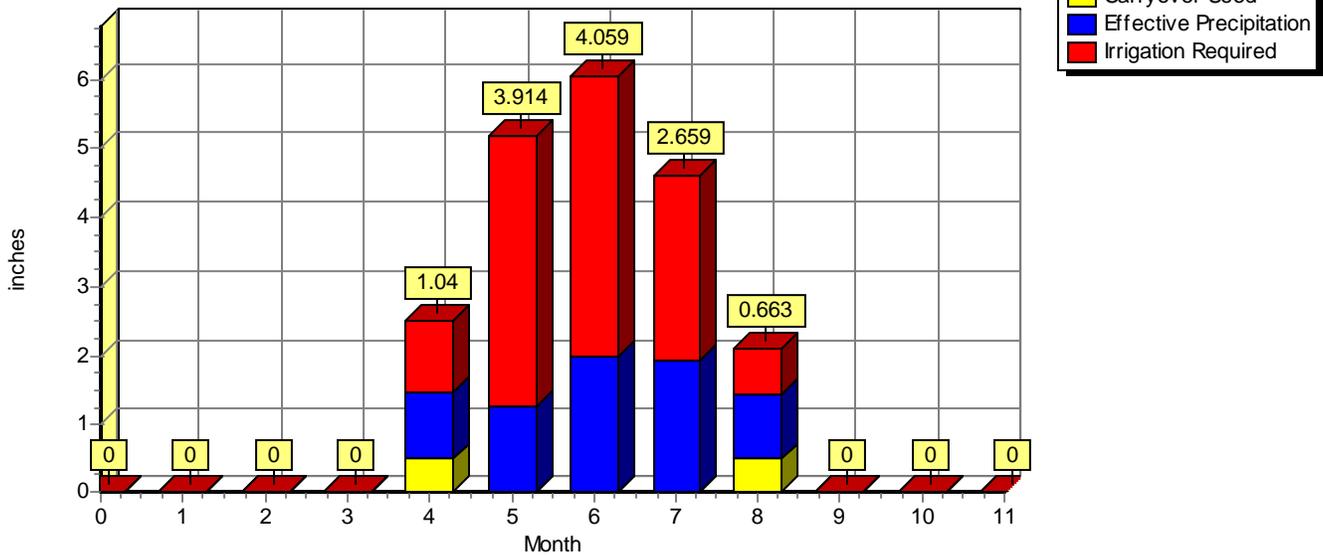
Begin Growth: **5/1** End Growth: **9/30**

Net irrigation application: **1** inches

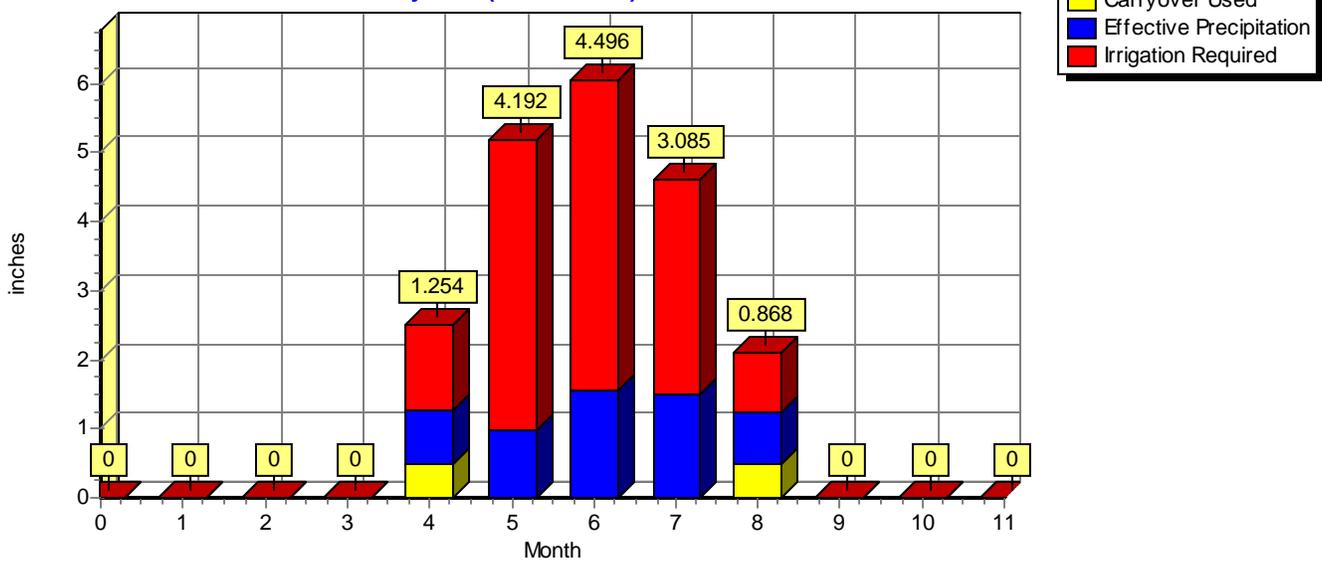
Estimated carryover moisture used at season:

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: Mora	Crop: Peas, green
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 4/2 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	0.00	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	1.22	0.39	0.33	0.50	0.22	0.04	
May	4.13	0.86	3.28	1.10	3.03	0.13	0.15
June	2.72	0.50	1.72	0.64	1.58	0.18	
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	8.07	1.74	5.33	2.24	4.84		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Peas, green**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

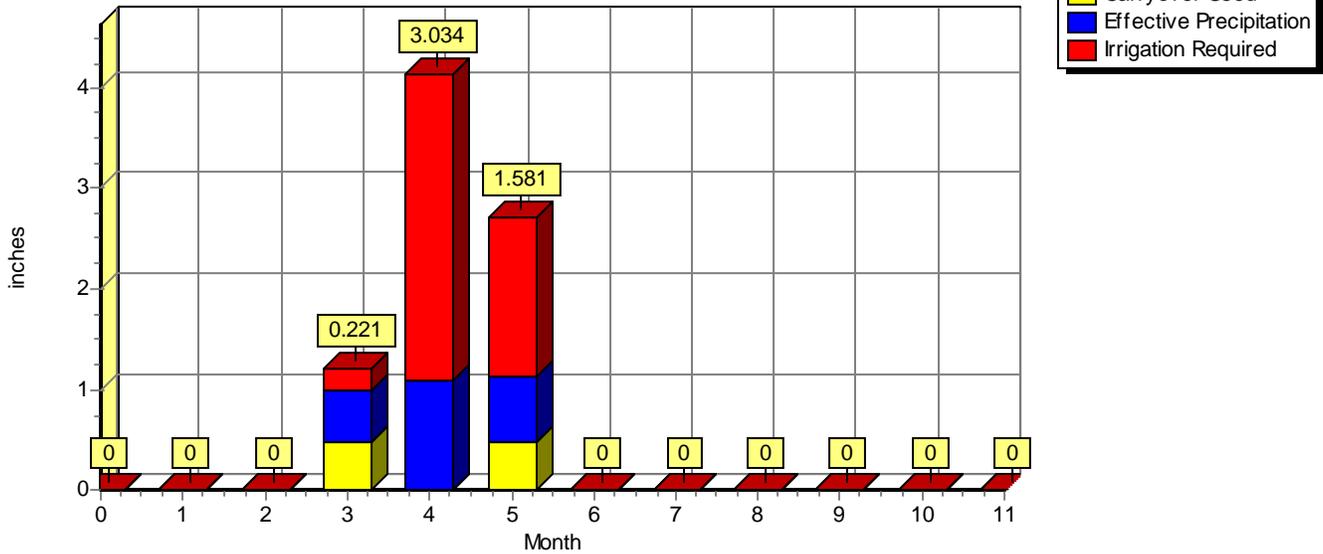
Begin Growth: **4/2** End Growth: **6/15**

Net irrigation application: **1** inches

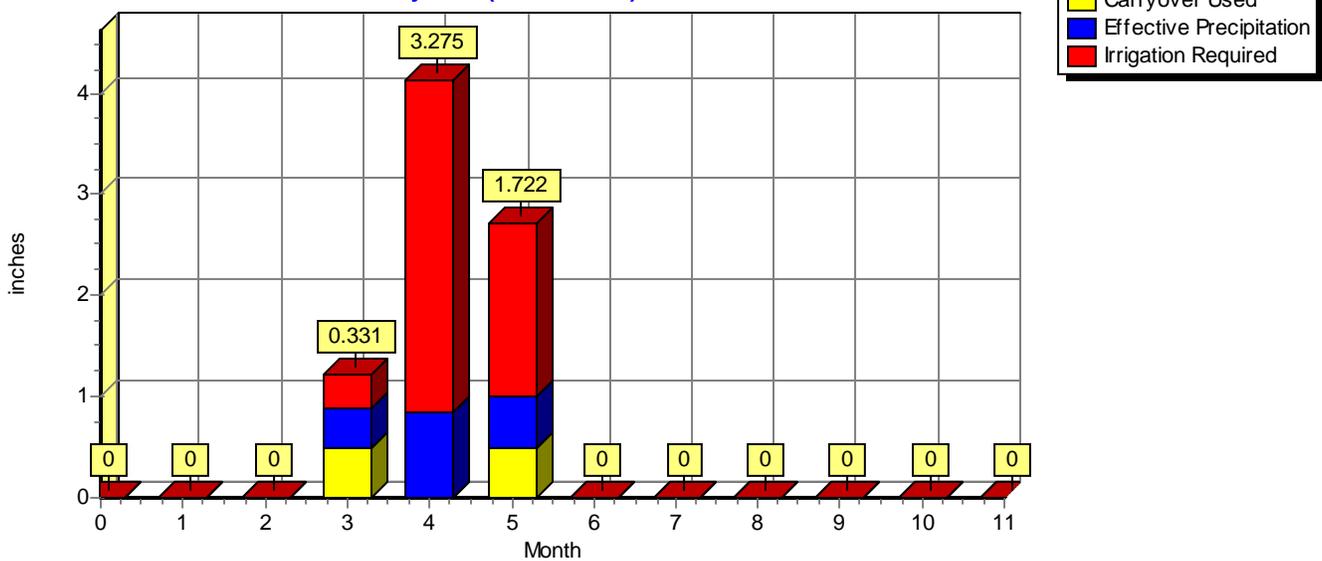
Estimated carryover moisture used at season:

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: Mora	Crop: Radish early
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 4/25 End Growth: 6/25	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	0.19	0.07	0.00	0.09	0.00	0.03	
May	2.66	0.79	1.49	1.01	1.25	0.09	0.10
June	2.92	0.75	1.67	0.96	1.46	0.12	
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	5.77	1.60	3.16	2.06	2.71		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Radish early**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

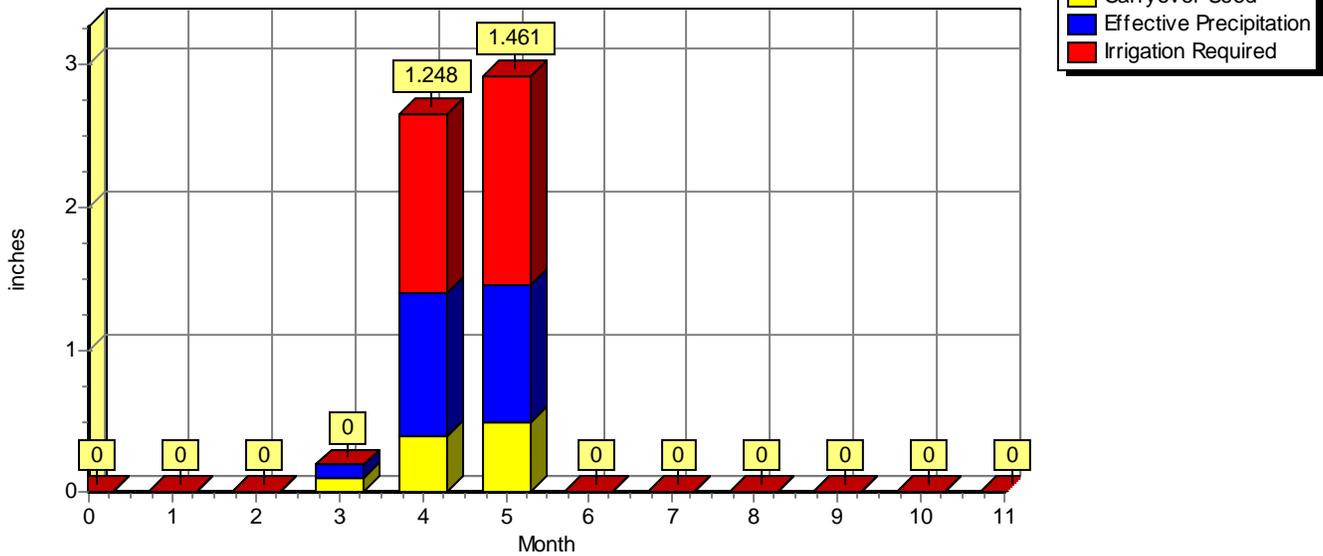
Begin Growth: **4/25** End Growth: **6/25**

Net irrigation application: **1** inches

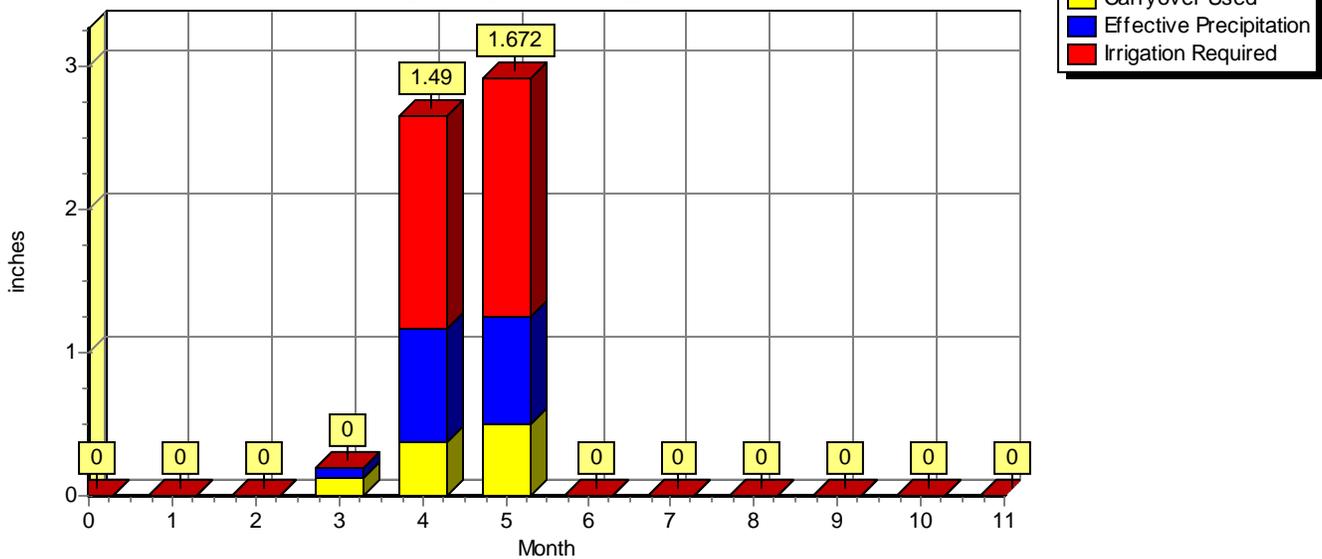
Estimated carryover moisture used at season:

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: Mora	Crop: Raspberries-Blackberries
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 1 inches
Crop Curve: Blaney Criddle Perennial Crop	Estimated carryover moisture used at season:
Begin Growth: 4/1 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	0.85	0.39	0.00	0.50	0.00	0.03	
May	2.68	0.79	1.85	1.01	1.52	0.09	0.10
June	4.32	0.94	3.38	1.20	3.12	0.14	0.16
July	5.12	1.47	3.65	1.89	3.23	0.17	0.19
August	4.29	1.48	2.81	1.90	2.39	0.14	0.16
September	2.42	0.74	1.18	0.95	0.97	0.08	
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	19.69	5.82	12.88	7.46	11.23		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Raspberries-Blackberries**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

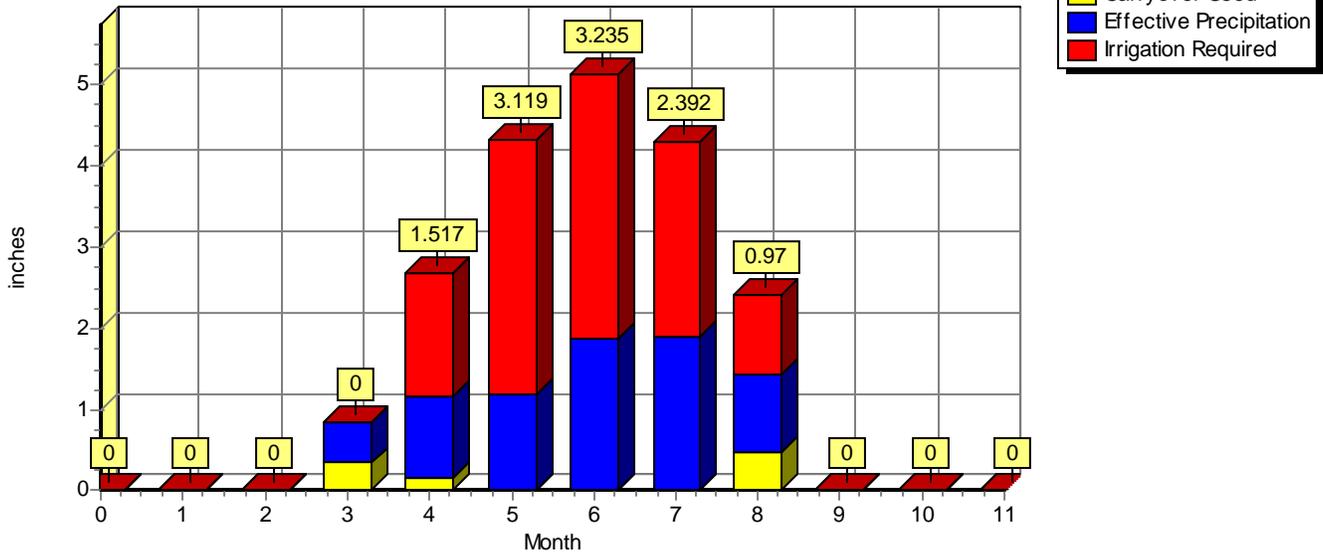
Begin Growth: **4/1** End Growth: **9/30**

Net irrigation application: **1** inches

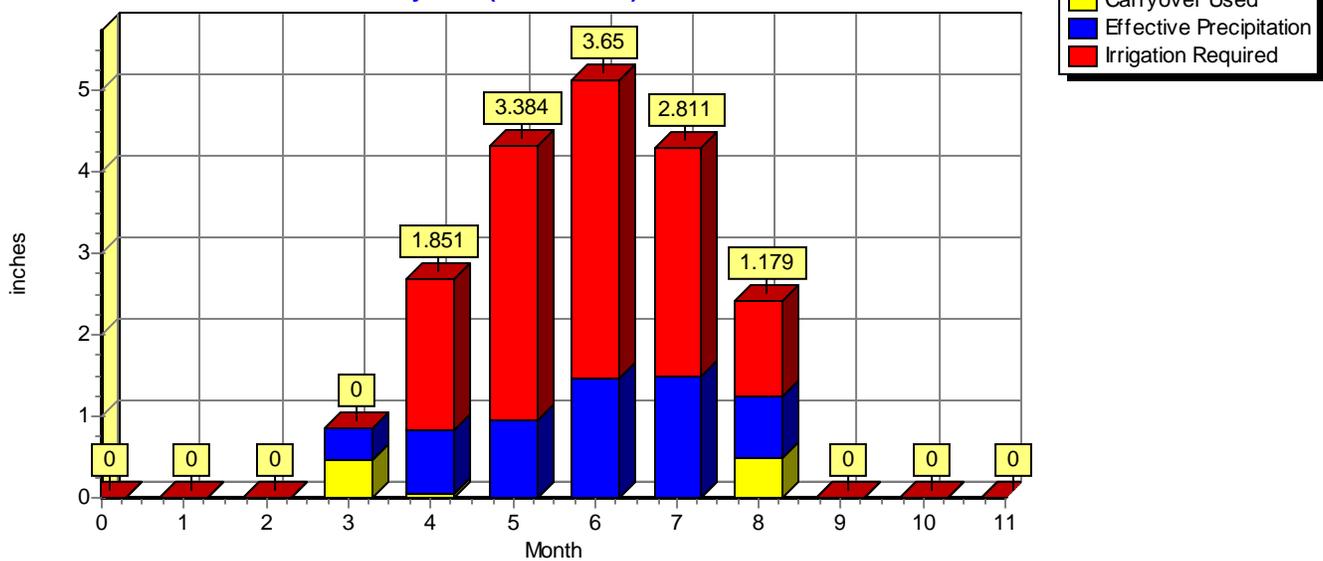
Estimated carryover moisture used at season:

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: Mora	Crop: Tomato
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 6/2 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	0.00	0.00	0.00	0.00	0.00	0.00	
May	0.00	0.00	0.00	0.00	0.00	0.00	
June	2.09	0.78	0.82	1.00	0.60	0.07	
July	4.60	1.43	3.17	1.83	2.77	0.15	0.17
August	5.67	1.60	4.07	2.05	3.62	0.18	0.21
September	3.15	0.77	1.88	0.99	1.66	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	15.52	4.58	9.94	5.87	8.65		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Tomato**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

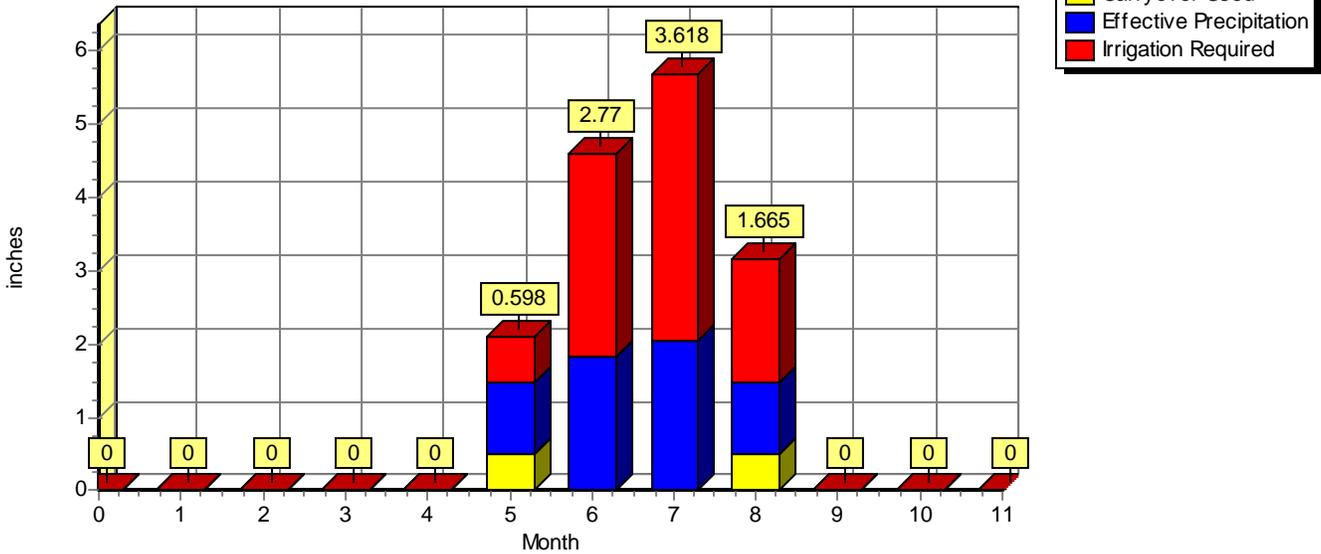
Begin Growth: **6/2** End Growth: **9/30**

Net irrigation application: **1** inches

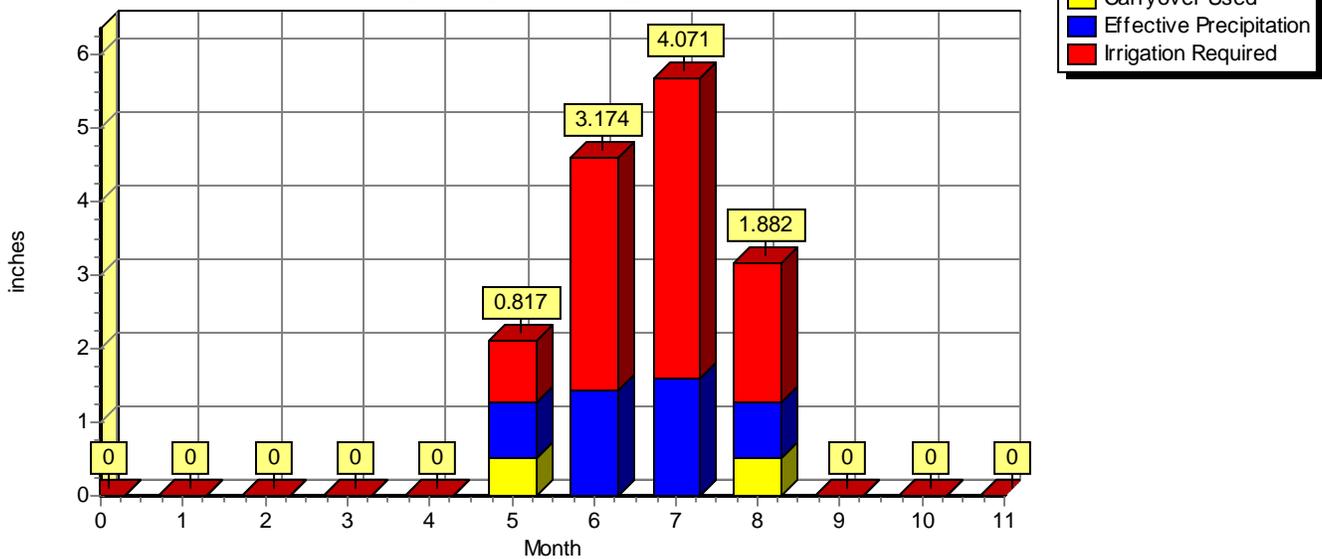
Estimated carryover moisture used at season:

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: Mora	Crop: Wheat, winter, grain
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 9/2 End Growth: 6/30	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	0.55	0.12	0.44	0.15	0.40	0.02	0.02
February	0.76	0.11	0.65	0.14	0.62	0.03	0.03
March	1.30	0.27	1.03	0.35	0.95	0.04	0.05
April	2.41	0.44	1.97	0.57	1.84	0.08	0.09
May	4.63	0.88	3.75	1.13	3.51	0.15	0.17
June	7.15	1.10	5.55	1.41	5.24	0.24	
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	1.38	0.67	0.21	0.86	0.02	0.05	
October	0.90	0.40	0.49	0.52	0.38	0.03	0.03
November	0.51	0.23	0.28	0.29	0.22	0.02	0.02
December	0.49	0.20	0.30	0.25	0.24	0.02	0.02
TOTAL	20.09	4.42	14.67	5.67	13.42		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Wheat, winter, grain**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

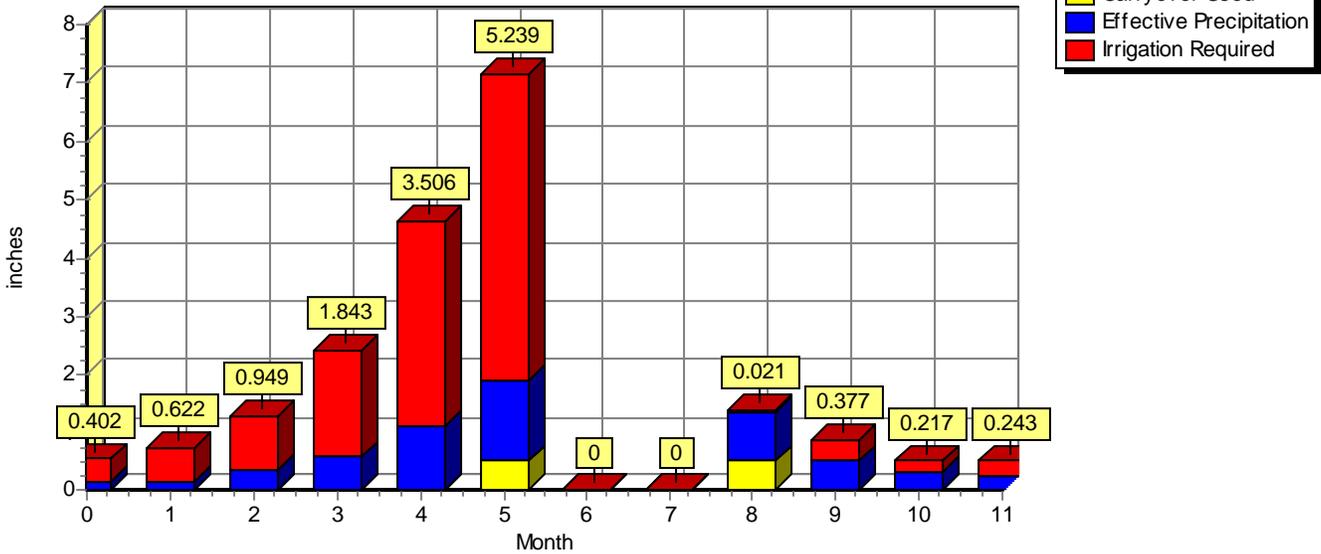
Begin Growth: **9/2** End Growth: **6/30**

Net irrigation application: **1** inches

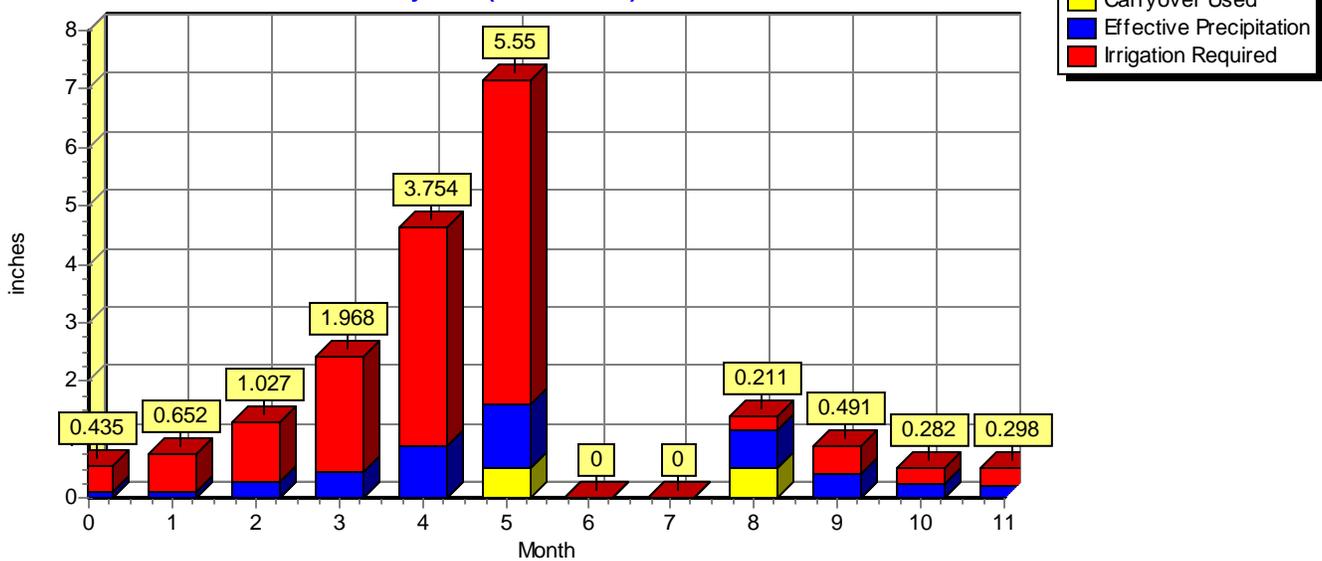
Estimated carryover moisture used at season:

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: Mora	Crop: Winter Wheat, graze out
Location: Mora County	County: Mora, NM
By: MAS	Date: 07/20/05
Weather Station: OCATE 1 N	Sta No: NM6275
Latitude: 3611 Longitude: 10503	Elevation: 7670 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: 4/2 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	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.61	0.38	0.00	0.48	0.00	0.02	
May	2.57	0.78	1.53	1.01	1.20	0.08	0.09
June	5.46	1.00	4.46	1.28	4.18	0.18	0.21
July	7.79	1.68	5.61	2.15	5.14	0.26	
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	16.44	3.84	11.60	4.92	10.52		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Mora**

Crop: **Winter Wheat, graze out**

Location: **Mora County**

Date: **07/20/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

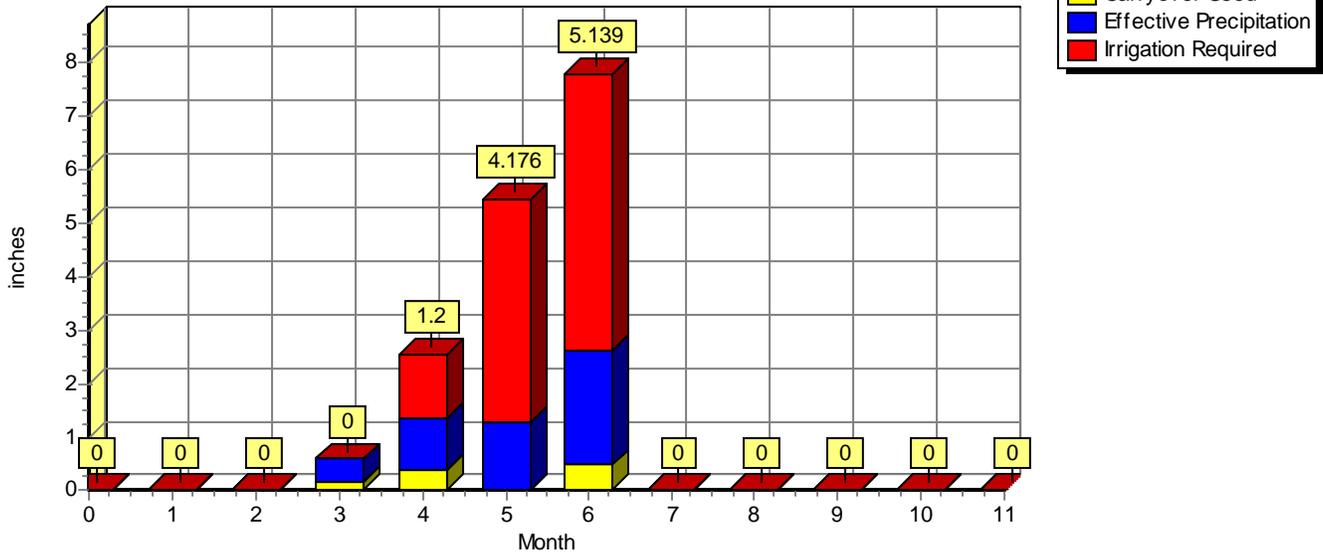
Begin Growth: **4/2** End Growth: **7/30**

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)

