

Irrigation Water Requirements

Crop Data Summary

Job: Alamogordo	Crop: Alfalfa, hay, southern
Location: Alamogordo	County: Otero, NM
By: Rhett	Date: 01/25/05
Weather Station: ALAMOGORDO	Sta No: NM0199
Latitude: 3253 Longitude: 10557	Elevation: 4350 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: 3/1 End Growth: 11/15	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	2.17	0.15	1.52	0.20	1.47	0.07	
April	4.46	0.11	4.35	0.15	4.31	0.15	0.17
May	7.51	0.29	7.22	0.38	7.12	0.24	0.28
June	10.16	0.56	9.60	0.74	9.42	0.34	0.39
July	10.57	1.21	9.37	1.61	8.96	0.34	0.39
August	8.96	1.16	7.80	1.55	7.41	0.29	0.33
September	6.32	0.85	5.47	1.13	5.19	0.20	0.23
October	3.87	0.51	3.36	0.68	3.19	0.12	0.14
November	0.94	0.13	0.31	0.18	0.26	0.06	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	54.95	4.96	48.99	6.62	47.33		

(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: 8/2/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

Crop: **Alfalfa, hay, southern**

Location: **Alamogordo**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

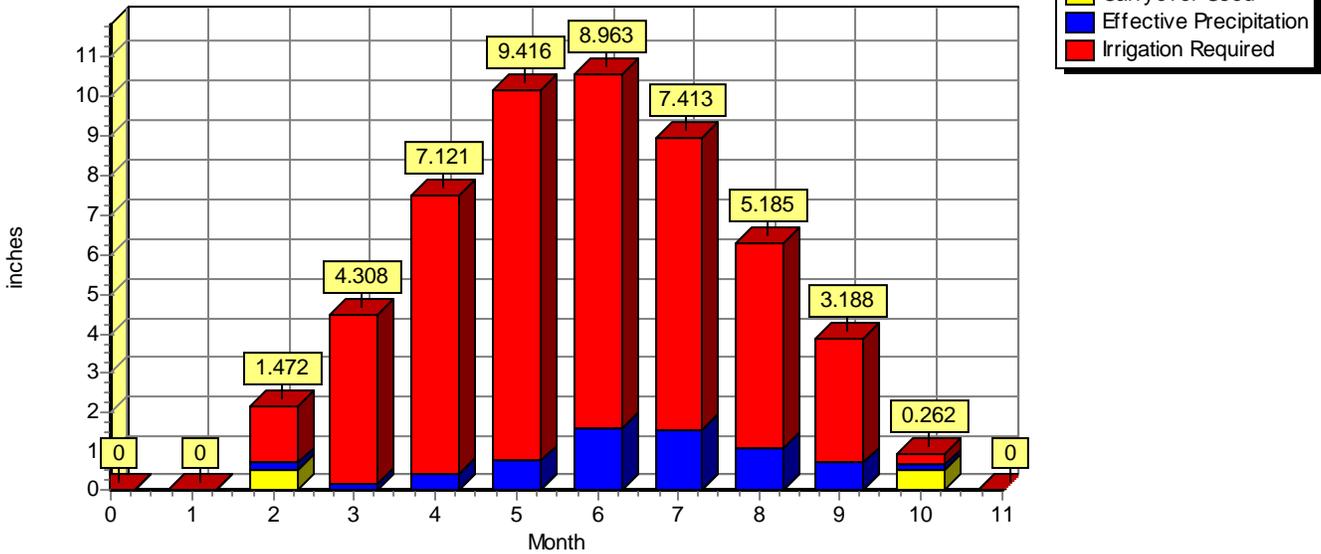
Begin Growth: **3/1** End Growth: **11/15**

Net irrigation application: **1** inches

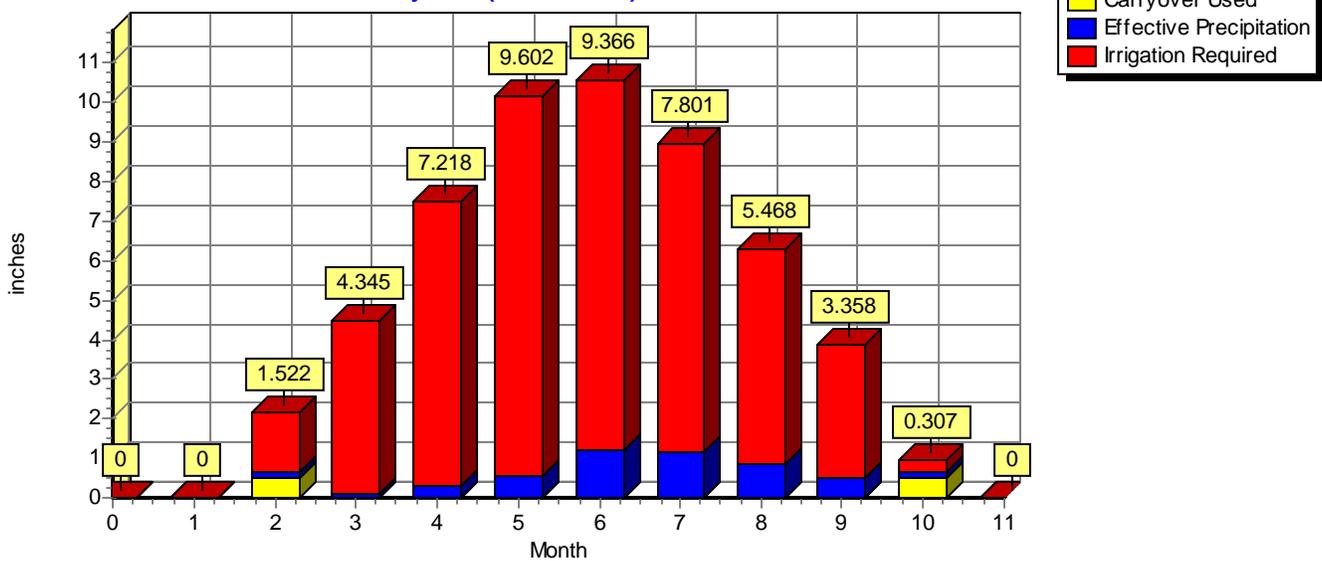
Estimated carryover moisture used at season:

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: Alamogordo	Crop: Apples, mature w cover
Location: Alamogordo	County: Otero, NM
By: Rhett	Date: 01/25/05
Weather Station: ALAMOGORDO	Sta No: NM0199
Latitude: 3253 Longitude: 10557	Elevation: 4350 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: 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	3.76	0.10	3.15	0.14	3.12	0.13	
May	7.54	0.29	7.25	0.39	7.15	0.24	0.28
June	10.16	0.56	9.60	0.74	9.42	0.34	0.39
July	10.57	1.21	9.37	1.61	8.96	0.34	0.39
August	8.96	1.16	7.80	1.55	7.41	0.29	0.33
September	6.32	0.85	5.47	1.13	5.19	0.20	0.23
October	1.92	0.25	1.18	0.33	1.09	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	49.23	4.41	43.82	5.89	42.34		

(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: 7/21/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

Crop: **Apples, mature w cover**

Location: **Alamogordo**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

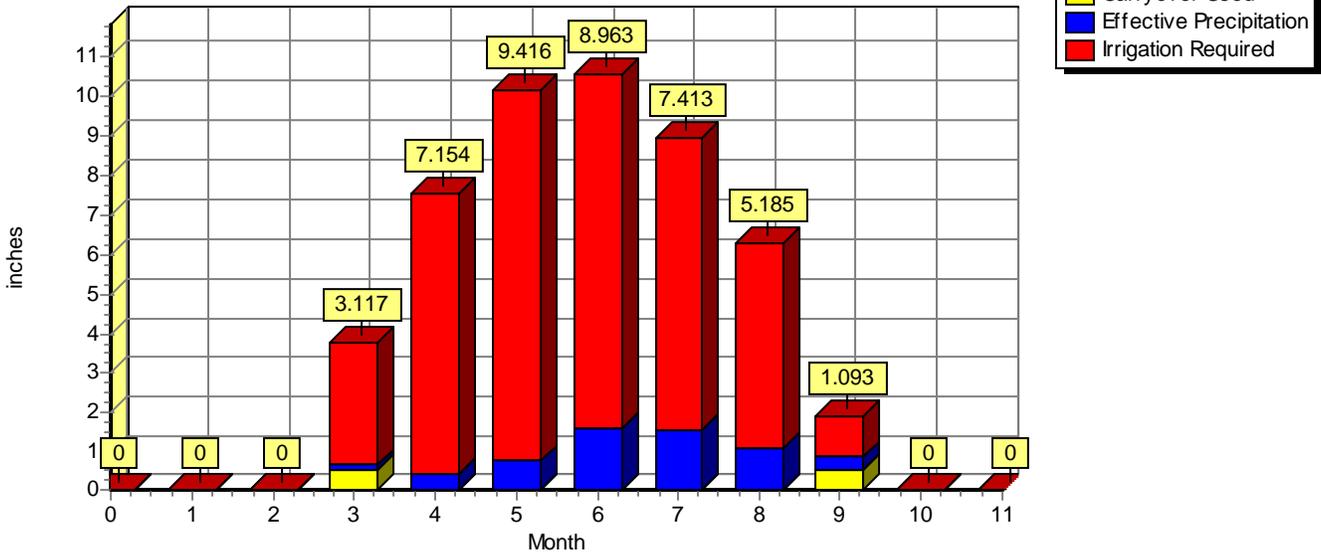
Begin Growth: **4/1** End Growth: **10/15**

Net irrigation application: **1** inches

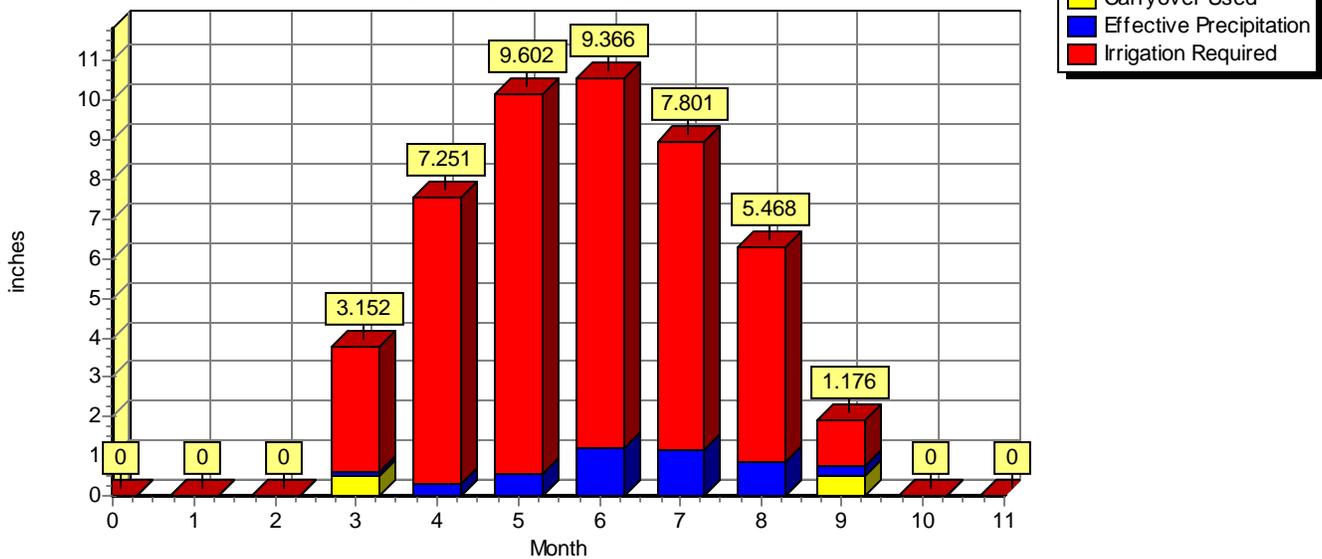
Estimated carryover moisture used at season:

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: Alamogordo	Crop: Apples, mature w/o cover
Location: Alamogordo	County: Otero, NM
By: Rhett	Date: 01/25/05
Weather Station: ALAMOGORDO	Sta No: NM0199
Latitude: 3253 Longitude: 10557	Elevation: 4350 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: 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	2.41	0.10	1.81	0.13	1.78	0.08	
May	5.99	0.26	5.72	0.35	5.63	0.19	0.22
June	8.63	0.51	8.12	0.68	7.94	0.29	0.33
July	9.01	1.11	7.91	1.47	7.54	0.29	0.33
August	6.84	1.03	5.81	1.38	5.47	0.22	0.25
September	3.46	0.72	2.71	0.96	2.39	0.11	0.13
October	0.68	0.22	0.00	0.29	0.00	0.05	
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	37.03	3.95	32.08	5.27	30.76		

(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: 7/21/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

Crop: **Apples, mature w/o cover**

Location: **Alamogordo**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

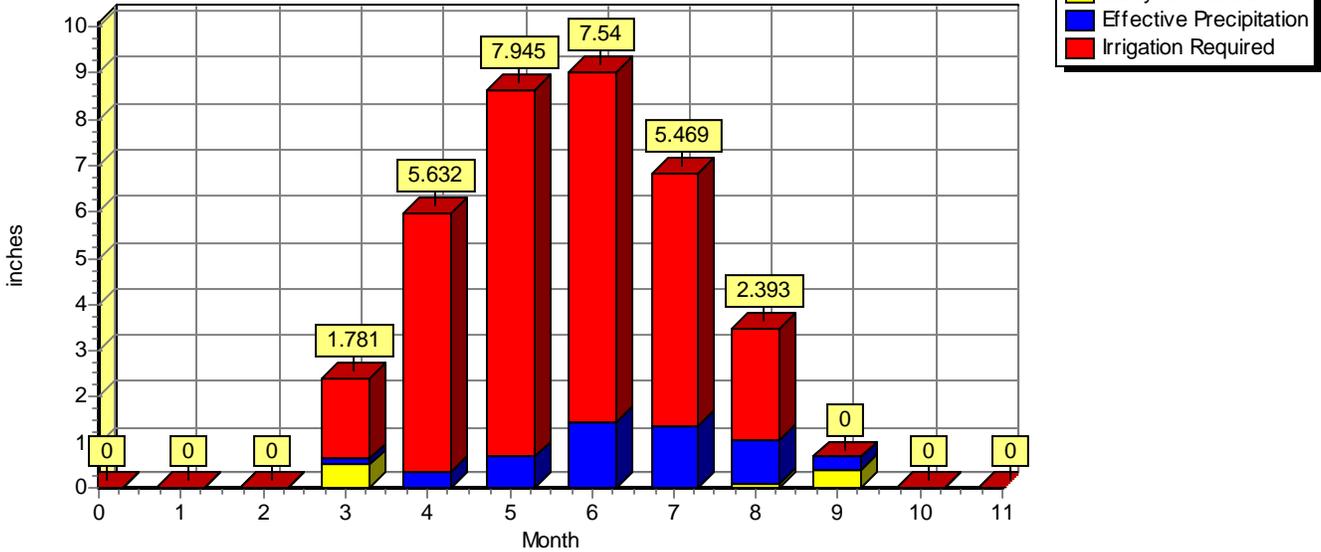
Begin Growth: **4/1** End Growth: **10/15**

Net irrigation application: **1** inches

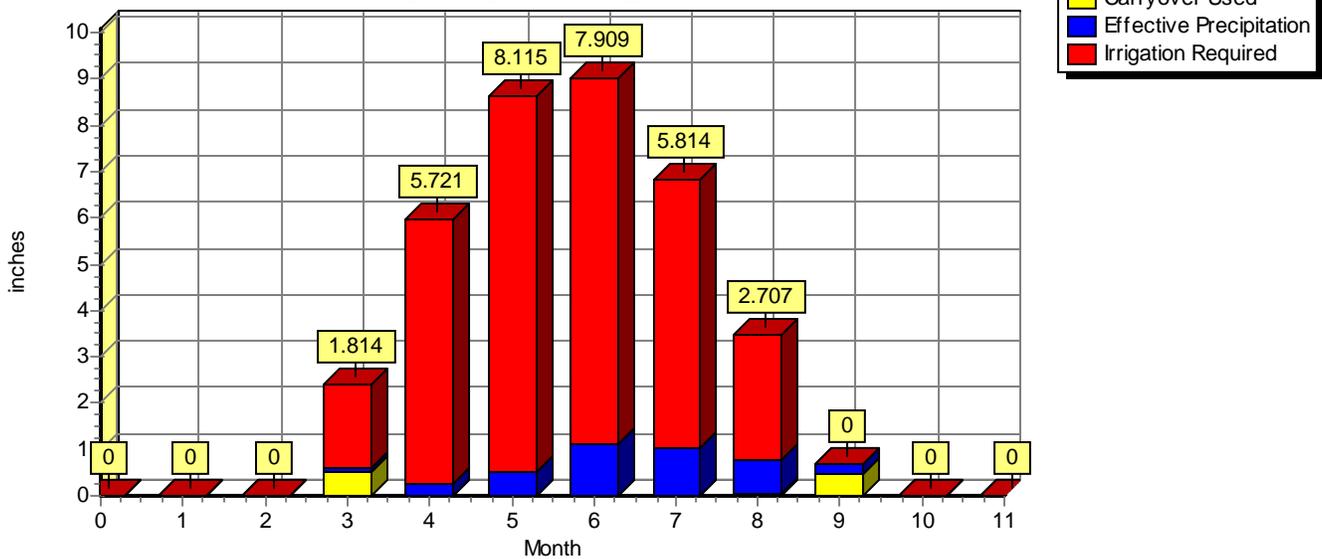
Estimated carryover moisture used at season:

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: Alamogordo	Crop: Chile, green
Location: Alamogordo	County: Otero, NM
By: Rhett	Date: 01/25/05
Weather Station: ALAMOGORDO	Sta No: NM0199
Latitude: 3253 Longitude: 10557	Elevation: 4350 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: 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	1.56	0.09	0.97	0.12	0.94	0.05	
May	4.77	0.25	4.53	0.33	4.44	0.15	0.18
June	7.34	0.48	6.86	0.63	6.71	0.24	0.28
July	7.46	1.01	6.45	1.35	6.11	0.24	0.27
August	4.53	0.88	3.15	1.18	2.85	0.15	
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	25.67	2.71	21.95	3.62	21.05		

(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: 7/21/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

Crop: **Chile, green**

Location: **Alamogordo**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

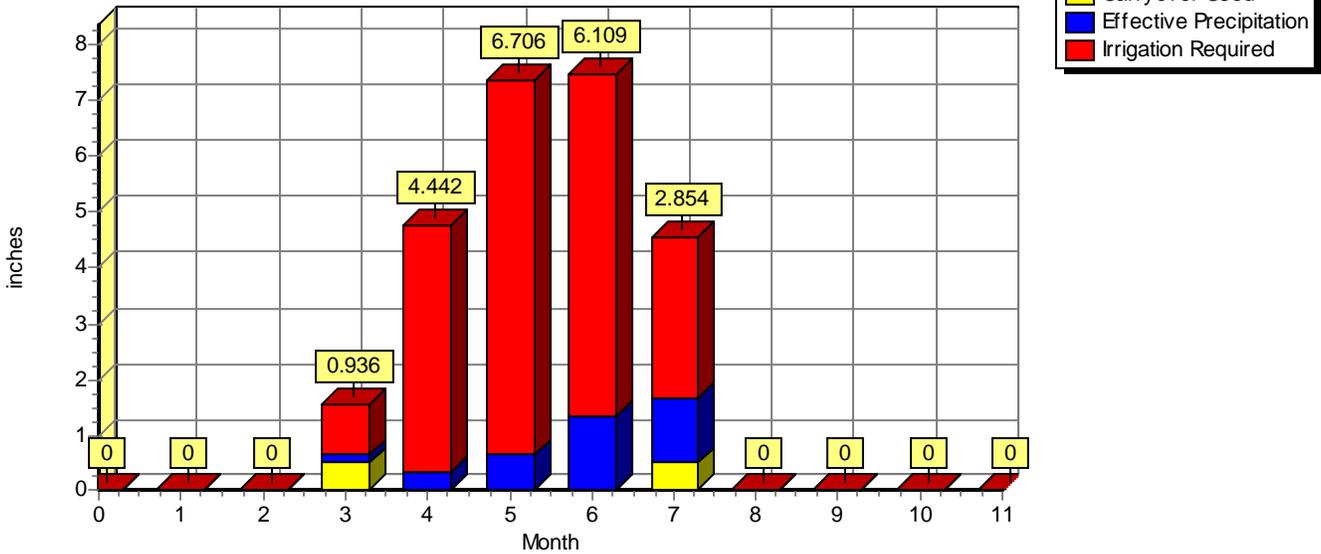
Begin Growth: **4/1** End Growth: **8/30**

Net irrigation application: **1** inches

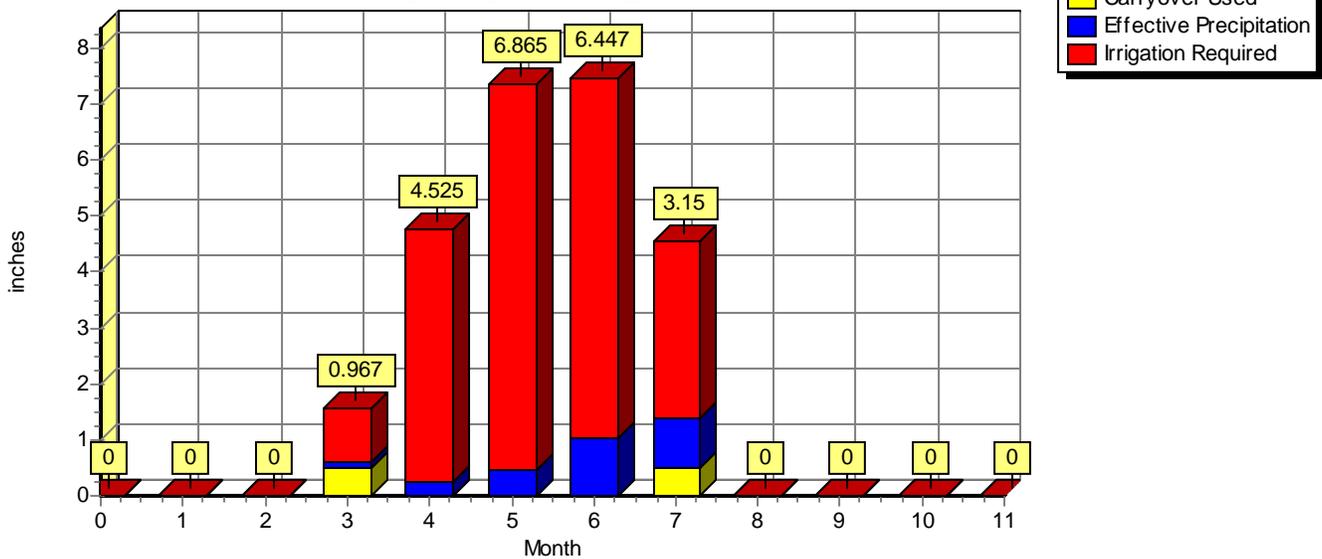
Estimated carryover moisture used at season:

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: **Alamogordo**

Crop: **Grain, spring**

Location: **Alamogordo**

County: **Otero, NM**

By: **Rhett**

Date: **01/25/05**

Weather Station: **ALAMOGORDO**

Sta No: **NM0199**

Latitude: **3253** Longitude: **10557**

Elevation: **4350** 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: **2/1** 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	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.83	0.17	0.16	0.23	0.10	0.03	
March	3.16	0.16	3.00	0.22	2.95	0.10	0.12
April	5.75	0.12	5.63	0.16	5.59	0.19	0.22
May	5.15	0.25	4.84	0.34	4.70	0.17	0.19
June	0.61	0.17	0.00	0.23	0.00	0.04	
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	15.50	0.88	13.63	1.17	13.33		

(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: 7/21/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

Crop: **Grain, spring**

Location: **Alamogordo**

Date: **01/25/05**

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

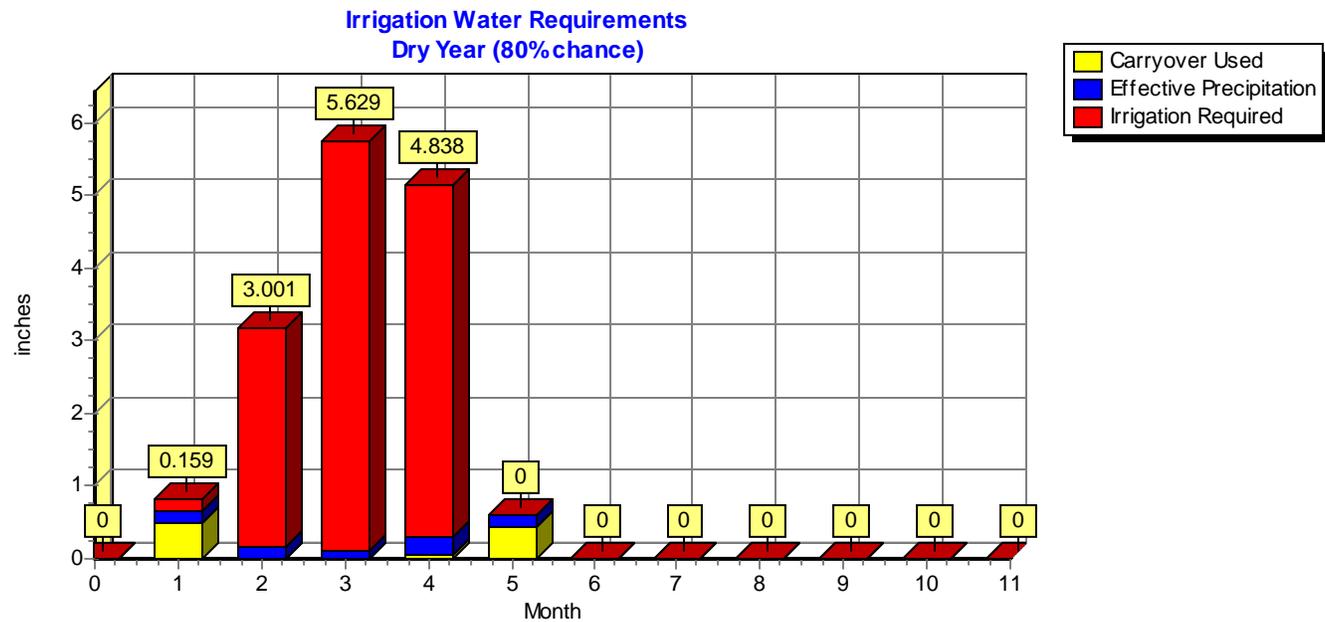
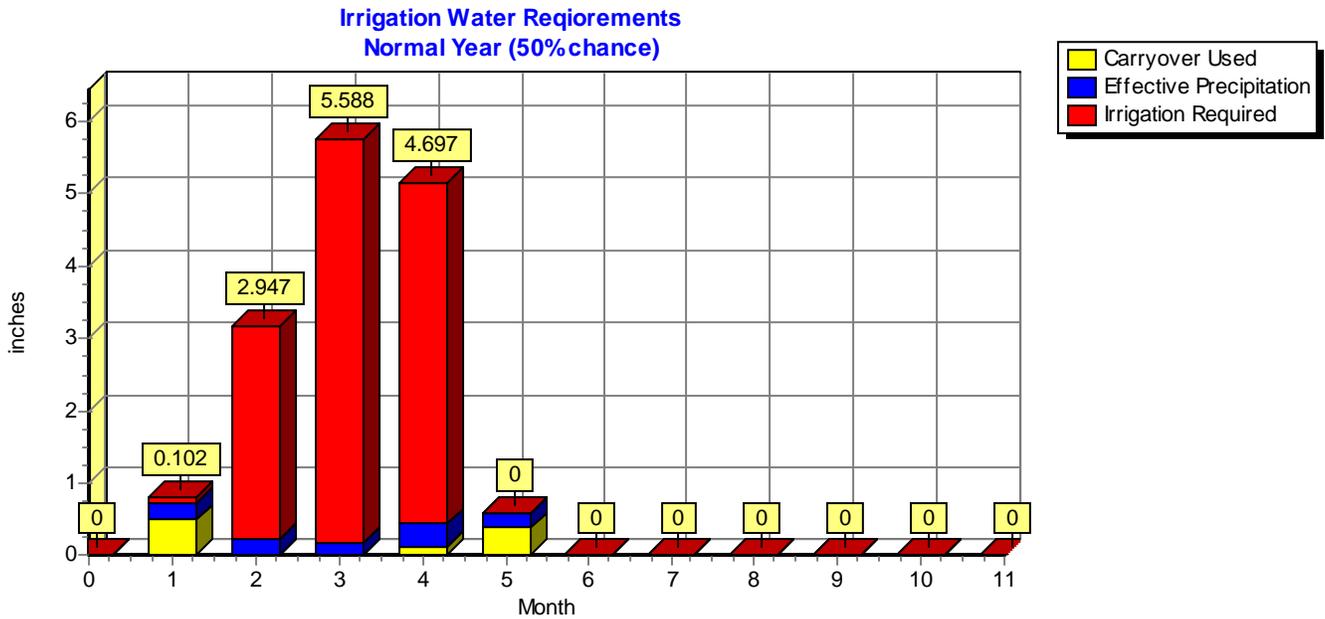
Crop Curve: **Blaney Criddle Annual Crop**

Begin Growth: **2/1** 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

Crop Data Summary

Job: Alamogordo	Crop: Grapes
Location: Alamogordo	County: Otero, NM
By: Rhett	Date: 01/25/05
Weather Station: ALAMOGORDO	Sta No: NM0199
Latitude: 3253 Longitude: 10557	Elevation: 4350 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: 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	1.95	0.09	1.36	0.13	1.33	0.07	
May	4.93	0.25	4.68	0.33	4.59	0.16	0.18
June	7.20	0.47	6.73	0.63	6.57	0.24	0.27
July	7.39	0.99	5.90	1.32	5.57	0.25	
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	21.48	1.81	18.67	2.41	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: 7/21/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

Crop: **Grapes**

Location: **Alamogordo**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

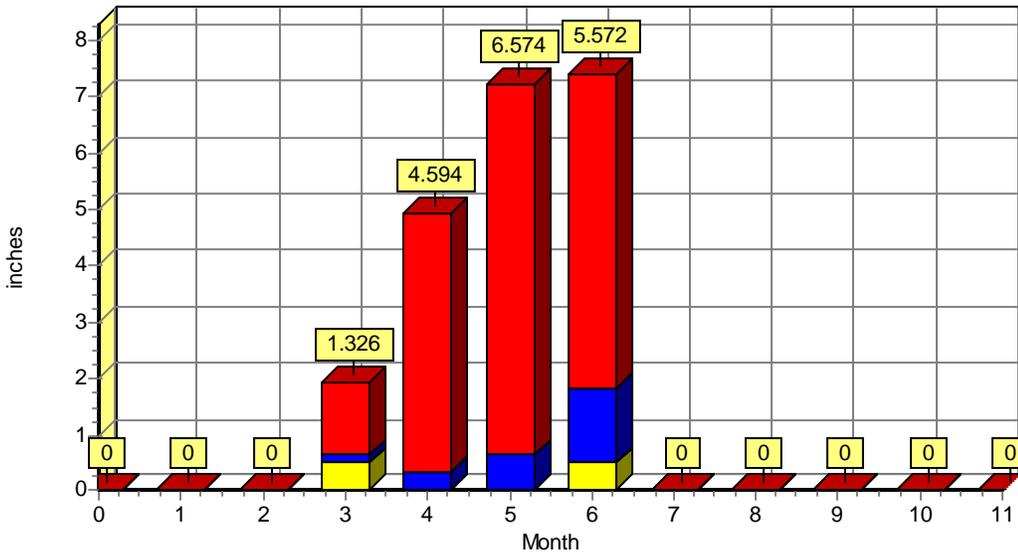
Begin Growth: **4/1** End Growth: **7/30**

Net irrigation application: **1** inches

Estimated carryover moisture used at season:

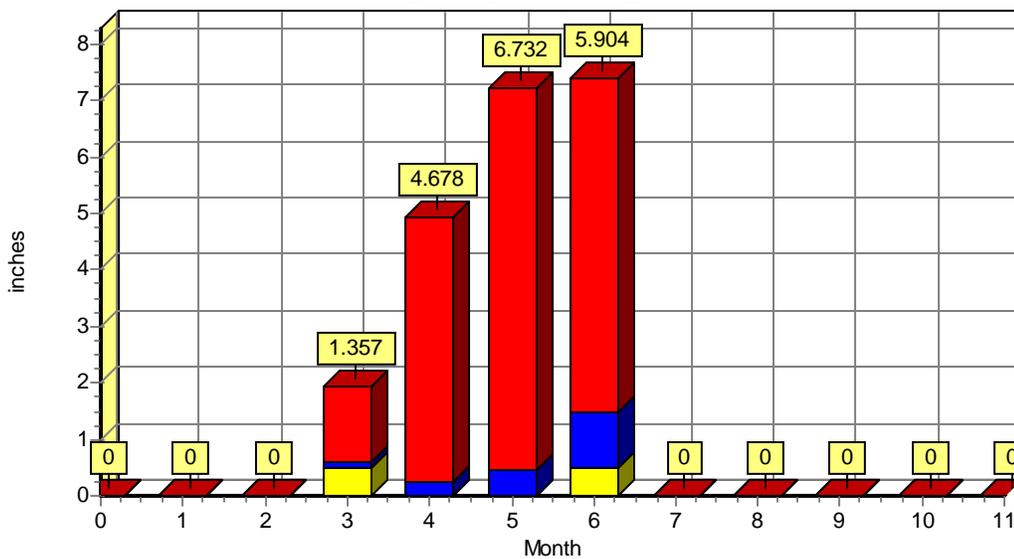
Begin: **0.5** inches End: **0.5** inches

Irrigation Water Requirements
Normal Year (50% chance)



■ 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: Alamogordo	Crop: Pasture, warm season grass
Location: Alamogordo	County: Otero, NM
By: Rhett	Date: 01/25/05
Weather Station: ALAMOGORDO	Sta No: NM0199
Latitude: 3253 Longitude: 10557	Elevation: 4350 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: 3/1 End Growth: 11/15	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	1.85	0.15	1.20	0.20	1.16	0.06	
April	3.86	0.11	3.76	0.15	3.72	0.13	0.15
May	6.23	0.27	5.96	0.36	5.87	0.20	0.23
June	8.31	0.50	7.81	0.67	7.64	0.28	0.32
July	8.78	1.09	7.69	1.46	7.33	0.28	0.32
August	7.65	1.08	6.58	1.44	6.21	0.25	0.28
September	5.53	0.81	4.72	1.08	4.45	0.18	0.20
October	3.38	0.50	2.89	0.66	2.72	0.11	0.12
November	0.81	0.13	0.18	0.18	0.13	0.05	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	46.42	4.64	40.79	6.19	39.24		

(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: 7/21/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

Crop: **Pasture, warm season grass**

Location: **Alamogordo**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

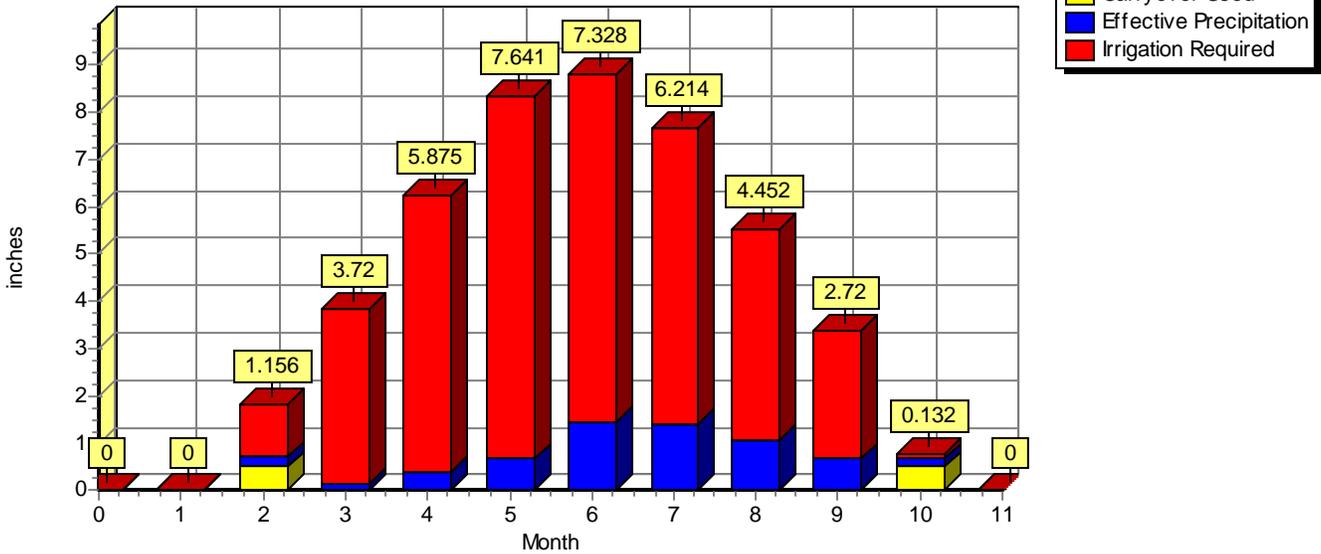
Begin Growth: **3/1** End Growth: **11/15**

Net irrigation application: **1** inches

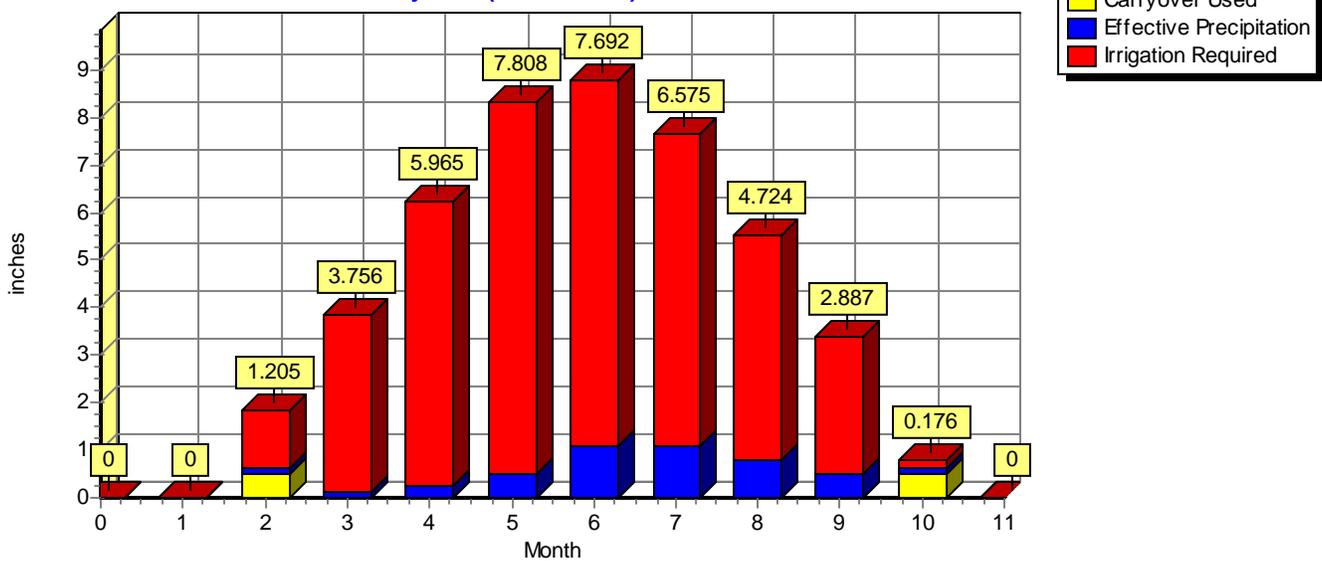
Estimated carryover moisture used at season:

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: Alamogordo	Crop: Pecan, > 10 yrs, no cover
Location: Alamogordo	County: Otero, NM
By: Rhett	Date: 01/25/05
Weather Station: ALAMOGORDO	Sta No: NM0199
Latitude: 3253 Longitude: 10557	Elevation: 4350 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: 3/1 End Growth: 11/15	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	0.61	0.14	0.00	0.18	0.00	0.02	
April	2.00	0.10	1.87	0.13	1.79	0.07	0.08
May	4.80	0.25	4.55	0.33	4.47	0.15	0.18
June	8.23	0.50	7.73	0.67	7.56	0.27	0.31
July	9.28	1.12	8.16	1.50	7.78	0.30	0.34
August	7.40	1.06	6.34	1.42	5.98	0.24	0.27
September	4.43	0.76	3.66	1.02	3.41	0.14	0.16
October	2.13	0.46	1.46	0.62	1.26	0.07	0.08
November	0.42	0.13	0.00	0.17	0.00	0.03	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	39.29	4.52	33.77	6.03	32.26		

(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: 7/21/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

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

Location: **Alamogordo**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

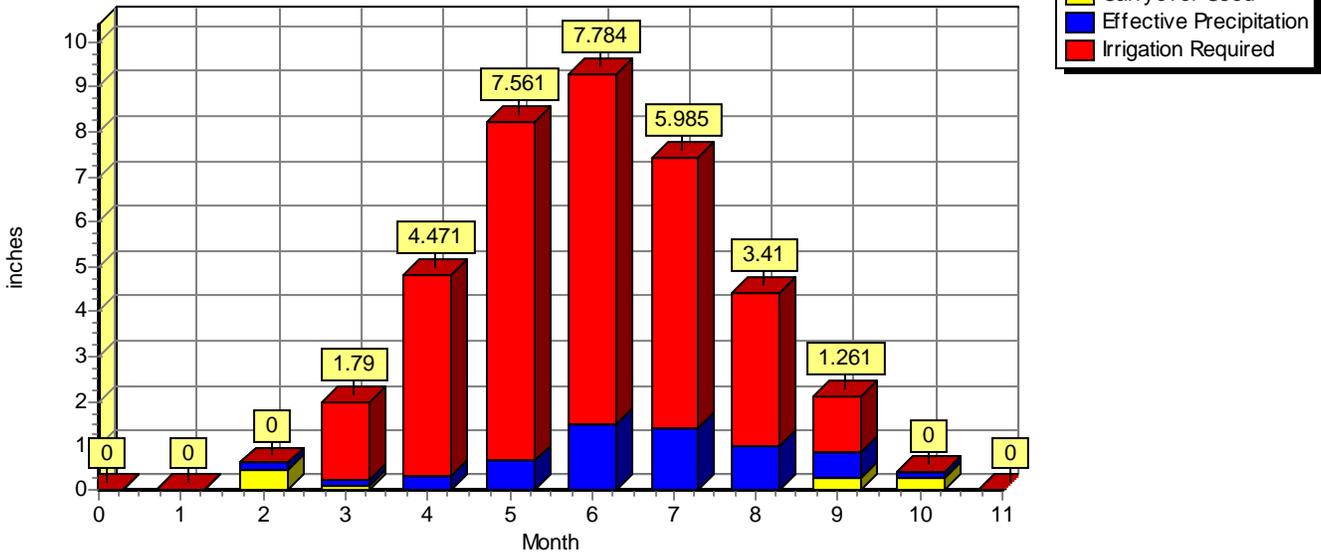
Begin Growth: **3/1** End Growth: **11/15**

Net irrigation application: **1** inches

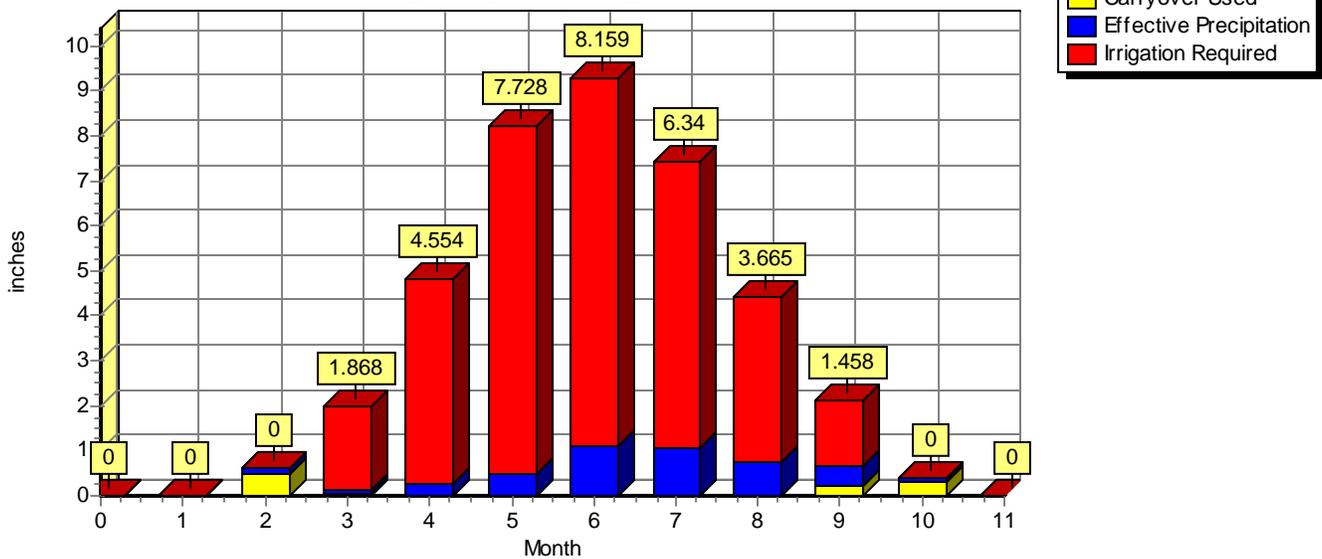
Estimated carryover moisture used at season:

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: Alamogordo	Crop: Pistachios, mature
Location: Alamogordo	County: Otero, NM
By: Rhett	Date: 01/25/05
Weather Station: ALAMOGORDO	Sta No: NM0199
Latitude: 3253 Longitude: 10557	Elevation: 4350 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: 3/1 End Growth: 11/15	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	0.61	0.14	0.00	0.18	0.00	0.02	
April	2.00	0.10	1.87	0.13	1.79	0.07	0.08
May	4.80	0.25	4.55	0.33	4.47	0.15	0.18
June	8.23	0.50	7.73	0.67	7.56	0.27	0.31
July	9.28	1.12	8.16	1.50	7.78	0.30	0.34
August	7.40	1.06	6.34	1.42	5.98	0.24	0.27
September	4.43	0.76	3.66	1.02	3.41	0.14	0.16
October	2.13	0.46	1.46	0.62	1.26	0.07	0.08
November	0.42	0.13	0.00	0.17	0.00	0.03	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	39.29	4.52	33.77	6.03	32.26		

(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: 7/21/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

Crop: **Pistachios, mature**

Location: **Alamogordo**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

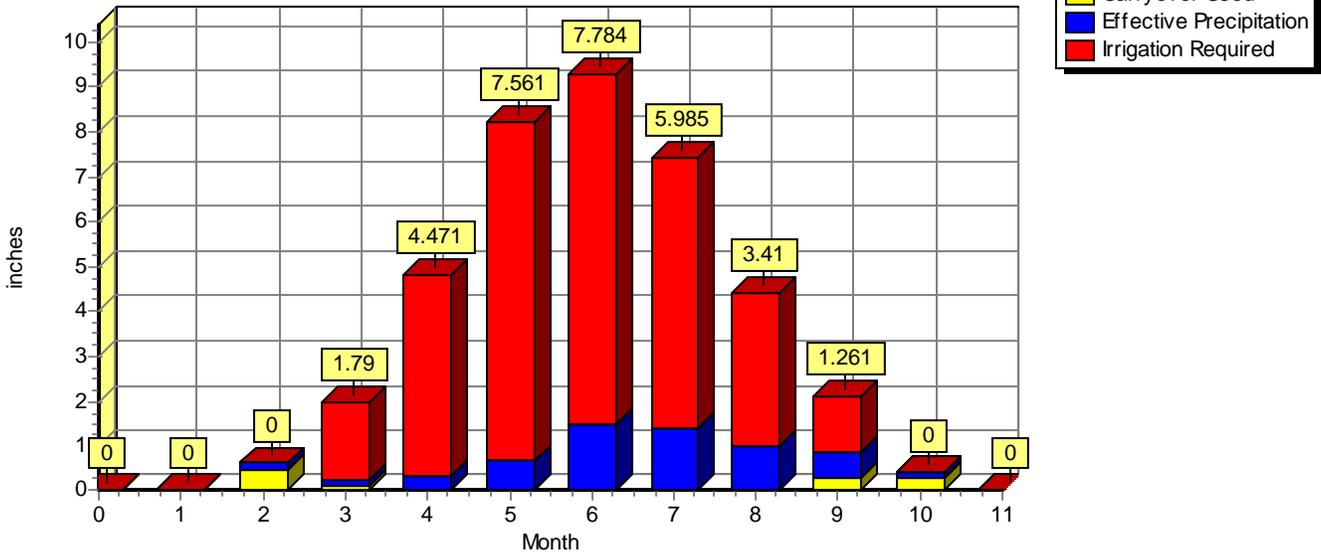
Begin Growth: **3/1** End Growth: **11/15**

Net irrigation application: **1** inches

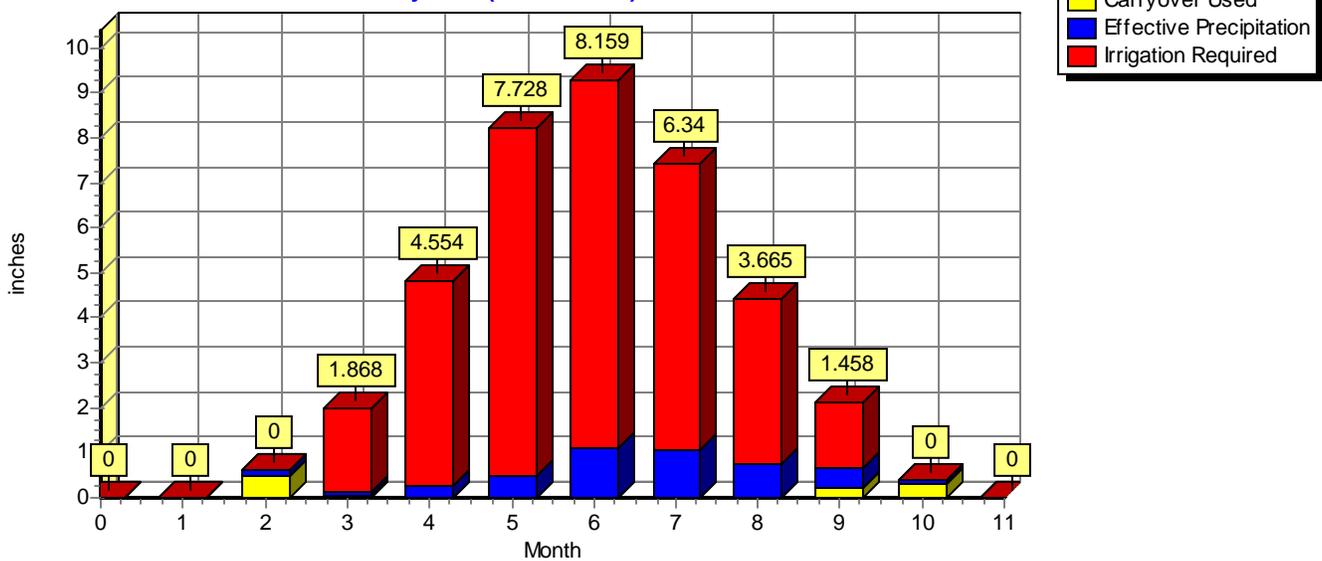
Estimated carryover moisture used at season:

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: Alamogordo	Crop: Raspberries-Blackberries
Location: Alamogordo	County: Otero, NM
By: Rhett	Date: 01/25/05
Weather Station: ALAMOGORDO	Sta No: NM0199
Latitude: 3253 Longitude: 10557	Elevation: 4350 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: 3/15 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	0.64	0.08	0.06	0.10	0.04	0.04	
April	2.32	0.10	2.22	0.13	2.18	0.08	0.09
May	4.93	0.25	4.68	0.33	4.59	0.16	0.18
June	7.20	0.47	6.73	0.63	6.57	0.24	0.27
July	7.64	1.02	6.61	1.37	6.27	0.25	0.28
August	6.40	1.01	5.39	1.34	5.06	0.21	0.24
September	4.00	0.74	3.26	0.99	3.01	0.13	0.15
October	1.57	0.30	0.77	0.41	0.67	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	34.70	3.97	29.72	5.30	28.39		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

Crop: **Raspberries-Blackberries**

Location: **Alamogordo**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

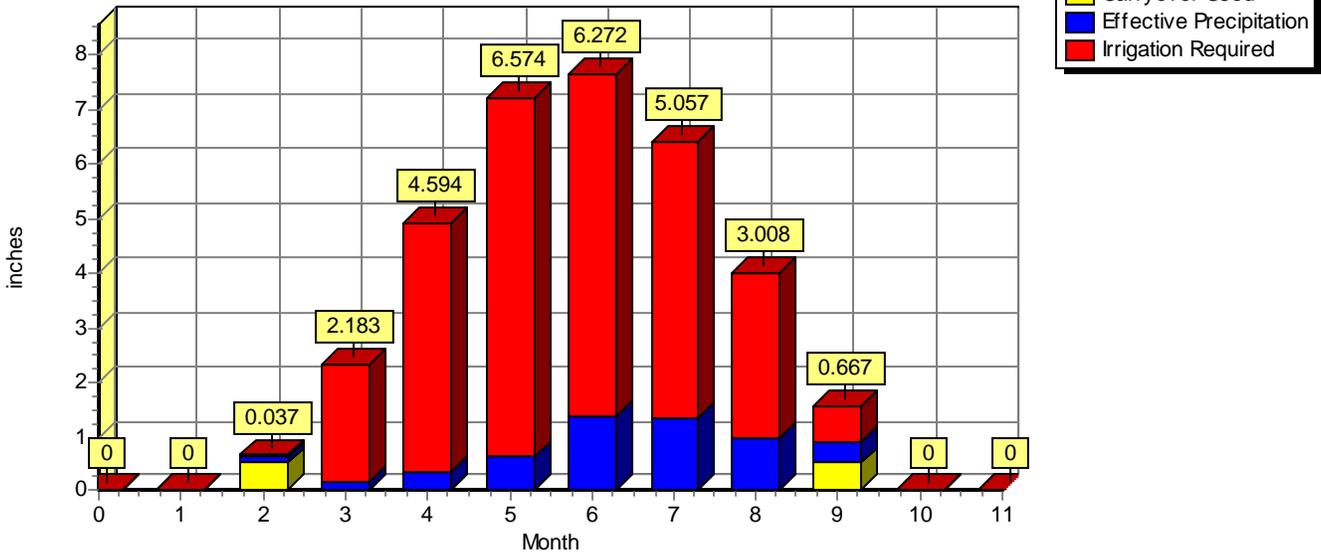
Begin Growth: **3/15** End Growth: **10/20**

Net irrigation application: **1** inches

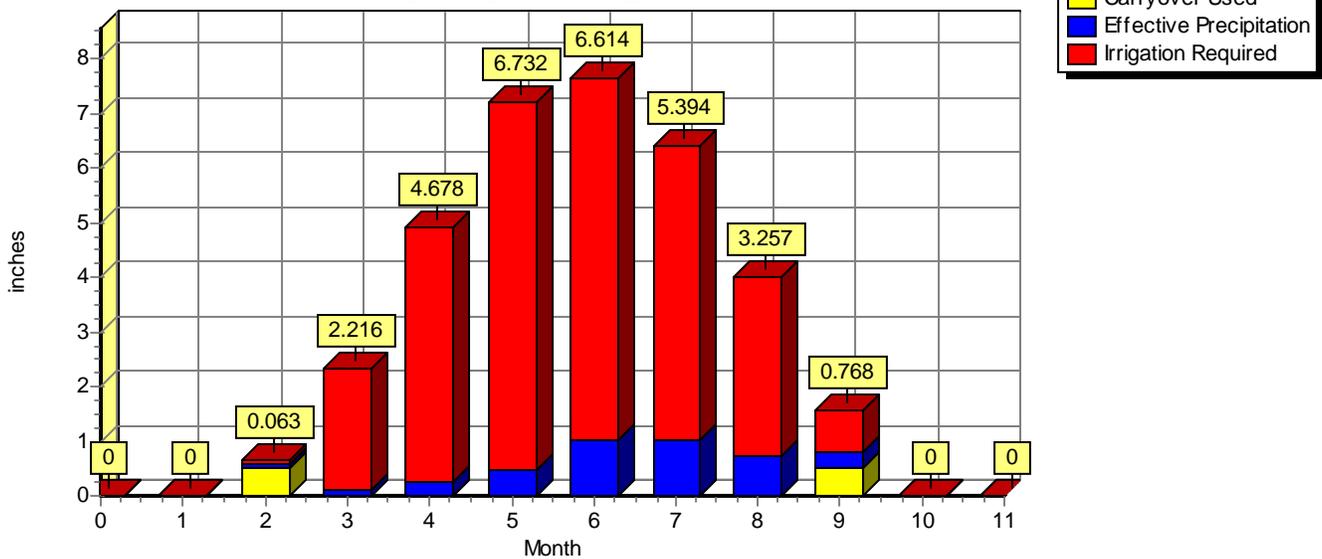
Estimated carryover moisture used at season:

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: Alamogordo	Crop: Sorghum, grain
Location: Alamogordo	County: Otero, NM
By: Rhett	Date: 01/25/05
Weather Station: ALAMOGORDO	Sta No: NM0199
Latitude: 3253 Longitude: 10557	Elevation: 4350 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: 4/20 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	0.63	0.03	0.10	0.04	0.09	0.06	
May	3.76	0.23	3.53	0.31	3.45	0.12	0.14
June	8.61	0.51	8.10	0.68	7.93	0.29	0.33
July	9.77	1.15	8.62	1.54	8.23	0.32	0.36
August	6.62	1.02	5.60	1.36	5.26	0.21	0.24
September	1.87	0.36	1.01	0.48	0.89	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	31.26	3.30	26.95	4.41	25.85		

(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: 7/21/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

Crop: **Sorghum, grain**

Location: **Alamogordo**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

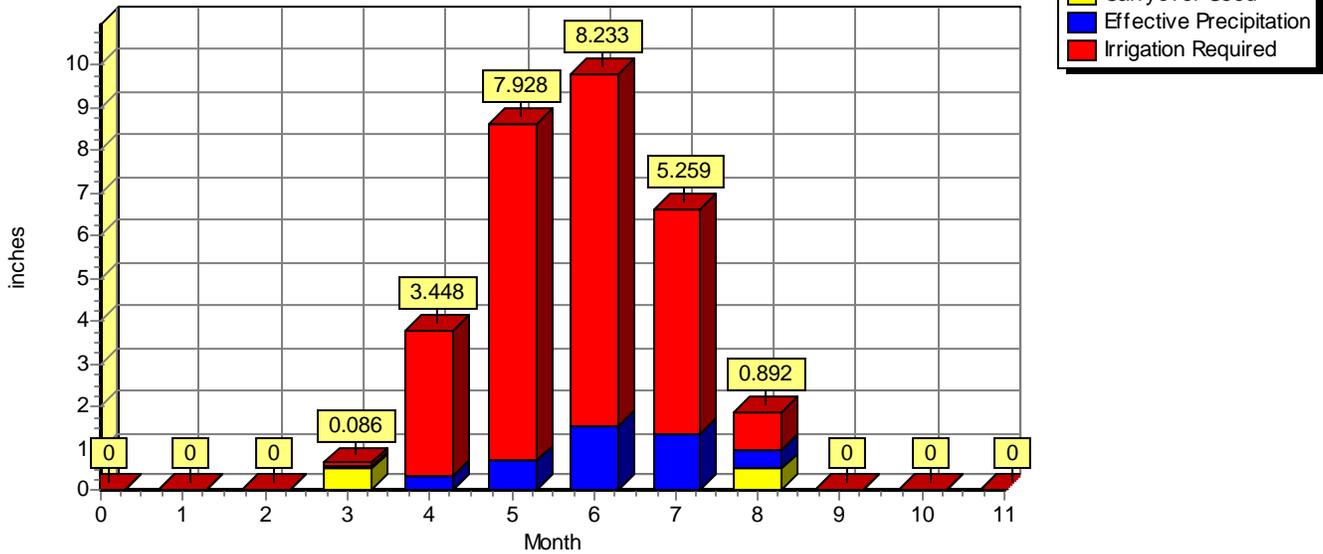
Begin Growth: **4/20** End Growth: **9/15**

Net irrigation application: **1** inches

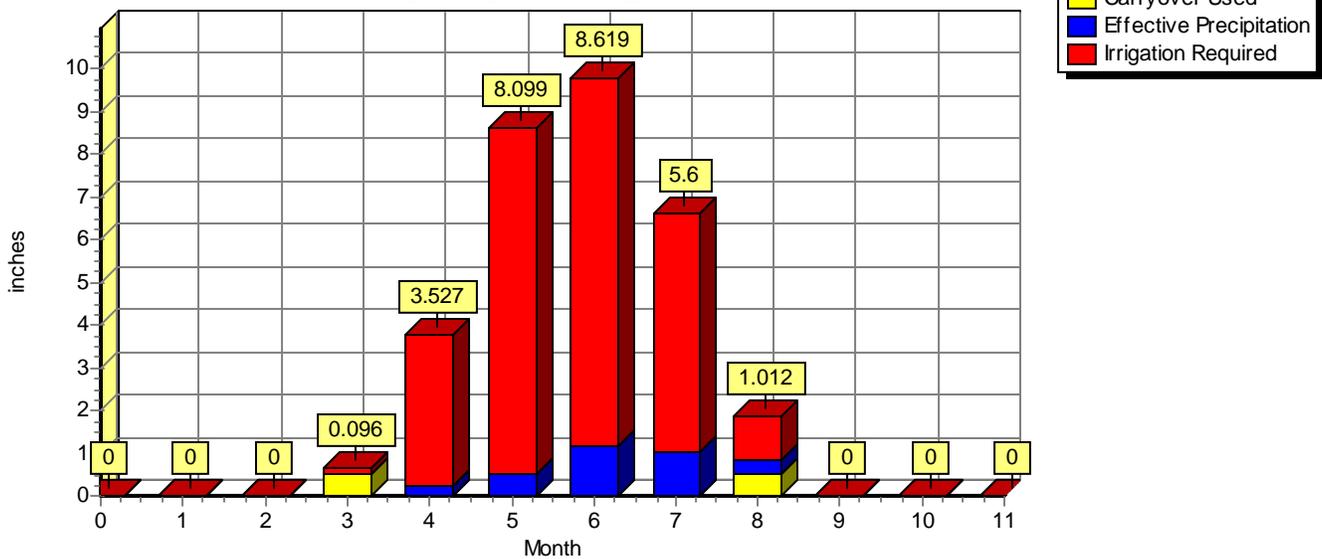
Estimated carryover moisture used at season:

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: Alamogordo	Crop: Wheat, winter, grain
Location: Alamogordo	County: Otero, NM
By: Rhett	Date: 01/25/05
Weather Station: ALAMOGORDO	Sta No: NM0199
Latitude: 3253 Longitude: 10557	Elevation: 4350 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: 9/1 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	1.13	0.27	0.86	0.36	0.77	0.04	0.04
February	1.83	0.19	1.64	0.25	1.58	0.07	0.07
March	3.38	0.16	3.21	0.22	3.16	0.11	0.12
April	5.32	0.12	5.20	0.16	5.16	0.18	0.20
May	8.81	0.31	8.50	0.41	8.39	0.28	0.32
June	6.05	0.31	5.24	0.41	5.14	0.40	
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	2.26	0.65	1.10	0.87	0.88	0.07	
October	1.71	0.45	1.26	0.60	1.11	0.06	0.06
November	1.23	0.26	0.97	0.34	0.88	0.04	0.05
December	1.00	0.34	0.66	0.45	0.55	0.03	0.04
TOTAL	32.71	3.06	28.65	4.08	27.63		

(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: 7/21/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Alamogordo**

Crop: **Wheat, winter, grain**

Location: **Alamogordo**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

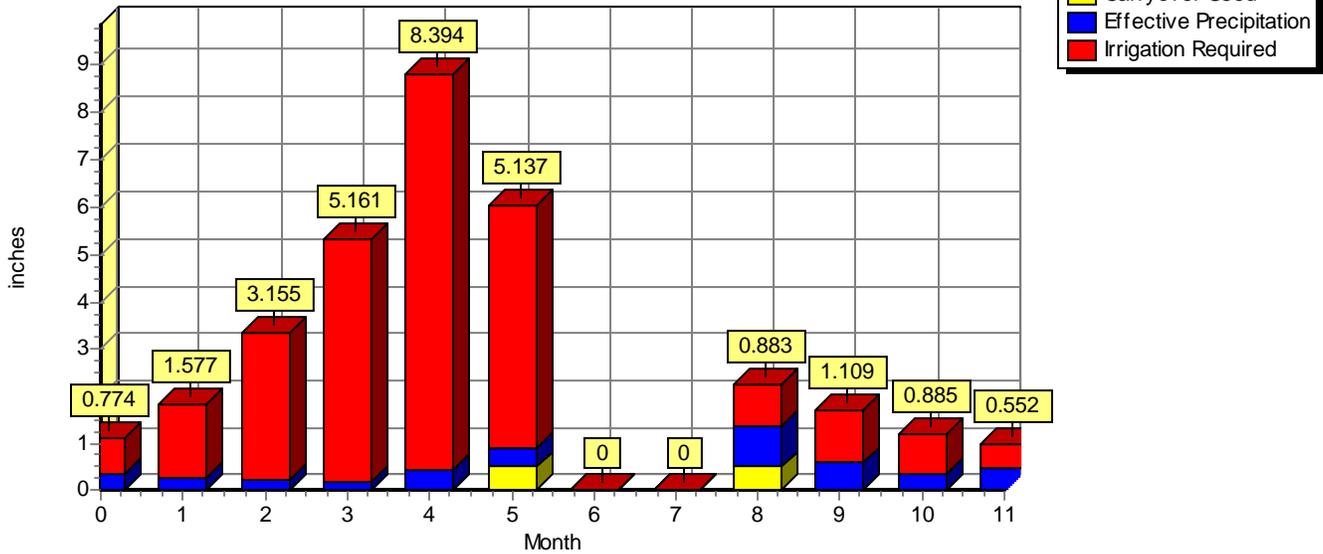
Begin Growth: **9/1** End Growth: **6/15**

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)**

