

Irrigation Water Requirements

Crop Data Summary

Job: Las Vegas	Crop: Alfalfa, hay, northern
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 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	0.80	0.18	0.13	0.23	0.08	0.05	
April	2.56	0.47	2.09	0.60	1.96	0.09	0.09
May	4.73	0.94	3.79	1.21	3.53	0.15	0.17
June	7.10	1.25	5.86	1.60	5.50	0.24	0.26
July	7.96	1.89	6.07	2.43	5.53	0.26	0.28
August	6.55	1.86	4.19	2.39	3.66	0.22	
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	29.71	6.58	22.13	8.45	20.26		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Las Vegas**

Crop: **Alfalfa, hay, northern**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

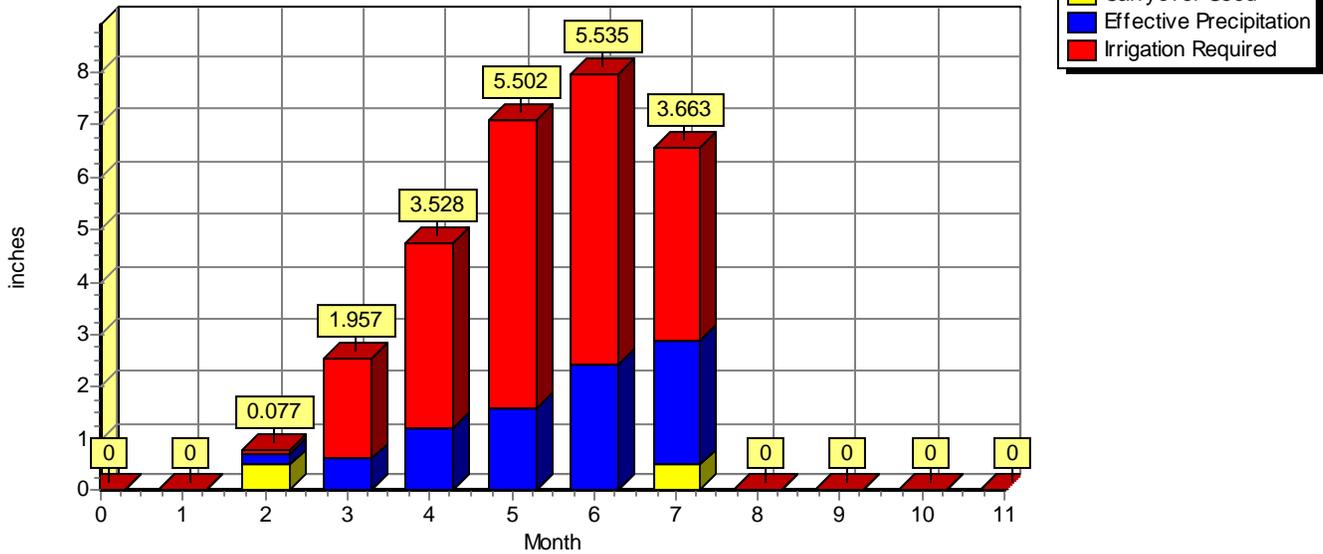
Begin Growth: **3/15** End Growth: **8/30**

Net irrigation application: **2** inches

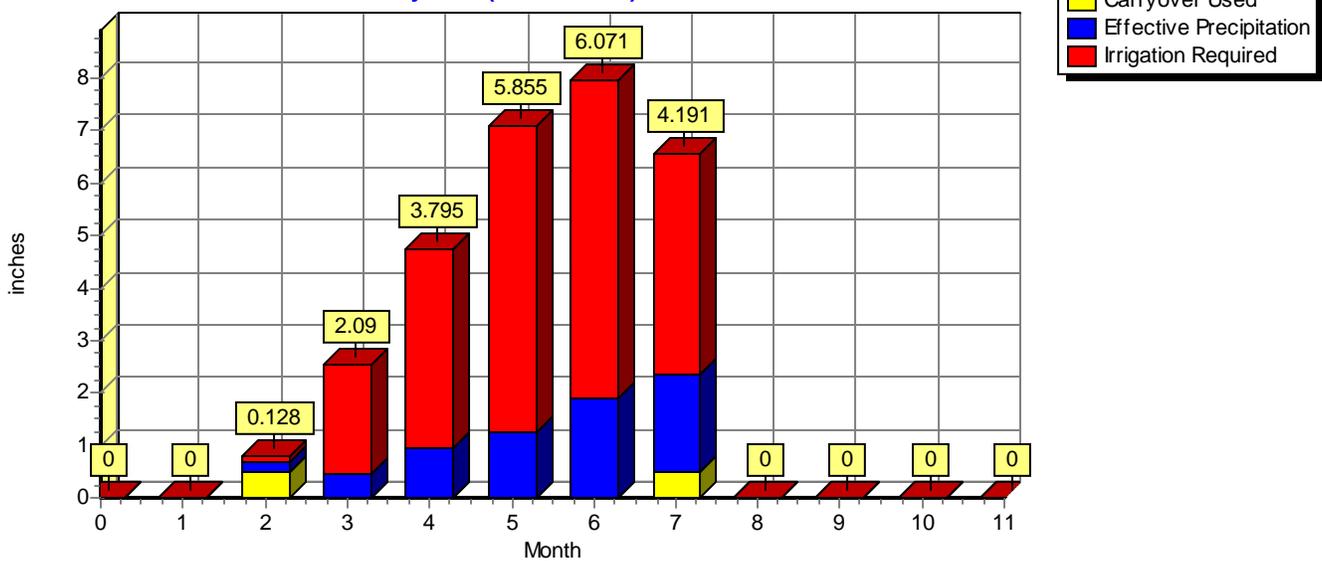
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Beans, green
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 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	0.00	0.00	0.00	0.00	0.00	0.00	
July	4.05	1.47	2.08	1.89	1.66	0.13	
August	5.74	1.82	3.93	2.33	3.41	0.19	0.20
September	4.85	1.05	3.30	1.35	3.00	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	14.65	4.34	9.31	5.57	8.08		

(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: **Las Vegas**

Crop: **Beans, green**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

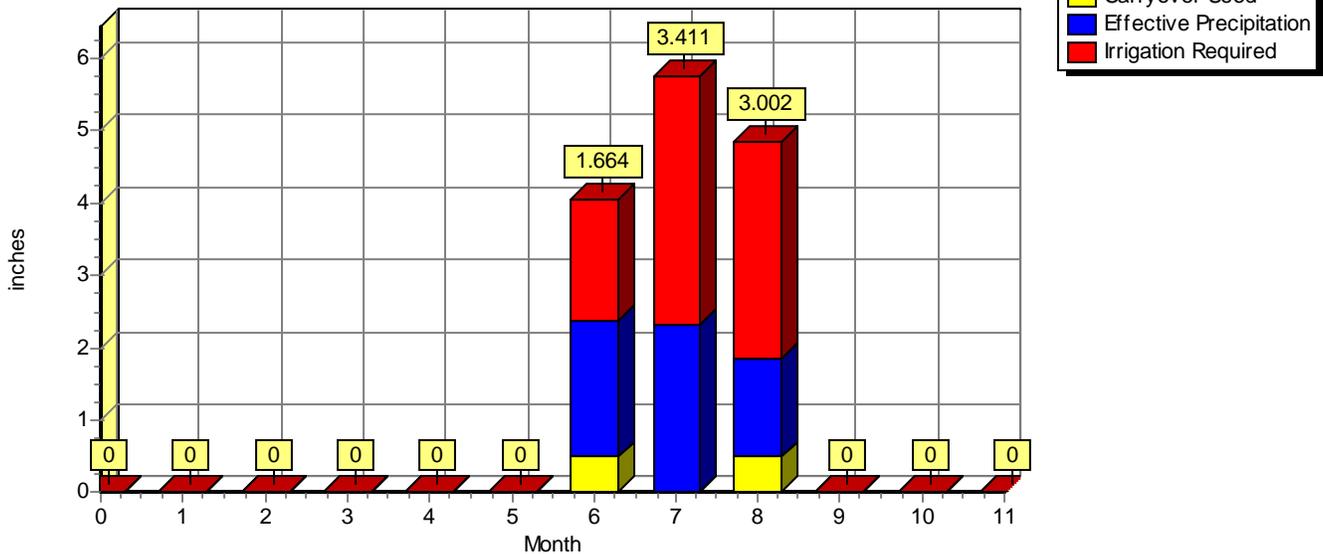
Begin Growth: **7/1** End Growth: **9/30**

Net irrigation application: **2** inches

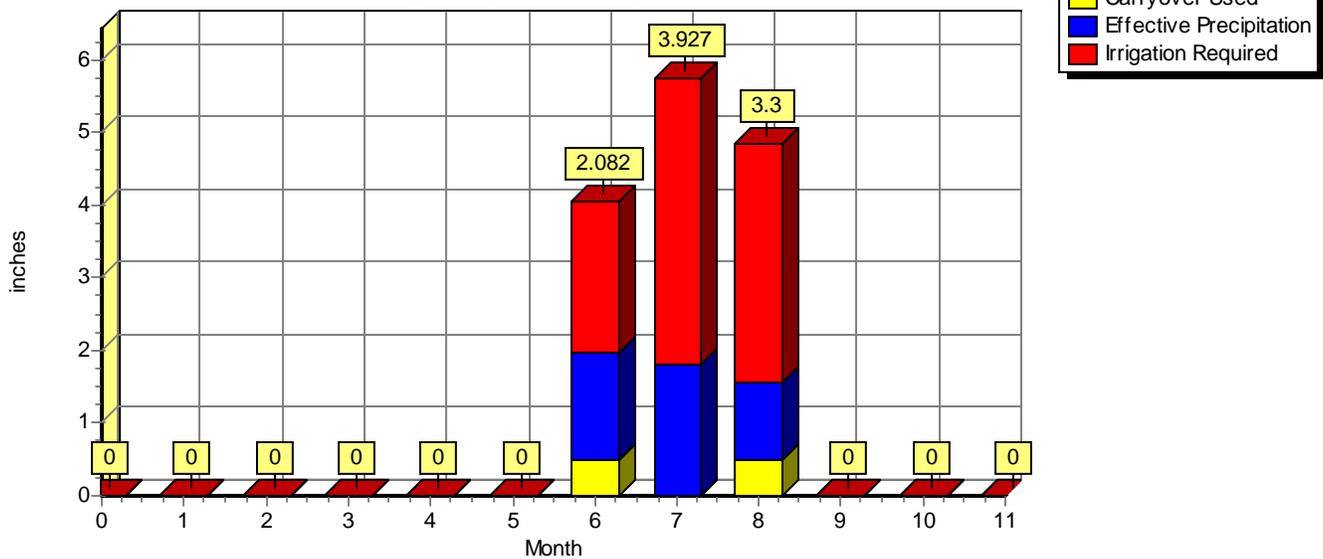
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Beets
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 4/25 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	0.22	0.07	0.00	0.09	0.00	0.04	
May	3.08	0.86	1.88	1.10	1.62	0.10	0.11
June	3.23	0.84	1.89	1.08	1.65	0.13	
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	6.54	1.77	3.77	2.27	3.27		

(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: **Las Vegas**

Crop: **Beets**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

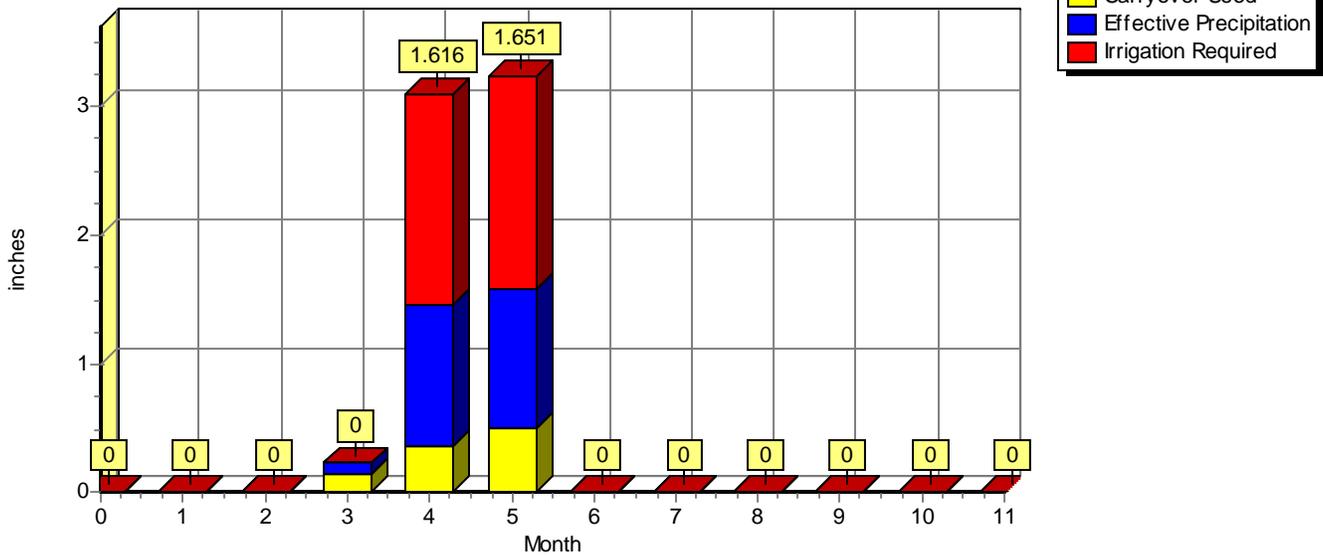
Begin Growth: **4/25** End Growth: **6/24**

Net irrigation application: **2** inches

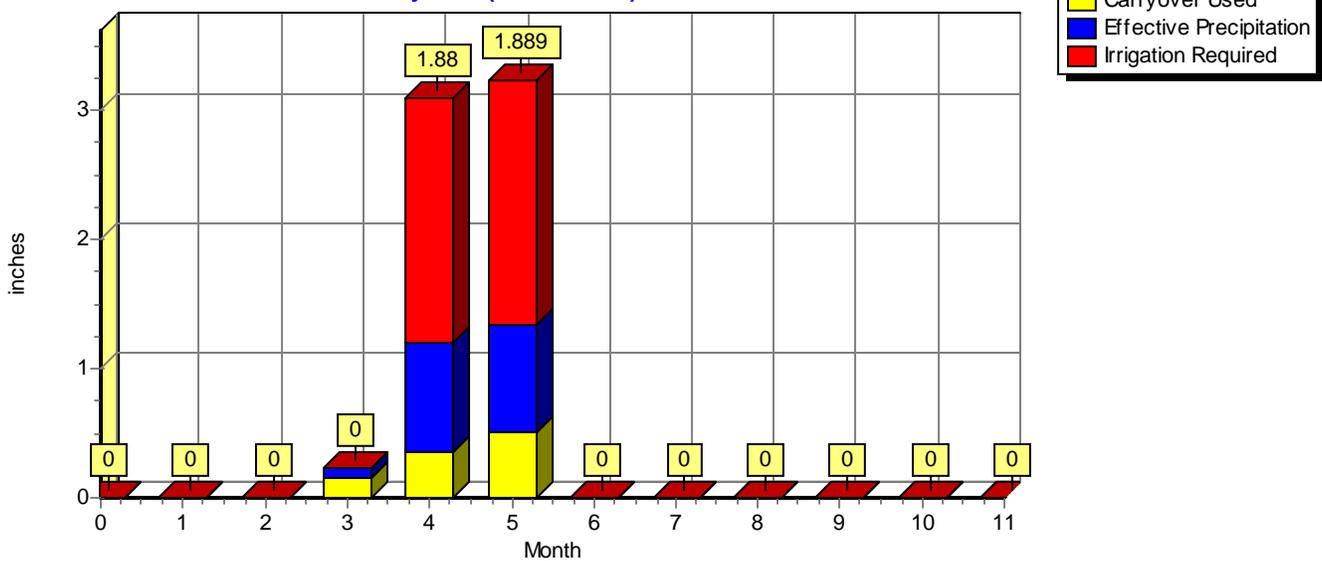
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Cabbage
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 4/25 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	0.20	0.07	0.00	0.09	0.00	0.03	
May	1.94	0.80	0.76	1.03	0.51	0.06	0.07
June	4.34	1.07	3.27	1.37	2.97	0.14	0.16
July	5.80	1.68	4.13	2.15	3.65	0.19	0.20
August	5.15	1.76	3.39	2.26	2.89	0.17	0.18
September	3.04	0.97	1.93	1.25	1.59	0.10	0.11
October	0.61	0.25	0.00	0.32	0.00	0.04	
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	21.08	6.60	13.48	8.47	11.61		

(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: **Las Vegas**

Crop: **Cabbage**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

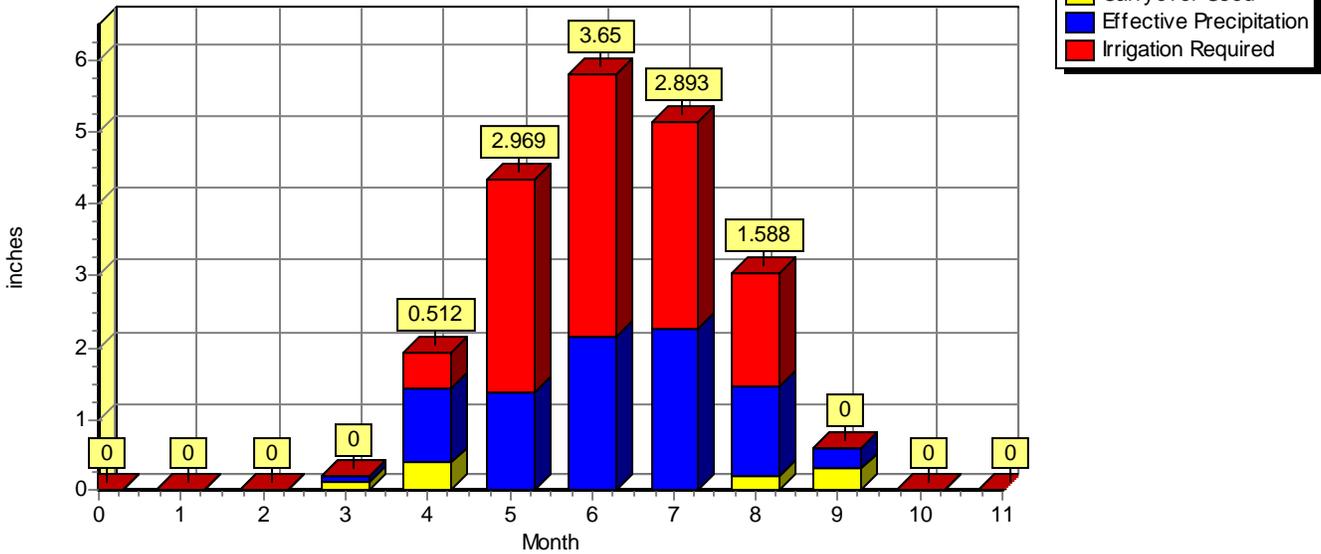
Begin Growth: **4/25** End Growth: **10/15**

Net irrigation application: **2** inches

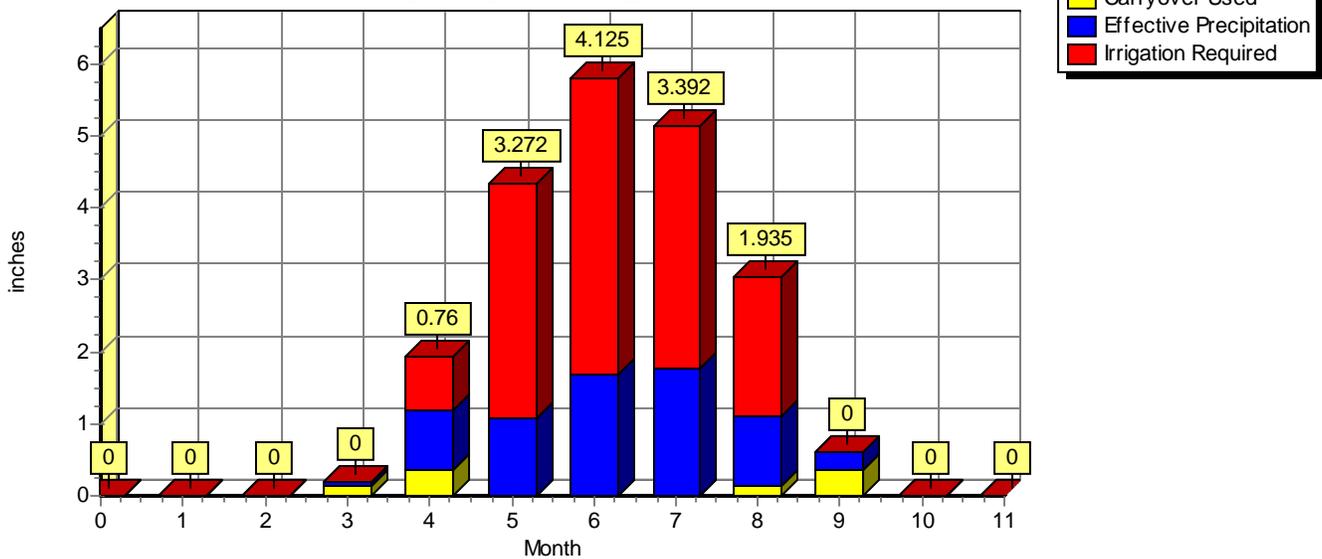
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Carrots
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 6/25 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	0.00	0.00	0.00	0.00	0.00	0.00	
June	0.45	0.16	0.00	0.20	0.00	0.07	
July	4.90	1.59	3.10	2.05	2.60	0.16	0.17
August	4.22	1.63	2.09	2.09	1.63	0.14	
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	9.57	3.38	5.19	4.34	4.23		

(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: **Las Vegas**

Crop: **Carrots**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

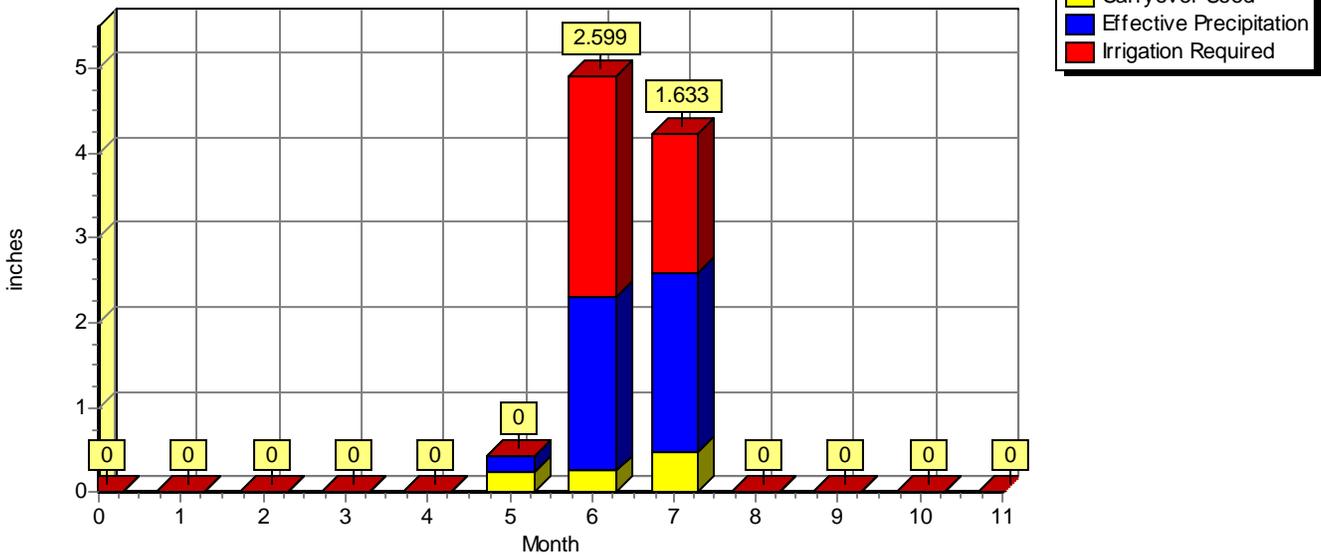
Begin Growth: **6/25** End Growth: **8/30**

Net irrigation application: **2** inches

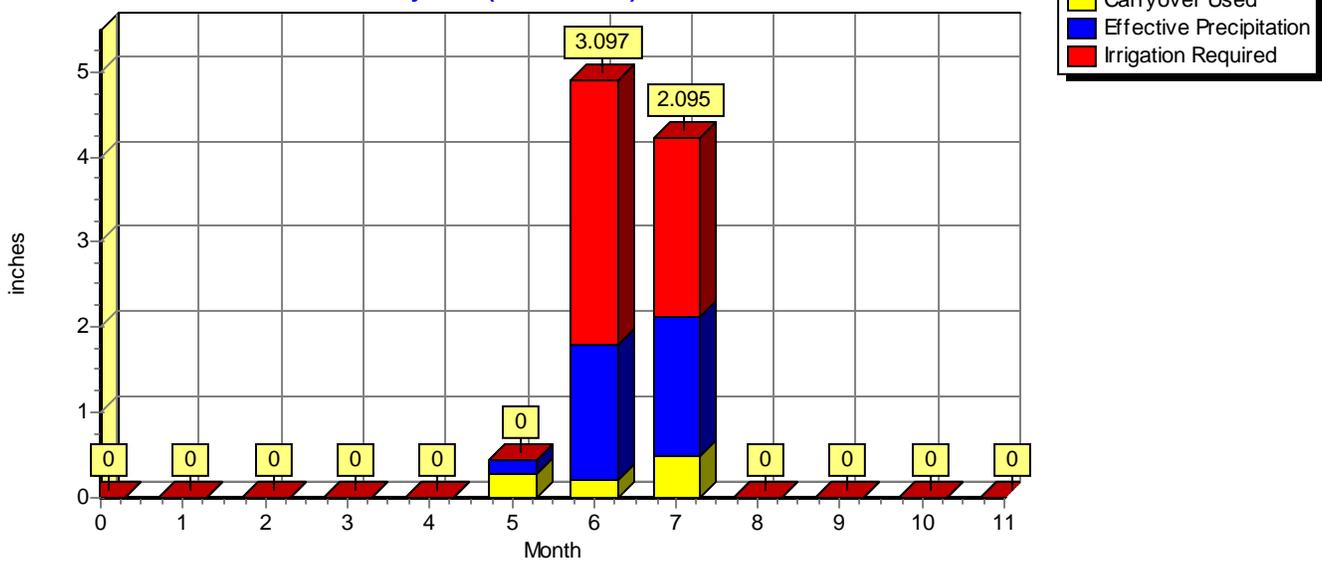
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Chile, green
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 4/25 End Growth: 8/15	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	0.20	0.07	0.00	0.09	0.00	0.03	
May	2.38	0.82	1.19	1.06	0.93	0.08	0.08
June	5.04	1.11	3.93	1.42	3.61	0.17	0.18
July	5.41	1.64	3.77	2.11	3.31	0.17	0.19
August	1.53	0.76	0.27	0.98	0.05	0.10	
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	14.56	4.41	9.15	5.66	7.90		

(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: **Las Vegas**

Crop: **Chile, green**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

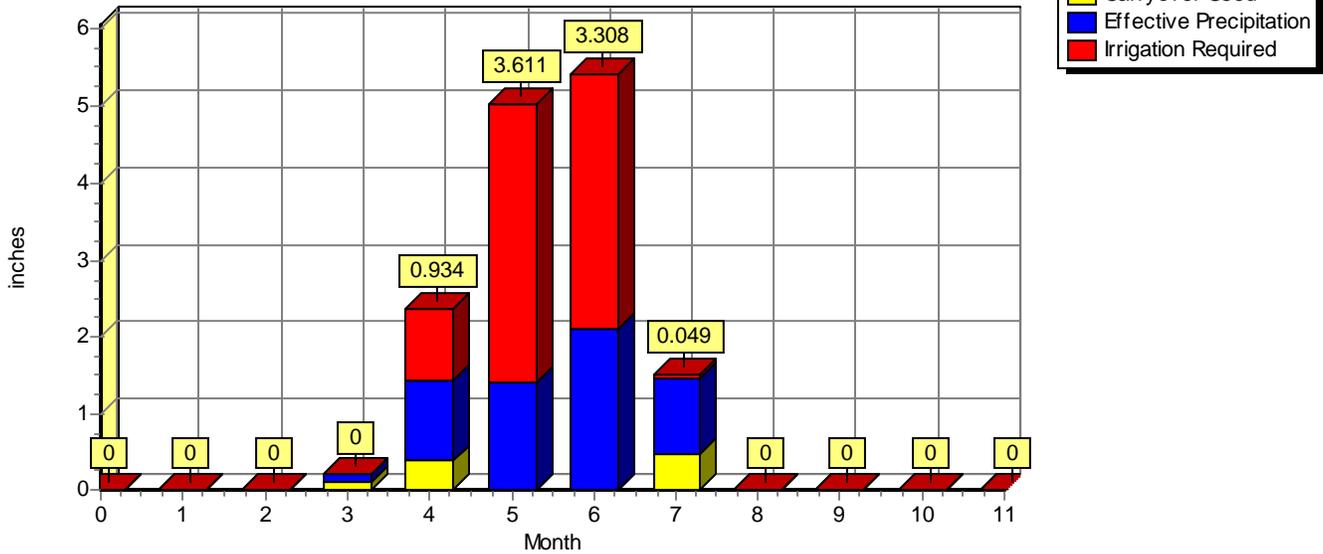
Begin Growth: **4/25** End Growth: **8/15**

Net irrigation application: **2** inches

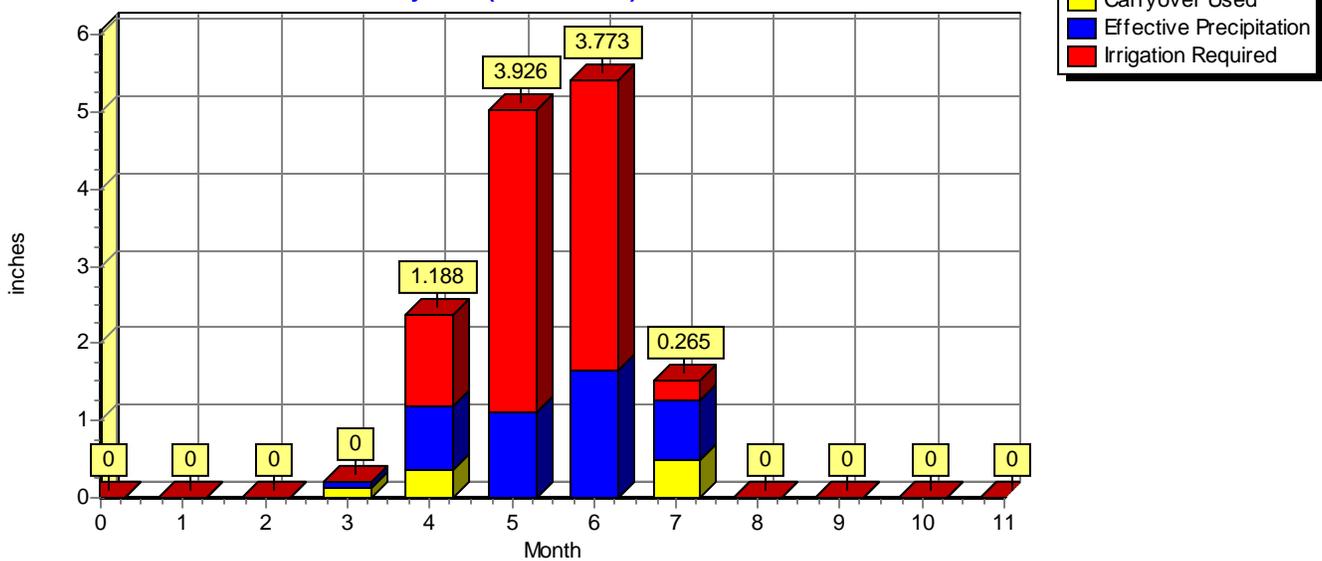
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Corn, blue
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 5/1 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	1.75	0.77	0.48	0.99	0.26	0.06	
June	4.67	1.09	3.58	1.40	3.27	0.16	0.17
July	7.45	1.84	5.61	2.36	5.09	0.24	0.26
August	6.84	1.93	4.91	2.48	4.36	0.22	0.24
September	4.53	1.03	3.00	1.32	2.71	0.15	
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	25.24	6.66	17.58	8.55	15.69		

(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: **Las Vegas**

Crop: **Corn, blue**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

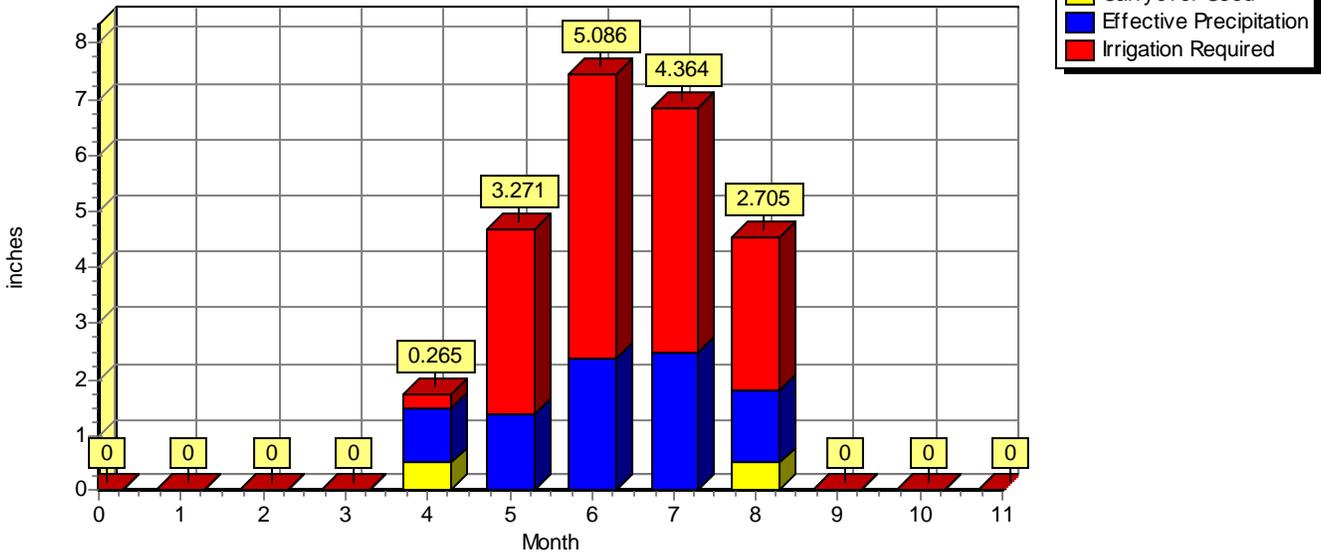
Begin Growth: **5/1** End Growth: **9/30**

Net irrigation application: **2** inches

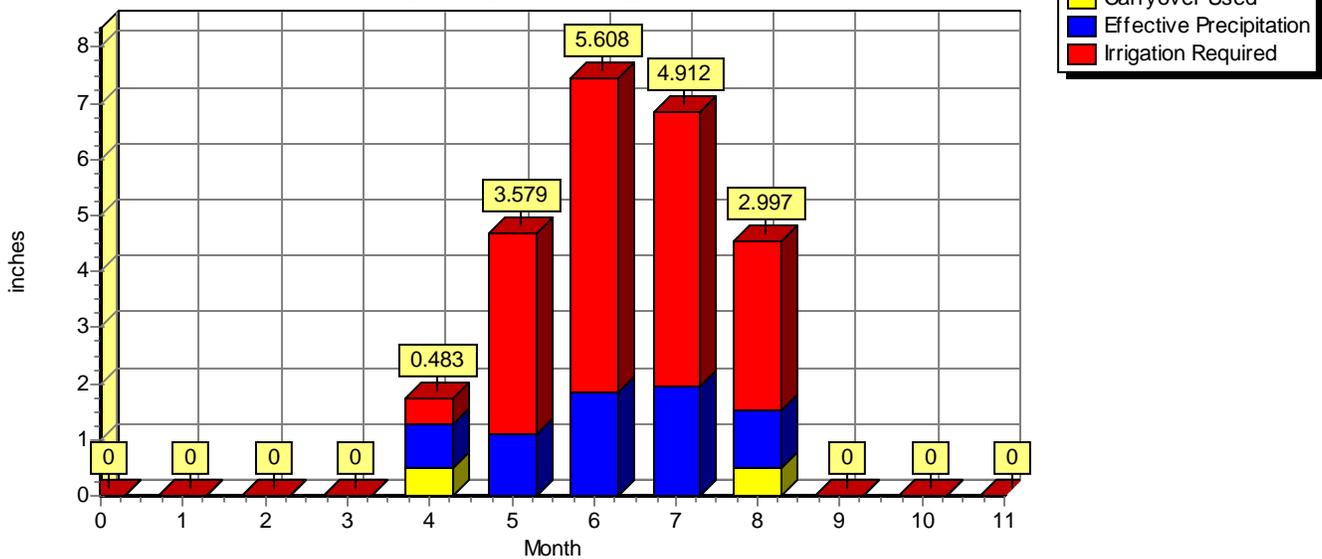
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Corn, sweet
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 5/1 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	0.00	0.00	0.00	0.00	0.00	0.00	
May	1.84	0.77	0.56	0.99	0.34	0.06	
June	5.54	1.14	4.40	1.47	4.08	0.18	0.20
July	7.71	1.87	5.85	2.39	5.32	0.25	0.27
August	6.40	1.85	4.05	2.37	3.53	0.21	
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	21.49	5.63	14.87	7.22	13.27		

(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: **Las Vegas**

Crop: **Corn, sweet**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

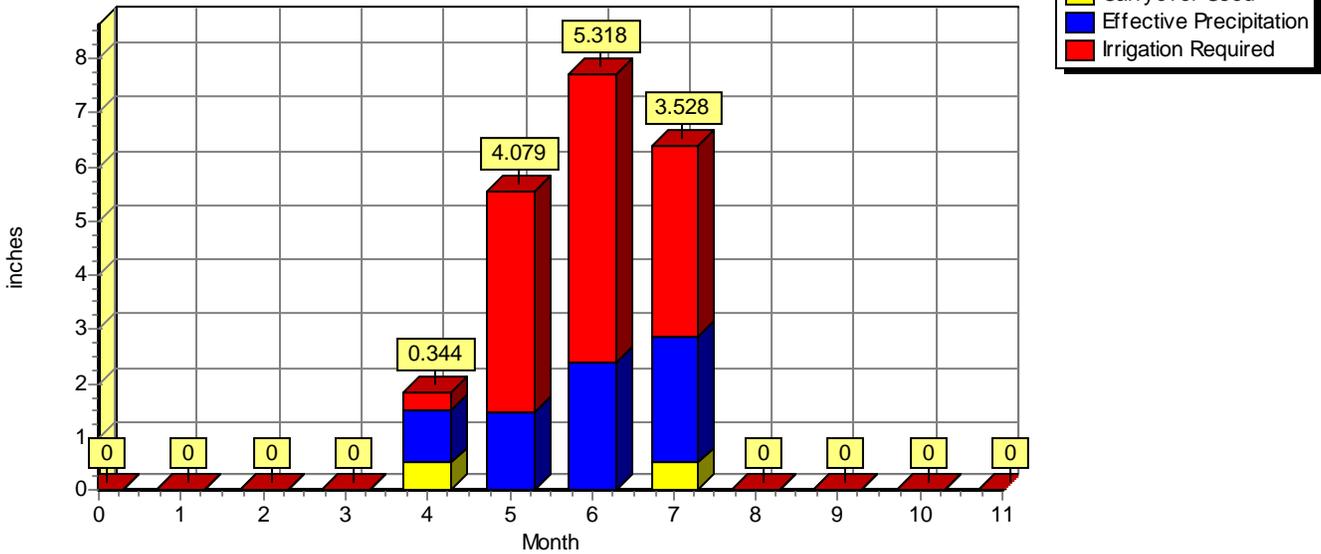
Begin Growth: **5/1** End Growth: **8/30**

Net irrigation application: **2** inches

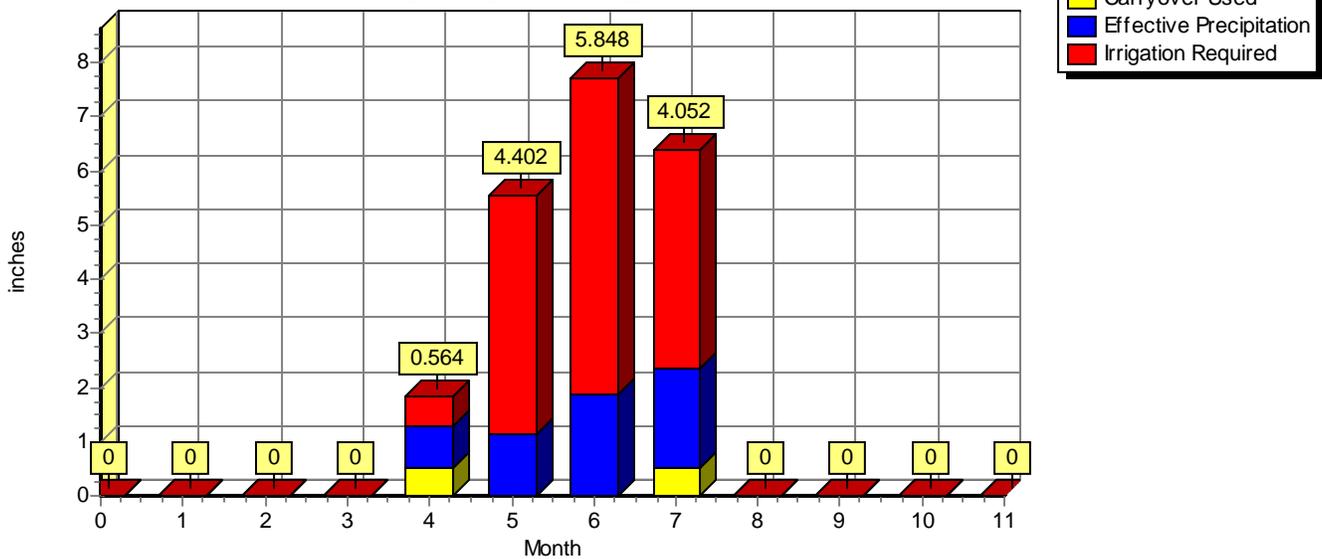
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Cut Flowers
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 4/1 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	0.78	0.41	0.00	0.52	0.00	0.03	
May	2.65	0.84	1.68	1.07	1.32	0.09	0.09
June	4.82	1.10	3.73	1.41	3.41	0.16	0.18
July	5.91	1.69	4.22	2.16	3.74	0.19	0.21
August	5.04	1.75	3.29	2.24	2.80	0.16	0.18
September	2.92	0.97	1.81	1.24	1.47	0.09	0.10
October	0.60	0.25	0.00	0.32	0.00	0.04	
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	22.71	6.99	14.72	8.97	12.74		

(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: **Las Vegas**

Crop: **Cut Flowers**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

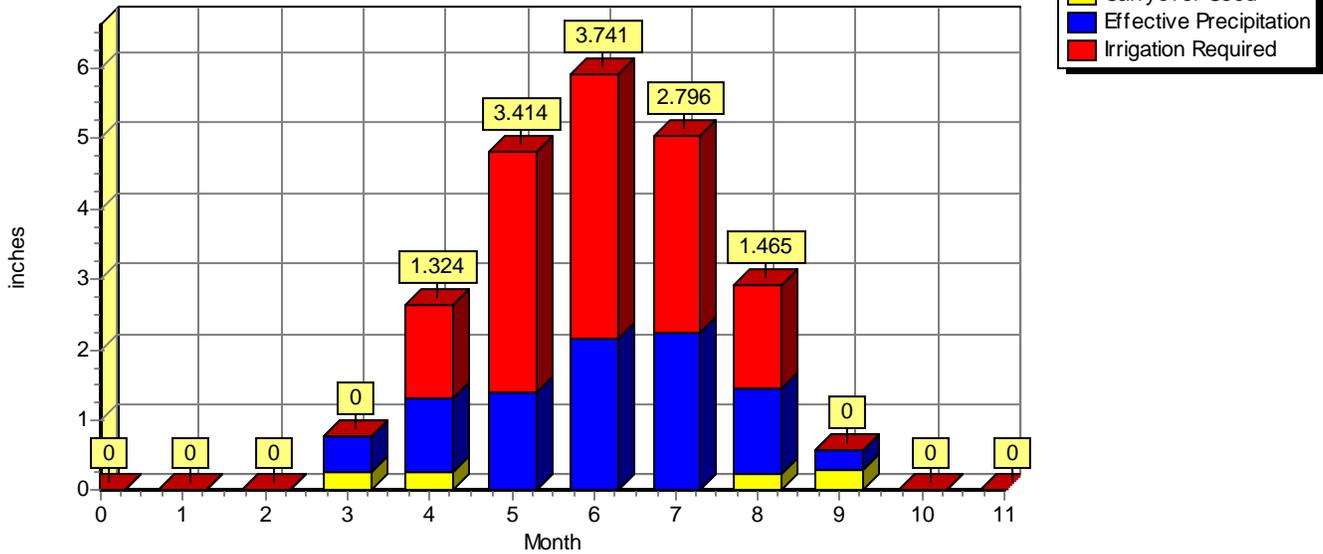
Begin Growth: **4/1** End Growth: **10/15**

Net irrigation application: **2** inches

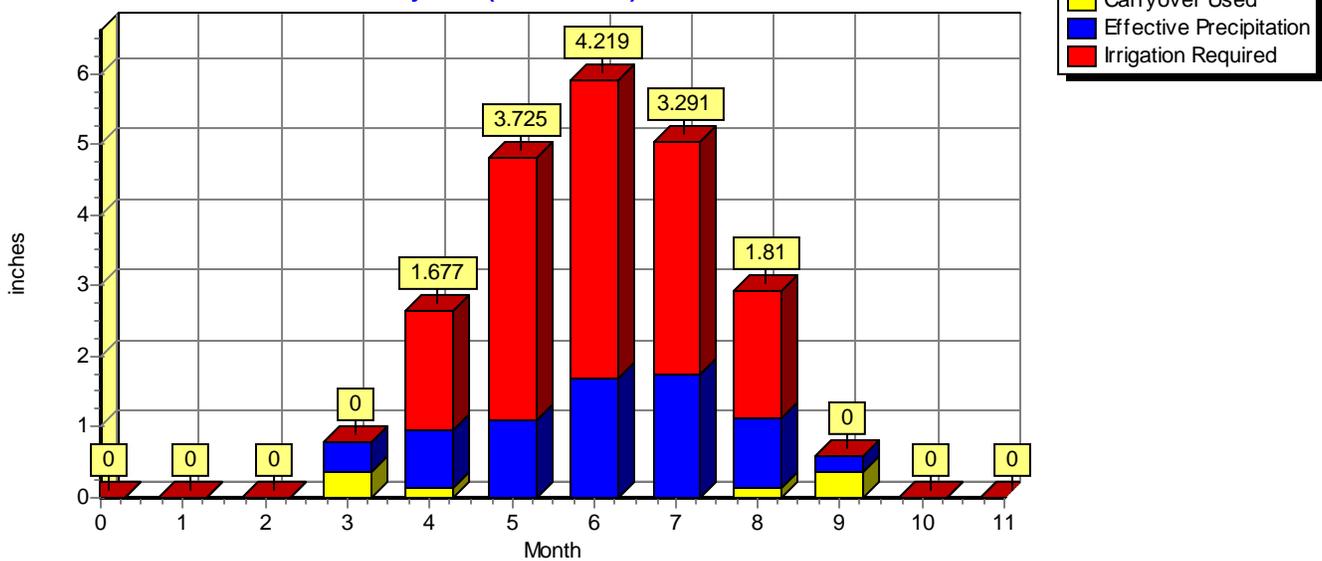
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Garlic
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 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	0.61	0.14	0.46	0.18	0.42	0.02	0.02
February	0.76	0.14	0.62	0.18	0.58	0.03	0.03
March	1.34	0.34	1.00	0.44	0.91	0.04	0.05
April	1.94	0.45	1.49	0.58	1.36	0.06	0.07
May	2.63	0.84	1.79	1.07	1.56	0.08	0.09
June	1.37	0.49	0.38	0.63	0.24	0.09	
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	1.25	0.50	0.25	0.64	0.11	0.04	
November	0.67	0.33	0.34	0.43	0.24	0.02	0.02
December	0.56	0.21	0.35	0.27	0.29	0.02	0.02
TOTAL	11.13	3.44	6.69	4.41	5.71		

(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: **Las Vegas**

Crop: **Garlic**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

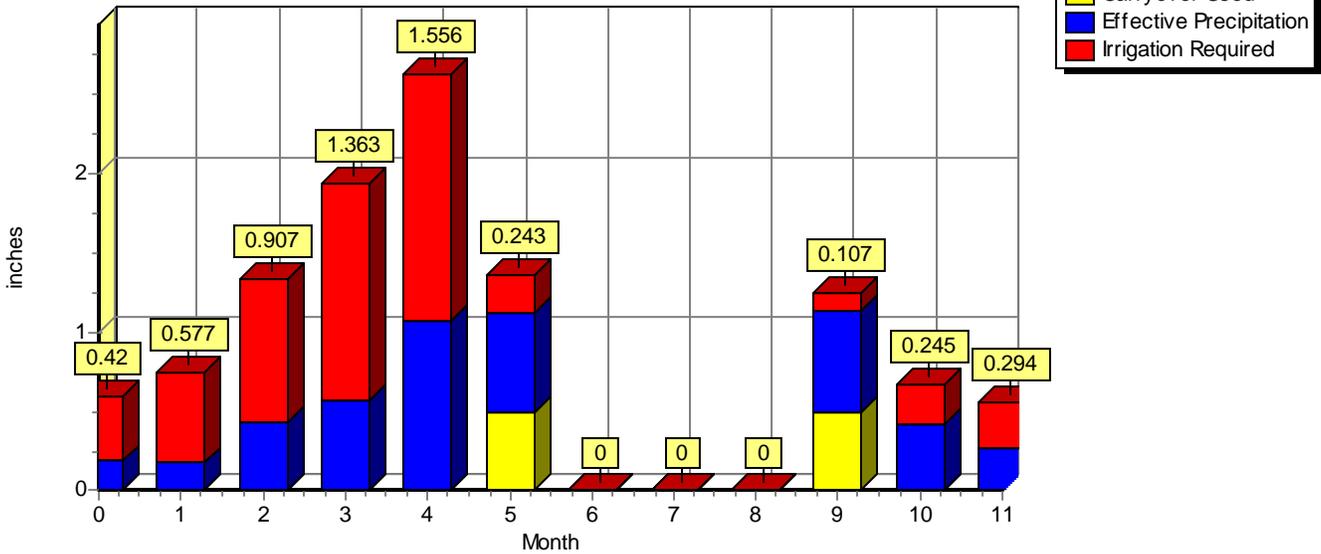
Begin Growth: **10/1** End Growth: **6/15**

Net irrigation application: **2** inches

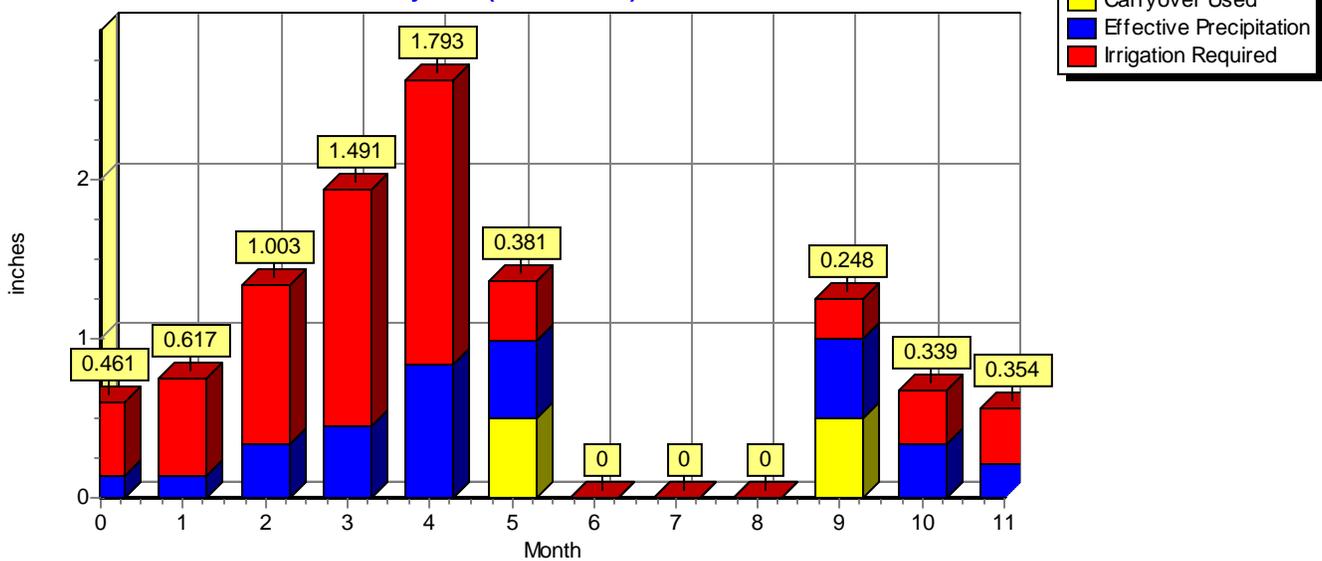
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Grain, spring
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 4/1 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	1.33	0.42	0.40	0.54	0.28	0.04	
May	5.33	0.97	4.36	1.25	4.08	0.17	0.19
June	3.34	1.01	1.83	1.30	1.55	0.11	
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	10.00	2.40	6.59	3.08	5.91		

(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: **Las Vegas**

Crop: **Grain, spring**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

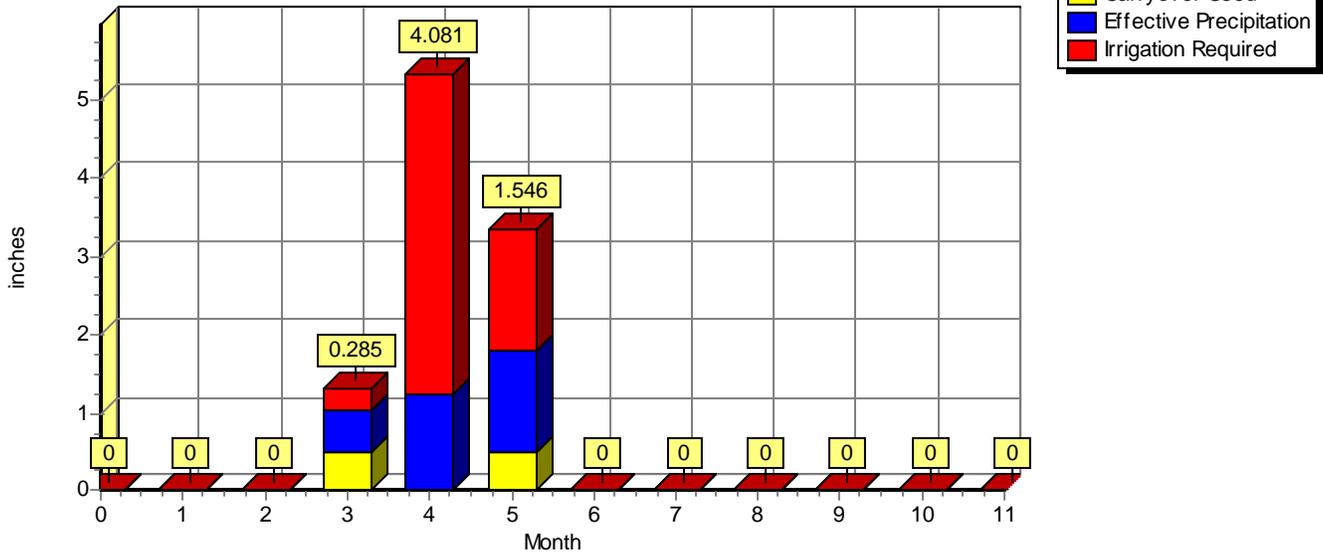
Begin Growth: **4/1** End Growth: **6/30**

Net irrigation application: **2** inches

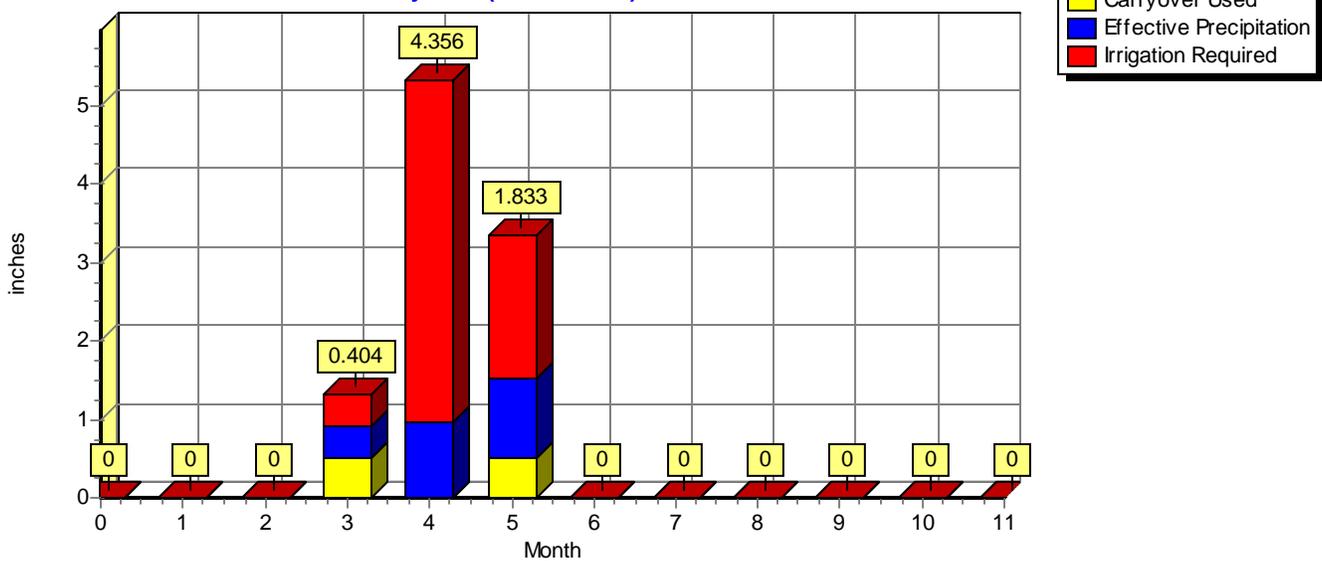
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Lettuce, spring plant
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 3/1 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	0.65	0.32	0.00	0.41	0.00	0.02	
April	2.10	0.46	1.47	0.58	1.26	0.07	0.08
May	2.71	0.82	1.39	1.05	1.16	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	5.45	1.59	2.86	2.04	2.41		

(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: **Las Vegas**

Crop: **Lettuce, spring plant**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

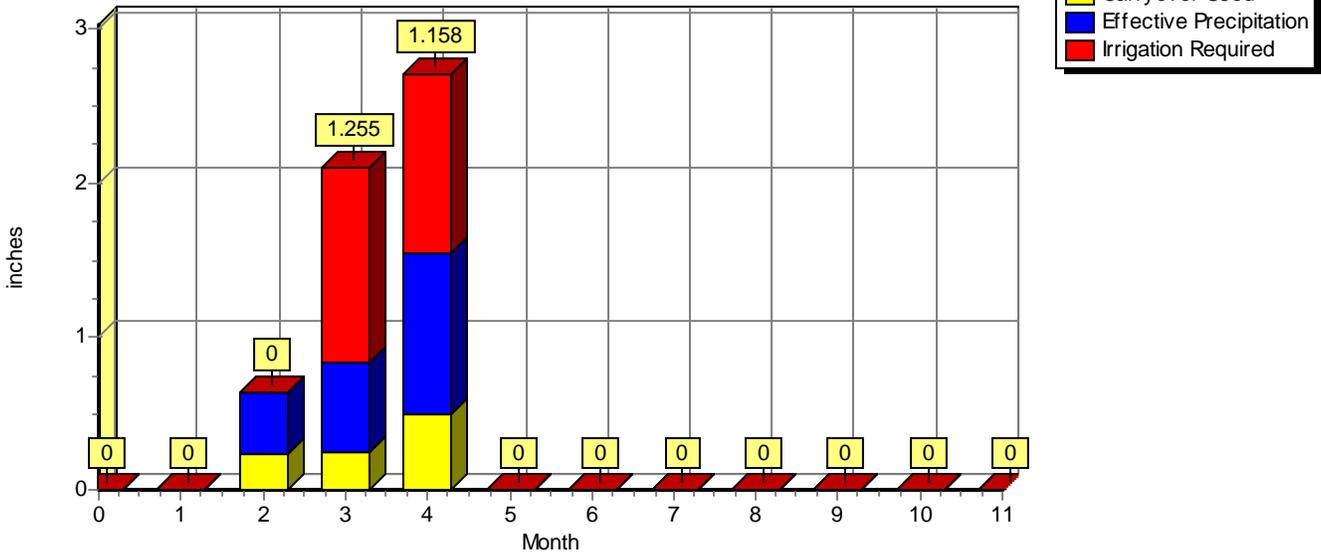
Begin Growth: **3/1** End Growth: **5/30**

Net irrigation application: **2** inches

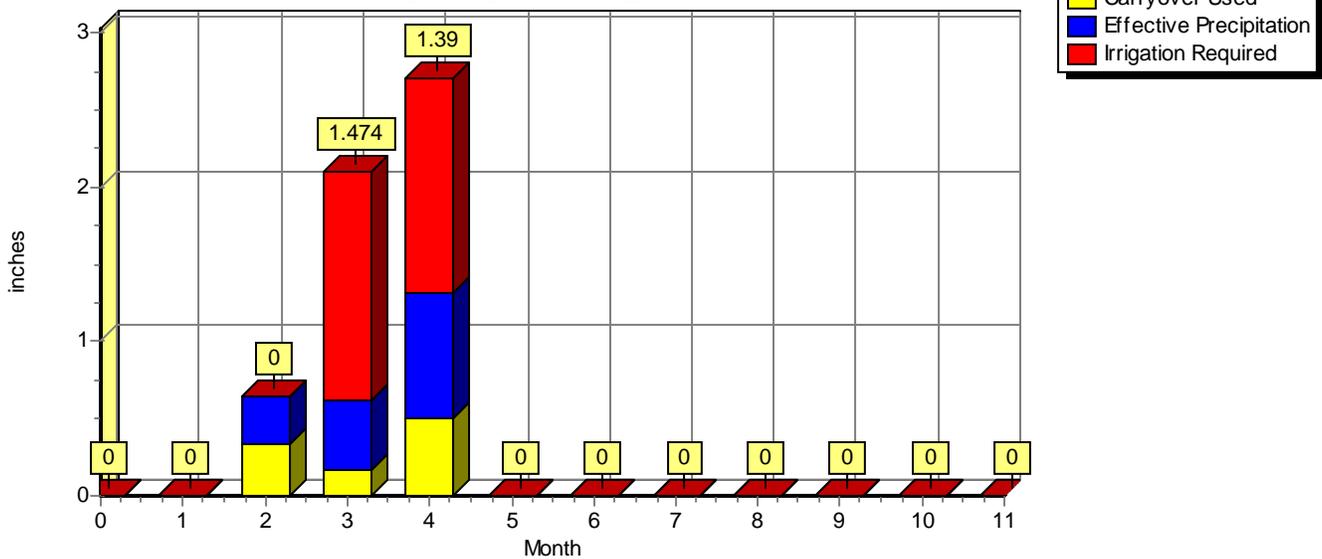
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Melons, spring
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 4/25 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	0.29	0.07	0.00	0.09	0.00	0.05	
May	2.34	0.82	1.24	1.06	0.99	0.08	0.08
June	4.77	1.09	3.67	1.40	3.36	0.16	0.17
July	5.68	1.67	4.01	2.14	3.54	0.18	0.20
August	3.69	1.37	1.82	1.76	1.43	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	16.78	5.03	10.75	6.45	9.32		

(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: **Las Vegas**

Crop: **Melons, spring**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

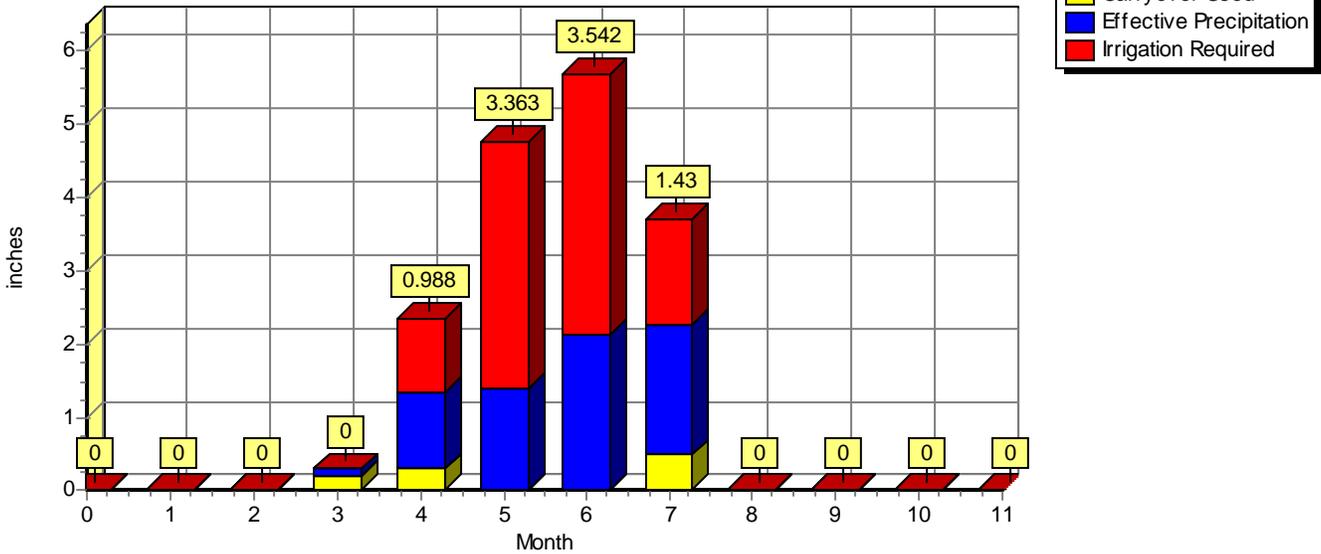
Begin Growth: **4/25** End Growth: **8/25**

Net irrigation application: **2** inches

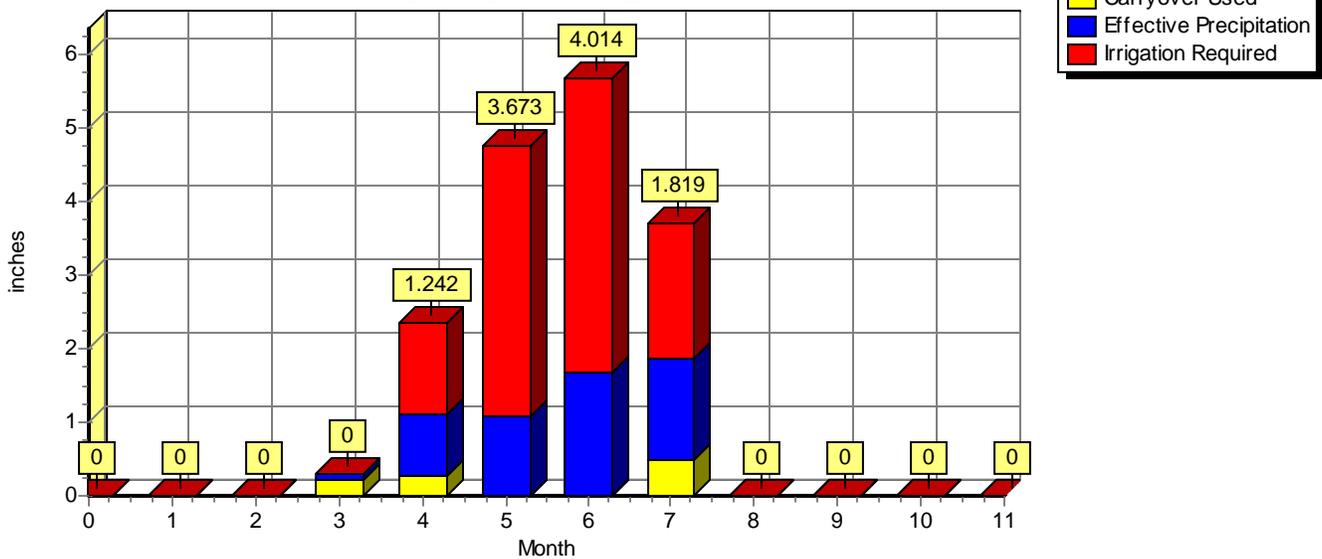
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Nursery Stock
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 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	0.51	0.26	0.00	0.34	0.00	0.02	
April	1.64	0.37	1.01	0.48	0.83	0.05	0.06
May	3.78	0.75	3.03	0.96	2.82	0.12	0.14
June	6.03	0.98	5.05	1.26	4.77	0.20	0.23
July	6.79	1.49	5.30	1.91	4.88	0.22	0.25
August	5.17	1.48	3.69	1.89	3.27	0.17	0.19
September	2.47	0.79	1.58	1.01	1.24	0.08	0.09
October	0.80	0.41	0.00	0.52	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	27.19	6.53	19.66	8.38	17.81		

(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: **Las Vegas**

Crop: **Nursery Stock**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

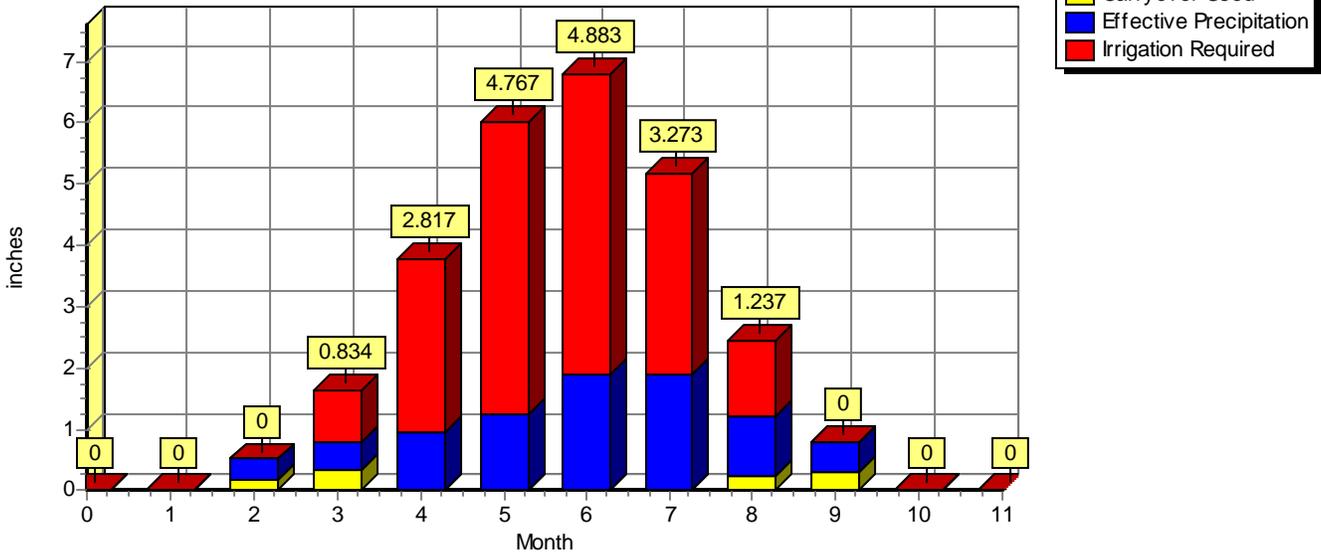
Begin Growth: **3/1** End Growth: **10/30**

Net irrigation application: **1** inches

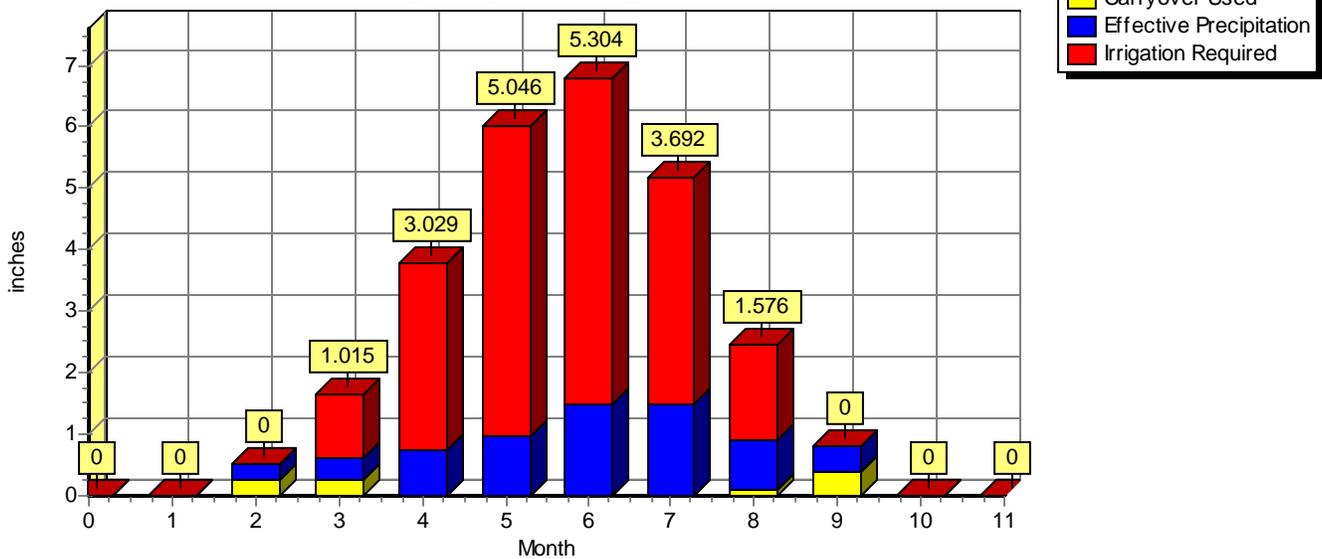
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Oat hay
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 3/15 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	0.47	0.14	0.00	0.18	0.00	0.03	
April	2.41	0.39	1.85	0.50	1.70	0.08	0.09
May	4.36	0.77	3.58	0.99	3.37	0.14	0.16
June	2.18	0.45	1.23	0.57	1.10	0.15	
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	9.41	1.75	6.66	2.25	6.16		

(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: **Las Vegas**

Crop: **Oat hay**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

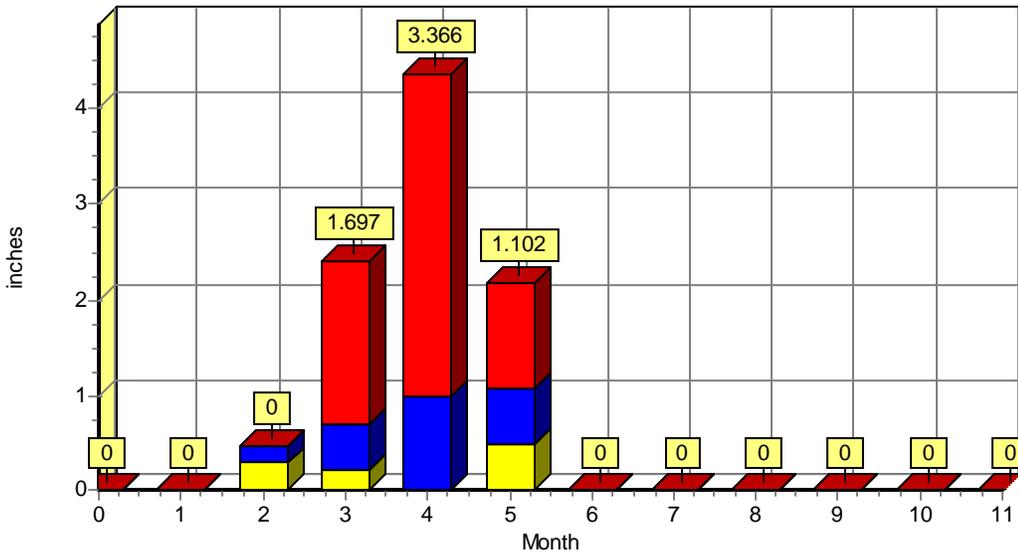
Begin Growth: **3/15** End Growth: **6/15**

Net irrigation application: **1** inches

Estimated carryover moisture used at season:

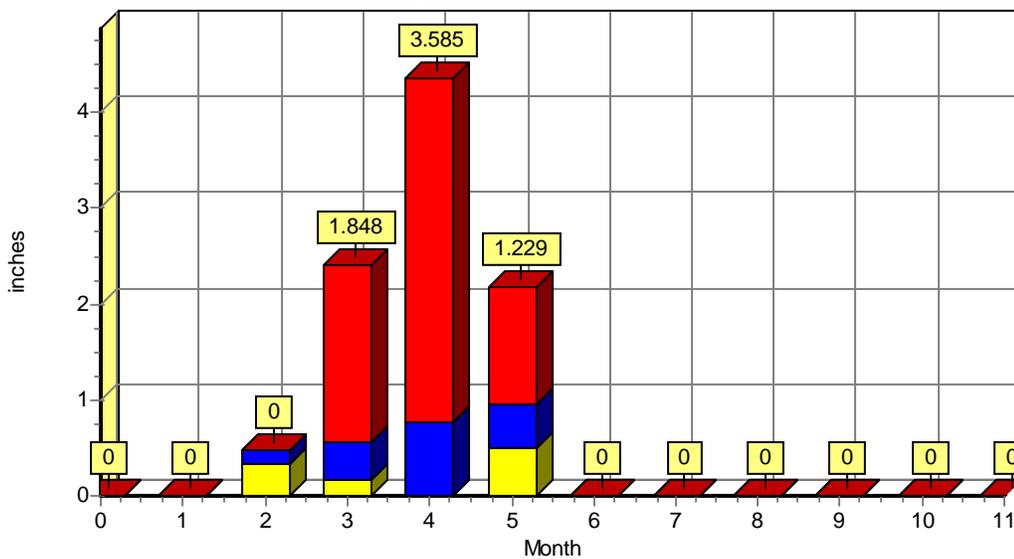
Begin: **0.5** inches End: **0.5** inches

Irrigation Water Requirements
Normal Year (50% chance)



■ 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: Las Vegas	Crop: Peas, green
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 3/1 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	0.78	0.32	0.00	0.41	0.00	0.03	
April	2.46	0.46	1.96	0.60	1.74	0.08	0.09
May	4.86	0.95	3.92	1.21	3.65	0.16	0.17
June	6.71	1.22	5.49	1.56	5.14	0.22	0.24
July	3.41	0.87	2.04	1.12	1.80	0.23	
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	18.23	3.82	13.41	4.90	12.33		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Las Vegas**

Crop: **Peas, green**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

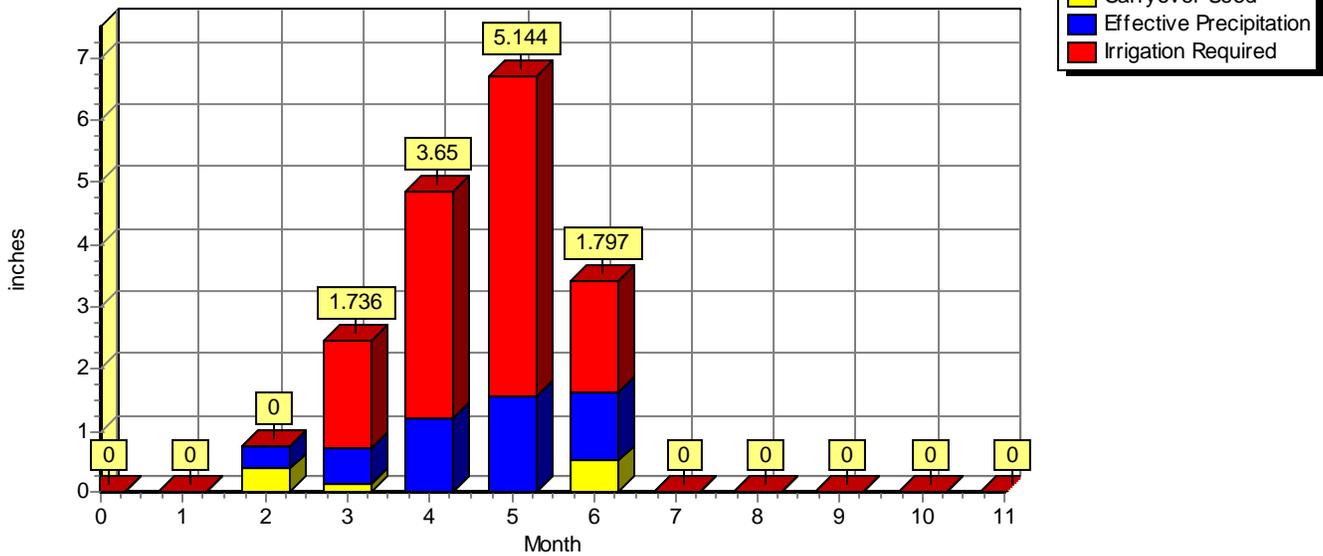
Begin Growth: **3/1** End Growth: **7/15**

Net irrigation application: **2** inches

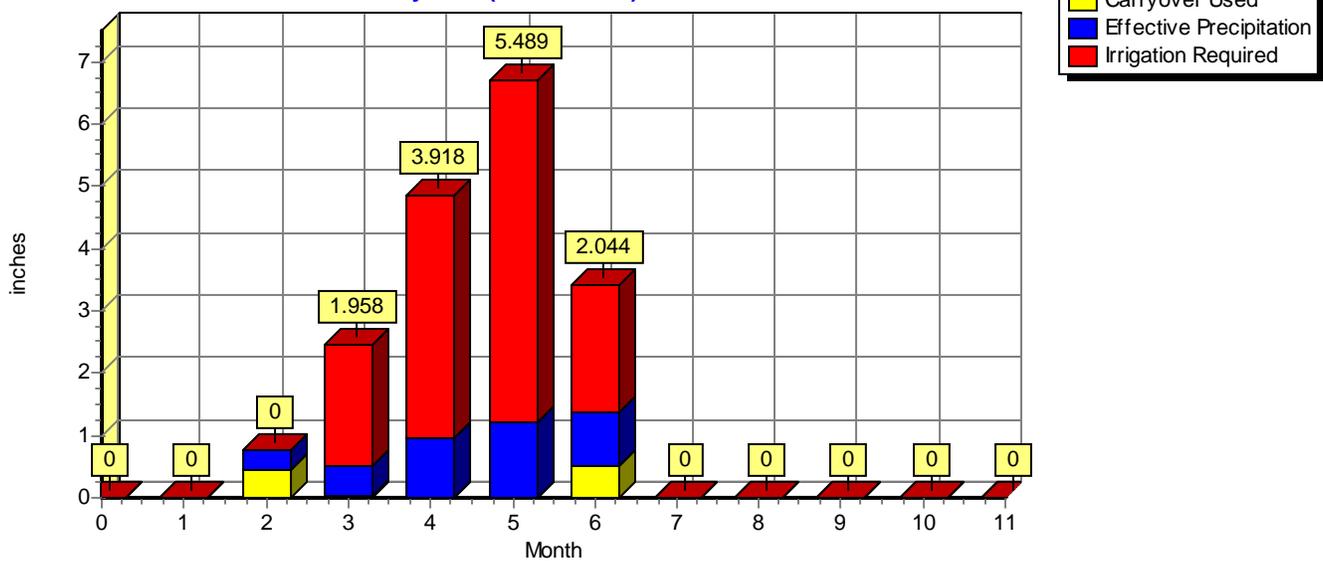
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Radish early
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 2/15 End Growth: 4/15	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	0.20	0.06	0.00	0.08	0.00	0.01	
March	1.27	0.34	0.58	0.43	0.81	0.04	0.04
April	0.75	0.22	0.03	0.28	0.00	0.05	
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	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	2.23	0.62	0.61	0.80	0.81		

(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: **Las Vegas**

Crop: **Radish early**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

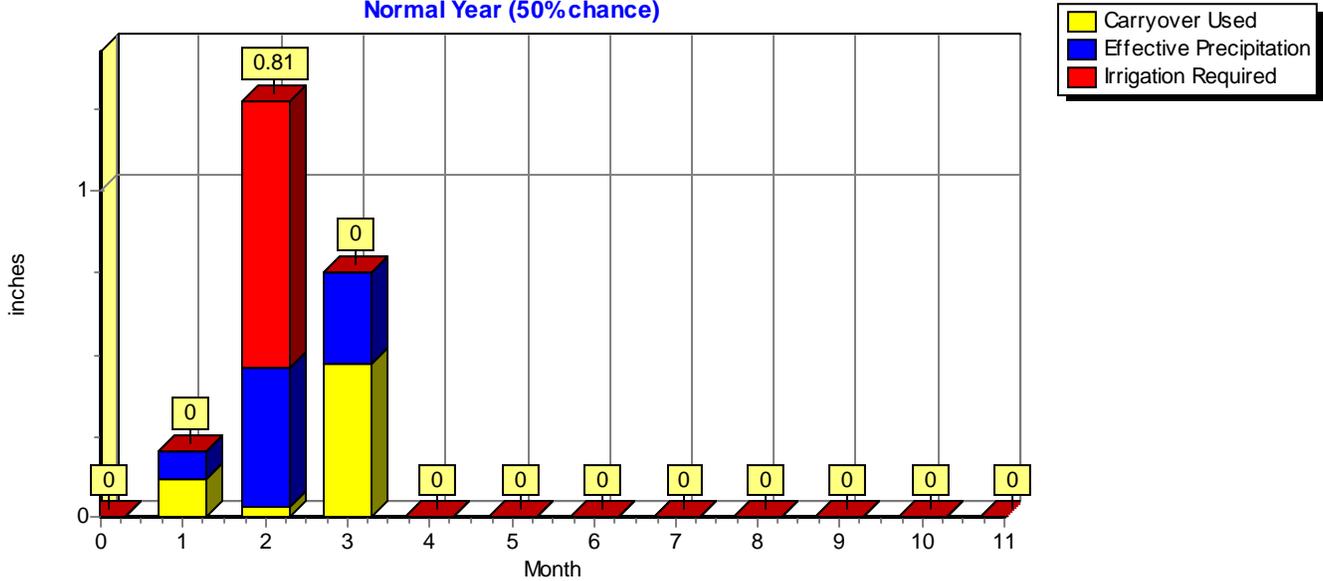
Begin Growth: **2/15** End Growth: **4/15**

Net irrigation application: **2** inches

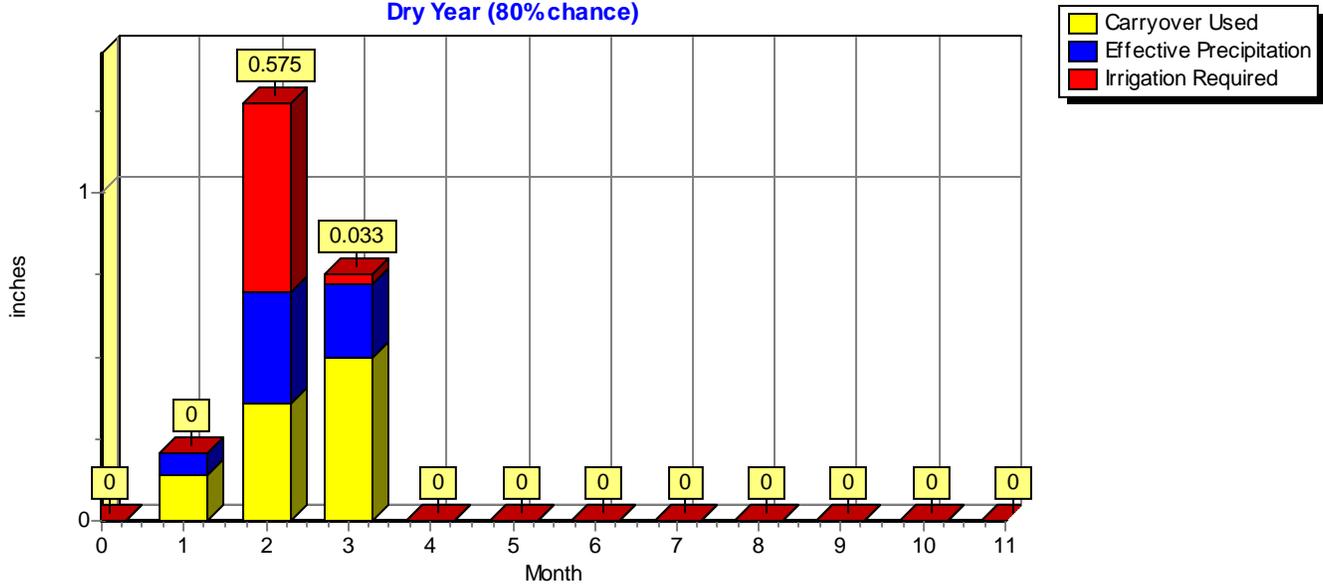
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Radish late
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 9/15 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	0.00	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	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	1.16	0.48	0.19	0.61	0.05	0.07	
October	2.19	0.54	1.36	0.70	1.15	0.07	0.08
November	0.37	0.17	0.00	0.21	0.00	0.02	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	3.73	1.19	1.54	1.52	1.21		

(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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Las Vegas**

Crop: **Radish late**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

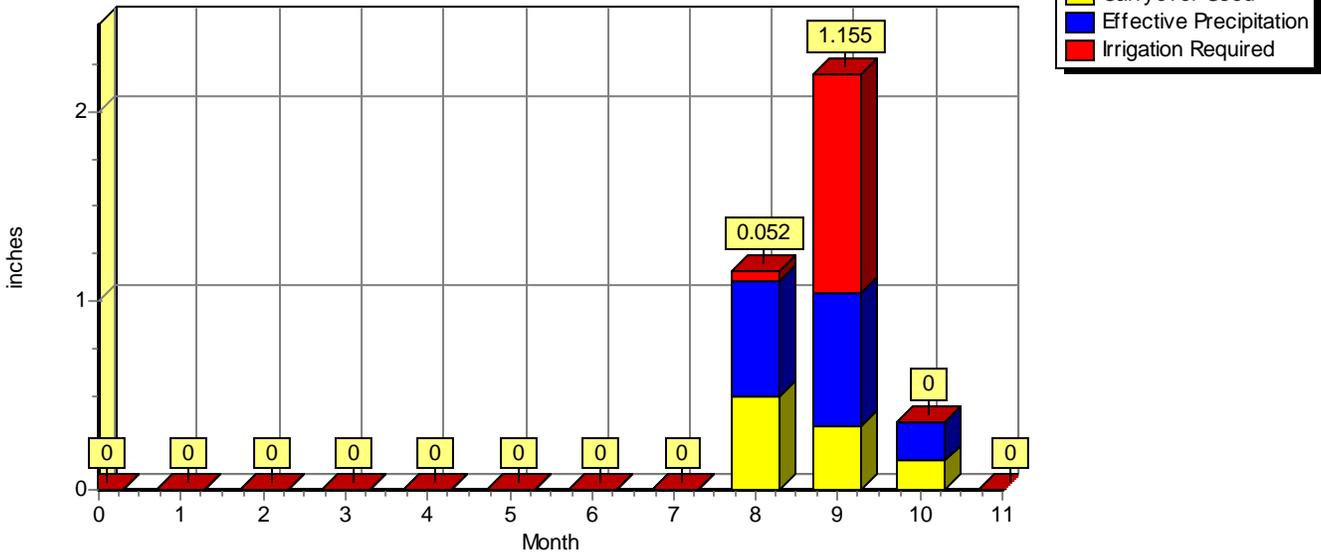
Begin Growth: **9/15** End Growth: **11/15**

Net irrigation application: **2** inches

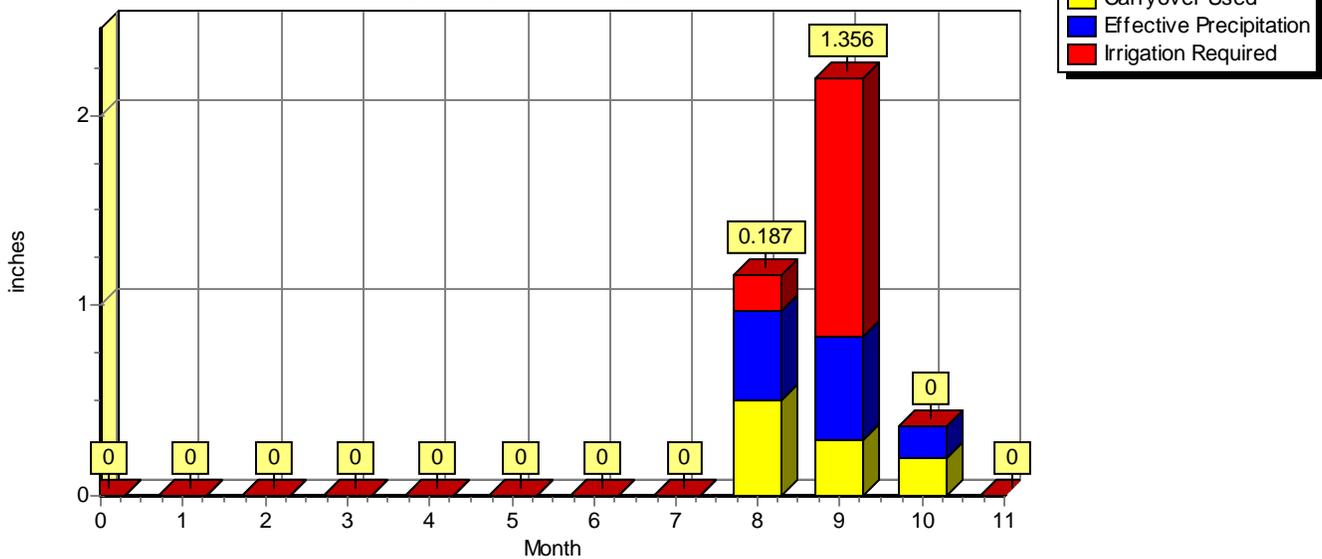
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Rasberries-Blackberries
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 4/15 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	0.79	0.22	0.07	0.28	0.00	0.05	
May	3.11	0.86	2.25	1.10	2.01	0.10	0.11
June	5.04	1.11	3.93	1.42	3.61	0.17	0.18
July	5.75	1.67	4.08	2.15	3.61	0.19	0.20
August	4.83	1.73	3.10	2.22	2.62	0.16	0.17
September	2.85	0.96	1.88	1.23	1.54	0.09	0.10
October	0.74	0.25	0.00	0.32	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	23.11	6.80	15.31	8.73	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: 7/27/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Las Vegas**

Crop: **Rasberries-Blackberries**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

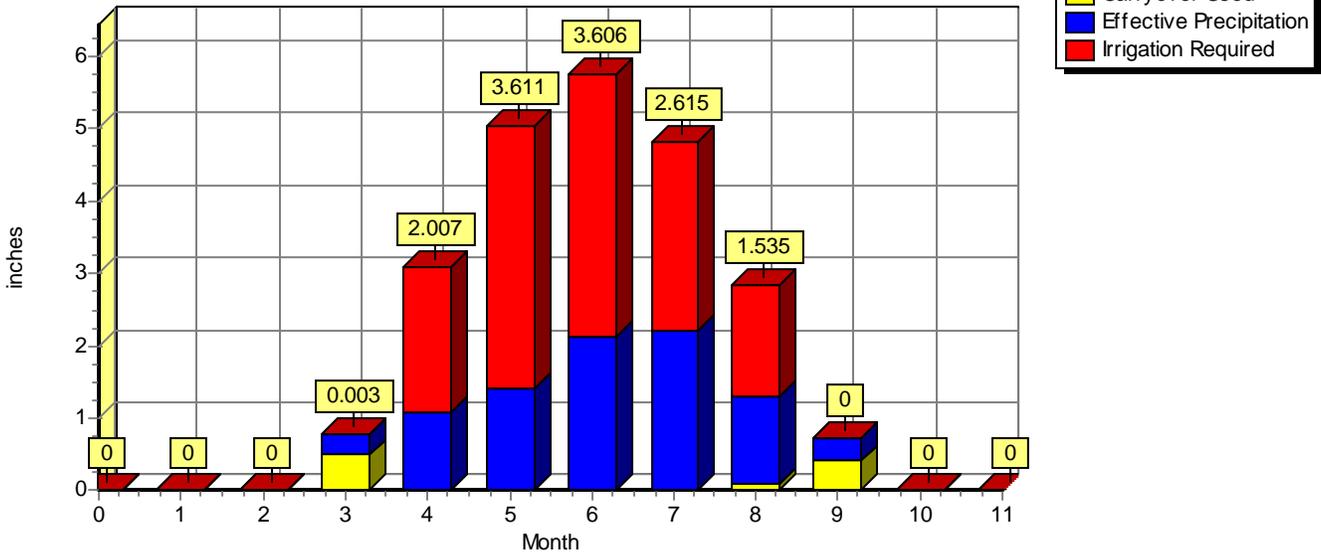
Begin Growth: **4/15** End Growth: **10/15**

Net irrigation application: **2** inches

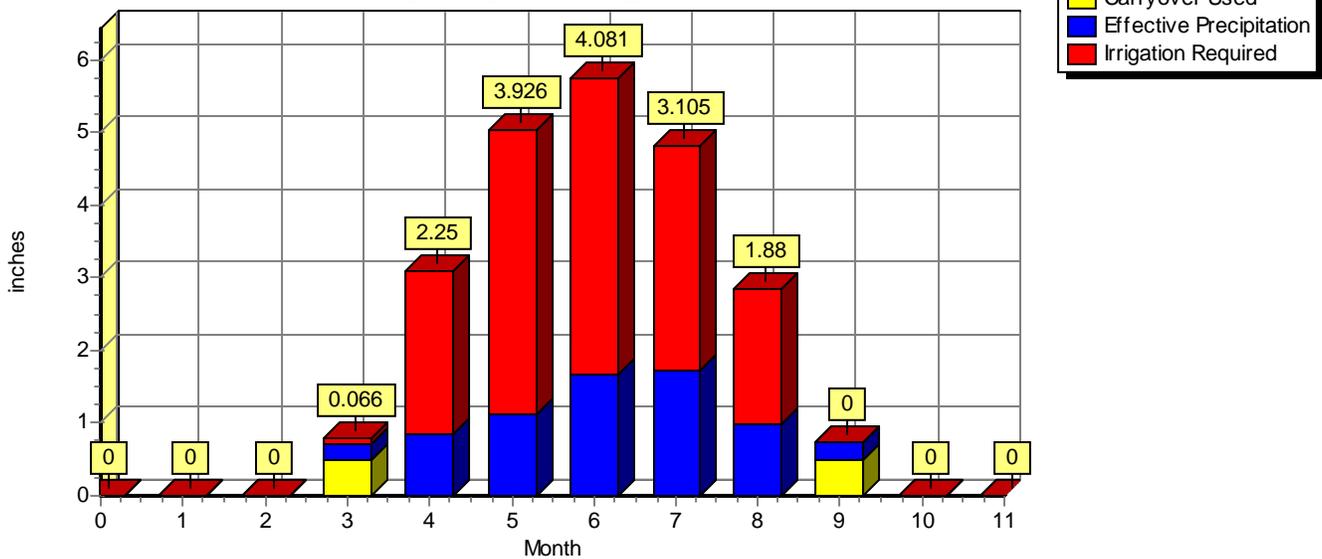
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Small Vegetable
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 4/25 End Growth: 7/25	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	0.21	0.07	0.00	0.09	0.00	0.03	
May	2.63	0.83	1.43	1.07	1.17	0.08	0.09
June	5.11	1.11	3.99	1.43	3.68	0.17	0.19
July	3.44	1.24	1.70	1.59	1.34	0.14	
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	11.38	3.26	7.12	4.19	6.19		

(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: **Las Vegas**

Crop: **Small Vegetable**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

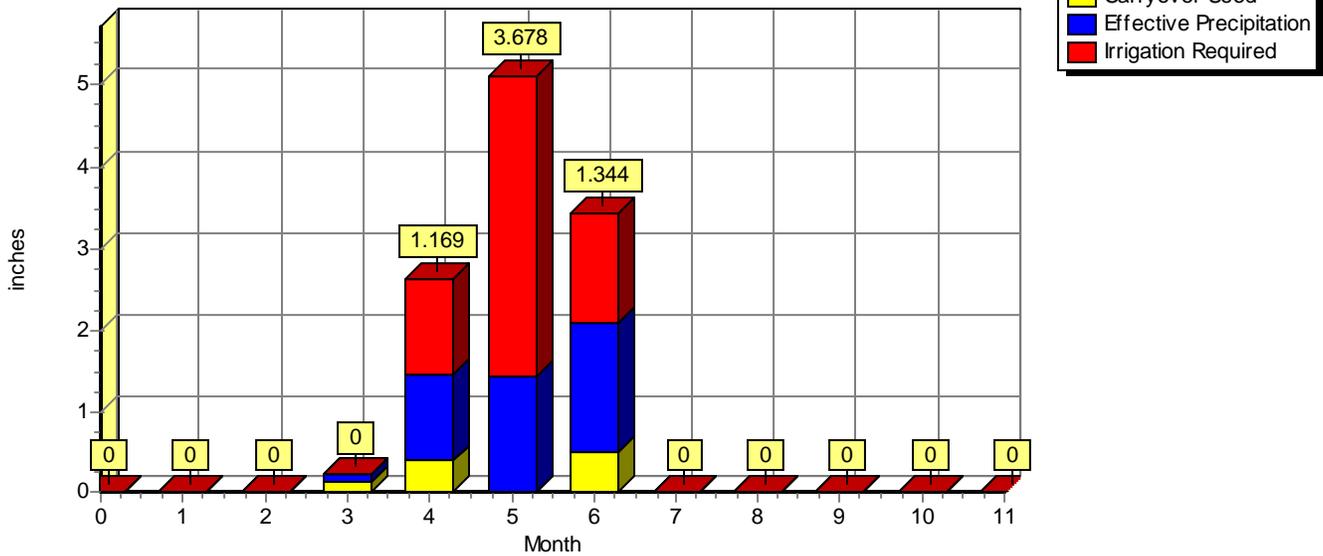
Begin Growth: **4/25** End Growth: **7/25**

Net irrigation application: **2** inches

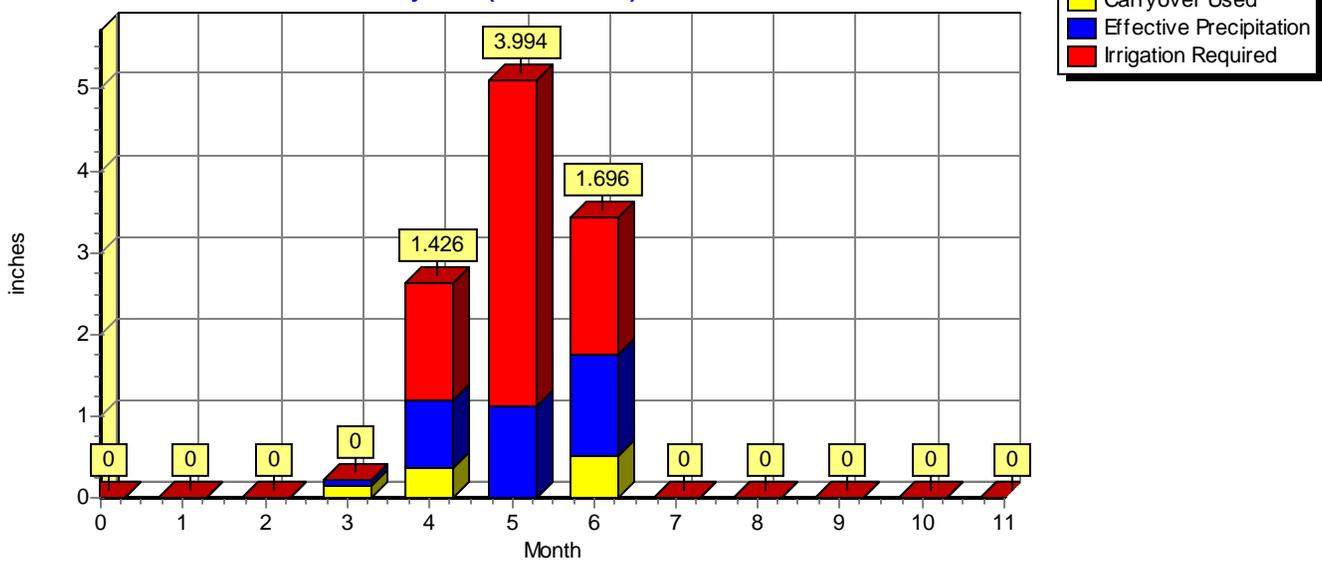
Estimated carryover moisture used at season:

 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: Las Vegas	Crop: Spinach
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 4/25 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	0.20	0.07	0.00	0.09	0.00	0.03	
May	1.94	0.80	0.76	1.03	0.51	0.06	0.07
June	4.34	1.07	3.27	1.37	2.97	0.14	0.16
July	5.80	1.68	4.13	2.15	3.65	0.19	0.20
August	5.15	1.76	3.39	2.26	2.89	0.17	0.18
September	3.04	0.97	1.93	1.25	1.59	0.10	0.11
October	0.61	0.25	0.00	0.32	0.00	0.04	
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	21.08	6.60	13.48	8.47	11.61		

(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: **Las Vegas**

Crop: **Spinach**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

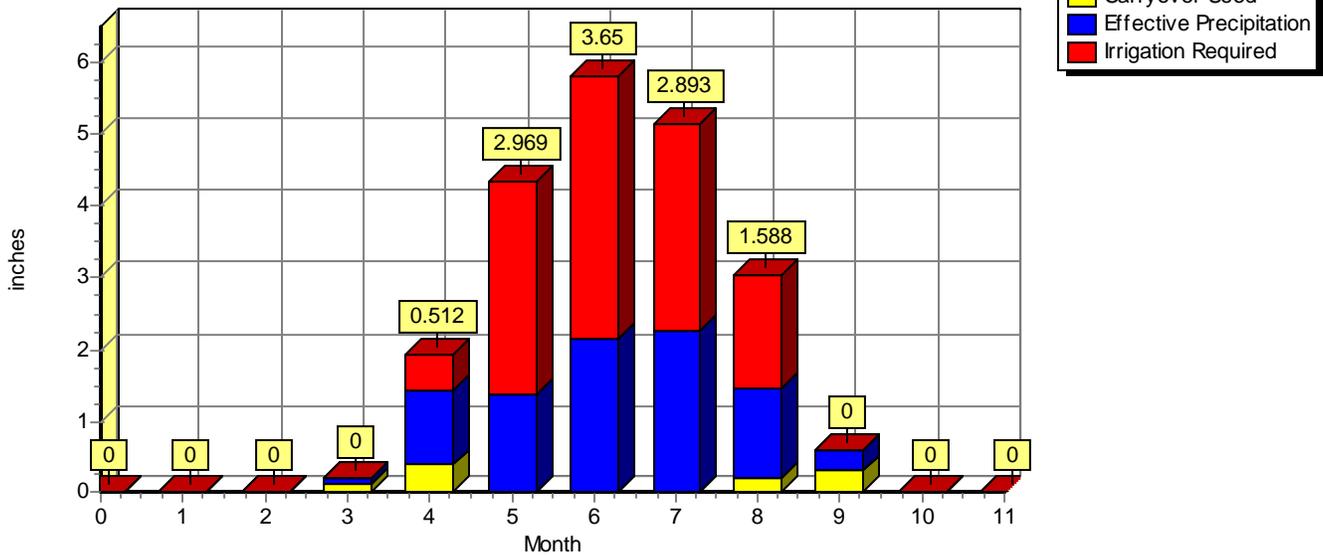
Begin Growth: **4/25** End Growth: **10/15**

Net irrigation application: **2** inches

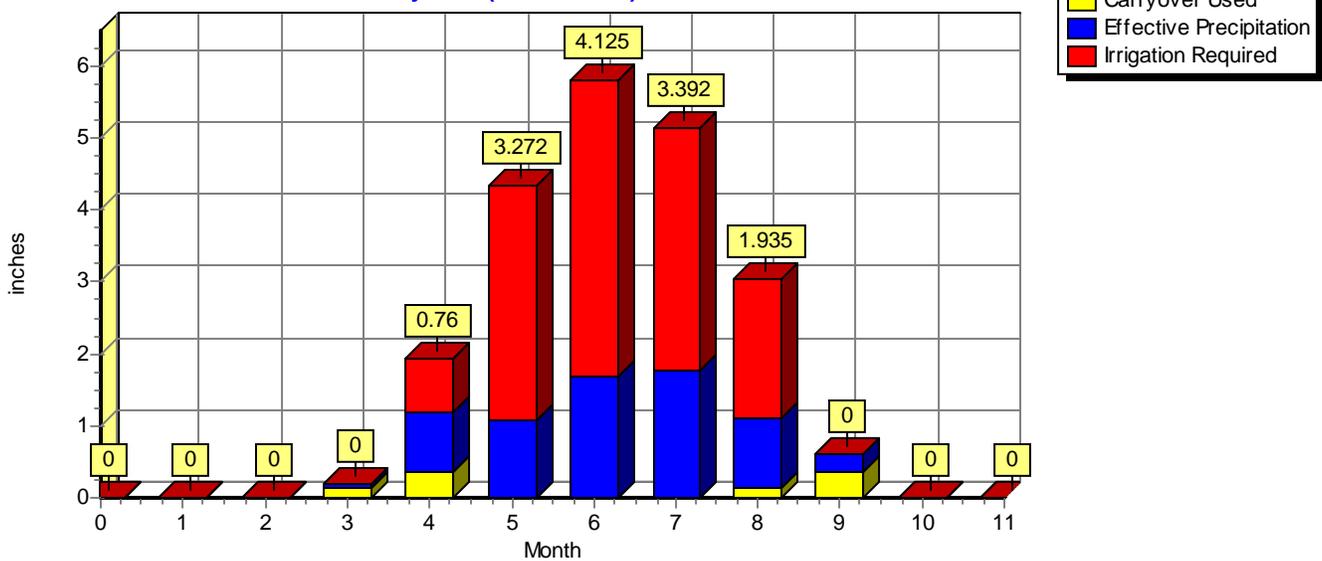
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Tomato
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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: 6/15 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	0.00	0.00	0.00	0.00	0.00	0.00	
May	0.00	0.00	0.00	0.00	0.00	0.00	
June	1.53	0.49	0.54	0.63	0.40	0.10	
July	3.98	1.51	2.47	1.94	2.04	0.13	0.14
August	6.01	1.84	4.17	2.37	3.64	0.19	0.21
September	4.25	1.04	3.21	1.33	2.91	0.14	0.15
October	1.01	0.26	0.25	0.33	0.18	0.07	
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	16.78	5.15	10.63	6.61	9.17		

(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: **Las Vegas**

Crop: **Tomato**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

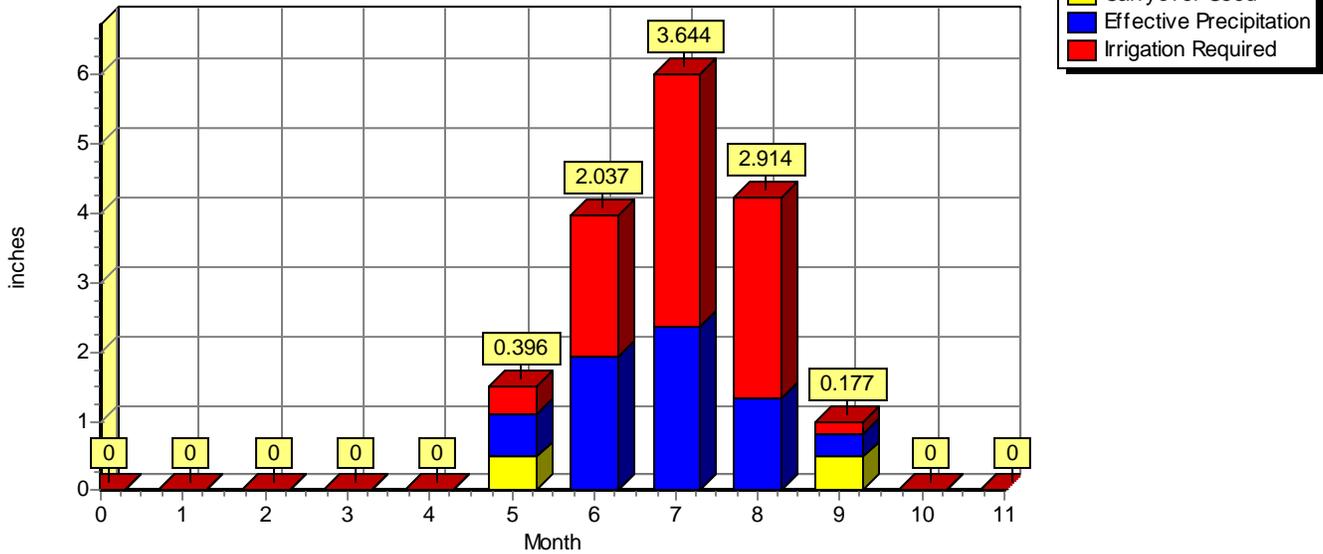
Begin Growth: **6/15** End Growth: **10/15**

Net irrigation application: **2** inches

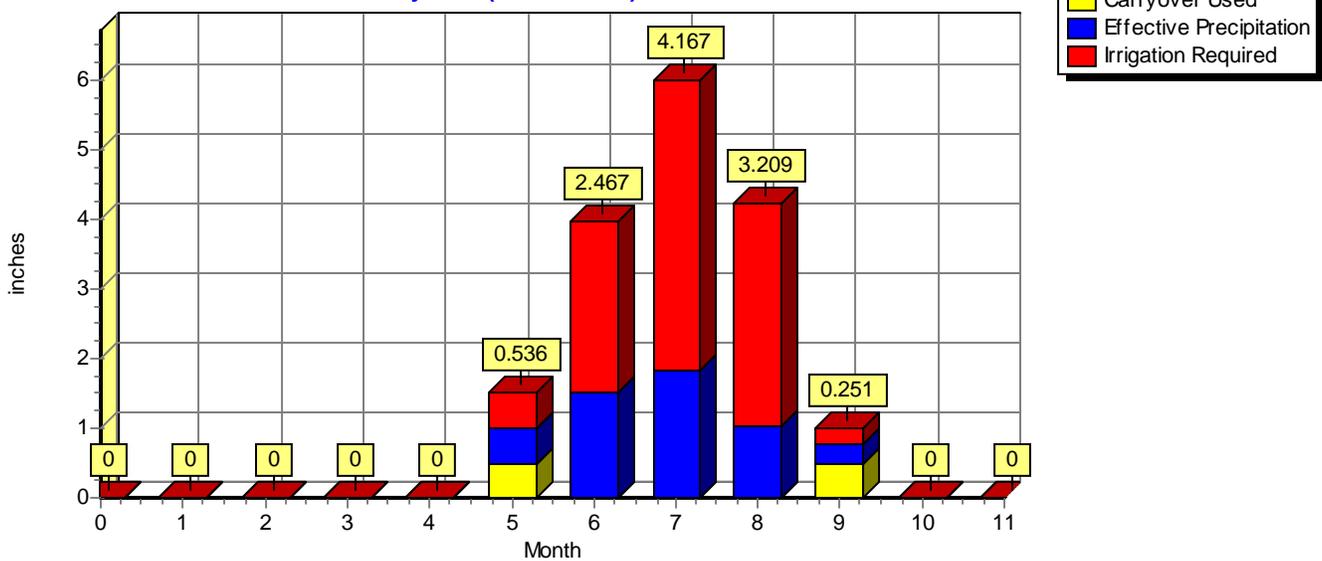
Estimated carryover moisture used at season:

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: Las Vegas	Crop: Winter Wheat, graze out
Location: Airport	County: San Miguel, NM
By: Rhett	Date: 01/25/05
Weather Station: LAS VEGAS FAA AIRPORT	Sta No: NM4856
Latitude: 3539 Longitude: 10509	Elevation: 6870 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	0.73	0.34	0.00	0.44	0.00	0.02	
May	2.57	0.70	1.76	0.90	1.46	0.08	0.09
June	5.39	0.95	4.44	1.22	4.17	0.18	0.20
July	7.80	1.57	6.23	2.02	5.79	0.25	0.29
August	7.91	1.69	5.72	2.17	5.25	0.26	
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	24.40	5.25	18.15	6.74	16.66		

(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: **Las Vegas**

Crop: **Winter Wheat, graze out**

Location: **Airport**

Date: **01/25/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

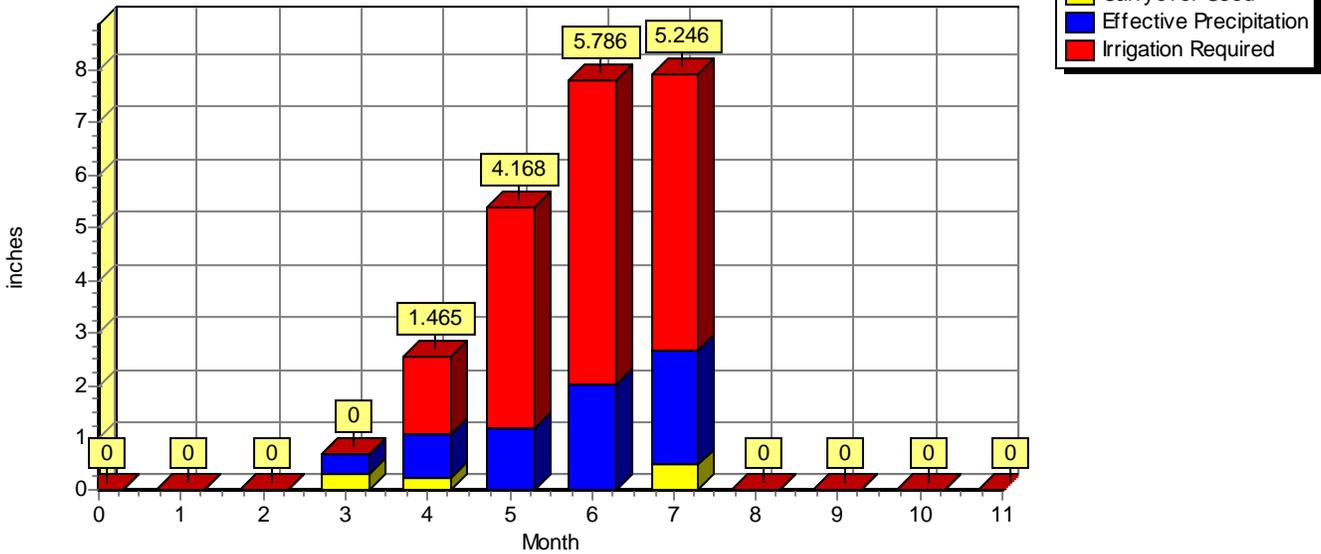
Begin Growth: **4/1** End Growth: **8/30**

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)**

