

Irrigation Water Requirements

Crop Data Summary

Job: Santa Rosa	Crop: Alfalfa, hay, northern
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 feet above sea level
Computation Method: Blaney Criddle (TR21)	Net irrigation application: 2 inches
Crop Curve: Blaney Criddle Perennial Crop	Estimated carryover moisture used at season:
Begin Growth: 4/2 End Growth: 10/30	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	3.08	0.40	2.18	0.52	2.06	0.11	
May	6.48	0.79	5.69	1.03	5.45	0.21	0.23
June	8.98	1.17	7.81	1.53	7.45	0.30	0.33
July	9.89	1.59	8.30	2.07	7.82	0.32	0.35
August	8.43	1.70	6.73	2.22	6.21	0.27	0.30
September	5.73	1.00	4.72	1.31	4.42	0.18	0.20
October	3.24	0.57	2.17	0.74	2.00	0.11	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	45.82	7.22	37.60	9.42	35.40		

(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: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

Crop: **Alfalfa, hay, northern**

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

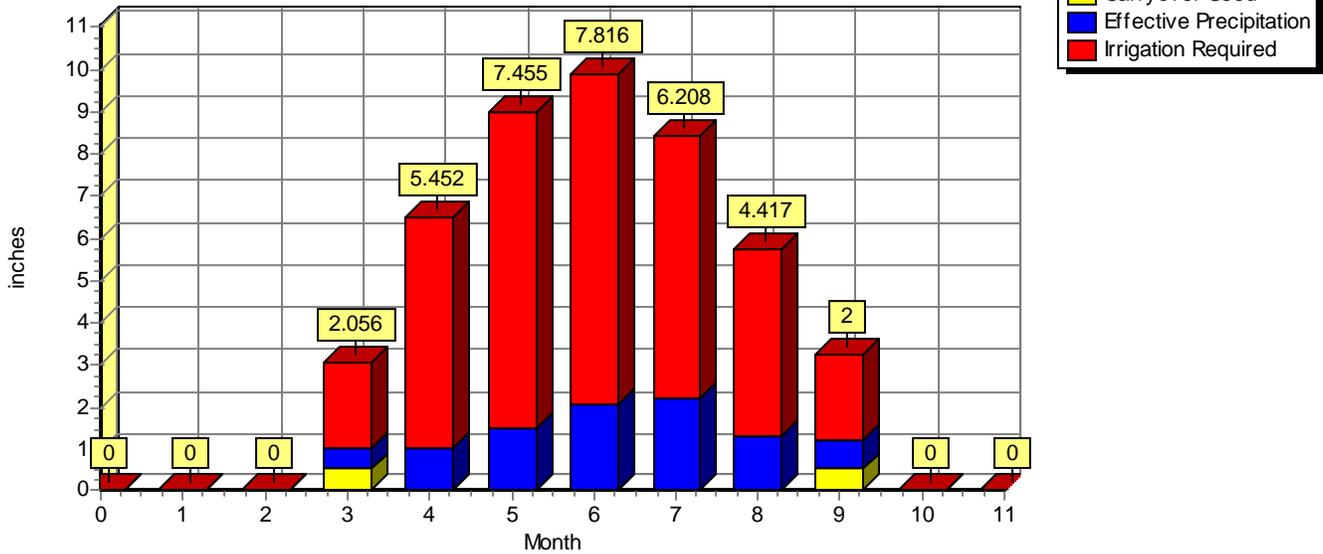
Begin Growth: **4/2** End Growth: **10/30**

Net irrigation application: **2** inches

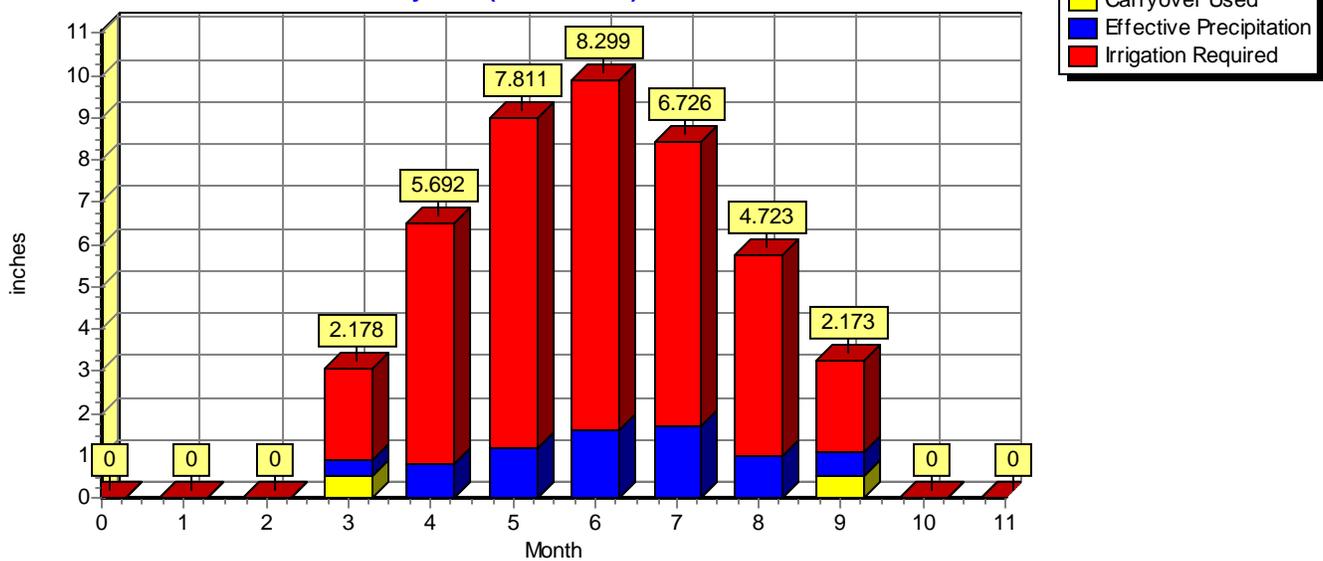
Estimated carryover moisture used at season:

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

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



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



Irrigation Water Requirements

Crop Data Summary

Job: Santa Rosa	Crop: Apples, mature w/o cover
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 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: 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	0.15	0.00	0.19	0.00	0.04	
April	2.43	0.41	2.01	0.54	1.85	0.08	0.09
May	5.17	0.73	4.43	0.96	4.21	0.17	0.18
June	7.63	1.08	6.54	1.41	6.21	0.25	0.28
July	8.43	1.46	6.97	1.91	6.52	0.27	0.30
August	6.44	1.52	4.91	1.99	4.45	0.21	0.23
September	3.14	0.87	2.26	1.13	1.89	0.10	0.11
October	0.82	0.34	0.00	0.44	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	34.69	6.57	27.13	8.56	25.13		

(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: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

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

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

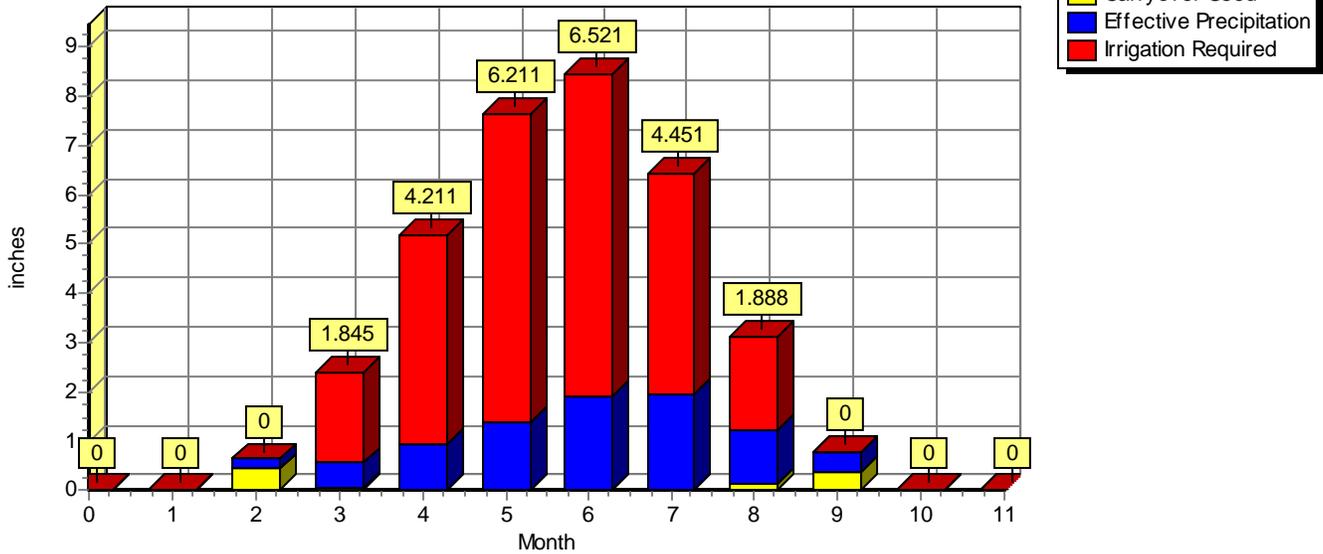
Begin Growth: **3/15** End Growth: **10/20**

Net irrigation application: **2** inches

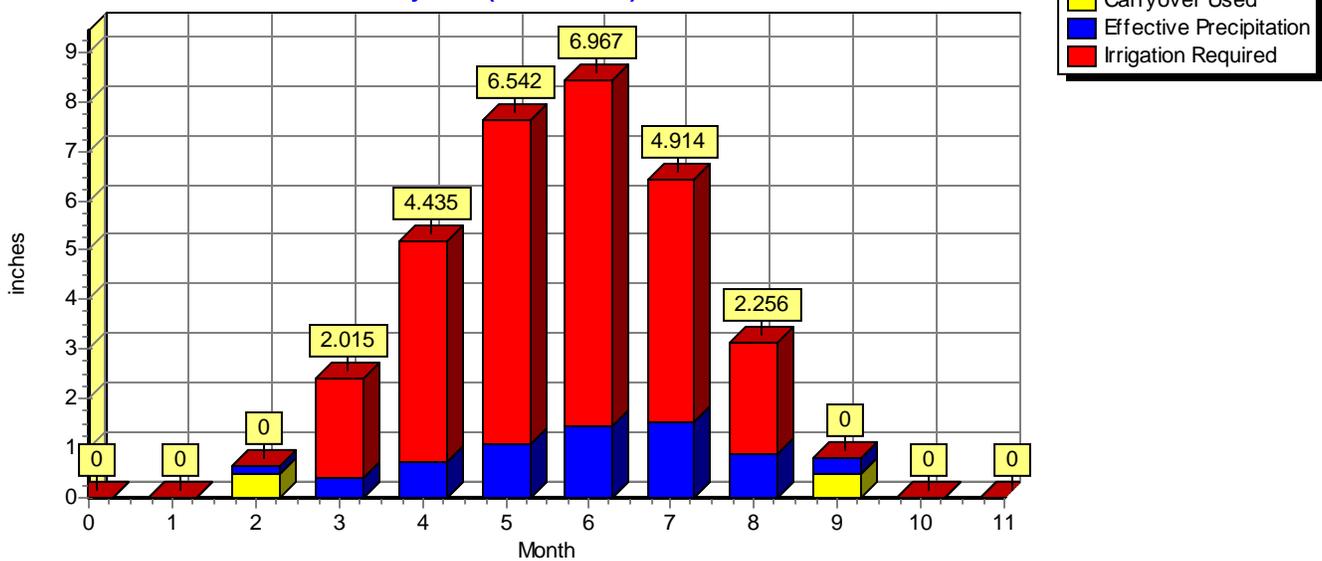
Estimated carryover moisture used at season:

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

Irrigation Water Requirements
Normal Year (50% chance)



Irrigation Water Requirements
Dry Year (80% chance)



Irrigation Water Requirements

Crop Data Summary

Job: Santa Rosa	Crop: Beans, dry edible
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 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: 5/15 End Growth: 8/30	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.00	0.00	0.00	0.00	0.00	0.00	
May	1.66	0.34	0.82	0.44	0.72	0.10	
June	6.81	1.04	5.77	1.35	5.46	0.23	0.25
July	9.55	1.56	7.99	2.03	7.52	0.31	0.34
August	5.95	1.45	4.01	1.89	3.56	0.20	
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	23.97	4.38	18.59	5.71	17.26		

(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: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

Crop: **Beans, dry edible**

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

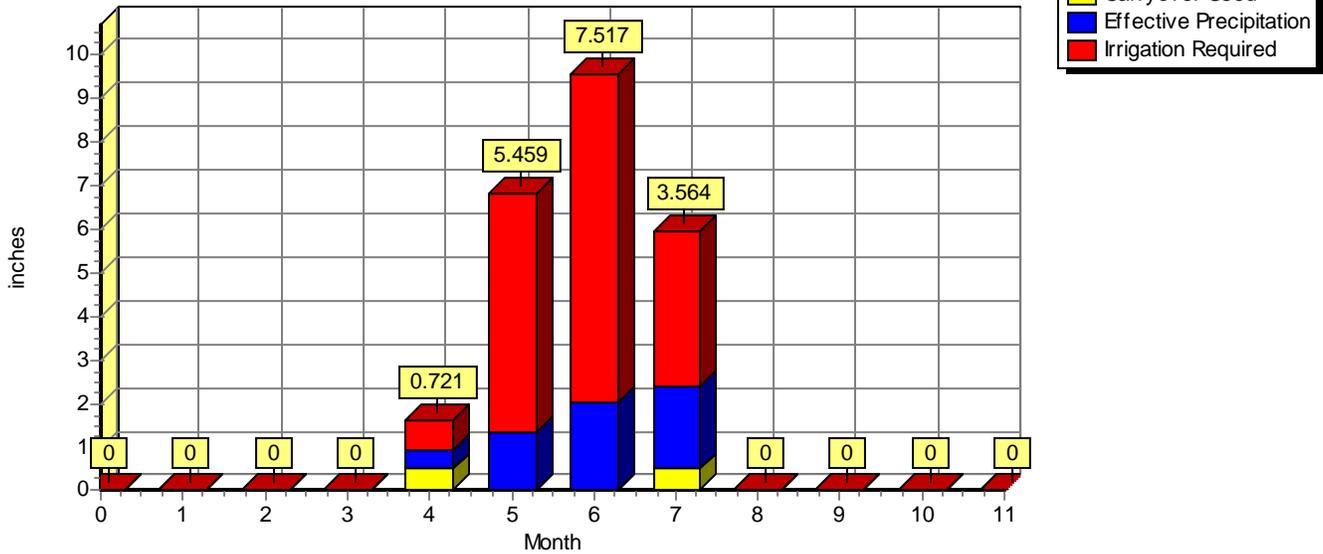
Begin Growth: **5/15** End Growth: **8/30**

Net irrigation application: **2** inches

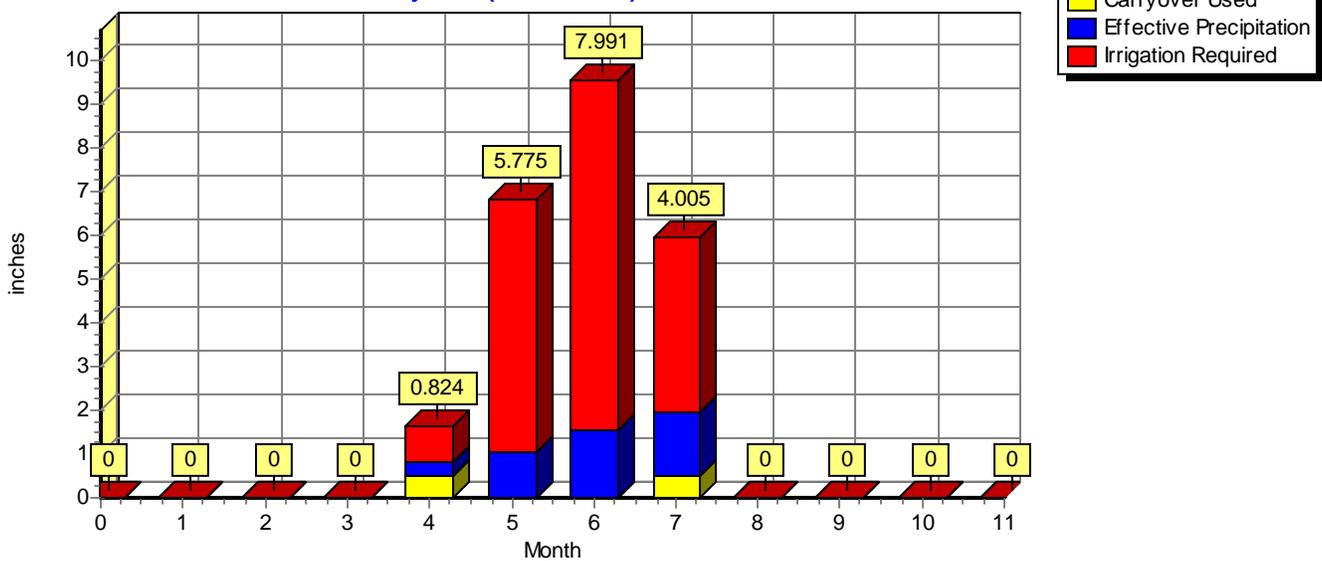
Estimated carryover moisture used at season:

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: Santa Rosa	Crop: Chile, green
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 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: 8/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.00	0.00	0.00	0.00	0.00	0.00	
May	2.34	0.61	1.23	0.79	1.05	0.08	
June	6.25	1.00	5.25	1.31	4.94	0.21	0.23
July	6.81	1.34	5.47	1.74	5.06	0.22	0.24
August	1.93	0.64	0.79	0.84	0.59	0.13	
September	0.00	0.00	0.00	0.00	0.00	0.00	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	17.32	3.59	12.73	4.68	11.64		

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

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

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

Date: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

Crop: **Chile, green**

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

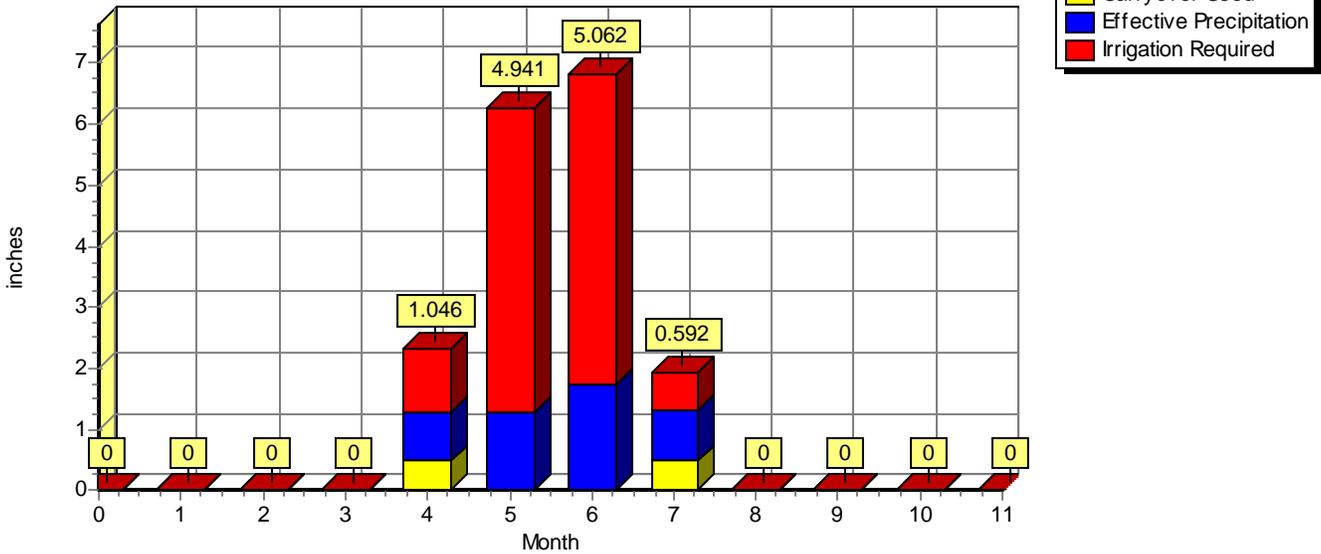
Begin Growth: **5/1** End Growth: **8/15**

Net irrigation application: **2** inches

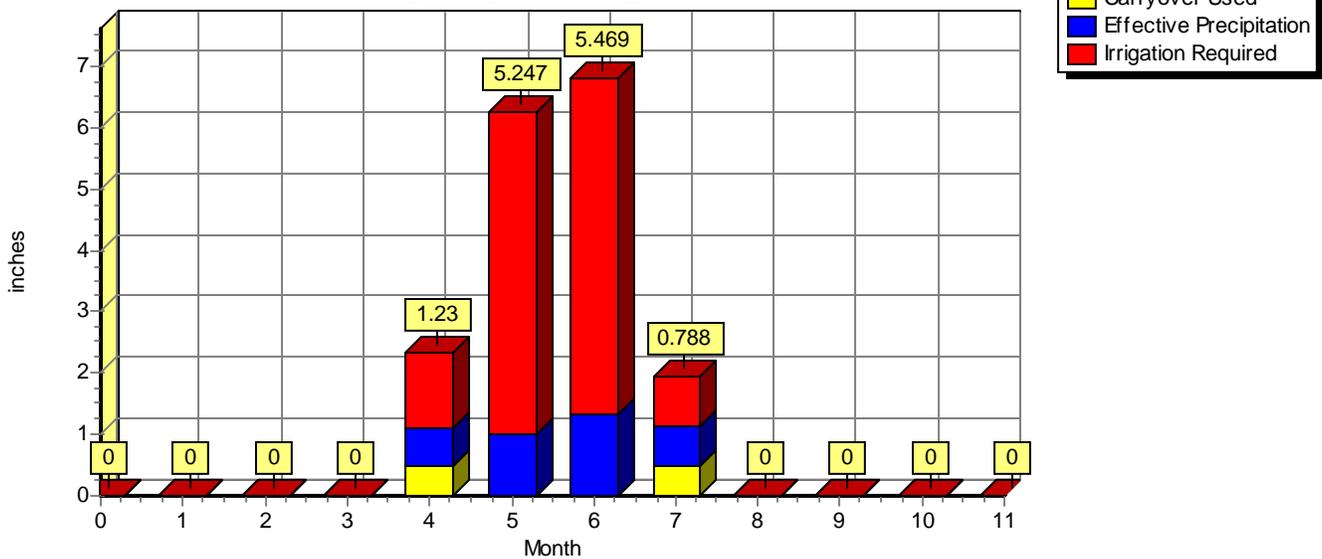
Estimated carryover moisture used at season:

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: Santa Rosa	Crop: Chile, red
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 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: 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	1.95	0.59	0.85	0.77	0.67	0.06	
June	5.27	0.95	4.32	1.24	4.03	0.18	0.19
July	7.15	1.36	5.78	1.78	5.37	0.23	0.25
August	6.45	1.52	4.92	1.99	4.46	0.21	0.23
September	3.91	0.91	3.00	1.18	2.71	0.13	0.14
October	0.82	0.26	0.06	0.34	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	25.54	5.59	18.94	7.30	17.24		

(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: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

Crop: **Chile, red**

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

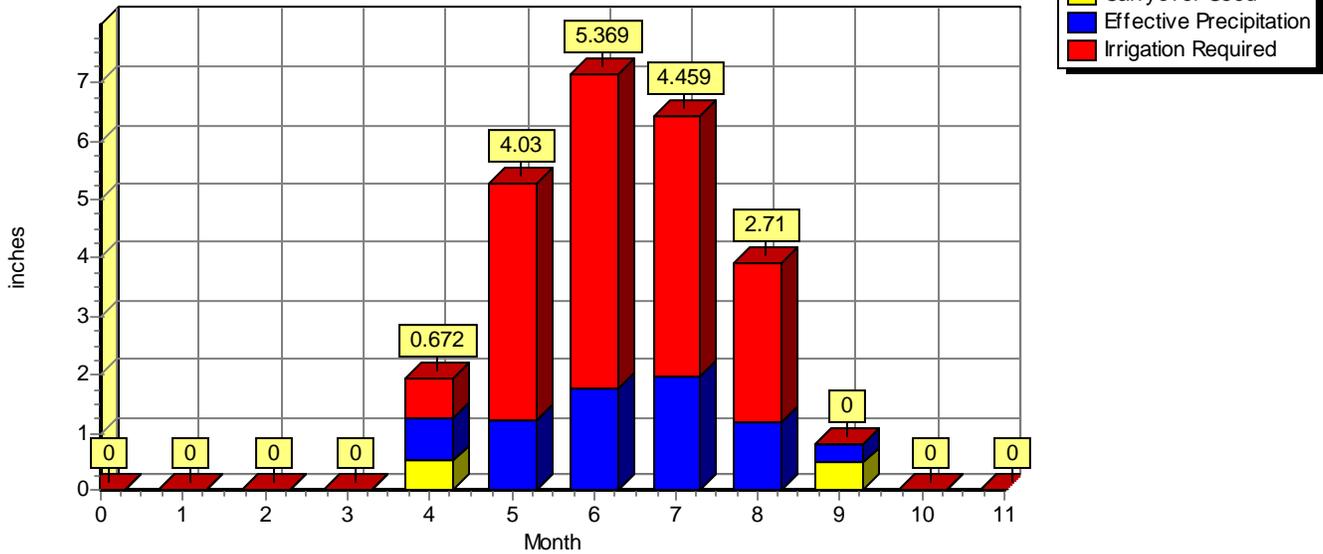
Begin Growth: **5/1** End Growth: **10/15**

Net irrigation application: **2** inches

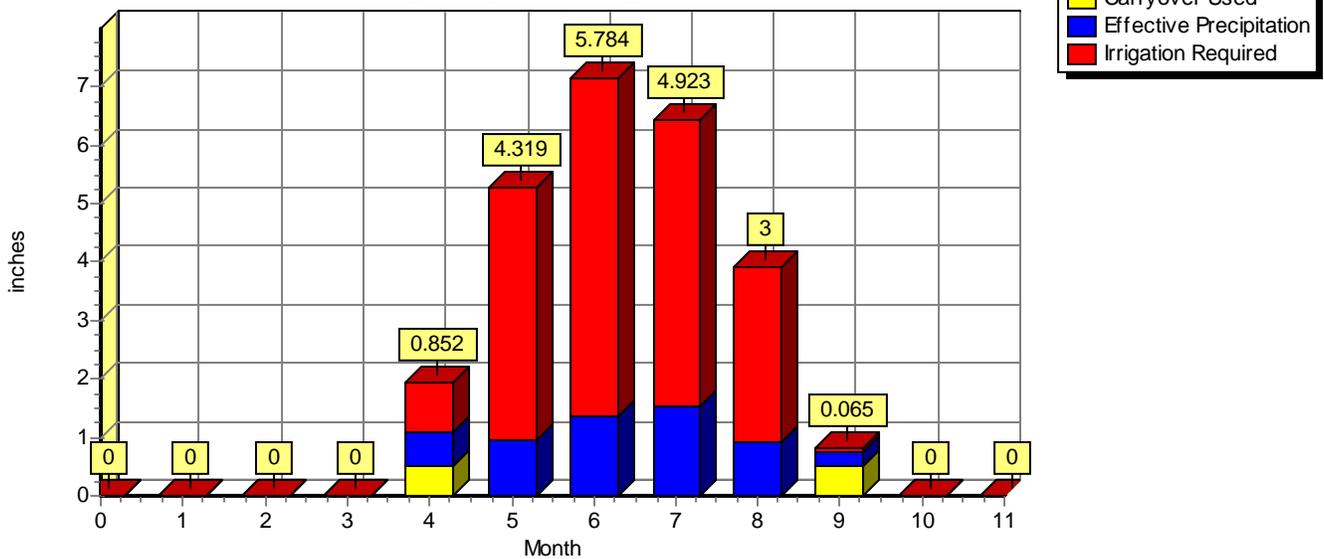
Estimated carryover moisture used at season:

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: Santa Rosa	Crop: Corn, grain
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 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: 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	2.41	0.61	1.30	0.79	1.12	0.08	
June	5.54	0.96	4.57	1.26	4.28	0.18	0.20
July	8.88	1.50	7.38	1.96	6.92	0.29	0.31
August	8.47	1.70	6.76	2.22	6.24	0.27	0.30
September	5.67	1.00	4.67	1.31	4.37	0.18	0.20
October	1.58	0.28	0.80	0.37	0.71	0.11	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	32.54	6.06	25.48	7.91	23.64		

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

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

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

Date: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

Crop: **Corn, grain**

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

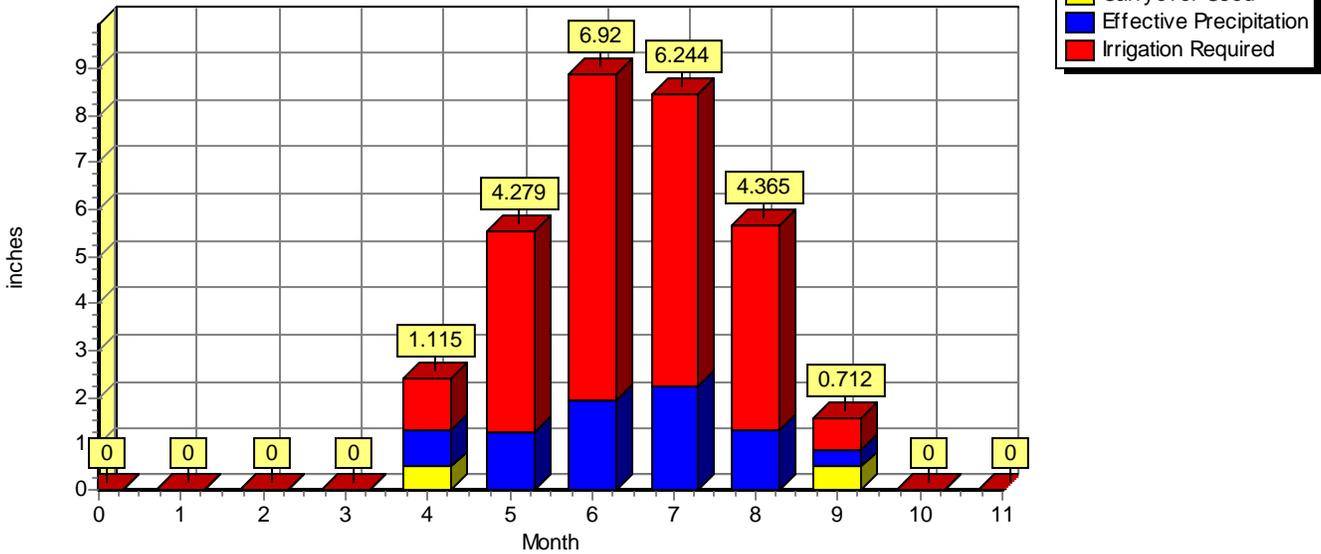
Begin Growth: **5/1** End Growth: **10/15**

Net irrigation application: **2** inches

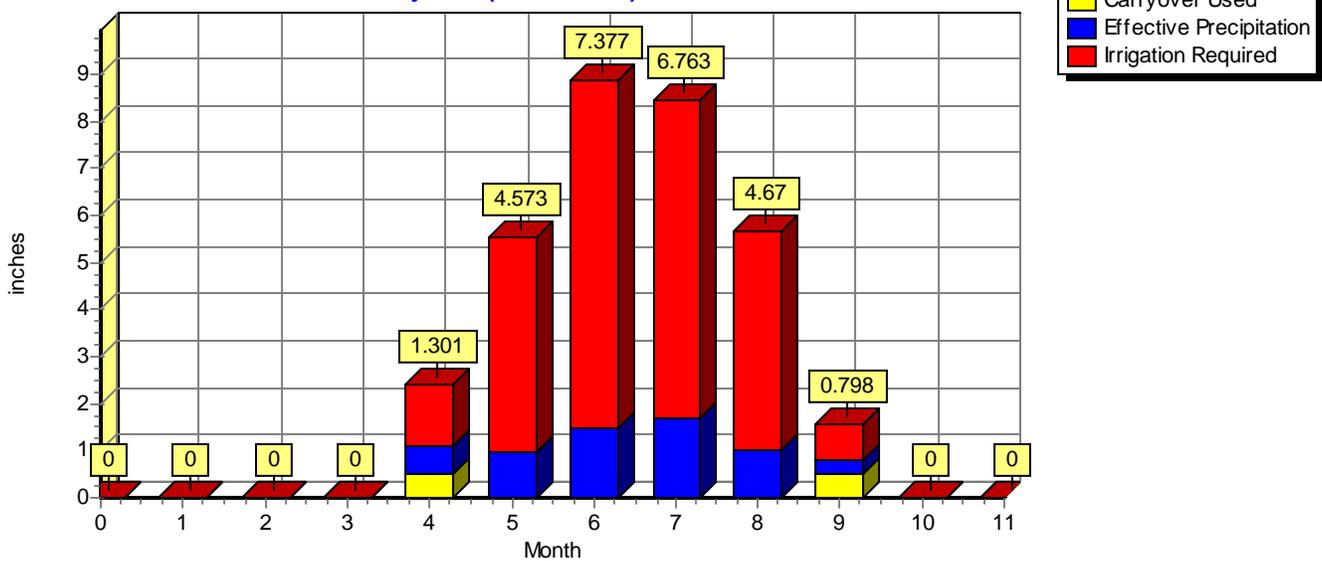
Estimated carryover moisture used at season:

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: Santa Rosa	Crop: Melons, spring
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 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: 5/10 End Growth: 9/20	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	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.00	0.00	0.00	0.00	0.00	0.00	
May	1.74	0.43	0.82	0.56	0.69	0.08	
June	4.98	0.94	4.04	1.22	3.76	0.17	0.18
July	7.13	1.36	5.77	1.78	5.35	0.23	0.25
August	6.12	1.50	4.63	1.95	4.17	0.20	0.22
September	2.75	0.60	1.65	0.78	1.47	0.14	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	22.72	4.82	16.91	6.28	15.44		

(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: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

Crop: **Melons, spring**

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

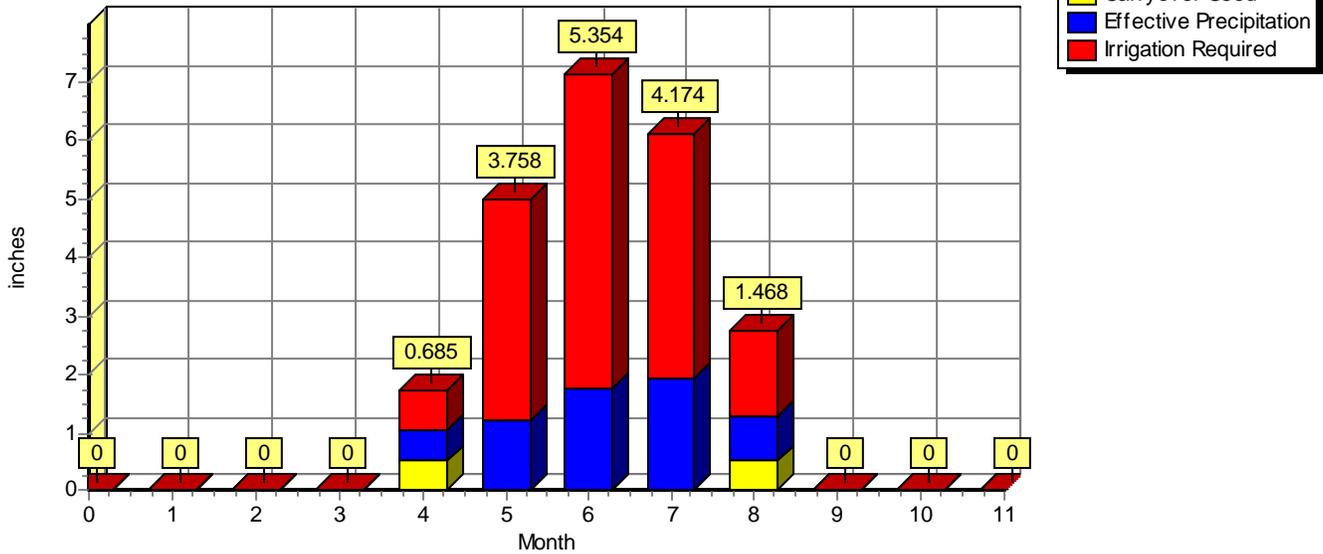
Begin Growth: **5/10** End Growth: **9/20**

Net irrigation application: **2** inches

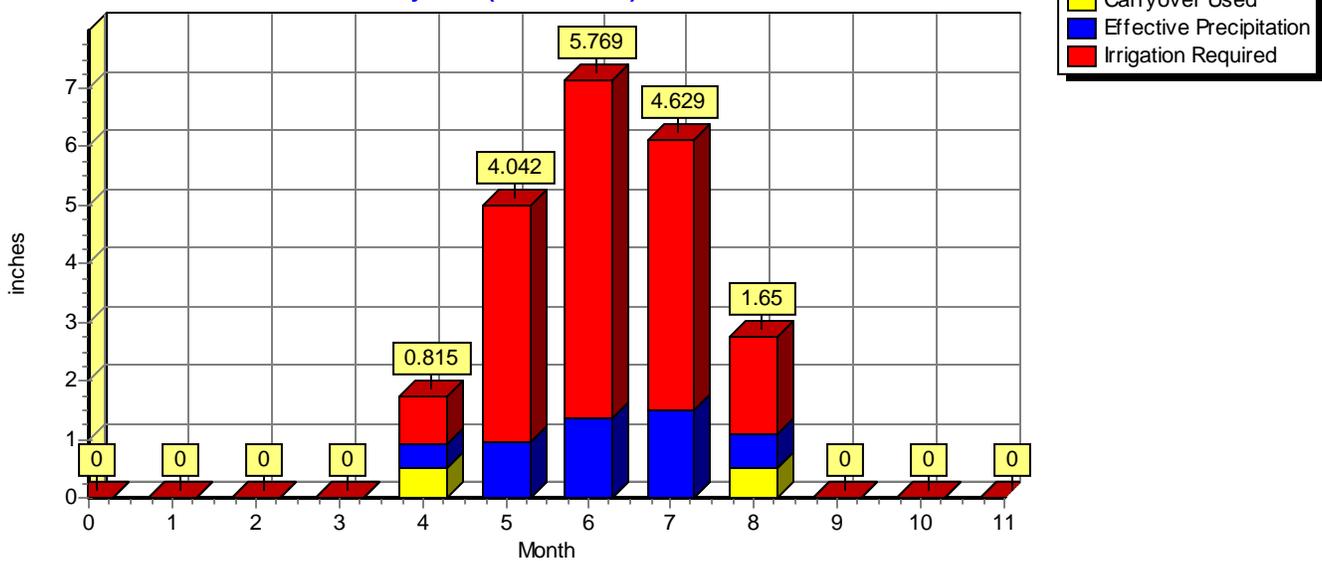
Estimated carryover moisture used at season:

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

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



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



Irrigation Water Requirements

Crop Data Summary

Job: Santa Rosa	Crop: Pasture, cool season grass
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 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: 4/1 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	0.00	0.00	0.00	0.00	0.00	0.00	
April	2.72	0.40	1.82	0.53	1.69	0.09	
May	5.38	0.74	4.64	0.97	4.41	0.17	0.19
June	7.35	1.07	6.28	1.39	5.95	0.24	0.27
July	8.21	1.45	6.77	1.89	6.33	0.26	0.29
August	7.20	1.59	5.61	2.07	5.13	0.23	0.25
September	5.02	0.97	4.05	1.26	3.76	0.16	0.18
October	2.92	0.57	2.33	0.75	2.10	0.09	0.10
November	0.66	0.18	0.00	0.24	0.00	0.04	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	39.46	6.97	31.50	9.09	29.37		

(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: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

Crop: **Pasture, cool season grass**

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

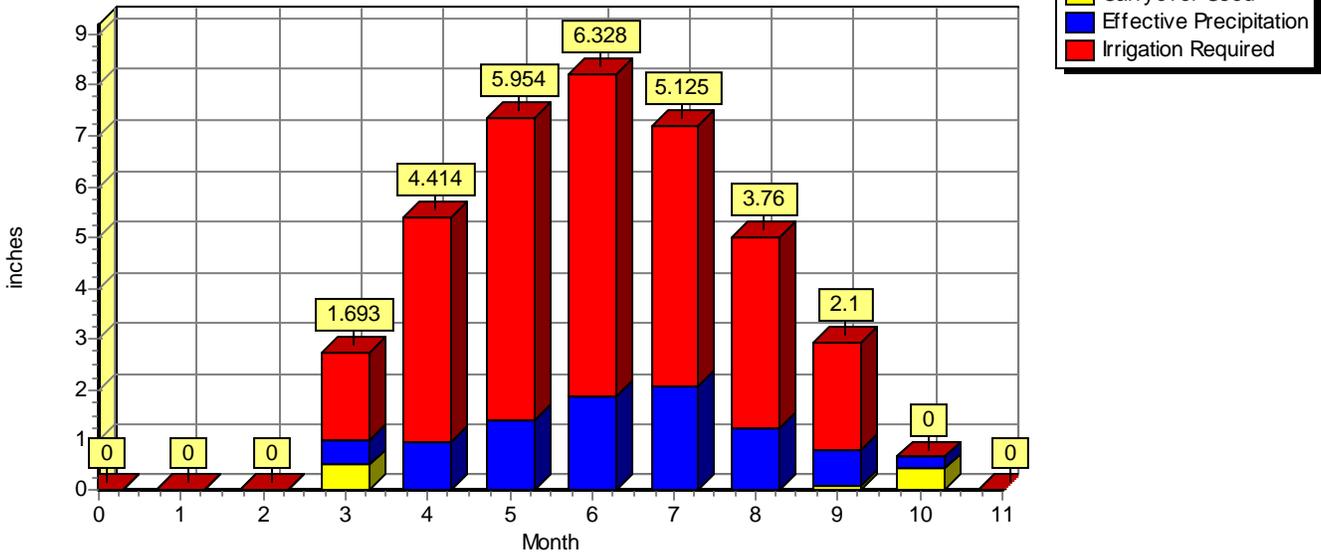
Begin Growth: **4/1** End Growth: **11/15**

Net irrigation application: **2** inches

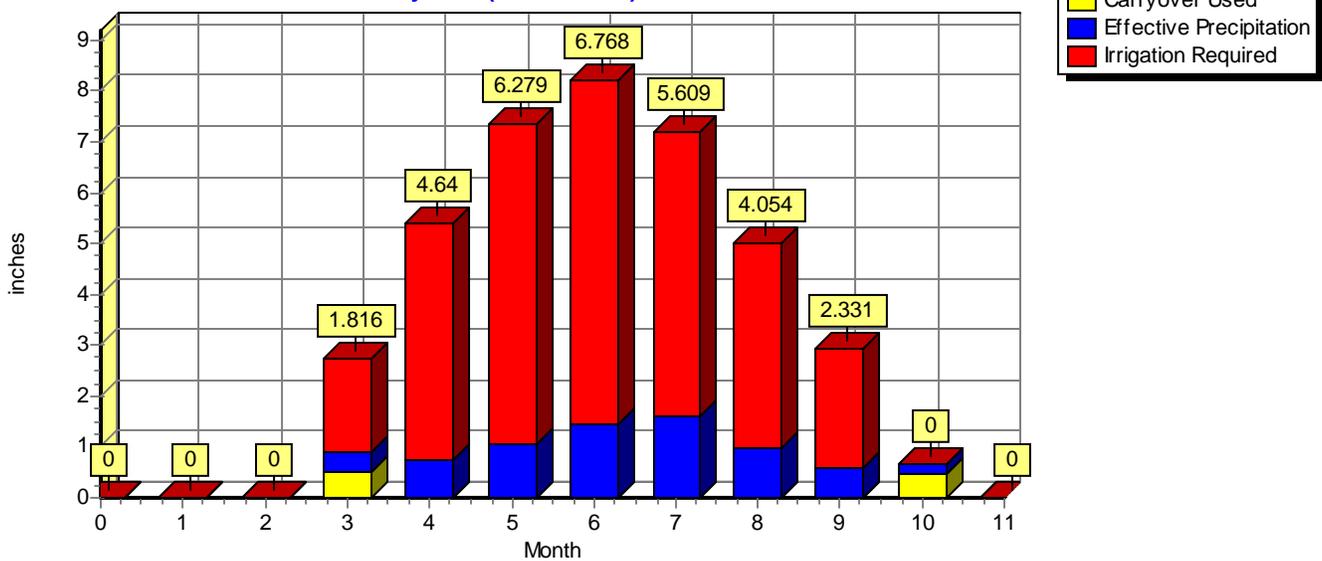
Estimated carryover moisture used at season:

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: Santa Rosa	Crop: Sorghum, grain
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 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: 5/15 End Growth: 10/30	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.00	0.00	0.00	0.00	0.00	0.00	
May	1.11	0.32	0.29	0.41	0.19	0.07	
June	4.48	0.91	3.57	1.19	3.30	0.15	0.16
July	8.35	1.46	6.89	1.90	6.45	0.27	0.29
August	8.34	1.69	6.64	2.21	6.13	0.27	0.29
September	5.00	0.96	4.04	1.26	3.75	0.16	0.18
October	2.32	0.54	1.28	0.70	1.12	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	29.59	5.88	22.72	7.67	20.93		

(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: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

Crop: **Sorghum, grain**

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

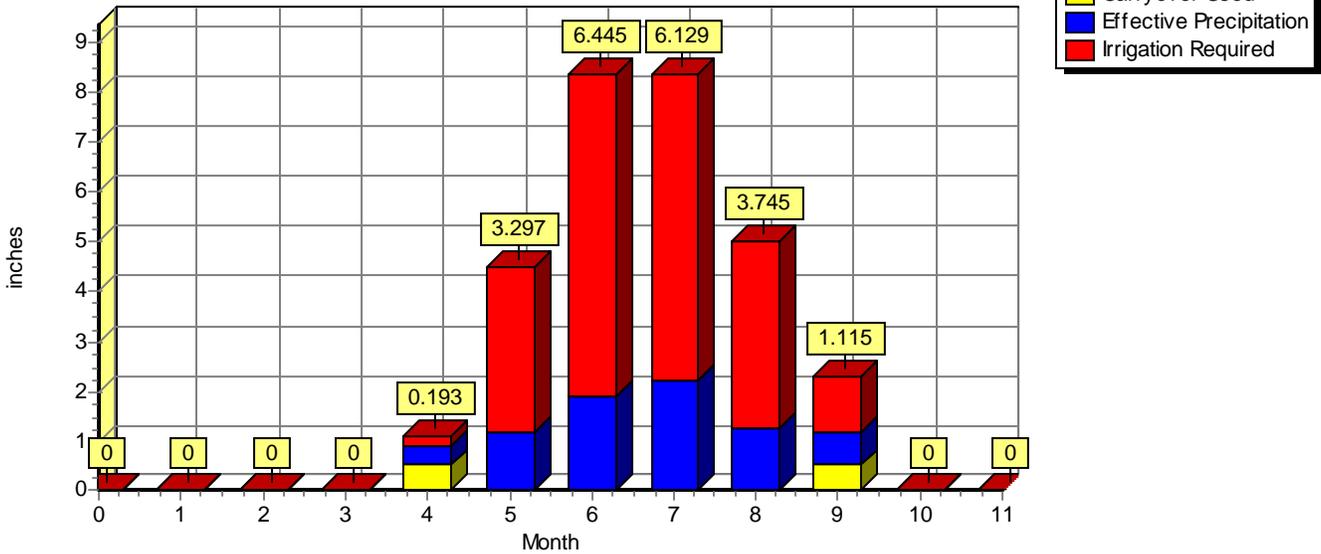
Begin Growth: **5/15** End Growth: **10/30**

Net irrigation application: **2** inches

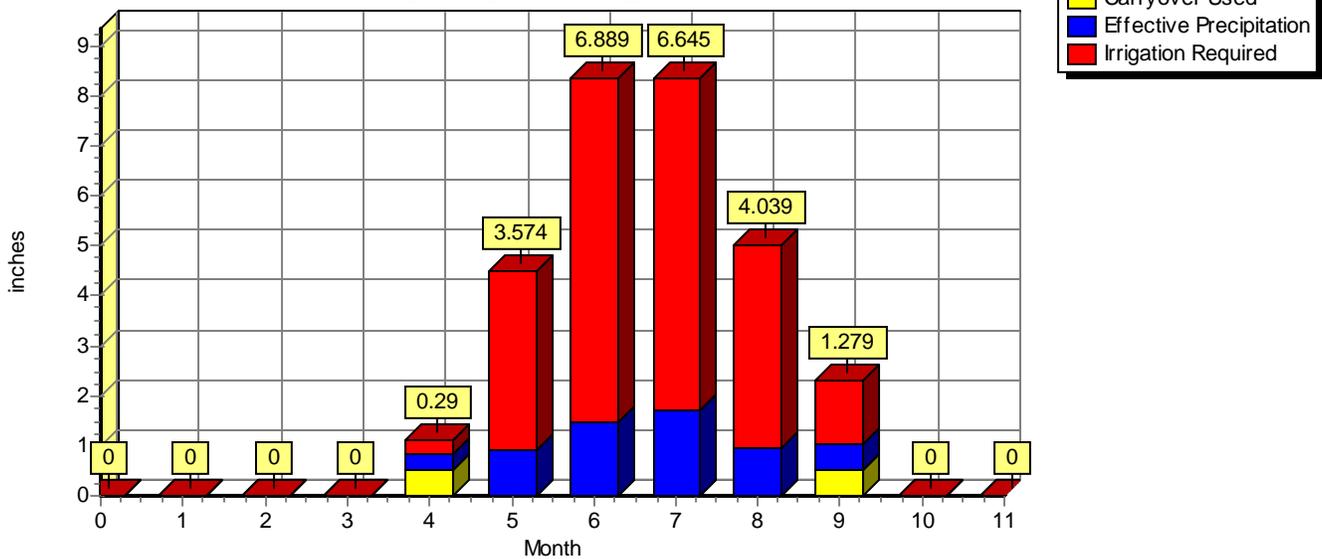
Estimated carryover moisture used at season:

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

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



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



Irrigation Water Requirements

Crop Data Summary

Job: Santa Rosa	Crop: Sorghum, silage
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 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: 5/15 End Growth: 9/15	Begin: 0.5 inches End: 0.5 inches

Month	Total Monthly ET (3) inches	Dry Year 80% Chance (1)		Normal Year 50% Chance (1)		Average Daily ETc inches	Peak Daily ETPk inches
		Effective Precipitation inches	Net Irrigation Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.00	0.00	0.00	0.00	0.00	0.00	
May	1.19	0.32	0.37	0.42	0.27	0.07	
June	5.68	0.97	4.70	1.27	4.41	0.19	0.21
July	9.34	1.54	7.80	2.01	7.33	0.30	0.33
August	6.63	1.54	5.09	2.01	4.62	0.21	0.23
September	1.72	0.43	0.79	0.56	0.66	0.11	
October	0.00	0.00	0.00	0.00	0.00	0.00	
November	0.00	0.00	0.00	0.00	0.00	0.00	
December	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	24.55	4.80	18.75	6.26	17.29		

(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: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

Crop: **Sorghum, silage**

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

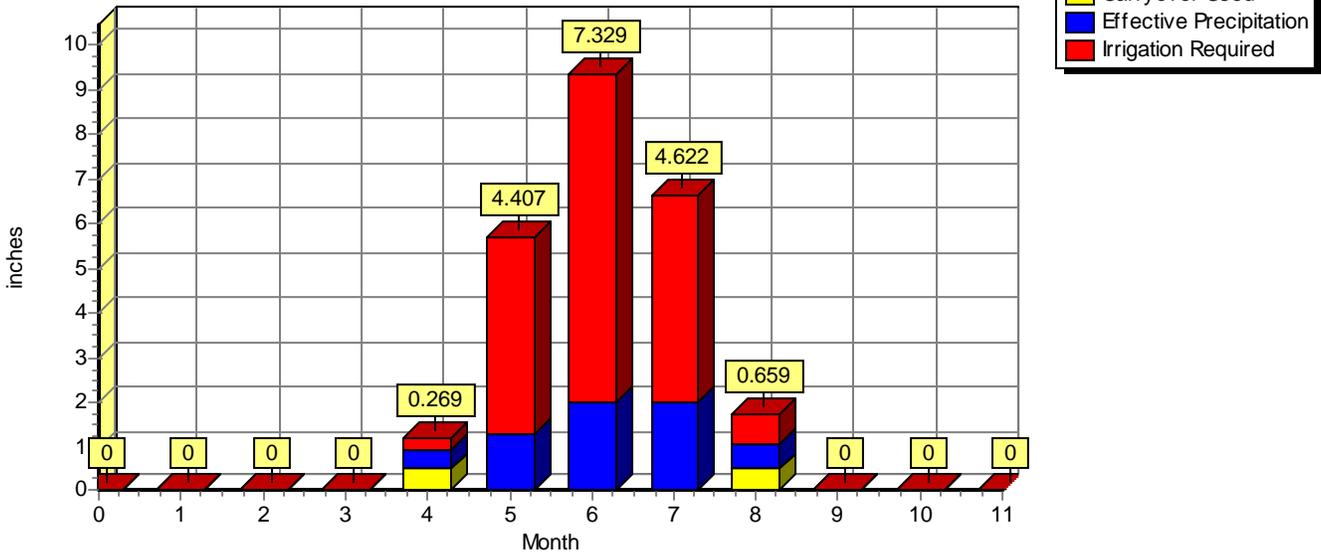
Begin Growth: **5/15** End Growth: **9/15**

Net irrigation application: **2** inches

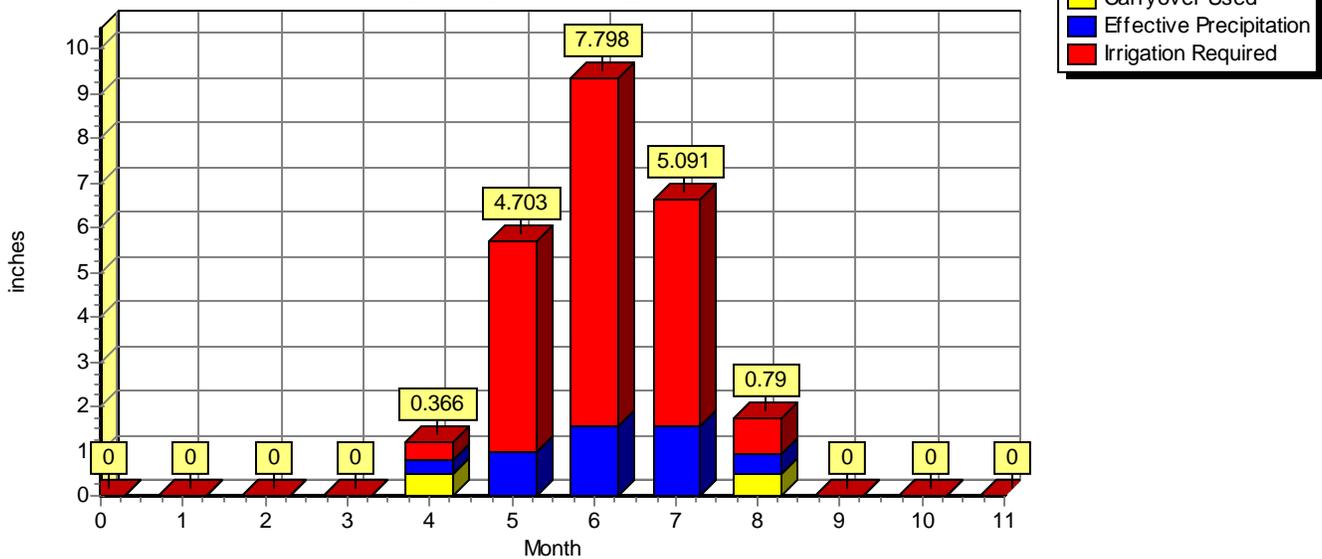
Estimated carryover moisture used at season:

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

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



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



Irrigation Water Requirements

Crop Data Summary

Job: Santa Rosa	Crop: Windbreak
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 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: 10/30	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	2.01	0.33	1.19	0.42	1.09	0.07	
May	5.17	0.62	4.55	0.80	4.37	0.17	0.19
June	7.63	0.91	6.72	1.19	6.44	0.25	0.29
July	8.43	1.23	7.20	1.60	6.83	0.27	0.31
August	6.44	1.28	5.16	1.67	4.77	0.21	0.24
September	3.14	0.73	2.41	0.95	2.19	0.10	0.12
October	1.06	0.42	0.14	0.55	0.01	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	33.88	5.50	27.37	7.18	25.70		

(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: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

Crop: **Windbreak**

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Perennial Crop**

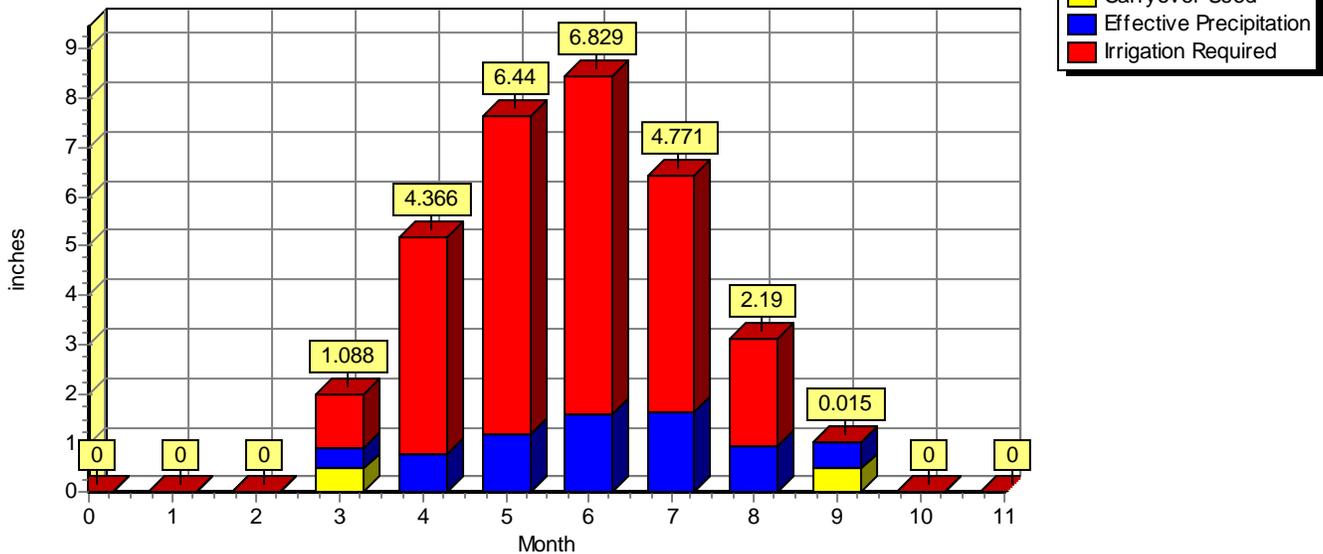
Begin Growth: **4/1** End Growth: **10/30**

Net irrigation application: **1** inches

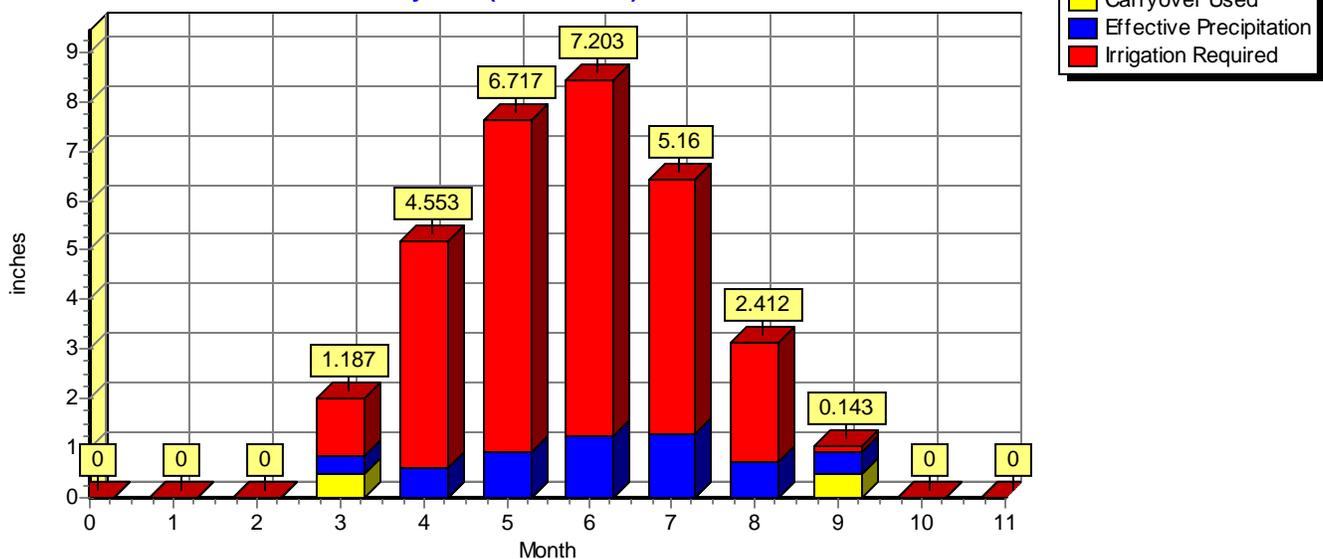
Estimated carryover moisture used at season:

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: Santa Rosa	Crop: Wheat, winter, grain
Location: Santa Rosa	County: Guadalupe, NM
By: MAS	Date: 7/28/05
Weather Station: SANTA ROSA	Sta No: NM8107
Latitude: 3457 Longitude: 10441	Elevation: 4620 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: 8/20 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	0.91	0.16	0.75	0.21	0.70	0.03	0.03
February	1.46	0.17	1.29	0.23	1.24	0.05	0.06
March	2.80	0.31	2.49	0.40	2.40	0.09	0.10
April	4.54	0.46	4.08	0.60	3.94	0.15	0.17
May	7.63	0.84	6.79	1.10	6.53	0.25	0.27
June	5.35	0.64	4.21	0.84	4.01	0.36	
July	0.00	0.00	0.00	0.00	0.00	0.00	
August	0.79	0.42	0.00	0.55	0.00	0.07	
September	1.94	0.81	1.00	1.06	0.62	0.06	0.07
October	1.62	0.53	1.09	0.69	0.92	0.05	0.06
November	1.09	0.36	0.72	0.47	0.61	0.04	0.04
December	0.83	0.30	0.53	0.40	0.44	0.03	0.03
TOTAL	28.98	5.03	22.95	6.56	21.42		

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

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

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

Date: 7/28/2005

Irrigation Water Requirements

Monthly Crop Water Requirements

Job: **Santa Rosa**

Crop: **Wheat, winter, grain**

Location: **Santa Rosa**

Date: **7/28/05**

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

Crop Curve: **Blaney Criddle Annual Crop**

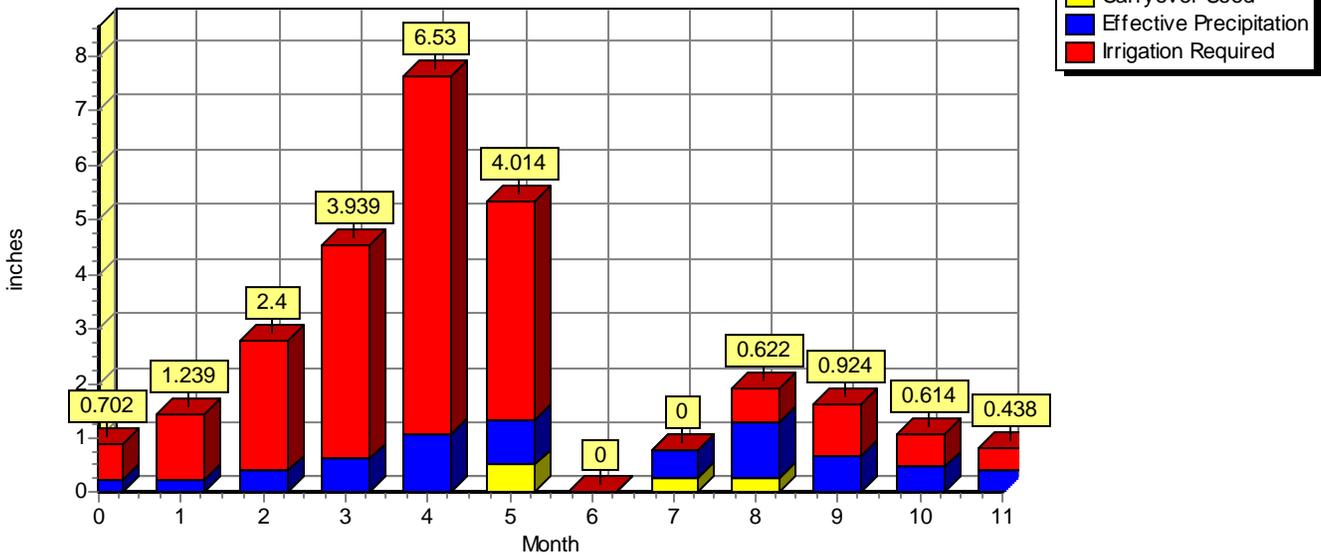
Begin Growth: **8/20** End Growth: **6/15**

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)**

