# Irrigation Water Requirements

## Crop Data Summaries

## Uinta County, Wyoming

**Figure 1 Evanston – Alfalfa Hay**

# Irrigation Water Requirements
## Crop Data Summary

Job: **Evanston**
Location: **Evanston**
By: **L Cornia**
Weather Station: **EVANSTON 1 E**
Latitude: **4116** Longitude: **11057**
Computation Method: **Blaney Criddle (TR21)**
Crop Curve: **Blaney Criddle Perennial Crop**
Begin Growth: **5/23** End Growth: **9/12**

Crop: **Alfalfa Hay**
County: **Uinta, WY**
Date: **01/17/07**
Sta No: **WY3100**
Elevation: **6810** feet above sea level

Net irrigation application: **2** inches
Estimated carryover moisture used at season:
Begin: **1** inches End: **1** inches

| Month | Total Monthly ET (3) inches | Dry Year 80% Chance (1) Effective Precipitation inches | Dry Year 80% Chance (1) Net Irrigation Reqirements inches (2) | Normal Year 50% Chance (1) Effective Precipitation inches | Normal Year 50% Chance (1) Net Irrigation Reqirements inches (2) | Average Daily ETc inches | Peak Daily ETPk inches |
|---|---|---|---|---|---|---|---|
| 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 | 1.27 | 0.16 | 0.11 | 0.23 | 0.04 | 0.14 | |
| June | 5.81 | 0.58 | 5.22 | 0.82 | 4.99 | 0.19 | 0.22 |
| July | 7.35 | 0.59 | 6.75 | 0.83 | 6.51 | 0.24 | 0.28 |
| August | 5.88 | 0.44 | 5.44 | 0.62 | 5.27 | 0.19 | 0.22 |
| September | 1.74 | 0.19 | 0.55 | 0.26 | 0.48 | 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** | **22.05** | **1.97** | **18.08** | **2.76** | **17.28** | | |

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

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

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

Date: 1/22/2007

**Figure 2 Evanston – Barley**

# Irrigation Water Requirements
## Crop Data Summary

Job: **Evanston**
Location: **Evanston**
By: **L Cornia**
Weather Station: **EVANSTON 1 E**
Latitude: **4116** Longitude: **11057**
Computation Method: **Blaney Criddle (TR21)**
Crop Curve: **Blaney Criddle Annual Crop**
Begin Growth: **5/6** End Growth: **8/29**

Crop: **Barley**
County: **Uinta, WY**
Date: **01/17/07**
Sta No: **WY3100**
Elevation: **6810** feet above sea level

Net irrigation application: **2** inches
Estimated carryover moisture used at season:
Begin: **1** inches End: **1** inches

| Month | Total Monthly ET (3) inches | Dry Year 80% Chance (1) Effective Precipitation inches | Dry Year 80% Chance (1) Net Irrigation Reqirements inches (2) | Normal Year 50% Chance (1) Effective Precipitation inches | Normal Year 50% Chance (1) Net Irrigation Reqirements inches (2) | Average Daily ETc inches | Peak Daily ETPk inches |
|---|---|---|---|---|---|---|---|
| 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 | 1.09 | 0.43 | 0.00 | 0.60 | 0.00 | 0.04 | |
| June | 5.47 | 0.57 | 4.56 | 0.80 | 4.15 | 0.18 | 0.20 |
| July | 7.77 | 0.61 | 7.16 | 0.85 | 6.92 | 0.25 | 0.30 |
| August | 2.01 | 0.33 | 0.68 | 0.47 | 0.54 | 0.07 | |
| 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** | **16.35** | **1.94** | **12.40** | **2.73** | **11.62** | | |

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

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

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

Date: 1/22/2007

**Figure 3 Evanston – Grass Hay**

# Irrigation Water Requirements
## Crop Data Summary

Job: **Evanston**
Location: **Evanston**
By: **L Cornia**
Weather Station: **EVANSTON 1 E**
Latitude: **4116** Longitude: **11057**
Computation Method: **Blaney Criddle (TR21)**
Crop Curve: **Blaney Criddle Perennial Crop**
Begin Growth: **5/6** End Growth: **10/9**

Crop: **Grass Hay**
County: **Uinta, WY**
Date: **01/17/07**
Sta No: **WY3100**
Elevation: **6810** feet above sea level

Net irrigation application: **2** inches
Estimated carryover moisture used at season:
Begin: **1** inches End: **1** inches

| Month | Total Monthly ET (3) inches | Dry Year 80% Chance (1) Effective Precipitation inches | Dry Year 80% Chance (1) Net Irrigation Reqirements inches (2) | Normal Year 50% Chance (1) Effective Precipitation inches | Normal Year 50% Chance (1) Net Irrigation Reqirements inches (2) | Average Daily ETc inches | Peak Daily ETPk inches |
|---|---|---|---|---|---|---|---|
| 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 | 1.94 | 0.45 | 0.48 | 0.64 | 0.30 | 0.07 | |
| June | 4.75 | 0.55 | 4.20 | 0.77 | 3.98 | 0.16 | 0.17 |
| July | 6.10 | 0.55 | 5.55 | 0.78 | 5.33 | 0.20 | 0.23 |
| August | 5.03 | 0.42 | 4.61 | 0.59 | 4.44 | 0.16 | 0.19 |
| September | 2.87 | 0.44 | 1.91 | 0.62 | 1.69 | 0.09 | 0.10 |
| October | 0.58 | 0.10 | 0.00 | 0.14 | 0.00 | 0.06 | |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| **TOTAL** | **21.27** | **2.52** | **16.75** | **3.54** | **15.73** | | |

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

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

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

Date: 1/22/2007

**Figure 4 Evanston – Oats**

# Irrigation Water Requirements
## Crop Data Summary

Job: **Evanston**
Location: **Evanston**
By: **L Cornia**
Weather Station: **EVANSTON 1 E**
Latitude: **4116** Longitude: **11057**
Computation Method: **Blaney Criddle (TR21)**
Crop Curve: **Blaney Criddle Annual Crop**
Begin Growth: **5/6** End Growth: **8/29**

Crop: **Oats**
County: **Uinta, WY**
Date: **01/17/07**
Sta No: **WY3100**
Elevation: **6810** feet above sea level

Net irrigation application: **2** inches
Estimated carryover moisture used at season:
Begin: **1** inches End: **1** 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 Reqirements inches (2) | Effective Precipitation inches | Net Irrigation Reqirements 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 | 1.09 | 0.43 | 0.00 | 0.60 | 0.00 | 0.04 | |
| June | 5.47 | 0.57 | 4.56 | 0.80 | 4.15 | 0.18 | 0.20 |
| July | 7.77 | 0.61 | 7.16 | 0.85 | 6.92 | 0.25 | 0.30 |
| August | 2.01 | 0.33 | 0.68 | 0.47 | 0.54 | 0.07 | |
| 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** | **16.35** | **1.94** | **12.40** | **2.73** | **11.62** | | |

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

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

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

Date: 1/22/2007

**Figure 5 Evanston – Pasture (grass)**

# Irrigation Water Requirements
## Crop Data Summary

Job: **Evanston**
Location: **Evanston**
By: **L Cornia**
Weather Station: **EVANSTON 1 E**
Latitude: **4116** Longitude: **11057**
Computation Method: **Blaney Criddle (TR21)**
Crop Curve: **Blaney Criddle Perennial Crop**
Begin Growth: **5/6** End Growth: **10/9**

Crop: **Pasture (grass)**
County: **Uinta, WY**
Date: **01/17/07**
Sta No: **WY3100**
Elevation: **6810** feet above sea level

Net irrigation application: **2** inches
Estimated carryover moisture used at season:
Begin: **1** inches End: **1** inches

| Month | Total Monthly ET (3) inches | Dry Year 80% Chance (1) Effective Precipitation inches | Dry Year 80% Chance (1) Net Irrigation Reqirements inches (2) | Normal Year 50% Chance (1) Effective Precipitation inches | Normal Year 50% Chance (1) Net Irrigation Reqirements inches (2) | Average Daily ETc inches | Peak Daily ETPk inches |
|---|---|---|---|---|---|---|---|
| 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 | 1.94 | 0.45 | 0.48 | 0.64 | 0.30 | 0.07 | |
| June | 4.75 | 0.55 | 4.20 | 0.77 | 3.98 | 0.16 | 0.17 |
| July | 6.10 | 0.55 | 5.55 | 0.78 | 5.33 | 0.20 | 0.23 |
| August | 5.03 | 0.42 | 4.61 | 0.59 | 4.44 | 0.16 | 0.19 |
| September | 2.87 | 0.44 | 1.91 | 0.62 | 1.69 | 0.09 | 0.10 |
| October | 0.58 | 0.10 | 0.00 | 0.14 | 0.00 | 0.06 | |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| **TOTAL** | **21.27** | **2.52** | **16.75** | **3.54** | **15.73** | | |

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

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

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

Date: 1/22/2007

**Figure 6 Mountain View – Alfalfa Hay**

# Irrigation Water Requirements
## Crop Data Summary

Job: **Mountain View**
Location: **Mountain View**
By: **L Cornia**
Weather Station: **MOUNTAIN VIEW**
Latitude: **4116** Longitude: **11021**
Computation Method: **Blaney Criddle (TR21)**
Crop Curve: **Blaney Criddle Perennial Crop**
Begin Growth: **5/21** End Growth: **9/17**

Crop: **Alfalfa Hay**
County: **Uinta, WY**
Date: **01/17/07**
Sta No: **WY6555**
Elevation: **6800** feet above sea level

Net irrigation application: **2** inches
Estimated carryover moisture used at season:
Begin: **1** inches End: **1** 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 Reqirements inches (2) | Effective Precipitation inches | Net Irrigation Reqirements 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 | 1.41 | 0.15 | 0.26 | 0.22 | 0.19 | 0.13 | |
| June | 5.30 | 0.49 | 4.81 | 0.71 | 4.59 | 0.18 | 0.20 |
| July | 6.86 | 0.47 | 6.39 | 0.68 | 6.18 | 0.22 | 0.26 |
| August | 5.77 | 0.42 | 5.35 | 0.61 | 5.16 | 0.19 | 0.22 |
| September | 2.07 | 0.23 | 0.84 | 0.33 | 0.74 | 0.12 | |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| **TOTAL** | **21.42** | **1.76** | **17.65** | **2.55** | **16.86** | | |

(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 moiature used at the end of the growing season.

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

Date: 1/22/2007

**Figure 7 Mountain View – Barley**

# Irrigation Water Requirements
## Crop Data Summary

Job: **Mountain View**
Location: **Mountain View**
By: **L Cornia**
Weather Station: **MOUNTAIN VIEW**
Latitude: **4116** Longitude: **11021**
Computation Method: **Blaney Criddle (TR21)**
Crop Curve: **Blaney Criddle Annual Crop**
Begin Growth: **5/5** End Growth: **9/5**

Crop: **Barley**
County: **Uinta, WY**
Date: **01/17/07**
Sta No: **WY6555**
Elevation: **6800** feet above sea level

Net irrigation application: **2** inches
Estimated carryover moisture used at season:
Begin: **1** inches End: **1** inches

| Month | Total Monthly ET (3) inches | Dry Year 80% Chance (1) Effective Precipitation inches | Dry Year 80% Chance (1) Net Irrigation Reqirements inches (2) | Normal Year 50% Chance (1) Effective Precipitation inches | Normal Year 50% Chance (1) Net Irrigation Reqirements inches (2) | Average Daily ETc inches | Peak Daily ETPk inches |
|---|---|---|---|---|---|---|---|
| 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 | 1.01 | 0.34 | 0.00 | 0.50 | 0.00 | 0.04 | |
| June | 4.86 | 0.48 | 4.06 | 0.69 | 3.69 | 0.16 | 0.18 |
| July | 7.58 | 0.49 | 7.09 | 0.71 | 6.87 | 0.24 | 0.29 |
| August | 2.80 | 0.36 | 1.46 | 0.52 | 1.29 | 0.09 | 0.10 |
| September | 0.02 | 0.02 | 0.00 | 0.02 | 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** | **16.29** | **1.68** | **12.60** | **2.43** | **11.85** | | |

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

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

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

Date: 1/22/2007

**Figure 8 Mountain View – Grass Hay**

# Irrigation Water Requirements
## Crop Data Summary

Job: **Mountain View**
Location: **Mountain View**
By: **L Cornia**
Weather Station: **MOUNTAIN VIEW**
Latitude: **4116** Longitude: **11021**
Computation Method: **Blaney Criddle (TR21)**
Crop Curve: **Blaney Criddle Perennial Crop**
Begin Growth: **5/5** End Growth: **10/9**

Crop: **Grass Hay**
County: **Uinta, WY**
Date: **01/17/07**
Sta No: **WY6555**
Elevation: **6800** feet above sea level

Net irrigation application: **2** inches
Estimated carryover moisture used at season:
Begin: **1** inches End: **1** inches

| Month | Total Monthly ET (3) inches | Dry Year 80% Chance (1) Effective Precipitation inches | Dry Year 80% Chance (1) Net Irrigation Reqirements inches (2) | Normal Year 50% Chance (1) Effective Precipitation inches | Normal Year 50% Chance (1) Net Irrigation Reqirements inches (2) | Average Daily ETc inches | Peak Daily ETPk inches |
|---|---|---|---|---|---|---|---|
| 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 | 1.82 | 0.36 | 0.45 | 0.52 | 0.29 | 0.07 | |
| June | 4.33 | 0.46 | 3.87 | 0.67 | 3.66 | 0.14 | 0.16 |
| July | 5.70 | 0.44 | 5.26 | 0.64 | 5.06 | 0.18 | 0.21 |
| August | 4.93 | 0.40 | 4.53 | 0.58 | 4.35 | 0.16 | 0.18 |
| September | 2.89 | 0.39 | 1.98 | 0.57 | 1.76 | 0.09 | 0.10 |
| October | 0.58 | 0.10 | 0.00 | 0.14 | 0.00 | 0.06 | |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| **TOTAL** | **20.24** | **2.16** | **16.09** | **3.12** | **15.12** | | |

(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 moiature used at the end of the growing season.

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

Date: 1/22/2007

**Figure 9 Mountain View – Oats**

# Irrigation Water Requirements
## Crop Data Summary

Job: **Mountain View**
Location: **Mountain View**
By: **L Cornia**
Weather Station: **MOUNTAIN VIEW**
Latitude: **4116** Longitude: **11021**
Computation Method: **Blaney Criddle (TR21)**
Crop Curve: **Blaney Criddle Annual Crop**
Begin Growth: **5/5** End Growth: **9/5**

Crop: **Oats**
County: **Uinta, WY**
Date: **01/17/07**
Sta No: **WY6555**
Elevation: **6800** feet above sea level

Net irrigation application: **2** inches
Estimated carryover moisture used at season:
Begin: **1** inches End: **1** inches

| Month | Total Monthly ET (3) inches | Dry Year 80% Chance (1) Effective Precipitation inches | Dry Year 80% Chance (1) Net Irrigation Reqirements inches (2) | Normal Year 50% Chance (1) Effective Precipitation inches | Normal Year 50% Chance (1) Net Irrigation Reqirements inches (2) | Average Daily ETc inches | Peak Daily ETPk inches |
|---|---|---|---|---|---|---|---|
| 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 | 1.01 | 0.34 | 0.00 | 0.50 | 0.00 | 0.04 | |
| June | 4.86 | 0.48 | 4.06 | 0.69 | 3.69 | 0.16 | 0.18 |
| July | 7.58 | 0.49 | 7.09 | 0.71 | 6.87 | 0.24 | 0.29 |
| August | 2.80 | 0.36 | 1.46 | 0.52 | 1.29 | 0.09 | 0.10 |
| September | 0.02 | 0.02 | 0.00 | 0.02 | 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** | **16.29** | **1.68** | **12.60** | **2.43** | **11.85** | | |

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

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

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

Date: 1/22/2007

**Figure 10 Mountain View – Pasture (grass)**

# Irrigation Water Requirements
## Crop Data Summary

Job: **Mountain View**
Location: **Mountain View**
By: **L Cornia**
Weather Station: **MOUNTAIN VIEW**
Latitude: **4116** Longitude: **11021**
Computation Method: **Blaney Criddle (TR21)**
Crop Curve: **Blaney Criddle Perennial Crop**
Begin Growth: **5/5** End Growth: **10/9**

Crop: **Pasture (grass)**
County: **Uinta, WY**
Date: **01/17/07**
Sta No: **WY6555**
Elevation: **6800** feet above sea level

Net irrigation application: **2** inches
Estimated carryover moisture used at season:
Begin: **1** inches End: **1** 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 Reqirements inches (2) | Effective Precipitation inches | Net Irrigation Reqirements 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 | 1.82 | 0.36 | 0.45 | 0.52 | 0.29 | 0.07 | |
| June | 4.33 | 0.46 | 3.87 | 0.67 | 3.66 | 0.14 | 0.16 |
| July | 5.70 | 0.44 | 5.26 | 0.64 | 5.06 | 0.18 | 0.21 |
| August | 4.93 | 0.40 | 4.53 | 0.58 | 4.35 | 0.16 | 0.18 |
| September | 2.89 | 0.39 | 1.98 | 0.57 | 1.76 | 0.09 | 0.10 |
| October | 0.58 | 0.10 | 0.00 | 0.14 | 0.00 | 0.06 | |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| **TOTAL** | **20.24** | **2.16** | **16.09** | **3.12** | **15.12** | | |

(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 moiature used at the end of the growing season.

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

Date: 1/22/2007