

Irrigation Water Requirements

Crop Data Summaries

Goshen County, Wyoming

La Grange – Alfalfa Hay	2
La Grange – Barley	3
La Grange – Corn, Grain	4
La Grange – Corn, Silage	5
La Grange – Dry beans.....	6
La Grange – Grass Hay	7
La Grange – Oats.....	8
La Grange – Pasture (grass)	9
La Grange – Sugar beet.....	10
Torrington – Alfalfa Hay.....	11
Torrington - Barley.....	12
Torrington – Corn, Grain.....	13
Torrington – Corn, Silage.....	14
Torrington – Dry beans	15
Torrington – Grass Hay.....	16
Torrington – Oats	17
Torrington – Pasture (grass).....	18
Torrington – Sugar beet.....	19
Yoder – Alfalfa Hay	20
Yoder – Barley	21
Yoder – Corn, Grain.....	22
Yoder – Corn, Silage	23
Yoder – Dry beans.....	24
Yoder – Grass Hay	25
Yoder – Oats	26
Yoder – Pasture (grass)	27
Yoder – Sugar beet.....	28

Irrigation Water Requirements Crop Data Summary

Job: La Grange	Crop: Alfalfa Hay
Location: La Grange	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: LA GRANGE	Sta No: WY5260
Latitude: 4138 Longitude: 10410	Elevation: 4590 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: 5/1 End Growth: 9/27	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 Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.00	0.00	0.00	0.00	0.00	0.00	
May	3.21	1.25	0.95	1.63	0.58	0.10	
June	6.75	1.31	5.43	1.70	5.04	0.22	0.26
July	8.66	1.36	7.29	1.76	6.89	0.28	0.34
August	7.14	0.79	6.35	1.02	6.12	0.23	0.27
September	3.58	0.53	2.05	0.69	1.90	0.13	
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	29.33	5.24	22.08	6.80	20.53		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: La Grange	Crop: Barley
Location: La Grange	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: LA GRANGE	Sta No: WY5260
Latitude: 4138 Longitude: 10410	Elevation: 4590 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: 4/15 End Growth: 8/23	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 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	0.44	0.30	0.00	0.39	0.00	0.03	
May	3.16	1.29	1.00	1.68	0.53	0.10	0.11
June	7.47	1.37	6.10	1.77	5.69	0.25	0.29
July	7.58	1.28	6.16	1.66	5.65	0.24	0.29
August	1.29	0.43	0.00	0.56	0.00	0.06	
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	19.93	4.67	13.26	6.06	11.87		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: La Grange	Crop: Corn, Grain
Location: La Grange	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: LA GRANGE	Sta No: WY5260
Latitude: 4138 Longitude: 10410	Elevation: 4590 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: 5/17 End Growth: 9/18	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 Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
January	0.00	0.00	0.00	0.00	0.00	0.00	
February	0.00	0.00	0.00	0.00	0.00	0.00	
March	0.00	0.00	0.00	0.00	0.00	0.00	
April	0.00	0.00	0.00	0.00	0.00	0.00	
May	1.02	0.55	0.00	0.71	0.00	0.07	
June	3.91	1.12	2.25	1.45	1.76	0.13	0.14
July	7.92	1.31	6.62	1.69	6.23	0.26	0.30
August	6.92	0.78	6.14	1.01	5.91	0.22	0.26
September	2.33	0.35	0.98	0.45	0.88	0.13	
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	22.10	4.11	16.00	5.32	14.78		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: La Grange	Crop: Corn, Silage
Location: La Grange	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: LA GRANGE	Sta No: WY5260
Latitude: 4138 Longitude: 10410	Elevation: 4590 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: 5/17 End Growth: 9/18	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 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	0.99	0.55	0.00	0.71	0.00	0.07	
June	3.57	1.10	1.91	1.43	1.42	0.12	0.13
July	7.34	1.27	6.08	1.64	5.70	0.24	0.28
August	7.17	0.79	6.38	1.02	6.15	0.23	0.27
September	2.59	0.36	1.23	0.47	1.12	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	21.66	4.06	15.60	5.26	14.40		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: La Grange	Crop: Dry beans
Location: La Grange	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: LA GRANGE	Sta No: WY5260
Latitude: 4138 Longitude: 10410	Elevation: 4590 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: 1 inches End: 1 inches
Begin Growth: 6/1 End Growth: 9/9	

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	3.00	1.03	0.97	1.33	0.67	0.10	
July	8.16	1.32	6.84	1.72	6.45	0.26	0.31
August	6.07	0.74	5.19	0.96	4.92	0.20	0.23
September	1.03	0.17	0.00	0.22	0.00	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	18.27	3.27	13.00	4.23	12.03		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: La Grange	Crop: Grass Hay
Location: La Grange	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: LA GRANGE	Sta No: WY5260
Latitude: 4138 Longitude: 10410	Elevation: 4590 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: 1 inches End: 1 inches
Begin Growth: 4/15 End Growth: 10/22	

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	0.98	0.41	0.00	0.53	0.00	0.06	
May	3.51	1.32	1.77	1.71	1.26	0.11	0.13
June	5.52	1.23	4.29	1.59	3.93	0.18	0.21
July	7.19	1.25	5.94	1.63	5.57	0.23	0.27
August	6.10	0.74	5.35	0.96	5.13	0.20	0.23
September	3.46	0.59	2.87	0.76	2.69	0.11	0.12
October	1.36	0.29	0.07	0.37	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	28.12	5.82	20.30	7.54	18.58		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: La Grange	Crop: Oats
Location: La Grange	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: LA GRANGE	Sta No: WY5260
Latitude: 4138 Longitude: 10410	Elevation: 4590 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: 1 inches End: 1 inches
Begin Growth: 4/15 End Growth: 8/23	

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	0.44	0.30	0.00	0.39	0.00	0.03	
May	3.16	1.29	1.00	1.68	0.53	0.10	0.11
June	7.47	1.37	6.10	1.77	5.69	0.25	0.29
July	7.58	1.28	6.16	1.66	5.65	0.24	0.29
August	1.29	0.43	0.00	0.56	0.00	0.06	
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	19.93	4.67	13.26	6.06	11.87		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: La Grange	Crop: Pasture (grass)
Location: La Grange	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: LA GRANGE	Sta No: WY5260
Latitude: 4138 Longitude: 10410	Elevation: 4590 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: 1 inches End: 1 inches
Begin Growth: 4/15 End Growth: 10/22	

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	Net Irrigation Requirements	Effective Precipitation	Net Irrigation Requirements		
		inches	inches (2)	inches	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	0.98	0.41	0.00	0.53	0.00	0.06	
May	3.51	1.32	1.77	1.71	1.26	0.11	0.13
June	5.52	1.23	4.29	1.59	3.93	0.18	0.21
July	7.19	1.25	5.94	1.63	5.57	0.23	0.27
August	6.10	0.74	5.35	0.96	5.13	0.20	0.23
September	3.46	0.59	2.87	0.76	2.69	0.11	0.12
October	1.36	0.29	0.07	0.37	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	28.12	5.82	20.30	7.54	18.58		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: La Grange	Crop: Sugar beet
Location: La Grange	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: LA GRANGE	Sta No: WY5260
Latitude: 4138 Longitude: 10410	Elevation: 4590 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: 5/9 End Growth: 9/18	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 Requirements inches (2)	Effective Precipitation inches	Net Irrigation Requirements inches (2)		
		January	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	1.17	0.82	0.00	1.07	0.00	0.05	
June	4.61	1.17	2.79	1.51	2.20	0.15	0.17
July	8.73	1.37	7.36	1.77	6.96	0.28	0.34
August	8.24	0.84	7.40	1.08	7.15	0.27	0.32
September	2.84	0.37	1.47	0.48	1.36	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	25.58	4.56	19.02	5.91	17.67		

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

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

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

Date: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Torrington	Crop: Alfalfa Hay
Location: Torrington	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: TORRINGTON EXP FARM	Sta No: WY8995
Latitude: 4205 Longitude: 10413	Elevation: 4100 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: 4/25 End Growth: 9/27	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 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	0.49	0.12	0.00	0.16	0.00	0.08	
May	3.76	0.99	2.14	1.31	1.77	0.12	0.14
June	6.33	0.76	5.57	1.01	5.32	0.21	0.24
July	8.35	0.63	7.73	0.83	7.52	0.27	0.32
August	6.93	0.47	6.45	0.63	6.30	0.22	0.26
September	3.43	0.44	1.99	0.59	1.85	0.13	
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	29.29	3.41	23.88	4.53	22.75		

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

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

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

Date: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Torrington	Crop: Barley
Location: Torrington	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: TORRINGTON EXP FARM	Sta No: WY8995
Latitude: 4205 Longitude: 10413	Elevation: 4100 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: 4/9 End Growth: 8/17	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 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	0.40	0.27	0.00	0.36	0.00	0.02	
May	3.18	0.96	1.35	1.27	0.95	0.10	0.11
June	7.13	0.79	6.34	1.06	6.08	0.24	0.27
July	6.20	0.56	5.09	0.74	4.85	0.20	0.23
August	0.63	0.19	0.00	0.25	0.00	0.04	
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	17.54	2.76	12.78	3.67	11.87		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Torrington	Crop: Corn, Grain
Location: Torrington	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: TORRINGTON EXP FARM	Sta No: WY8995
Latitude: 4205 Longitude: 10413	Elevation: 4100 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: 5/11 End Growth: 9/19	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 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	0.92	0.56	0.00	0.74	0.00	0.04	
June	3.93	0.66	2.63	0.88	2.22	0.13	0.14
July	7.79	0.61	7.19	0.81	6.98	0.25	0.30
August	6.70	0.47	6.24	0.62	6.08	0.22	0.25
September	2.36	0.31	1.05	0.41	0.95	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	21.70	2.60	17.10	3.46	16.24		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Torrington	Crop: Corn, Silage
Location: Torrington	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: TORRINGTON EXP FARM	Sta No: WY8995
Latitude: 4205 Longitude: 10413	Elevation: 4100 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: 5/11 End Growth: 9/19	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 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	0.89	0.56	0.00	0.74	0.00	0.04	
June	3.55	0.65	2.23	0.86	1.83	0.12	0.13
July	7.29	0.59	6.70	0.79	6.50	0.24	0.28
August	6.96	0.47	6.49	0.63	6.33	0.22	0.26
September	2.62	0.32	1.31	0.42	1.20	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	21.30	2.59	16.72	3.44	15.87		

(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: 1/22/2007

Figure 14 Torrington – Dry beans

Irrigation Water Requirements Crop Data Summary

Job: Torrington	Crop: Dry beans
Location: Torrington	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: TORRINGTON EXP FARM	Sta No: WY8995
Latitude: 4205 Longitude: 10413	Elevation: 4100 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: 5/27 End Growth: 9/4	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 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	0.31	0.12	0.00	0.15	0.00	0.06	
June	3.88	0.66	2.42	0.88	2.16	0.13	0.14
July	8.06	0.62	7.45	0.82	7.24	0.26	0.31
August	5.47	0.43	4.41	0.58	4.24	0.18	0.20
September	0.44	0.06	0.00	0.08	0.00	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	18.16	1.89	14.27	2.52	13.65		

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

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

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

Date: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Torrington	Crop: Grass Hay
Location: Torrington	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: TORRINGTON EXP FARM	Sta No: WY8995
Latitude: 4205 Longitude: 10413	Elevation: 4100 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: 1 inches End: 1 inches
Begin Growth: 4/9 End Growth: 10/23	

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	0.47	0.00	0.62	0.00	0.04	
May	3.12	0.95	1.49	1.27	1.02	0.10	0.11
June	5.17	0.71	4.46	0.95	4.23	0.17	0.19
July	6.94	0.58	6.36	0.77	6.17	0.22	0.26
August	5.92	0.45	5.47	0.59	5.32	0.19	0.22
September	3.31	0.49	2.72	0.65	2.43	0.11	0.12
October	1.29	0.39	0.00	0.52	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	26.54	4.04	20.50	5.37	19.17		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Torrington	Crop: Oats
Location: Torrington	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: TORRINGTON EXP FARM	Sta No: WY8995
Latitude: 4205 Longitude: 10413	Elevation: 4100 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: 4/9 End Growth: 8/17	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 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	0.40	0.27	0.00	0.36	0.00	0.02	
May	3.18	0.96	1.35	1.27	0.95	0.10	0.11
June	7.13	0.79	6.34	1.06	6.08	0.24	0.27
July	6.20	0.56	5.09	0.74	4.85	0.20	0.23
August	0.63	0.19	0.00	0.25	0.00	0.04	
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	17.54	2.76	12.78	3.67	11.87		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Torrington	Crop: Pasture (grass)
Location: Torrington	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: TORRINGTON EXP FARM	Sta No: WY8995
Latitude: 4205 Longitude: 10413	Elevation: 4100 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: 4/9 End Growth: 10/23	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 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	0.47	0.00	0.62	0.00	0.04	
May	3.12	0.95	1.49	1.27	1.02	0.10	0.11
June	5.17	0.71	4.46	0.95	4.23	0.17	0.19
July	6.94	0.58	6.36	0.77	6.17	0.22	0.26
August	5.92	0.45	5.47	0.59	5.32	0.19	0.22
September	3.31	0.49	2.72	0.65	2.43	0.11	0.12
October	1.29	0.39	0.00	0.52	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	26.54	4.04	20.50	5.37	19.17		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Torrington	Crop: Sugar beet
Location: Torrington	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: TORRINGTON EXP FARM	Sta No: WY8995
Latitude: 4205 Longitude: 10413	Elevation: 4100 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: 1 inches End: 1 inches
Begin Growth: 4/30 End Growth: 9/19	

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	0.04	0.00	0.00	0.00	0.00	0.04	
May	1.83	0.89	0.00	1.18	0.00	0.06	0.06
June	4.71	0.69	3.99	0.92	3.47	0.16	0.17
July	8.66	0.64	8.02	0.85	7.81	0.28	0.34
August	7.98	0.50	7.48	0.66	7.32	0.26	0.31
September	2.88	0.33	1.55	0.43	1.44	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	26.09	3.04	21.05	4.05	20.05		

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

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

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

Date: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Yoder	Crop: Alfalfa Hay
Location: Yoder	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: YODER 4 SW	Sta No: WY9925
Latitude: 4152 Longitude: 10421	Elevation: 4320 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: 4/26 End Growth: 9/27	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 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	0.41	0.10	0.00	0.13	0.00	0.08	
May	3.76	0.99	2.08	1.31	1.73	0.12	0.14
June	6.33	0.76	5.57	1.01	5.32	0.21	0.24
July	8.35	0.63	7.73	0.83	7.52	0.27	0.32
August	6.93	0.47	6.45	0.63	6.30	0.22	0.26
September	3.43	0.44	1.99	0.59	1.85	0.13	
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	29.21	3.38	23.82	4.50	22.71		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Yoder	Crop: Barley
Location: Yoder	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: YODER 4 SW	Sta No: WY9925
Latitude: 4152 Longitude: 10421	Elevation: 4320 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: 4/10 End Growth: 8/18	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 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	0.38	0.26	0.00	0.34	0.00	0.02	
May	3.12	0.95	1.29	1.27	0.89	0.10	0.11
June	7.12	0.79	6.33	1.05	6.07	0.24	0.27
July	6.40	0.56	5.36	0.75	5.10	0.21	0.24
August	0.72	0.20	0.00	0.26	0.00	0.04	
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	17.74	2.76	12.97	3.68	12.06		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Yoder	Crop: Corn, Grain
Location: Yoder	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: YODER 4 SW	Sta No: WY9925
Latitude: 4152 Longitude: 10421	Elevation: 4320 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: 5/12 End Growth: 9/18	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 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	0.89	0.53	0.00	0.71	0.00	0.04	
June	3.90	0.66	2.60	0.88	2.20	0.13	0.14
July	7.78	0.61	7.17	0.81	6.97	0.25	0.30
August	6.69	0.46	6.22	0.62	6.07	0.22	0.25
September	2.24	0.29	0.94	0.39	0.84	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	21.49	2.56	16.94	3.40	16.09		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Yoder	Crop: Corn, Silage
Location: Yoder	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: YODER 4 SW	Sta No: WY9925
Latitude: 4152 Longitude: 10421	Elevation: 4320 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: 1 inches End: 1 inches
Begin Growth: 5/12 End Growth: 9/18	

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	0.86	0.53	0.00	0.70	0.00	0.04	
June	3.52	0.65	2.21	0.86	1.82	0.12	0.13
July	7.28	0.59	6.69	0.79	6.49	0.23	0.28
August	6.96	0.47	6.48	0.63	6.33	0.22	0.26
September	2.49	0.30	1.18	0.40	1.09	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	21.10	2.54	16.56	3.38	15.72		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Yoder	Crop: Dry beans
Location: Yoder	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: YODER 4 SW	Sta No: WY9925
Latitude: 4152 Longitude: 10421	Elevation: 4320 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: 5/28 End Growth: 9/5	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 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	0.25	0.09	0.00	0.11	0.00	0.06	
June	3.79	0.66	2.30	0.88	2.05	0.13	0.14
July	8.04	0.62	7.42	0.82	7.22	0.26	0.31
August	5.55	0.44	4.59	0.58	4.42	0.18	0.21
September	0.55	0.08	0.00	0.11	0.00	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	18.19	1.88	14.31	2.50	13.69		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Yoder	Crop: Grass Hay
Location: Yoder	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: YODER 4 SW	Sta No: WY9925
Latitude: 4152 Longitude: 10421	Elevation: 4320 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: 1 inches End: 1 inches
Begin Growth: 4/10 End Growth: 10/25	

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	0.77	0.45	0.00	0.60	0.00	0.04	
May	3.12	0.95	1.50	1.27	1.03	0.10	0.11
June	5.17	0.71	4.46	0.95	4.23	0.17	0.19
July	6.94	0.58	6.36	0.77	6.17	0.22	0.26
August	5.92	0.45	5.47	0.59	5.32	0.19	0.22
September	3.31	0.49	2.76	0.65	2.46	0.11	0.12
October	1.36	0.42	0.00	0.56	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	26.60	4.05	20.55	5.39	19.22		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Yoder	Crop: Oats
Location: Yoder	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: YODER 4 SW	Sta No: WY9925
Latitude: 4152 Longitude: 10421	Elevation: 4320 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: 4/10 End Growth: 8/18	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 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	0.38	0.26	0.00	0.34	0.00	0.02	
May	3.12	0.95	1.29	1.27	0.89	0.10	0.11
June	7.12	0.79	6.33	1.05	6.07	0.24	0.27
July	6.40	0.56	5.36	0.75	5.10	0.21	0.24
August	0.72	0.20	0.00	0.26	0.00	0.04	
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	17.74	2.76	12.97	3.68	12.06		

(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: 1/22/2007

Figure 26 Yoder – Pasture (grass)

Irrigation Water Requirements Crop Data Summary

Job: Yoder	Crop: Pasture (grass)
Location: Yoder	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: YODER 4 SW	Sta No: WY9925
Latitude: 4152 Longitude: 10421	Elevation: 4320 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: 1 inches End: 1 inches
Begin Growth: 4/10 End Growth: 10/25	

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	0.77	0.45	0.00	0.60	0.00	0.04	
May	3.12	0.95	1.50	1.27	1.03	0.10	0.11
June	5.17	0.71	4.46	0.95	4.23	0.17	0.19
July	6.94	0.58	6.36	0.77	6.17	0.22	0.26
August	5.92	0.45	5.47	0.59	5.32	0.19	0.22
September	3.31	0.49	2.76	0.65	2.46	0.11	0.12
October	1.36	0.42	0.00	0.56	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	26.60	4.05	20.55	5.39	19.22		

(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: 1/22/2007

Irrigation Water Requirements Crop Data Summary

Job: Yoder	Crop: Sugar beet
Location: Yoder	County: Goshen, WY
By: L Cornia	Date: 01/17/07
Weather Station: YODER 4 SW	Sta No: WY9925
Latitude: 4152 Longitude: 10421	Elevation: 4320 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: 5/7 End Growth: 9/18	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 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	1.08	0.67	0.00	0.89	0.00	0.04	
June	4.41	0.68	3.14	0.91	2.70	0.15	0.16
July	8.49	0.63	7.86	0.84	7.65	0.27	0.33
August	7.99	0.50	7.49	0.66	7.32	0.26	0.31
September	2.72	0.31	1.42	0.41	1.31	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	24.69	2.79	19.90	3.71	18.98		

(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: 1/22/2007