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Weather Station 7 NE of Center

Growing Degree-days for small grains(32d) planted Apr 10

3790 vs.30 yr Avg = 684

554.1% % Avg

Growing Degree-days for potatoes (45F) planted May 5 =

1944 vs.30 yr Avg = 1612

120.5% % Avg

30 yr Avg from Center (SLVRC weather station)

Today is 9/1/2023

This Year starts on 1/1/2023

Today's Julian Date is 244

Estimated Crop Water Use (ET)

Weather Data from Center 02 location, 7 mi NE of Center

Crop	Date Planted	Daily Crop Water use for Dates Shown (inches/day)				Accumulated Water Use (ET) From Latest Day Shown				
		08/31	08/30	08/29	08/28	2day	3day	4day	5day	7day
Moravian 69	4/5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Moravian 69	4/20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Moravian 69	5/5	0.00	0.00	0.04	0.05	0.00	0.04	0.09	0.14	0.18
Red Wheat	4/5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red Wheat	4/20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red Wheat	5/5	0.05	0.05	0.06	0.07	0.10	0.16	0.24	0.30	0.37
White Wheat	4/5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
White Wheat	4/20	0.07	0.06	0.08	0.09	0.13	0.21	0.30	0.38	0.46
White Wheat	5/5	0.10	0.09	0.11	0.12	0.19	0.30	0.42	0.52	0.63
White Wheat	5/15	0.13	0.12	0.14	0.15	0.25	0.39	0.55	0.69	0.82
Winter Wheat	10/1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Norkotah Potato	4/25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Norkotah Potato	5/5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Centennial Potato	5/5	0.17	0.15	0.18	0.19	0.32	0.50	0.69	0.86	1.01
Nugget Potato	4/25	0.16	0.14	0.17	0.18	0.30	0.47	0.65	0.81	0.96
Nugget Potato	5/5	<u>0.18</u>	<u>0.16</u>	<u>0.19</u>	<u>0.20</u>	<u>0.34</u>	<u>0.53</u>	<u>0.73</u>	<u>0.91</u>	<u>1.07</u>
Alfalfa	Estab.	0.23	0.19	0.23	0.24	0.42	0.65	0.89	1.10	1.29
Canola Early	05/05	0.09	0.08	0.10	0.11	0.17	0.26	0.37	0.47	0.56
Canola Late	05/20	0.13	0.12	0.14	0.16	0.25	0.40	0.55	0.69	0.83
Lawnglass	Estab.	0.20	0.17	0.20	0.21	0.37	0.57	0.79	0.97	1.14

For the latest recorded message, call 754-3494 extension 40 (Center), 38 for La Jara and 36 (Center #2).

Use the crop maturity and planting date closest to your own. The Internet address for this table is:

<http://potatoes.colostate.edu/wp-content/uploads/2023/05/etc2.pdf>

This information provided by Andrew Houser,

SLV Research Ctr Colorado State University. For information on using the data,

call 754-3496 x26 or e-mail:

andrew.houser@colostate.edu

Instructions: Add daily evapotranspiration (ET) for each day since your last irrigation.

This is the amount of water the crop has used. This amount plus 10-20% for efficiency must be added.

Totals for two, three, four, five, and 7-days are added for you.

Rainfall is not included. Subtract effective rainfall for each individual field. What is presented is the net amount of irrigation needed. Add 10 to 20% for irrigation inefficiency. You might add 20% for high pressure overhead sprinklers and add at least 10% for low pressure drop nozzles. In the early season, do not irrigate until the amount needed is at least 0.50 inches unless you are trying to keep the surface wet for emergence. Irrigating with small amounts wastes water as most of the water is lost to soil evaporation.

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