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Instructions: To determine amount to irrigate; add daily ET for each day since your last irrigation or significant rainfall…..(look below table for more info).

Growing Degree-days for small grains(32d) planted Apr 10	4585	vs.30 yr Avg =	687	667.3%	% Avg
Growing Degree-days for potatoes (45 d) planted May 5 =	2401	vs.30 yr Avg =	196	1226.1%	% Avg

Today is	9/1/2023
This Year starts on	1/1/2023
Todays Julian Date is	244

Estimated Crop Water Use (ET)

Weather Data from CoAgMet SLV Research Center Weather Station (Center 1)

Crop	Date Planted	Daily Crop Water use for Dates Shown (inches/day) 08/31	08/30	08/29	08/28	Accumulated Water Use (ET) From Latest Day Shown 2day	3day	4day	5day	7day
Moravian 69	**04/05**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Moravian 69	04/20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Moravian 69	05/05	0.00	0.00	0.04	0.05	0.00	0.04	0.09	0.13	0.17
Early Wheat	**04/05**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Early Wheat	04/20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Early Wheat	05/05	0.06	0.05	0.06	0.07	0.12	0.18	0.25	0.31	0.37
White Wheat	**04/05**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
White Wheat	04/20	0.09	0.07	0.08	0.08	0.15	0.23	0.32	0.39	0.45
White Wheat	05/05	0.12	0.09	0.11	0.11	0.22	0.32	0.44	0.53	0.62
Winter Wheat	**10/01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Norkotah Potato	04/25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Norkotah Potato	05/05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Norkotah Potato	05/20	0.00	0.00	0.00	0.15	0.00	0.00	0.15	0.28	0.40
Centennial Potato	05/05	0.21	0.16	0.18	0.18	0.37	0.55	0.73	0.88	1.02
Centennial Potato	05/20	0.26	0.19	0.21	0.21	0.45	0.66	0.87	1.05	1.20
Nugget Potato	04/25	0.24	0.18	0.20	0.20	0.42	0.61	0.82	0.98	1.13
Nugget Potato	05/05	0.23	0.17	0.19	0.19	0.40	0.59	0.78	0.93	1.08
Nugget Potato	05/20	0.24	0.18	0.20	0.20	0.42	0.61	0.82	0.98	1.13
Sangre Potato	05/10	0.00	0.00	0.00	0.15	0.00	0.00	0.15	0.28	0.39
Alfalfa	**Estab.**	**0.28**	**0.21**	**0.23**	**0.23**	**0.48**	**0.71**	**0.94**	**1.13**	**1.29**
Canola Early	**05/05**	**0.11**	**0.08**	**0.10**	**0.10**	**0.19**	**0.29**	**0.39**	**0.48**	**0.55**
Canola Late	**05/20**	**0.16**	**0.13**	**0.14**	**0.15**	**0.29**	**0.44**	**0.58**	**0.71**	**0.82**
Lawngrass	**Estab.**	**0.25**	**0.18**	**0.20**	**0.20**	**0.43**	**0.63**	**0.83**	**1.00**	**1.14**

For the latest recorded message, call 754-3494 extension 40 (Center), Ext 38 for LaJara and Ext 36 for Center #2. Use the crop maturity and planting date closest to your own. The Internet address is:

http://potatoes.colostate.edu/wp-content/uploads/2023/05/etc.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

Note: Weather stations used for ET calculations are located at Center (SLV Research Center), Center02 (7 mi NE of Center), Blanca and ~~San Acacio~~ La Jara. Use the weather station closest to the field for which you want the ET (crop water use).

Instructions: To determine amount to irrigate; add daily ET for each day since your last irrigation..

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.