

agweather connection

Running on EMPTY

If soil were a fuel tank, how much water would your land need before it were running on empty? This is the question that Agweather attempts to answer with its Irrigation Planners.

Although the Irrigation Planner can look confusing, it simply keeps a running tally of the amount of water available in the soil. The chart lets you know whether or not the soil has a surplus of water. It takes into account irrigation, rainfall, and the amount of water used by a particular plant and the sun.

"The Irrigation Planner estimates daily water use by a plant. This daily water use adds up over time. Soil holds water but when the water level gets too low and no rain falls, crops need water from irrigation," said Al Sutherland, Mesonet Agriculture Coordinator.

Irrigation Planners are available for a variety of agricultural crops, fruits, veggies and turfgrass. Even though the chart for each crop looks identical, the science behind each commodity is different. "The difference is based on how much water each crop uses on a daily basis," said Sutherland. "For instance, tomatoes use more water than bermudagrass under the same weather conditions."

When using the Irrigation Planner, it is important to decide how dry you are willing to let your soil and crops get. If you decide that a water balance of -0.5 inches is as dry as you would like to be, you would irrigate once you hit this threshold. "In a garden situation, -0.75 inches is a good place to start. This number can be adjusted," said Sutherland. "For instance a person growing tomatoes may want to water more often and use a threshold of -0.60 inches. A person growing watermelons might want to push the plants a little more and wait to water when the water balance reaches -1.00 inches or less."

As a producer uses the Irrigation Planner, they can gauge how their plants are responding and adjust the trigger value to better match their crop and soil type. For more information about Irrigation Planners, [e-mail the folks at Agweather](#).

Corn Irrigation Planner

- Start at <http://agweather.mesonet.org>
- Select "Crop" from the horizontal menu
- Choose "CORN"
- Then pick "Irrigation Planner"
- Select a Mesonet site, enter the relative maturity days and your planting date
- Click "Get Corn Data"

Irrigation Planner for CORN for Marshall
Find your last irrigation date and the corresponding water balance.

Last Irrigation Date	Evapotranspiration (Inch)	Accumulated Evapotranspiration (Inch)	Rainfall (Inch)	Accumulated Rainfall (Inch)	Water Balance (Inch)
2009-06-27	0.43	0.43	0.00	0.00	-0.43
2009-06-26	0.40	0.84	0.00	0.00	-0.84
2009-06-25	0.37	1.20	0.00	0.00	-1.20
2009-06-24	0.36	1.57	0.00	0.00	-1.57
2009-06-23	0.38	1.94	0.00	0.00	-1.94
2009-06-22	0.40	2.34	0.00	0.00	-2.34
2009-06-21	0.45	2.79	0.00	0.00	-2.79
2009-06-20	0.37	3.17	0.05	0.05	-3.12
2009-06-19	0.41	3.57	0.02	0.07	-3.50
2009-06-18	0.44	4.02	0.00	0.07	-3.95
2009-06-17	0.42	4.44	0.00	0.07	-4.37
2009-06-16	0.43	4.86	0.00	0.07	-4.79
2009-06-15	0.40	5.26	0.00	0.07	-5.19
2009-06-14	0.20	5.46	0.01	0.08	-5.38
2009-06-13	0.30	5.76	0.09	0.17	-5.59
2009-06-12	0.22	5.98	0.40	0.57	-5.41
2009-06-11	0.22	6.20	0.01	0.58	-5.62

Cotton Irrigation Planner

- Start at <http://agweather.mesonet.org>
- Select "Crop" from the horizontal menu
- Choose "COTTON"
- Then pick "Irrigation Planner"
- Select a Mesonet site, enter the relative maturity days and your planting date
- Click "Get Cotton Data"

Irrigation Planner for COTTON for Walters
Find your last irrigation date and the corresponding water balance.

Last Irrigation Date	Evapotranspiration (Inch)	Accumulated Evapotranspiration (Inch)	Rainfall (Inch)	Accumulated Rainfall (Inch)	Water Balance (Inch)
2009-06-27	0.19	0.19	0.00	0.00	-0.19
2009-06-26	0.16	0.35	0.00	0.00	-0.35
2009-06-25	0.15	0.50	0.00	0.00	-0.50
2009-06-24	0.15	0.65	0.00	0.00	-0.65
2009-06-23	0.15	0.80	0.00	0.00	-0.80
2009-06-22	0.16	0.96	0.00	0.00	-0.96
2009-06-21	0.16	1.12	0.00	0.00	-1.12
2009-06-20	0.13	1.25	0.00	0.00	-1.25
2009-06-19	0.11	1.36	0.23	0.23	-1.13
2009-06-18	0.14	1.50	0.00	0.23	-1.27
2009-06-17	0.13	1.63	0.00	0.23	-1.40
2009-06-16	0.13	1.76	0.00	0.23	-1.53
2009-06-15	0.12	1.88	0.00	0.23	-1.65
2009-06-14	0.08	1.96	0.11	0.34	-1.62
2009-06-13	0.09	2.05	0.14	0.48	-1.57
2009-06-12	0.09	2.14	0.00	0.48	-1.66
2009-06-11	0.07	2.21	0.00	0.48	-1.73

Watermelon Irrigation Planner

- Start at <http://agweather.mesonet.org>
- Select "Horticulture" from the horizontal menu
- Choose "WATERMELON"
- Then pick "Irrigation Planner"
- Select a Mesonet site, enter the relative maturity category, the relative maturity days and your planting date
- Click "Get Watermelon Data"

Irrigation Planner for WATERMELON for Acme
Find your last irrigation date and the corresponding water balance.

Last Irrigation Date	Evapotranspiration (Inch)	Accumulated Evapotranspiration (Inch)	Rainfall (Inch)	Accumulated Rainfall (Inch)	Water Balance (Inch)
2009-06-27	0.26	0.26	0.00	0.00	-0.26
2009-06-26	0.22	0.47	0.00	0.00	-0.47
2009-06-25	0.20	0.68	0.00	0.00	-0.68
2009-06-24	0.20	0.88	0.00	0.00	-0.88
2009-06-23	0.22	1.10	0.00	0.00	-1.10
2009-06-22	0.23	1.33	0.00	0.00	-1.33
2009-06-21	0.23	1.57	0.02	0.02	-1.55
2009-06-20	0.21	1.78	0.00	0.02	-1.76
2009-06-19	0.23	2.01	0.05	0.07	-1.94
2009-06-18	0.30	2.31	0.00	0.07	-2.24
2009-06-17	0.30	2.61	0.00	0.07	-2.54
2009-06-16	0.32	2.93	0.00	0.07	-2.86
2009-06-15	0.27	3.20	0.21	0.28	-2.92
2009-06-14	0.23	3.43	0.00	0.28	-3.15
2009-06-13	0.20	3.63	0.02	0.30	-3.33
2009-06-12	0.24	3.87	0.00	0.30	-3.57
2009-06-11	0.20	4.07	0.00	0.30	-3.77

Your National Weather Service forecast

6 Miles SSW Idabel OK

Enter Your "City, ST" or zip code

NWS Shreveport, LA Mobile Weather Information | [En Español](#)
Point Forecast: 6 Miles SSW Idabel OK **Last Update:** 6:04 am CDT Jun 28, 2009
 33.83°N 94.89°W (Elev. 367 ft) **Forecast Valid:** 10am CDT Jun 28, 2009-6pm CDT Jul 4, 2009

Forecast at a Glance

Today	Tonight	Monday	Monday Night	Tuesday	Tuesday Night	Wednesday	Wednesday Night	Thursday
20% Slight Chc Tstms	20% Slight Chc Tstms	20% Slight Chc Tstms	20% Slight Chc Tstms	Hot	Mostly Clear	Hot	Mostly Clear	Hot
Hi 96 °F	Lo 69 °F	Hi 94 °F	Lo 67 °F	Hi 96 °F	Lo 68 °F	Hi 97 °F	Lo 70 °F	Hi 96 °F

Detailed 7-day Forecast **Current Conditions** [Move Down]

Hazardous weather condition(s): **Mc Curtain County Regional Airport**

Mesonet Rainfall Totals (In Inches)

Data complete through 11:59 pm CST June 27, 2009

Station	7 Day	10 Day	14 Day	30 Day	60 Day	90 Day	June	2009	2008
Acme	0.01	0.07	0.28	2.28	13.06	16.48	2.28	19.80	25.64
Ada	0.00	0.00	0.00	6.05	15.68	18.87	6.05	24.55	*
Altus	0.00	0.00	0.65	1.71	8.87	10.16	1.71	12.82	21.13
Alva	0.00	1.02	1.19	2.92	5.42	10.29	2.92	12.53	28.98
Antlers	0.00	0.00	0.04	3.25	16.49	20.26	3.25	26.69	44.99
Apache	0.00	0.97	1.54	2.20	11.49	13.63	2.20	16.03	28.40
Ardmore	0.00	0.00	0.07	1.80	16.37	18.59	1.80	21.76	25.16
Arnett	0.02	0.11	0.24	0.55	2.13	5.02	0.55	5.73	*
Beaver	0.01	1.08	1.35	2.93	3.51	6.94	2.93	8.01	18.92
Bessie	0.00	0.27	*	*	*	*	*	*	31.96
Bixby	0.00	0.00	0.64	2.23	8.61	12.18	2.23	18.61	53.08
Blackwell	0.73	1.37	1.68	3.78	6.77	12.79	3.78	*	*
Boise City	0.00	0.70	0.73	0.92	1.58	3.36	0.89	4.01	13.10
Bowlegs	0.00	0.00	0.01	2.17	10.27	13.45	2.17	18.68	45.87
Breckinridge	0.00	0.59	0.62	1.68	4.76	7.68	1.68	10.18	*
Bristow	0.00	0.00	0.29	2.43	8.51	11.73	2.43	18.02	41.42
Broken Bow	0.00	0.01	0.04	0.82	20.22	24.69	0.81	32.40	53.88
Buffalo	0.00	1.09	1.13	2.33	5.00	7.27	2.33	8.15	23.14
Burbank	0.37	0.59	0.81	3.43	6.70	12.57	3.43	17.59	44.30
Burneyville	0.00	0.00	0.10	1.62	19.40	22.07	1.61	25.67	22.84
Butler	0.00	0.64	0.93	1.77	6.96	9.63	1.77	10.99	27.47
Byars	0.00	0.00	0.00	2.17	11.79	14.89	2.17	20.43	32.45
Camargo	0.00	0.12	0.24	0.64	5.34	8.74	0.64	9.56	*
Centrahoma	0.00	0.00	0.00	4.08	16.47	19.43	4.08	24.90	35.52
Chandler	0.00	0.01	0.26	0.77	7.00	9.71	0.77	13.73	34.78

Forecasted Rain Chances

- Start at <http://agweather.mesonet.org>
- Make sure you have the correct location selected in the "Current Weather at:" section on the right hand side
- Next, select "Forecast" from the horizontal menu bar

Recent Rainfall

- Start at <http://agweather.mesonet.org>
- Click "Soil/Water" from the horizontal menu
- Then select "RAINFALL"
- Finally, choose "Recent Mesonet Rainfall Table"

WELCOME

When is it time to water your lawn? How long do your sprinklers need to run? The Oklahoma Mesonet can help. Click a "Watering" button to start.

Simple Watering

Advanced Watering

Advanced Watering +

Norman, OK relative humidity: 82%

78 °F 10-meter wind: NNE 11 mph

rainfall since 7pm: 0.5"

time of last observation: 9:40 am

sunrise: 6:17 am sunset: 8:48 pm

select from the list to change site data in the above panel: Norman

Yesterday's Bermudagrass Water Demand map

Lawn Watering

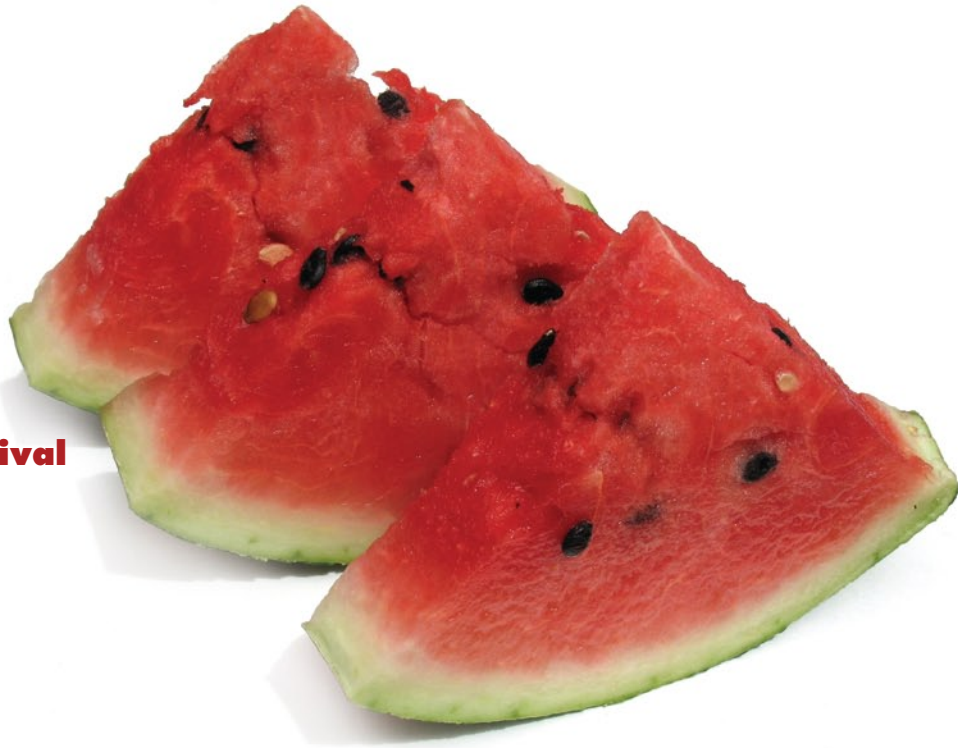
- Go to <http://agweather.mesonet.org>
- Click "Horticulture"
- Next, click "TURFGRASS"
- Then select "Irrigation Planner"
- Click "Simple Watering" and complete the easy steps to find out how long to water your lawn and how much it will cost you

Valliant Watermelon Festival

- July 25, 7 a.m.-10 p.m.
- Annual festival that includes a 5K run, parade, local music and artists, kid's games, photography contest, winners from serious queen and not-so-serious king and queen contests and free watermelon slices for everyone
- Tour bus parking available
- Free admission, handicap accessible
- http://www.valliantchamber.org/watermelon_festival.html

Rush Springs Watermelon Festival

- August 8, 9 a.m.-7 p.m.
- Festival that celebrates the watermelon harvest
- Activities include Tiny Tots contest, seed spitting contest, arts and crafts, carnival rides, live entertainment and free watermelon after 4 p.m.
- Free admission, handicap accessible
- For more information, call 580.476.9348



FOOD FUN



Porter Peach Festival

- July 16-July 18, 4 p.m.-11 p.m.
- Annual festival featuring arts and crafts, games, parade, car show, music, food, tractor pull, rodeo and more
- Free admission, handicap accessible
- <http://www.porterpeachfestivals.com/>

Stratford Peach Festival

- July 27, 9 a.m.-5 p.m.
- Will feature live entertainment, arts and crafts vendors, family activities, an auto and motorcycle show, peach ice cream and...peaches
- For more information, call 580.320.3252