

LEARN HOW TO SAVE WATER AT HOME. BROUGHT TO YOU BY THE CITY OF BOZEMAN WATER CONSERVATION DIVISION.

## CAN-DO SPRINKLER TEST

How much water does your lawn actually need each week during the summer? Find out by raiding the recycling bin to size up your home's sprinkler system and reduce your family's outdoor water use.

### FREE Kid's Activity Assessment Kit

Includes 12 rain gauges (which can be used as catch cans), kid activity book, a pencil, and more!

Call us at 406-582-3220 to get yours. While supplies last.

#### SOME SPRINKLER SPECIFICS:

- 50% of Bozeman's summer water supply is used in our yards.
- Your sprinkler system can use more water in one week than your family uses inside your home in a month!
- Your lawn needs 1" of water per week during July and August.

#### CAN-DO SPRINKLER TEST INSTRUCTIONS

Items needed:

- Tuna or cat food cans, or any flat bottomed cans
- Ruler
- Timer

1. Identify a sprinkler system 'zone' to test.
2. Find the sprinkler heads located in the test zone and place the cans evenly within the zone area.
3. Ask your parents to help you turn on the sprinkler zone, then use your timer to run it for 15 minutes.
4. At the end of 15 minutes, use your ruler to measure how much water is in each can, add it all up, and write the total below.\*

Total amount of water measured =  in

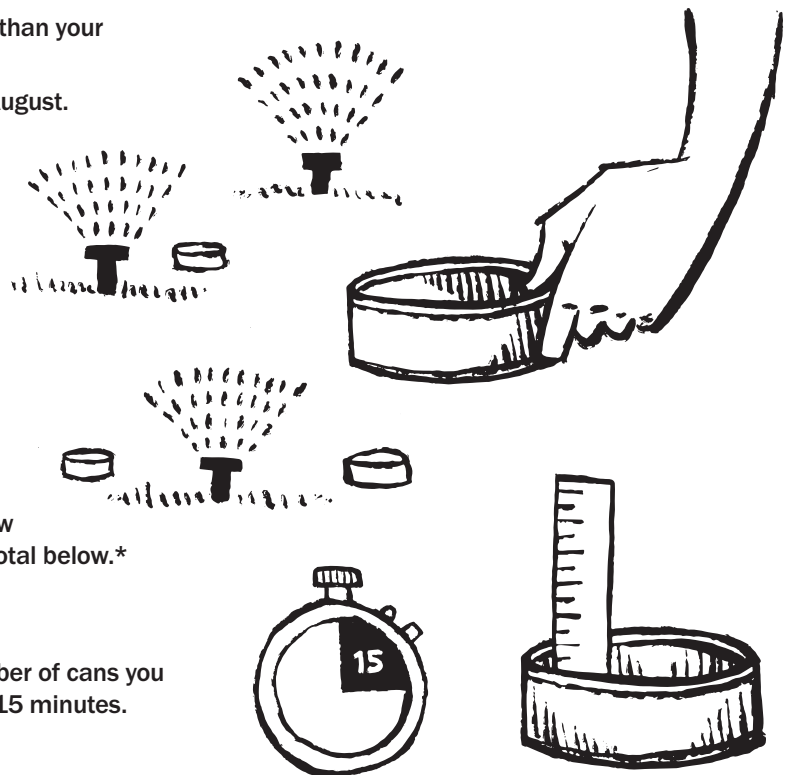
5. Divide the total amount of water measured by the number of cans you used to get the amount of water your sprinkler uses in 15 minutes.

$$\frac{\text{Total amount of water measured in inches (from above)}}{\text{Number of cans used}} = \text{The amount of water your sprinkler uses in 15 minutes}$$

6. Use this chart to find out how much time you need to water your lawn to ensure it is getting no more than 1" of water each week.

HOW LONG TO RUN YOUR SPRINKLER ZONE EACH WEEK								
The amount of water your sprinkler zone uses in 15 minutes (from step 5 above)	0.2in	0.3in	0.4in	0.5in	0.6in	0.7in	0.8in	0.9in
How many minutes you need to water each week	75	50	37	30	25	22	19	16

\*Zones with rotor spray heads deliver less water than zones with pop up spray heads. The number of containers needed will vary based upon the size of your lawn and number of sprinkler heads. This process can be repeated for each separate sprinkler zone if needed.



#### MORE TURF TIPS!

- Watering your lawn in the early morning (4am to 8am) helps get the water into the soil and not wasted through evaporation.
- Check that your sprinklers are watering your lawn and plants instead of your driveway or sidewalk.
- Keep your grass no shorter than 3" to help retain moisture.

Download more Kids Activity Sheets and find tips and information about Water Conservation at [www.bozemanwater.com](http://www.bozemanwater.com).



DOING ONE THING MAKES A DIFFERENCE. FIND OUT MORE AT [BOZEMANWATER.COM](http://BOZEMANWATER.COM)