

## Simple Irrigation Equation to figure out gallons of water used on the Lawn

- Irrigation systems are broken down into **zones**.
- A small home has **4** zones (there can be more!!)
- Each zone consists of a number of **heads** with the average being **5** heads per zone (or more!)
- On the average **5** gallons of water is sprayed out of one head **per minute!**
- One zone is watered at a time with 20 minutes being the average setting (or longer!!)

Many homeowners are leaving it up to their irrigation companies to handle setting their irrigation systems to go off on a timer and are completely unaware of how much water they are using to water their lawn. The equation below is based on **20 minute** increments per zone:

$(5 \text{ gallons of water per minute}) \times (5 \text{ heads in a zone}) = \mathbf{25}$  gallons of water used in 1 minute

$(25 \text{ gallons per minute}) \times (20 \text{ minute setting per zone}) = \mathbf{500}$  gallons of water per zone

$(500 \text{ gallons of water}) \times (4 \text{ zones}) = \mathbf{2,000}$  gallons of water used on the lawn per day

$(2000 \text{ gallons of water}) \times (30 \text{ days in a month}) = \mathbf{60,000}$  gallons used on the lawn per month!

The equation above shows how easy it is for a small home to use an outrageous amount of water on their lawn. The equation below is based on **30 minute** increments per zone:

$(5 \text{ gallons of water per minute}) \times (5 \text{ heads in a zone}) = \mathbf{25}$  gallons of water used in 1 minute

$(25 \text{ gallons per minute}) \times (30 \text{ minute setting per zone}) = \mathbf{750}$  gallons of water per zone

$(750 \text{ gallons of water}) \times (4 \text{ zones}) = \mathbf{3,000}$  gallons of water used on the lawn per day

$(3000 \text{ gallons of water}) \times (30 \text{ days in a month}) = \mathbf{90,000}$  gallons used on the lawn per month!

The above equation shows how easy it is for irrigation consumption to get out of control based on the amount of time the irrigation runs per day! !