

Home Irrigation Calculation Sheet

Here is an example of how to determine water usage for your yard based on the theory of 1" of water applied to one square foot of irrigation area per week.

Example:

¼ acre lot= 10,890 square feet

minus the square footage of your home and driveway (e.g., 2000 square foot home)

= 8890 square feet of irrigatable area

Irrigatable square feet multiplied by .62=your gallons per week

Gallons per week divided by 7= gallons per day

Gallons per day divided by gallons per minute of sprinkler head= minutes of irrigation per day

Minutes of irrigation per day divided by the number of sprinklers= run time per sprinkler head per day

_____ X .62 = _____
Irrigatable sq. ft. gallons per week

_____ divided by 7 = _____
Gallons per week gallons per day

_____ divided by _____ = _____
Gallons per day GPM of sprinkler head = minutes of Irr. Per day

_____ divided by _____ = _____
Minutes of irr. Per day number of sprinklers = runtime per sprinkler head (minutes per day)

GPM = gallons per minute