

# Sprinkler Basics

## Precipitation Rate

The formula for calculating precipitation rate is:  $\frac{96.3 \times \text{the total gpm in the area}}{\text{Square footage of the area}}$

Example: Four sprinkler heads water an area 30' x 30'. Each sprinkler has an output of 2gpm. What is the precipitation rate of the sprinklers?

$$\frac{96.3 \times (4 \times 2)}{30 \times 30}$$

$$\frac{96.3 \times 8}{900}$$

$$\frac{770.4}{900}$$

0.856 inches per hour is the precipitation rate

