



Dripping with HOGs

Calculations for Rainwater HOGs
July 2008

Calculations based on Evapotranspiration*

Apply your microclimate figures as follows:

LA = Landscaped Area in square feet
 50/W = HOG Gallons per Week
input W number of dry weeks in your microclimate
 ET = Evapotranspiration (inches per week)
input your microclimate figures
 0.9 is the irrigation efficiency of subsurface drip
 PF = Plant Factor
0.3 for low water use; 0.5 medium; 0.9 high eg lawns
 0.62 = Conversion factor (inches to gallons)

$$LA = (50/W \times 0.9) / (ET \times PF \times 0.62)$$



a single Rainwater HOG drips 12-14 sq.ft of landscape for 6 months

- * In New York City, one HOG can drip 15.8 sq.ft of sedum planted roof garden for 4 months
- * In San Francisco, one HOG can drip 12.2 sq.ft of drought tolerant landscape for 6 months
- * In Seattle, one HOG can drip 14.7 sq.ft of sedum planted roof garden for 5 months

RAIN WATER YOUR VEGETABLES FOR THE HEALTHIEST ORGANICS

- * in New York City, one HOG drips 9 sq.ft of vegetable garden for four months
- * in San Francisco, one HOG drips 6.1 sq.ft of vegetable garden for 6 month

Hang on to the grass - using rescued rainwater

- * in Seattle, on HOG drips 4.9 sq.ft of grass for 5 months
- * in San Francisco, one HOG drips 4 sq.ft of grass for 6 months
- * in New York City, one HOG drips 6.1 sq.ft of grass for 4 months



* Evapotranspiration is the amount of water that transpires through a plants leaves, combined with the amount that evaporates from the soil in which the plant grows. You will need to add your ET figure to this equation for your particular landscape combination

* please note all figures are approximate and microclimate conditions within the quoted cities will slightly vary the results



Rescue the rain with Rainwater HOG's functional & visually discrete vessels

1 HOG = 50 gallons
9.5 x 20 x 71 inches

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