



## WORKSHEET 1: HOW TO DETERMINE YOUR LANDSCAPE'S WATER NEEDS (VIDEO 1)

**STEP 1: Use this form to create a rough sketch of your property.** Be sure to include any out buildings (garage, shed) any additions, decks etc., hardscapes (driveway, sidewalks, patios), planted areas (differentiate grass from perennial/shrub areas, vegetable gardens and flower areas etc.). Break your sketch down into easy-to-measure areas.

<b>AREA NAME:</b>	<b>AREA NAME:</b>
<b>AREA NAME:</b>	<b>AREA NAME:</b>

House

**STEP 2: Measure each area of your landscape from step 1.** The easiest way to do this is to break the majority of the area into either a rectangle or circle. Then, estimate the amount of space that is outside the rectangle or circle, e.g. 15%.

You are looking for a good ball park number here, so don't get too caught up on measuring every last inch of each area of your landscape!

<b>AREA NAME: Example</b>	<b>RECTANGLULAR AREA EXAMPLE</b>	<b>CIRCULAR AREA EXAMPLE</b>
	Length of rectangle in feet: <b>20</b>	Length of diameter in feet: <b>15</b>
	Width of rectangle in feet: <b>5</b>	Diameter length $\div$ 2 = <b>7.5</b> Radius in feet
	Total area of rectangle: <b>100 square feet</b> <i>(length x width)</i>	Total area of circle: <b>7.5 x 7.5 x 3.14 = 177 square feet</b> <i>(radius x radius x 3.14)</i>
	Amount of area outside the rectangle: <b>.25</b> <i>(estimate in decimals e.g., 25% = .25)</i>	Amount of area outside the circle: <b>.15</b> <i>(estimate in decimals e.g. 15% = .15)</i>
	Total area outside the rectangle in: <b>100 x .25 = 25 square feet</b> <i>(area of rectangle) x (area outside the rectangle)</i>	Total area outside the circle: <b>177 x .15 = 27 square feet</b> <i>(area of circle) x (area outside the circle)</i>
	Total area to be watered: <b>100 + 25 = 125 square feet</b> <i>(area of rectangle) + (area outside the rectangle)</i>	Total area to be watered: <b>177 + 27 = 204 square feet</b> <i>(area of circle) + (area outside the circle)</i>

<b>AREA NAME:</b>	<b>RECTANGLULAR AREA</b>	<b>CIRCULAR AREA</b>
	Length of rectangle in feet:	Length of diameter in feet:
	Width of rectangle in feet:	Diameter length $\div$ 2 = ____ Radius
	Total area of rectangle:	Total area of circle:
	Amount of area outside the rectangle:	Amount of area outside the circle:
	Total area outside the rectangle:	Total area outside the circle:
	Total area to be watered:	Total area to be watered:

<b>AREA NAME:</b>	<b>RECTANGLULAR AREA</b>	<b>CIRCULAR AREA</b>
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	Total area outside the rectangle:	Total area outside the circle:
	Total area to be watered:	Total area to be watered:

**STEP 3: Determine the number of gallons needed to water each landscape area 1 inch.** It takes .62 gallons to water one square foot - 1 inch deep. Use this sheet to determine how many gallons are needed to water each landscape area one inch.

AREA NAME:	TOTAL AREA TO BE WATERED	X .62	=	TOTAL NUMBER OF GALLONS NEEDED TO WATER LANDSCAPE AREA 1 INCH PER WEEK
<i>Example continued</i>	<i>Rectangle: 125 feet Circle: 204 feet</i>	<i>X .62</i>	<i>=</i>	<i>Rectangle: 78 gallons Circle: 127 gallons</i>
		X .62	=	
		X .62	=	
		X .62	=	
		X .62	=	
		X .62	=	
		X .62		
		X .62		

Notes