

CASH FOR GRASS PROGRAM
PLANT COVERAGE WORKSHEET

Follow the instruction below to fill out the plant coverage worksheet. This form is required to show that your plants, when fully mature, will create a plant canopy coverage of at least 50 percent of your converted area.

INSTRUCTIONS

1. Column A – Plant Name

List the names of the plants used in your converted area.

2. Column B – Plant Coverage Value

Use the Recommended Plant List (available at <http://www.ecolandscaping.org/resources/WaterSmartplants.html>) to find the Plant Coverage Value for each plant in your converted area. Plants are listed in categories located in the right hand column. Select the category (i.e. Trees-Evergreen) and there is a column for the Plant Coverage Values. These individual lists are pdf. documents in spreadsheet form. Enter the value for each plant in Column B. If an established tree is located within the converted area, use one-half (1/2) of the total mature tree canopy (plant coverage value) towards the living fifty percent (50%) plant coverage requirement.

Note: If you use a plant that is not included on the Recommended Plant List, refer to the Plant Coverage Value Chart (on the last page) with a plant's mature width to obtain the coverage values for plants up to 20 ½ feet in diameter.

3. Column C – Quantity

Enter the quantity of each plant to be used in the converted area in Column C.

4. Column D – Total Plant Coverage

Multiply Column B by Column C to determine the total plant coverage for each type of plant used and enter that number in Column D.

5. Item E – Total Plant Coverage Values

Add the plant coverage values in Column D and enter that total (sum) in Item E.

6. Item F – Grass (Lawn) Conversion Area

Enter the square footage of grass you plan to convert in Item F. (A minimum of 200 square feet of lawn must be converted. If yard is smaller than 200 square feet, the entire lawn must be removed. Converted areas must contain enough plants to create at least 50% living plant coverage when plants are fully grown.)

7. Item G – Total Plant Coverage of Converted Area

Divide Item E – Total Plant Coverage Values by Item F – Grass (Lawn) Conversion Area and multiply that value by 100 to obtain Item G – Total Plant Coverage of Converted Area.

PLANT COVERAGE WORKSHEET
EXAMPLE WORKSHEET

Column A Plant Name	Column B Plant Coverage Value (sq. ft.)	(multiply)	Column C Quantity	=	Column D Total Plant Coverage
Blue Chip Juniper	38	X	5	=	190
Orchid Rockrose	20	X	2	=	40
Rosemary (prostrate)	28	X	2	=	56
Shasta Daisy	3	X	7	=	21
Crape Myrtle-lavender hybrid (existing tree*)	214/2=107	X	1	=	107

Item E	Total Plant Coverage Values (Sum of Column D)	=	414 sq. ft.
Item F	Grass (Lawn) Conversion Area	=	600 sq. ft.
Item G	Total Plant Coverage of Converted Area (Item E ÷ F = _____ x 100 = G)	=	69%
Minimum 50% Plant coverage value has been achieved			

*Note: Existing trees use half the plant coverage value.



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Column A Plant Name	Column B Plant Coverage Value (sq. ft.)		Column C Quantity		Column D Total Plant Coverage
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	

Item E	Total Plant Coverage Values (Sum of Column D)	=	sq. ft.
Item F	Grass (Lawn) Conversion Area	=	sq. ft.
Item G	Total Plant Coverage of Converted Area (Item E ÷ F = _____ x 100 = G)	=	%

Use the coverage value chart below to determine the plants square foot coverage for Column B. Remember to use the mature plant width number.

You can also determine the plants square foot coverage by multiplying 0.7854 with the plant’s mature width squared.

Example: For a 5 ft. mature width plant

$$0.7854 \times 5 \text{ ft.}^2 = 20 \text{ ft}^2$$

OR

$$0.7854 \times 5 \text{ ft.} \times 5 \text{ ft.} = 20 \text{ ft}^2$$

Plant Diameter (Width in Feet)	Coverage Value in Square Feet
1	1 (0.7854)
1 1/2	2
2	3
2 1/2	5
3	7
3 1/2	10
4	13
4 1/2	16
5	20
5 1/2	24
6	28
6 1/2	33
7	38
7 1/2	44
8	50
8 1/2	57
9	64
9 1/2	71
10	79
10 1/2	87

Plant Diameter (Width in Feet)	Coverage Value in Square Feet
11	95
11 1/2	104
12	113
12 1/2	123
13	133
13 1/2	143
14	154
14 1/2	165
15	177
15 1/2	189
16	201
16 1/2	214
17	227
17 1/2	241
18	254
18 1/2	269
19	284
19 1/2	299
20	314
20 1/2	330