CITY OF ROSEVILLE
CASH FOR GRASS PROGRAM
PLANT COVERAGE WORKSHEET

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 Cash for Grass Program Plant List (available at http://www.roseville.ca.us/savewater or by request) to find the Plant Coverage Value for each plant in your converted area. Enter the value for each plant in Column B. Note: If you use a plant that is not included on the Cash for Grass Plant List, refer to the Plant Coverage Value Chart to obtain the coverage values for plants up to 20 ½ feet in diameter.

   If you select a plant that is not on the Cash for Grass Program Plant List, the coverage value also can be obtained by multiplying the diameter of the plant's canopy by .7854. Example: .7854 x 5 ft. diameter x 5 ft. diameter = 20 (To obtain whole number values, totals under .5, round number down. Totals above .5, round number up.) Refer to the plant's original container or a gardening book to locate the plant's maturity measurements to use for this calculation.

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 300 square feet of lawn must be converted. If yard is smaller than 300 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.

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EXAMPLE WORKSHEET

Column A Plant Name	Column B Plant Coverage Value (sq. ft.)		Column C Quantity	Column D Total Plant Coverage
Western Redbud	154	x	1	154
Smoke Tree	143	x	1	143
Orchid Rockrose	38	x	2	76
Rosemary (prostrate)	2	x	28	56
Santa Barbara Daisy	7	x	3	21

Item E	Total Plant Coverage Values (Sum of Column D)	=	450 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)	=	75%*
*75% Plant coverage value has been achieved.			

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PLANT COVERAGE WORKSHEET

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		

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)	=	%

COVERAGE VALUE CHART

Coverage value also can be obtained by multiplying the diameter of the plant's canopy by .7854. Example: .7854 x 5 ft. diameter x 5 ft. diameter = 20.

Totals under .5, round down to the next whole number. Totals above .5, round up to the next whole number.)

Plant Diameter (Width in Feet)	Coverage Value in Square Feet		Plant Diameter (Width in Feet)	Coverage Value in Square Feet
1	1 (0.7854)		11	95
1 ½	2		11 ½	104
2	3		12	113
2 ½	5		12 ½	123
3	7		13	133
3 ½	10		13 ½	143
4	13		14	154
4 ½	16		14 ½	165
5	20		15	177
5 ½	24		15 ½	189
6	28		16	201
6 ½	33		16 ½	214
7	38		17	227
7 ½	44		17 ½	241
8	50		18	254
8 ½	57		18 ½	269
9	64		19	284
9 ½	71		19 ½	299
10	79		20	314
10 ½	87		20 ½	330