

Approximate Fertilizer Amounts per plant, by size and type; when sidedressing by hand (Circles)

Apply late Feb and late June

For all recent transplants, all shrubs, all conifers, dogwood and all *Malus* and *Pyrus*
(only the spring application on *Malus* and *Pyrus*, to reduce the likelihood of fireblight)

50 pounds of actual Nitrogen per acre can be supplied by:

	lbs/1000 sq. feet or lbs/acre	Oz./100 sq ft or row feet	Cups per 100 sq ft	Spoons 12" radius 3.14 sq ft 2' Circle	Spoons 18" radius 7 sq ft 3' Circle	Spoons 2' radius 12.6 sq ft 4' Circle	Spoons 2.5' radius 19.6 sq ft 5' Circle	Spoons 3' radius 28.3 sq ft 6' Circle	
34- 0- 0	150	3.5	5.6	0.75	1t	2t	1T 1/2t	2T	2T 2t
27-4-10	185	4.2	6.8		1t?	2t?	1T 1t?	2T .5t?	3T .5t?
20-10-10	250	5.7	9.2	1.5	1t	1T	2T	3T	4T 1t
18-46-0	275	6.3	10.1	1.75					
15-15-15	333	7.6	12.1	2	2t	1T 1t	2T 2t	4T	6T
13-13-13	385	8.7	14	2	2t	1T 2t	3T	4T 2t	6T 2t
10-10-10	500	11.4	18.4	3	2t	2T	4T	6T	8T 2t
					1st year	2nd year	3rd year	4th year	5th year

For Shade trees after their first sidedressing:

75 pounds of actual Nitrogen per acre can be supplied by:

34- 0- 0	225	5	8.3	1.25	1t	1T	1T 2t	3T 2t	4T
27-4-10	278	6.4	10.2		1.5t?	1T .5t?	2T?	3T 1t?	4T 2t?
20-10-10	375	8.7	14	2	2t	1T 2t	3T	4T 1t	6T 1t
18-46-0	415	9.5	15.2	2.5					
15-15-15	500	11.5	18.5	2.75	1T	2T	4T	6T	8T 2t
13-13-13	575	13	22	3	1T	2T 1t	4T 1t	7T	10T
10-10-10	750	17.4	28	4	1T 1t	3T 1t	6T	8T 2t	12T 2t

1 teaspoon (t) 13-13-13 weighs 6 grams. 1 Tablespoon (T) 13-13-13 weighs 17 grams. 453.59 grams = pound.

2T = 34 grams 3T = 51 g 4T = 68 g 5T = 85 g 6T = 102 g 7T = 119 g 8T = 136 g 9T = 153 g 10T = 170 g

Method: 50 divided by the % Nitrogen = number of hundred pounds. Ex. 50 divided by 13 = 3.85 = 385 lbs

To check: Multiply backwards, 13 x 3.85 = 50

Method: 150 x 453.59 divided by 43,560 x number of grams for the area = grams fertilizer for the area

Comm/Fertility/Spoons/plant sq ft, in Excel Acircles 4-08

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