

Suggested Rates for Basal Trunk Sprays of Hemlock Trees For Hemlock Woolly Adelgid – 5/14/18 - jmb

**Imidacloprid 2F
(or 2SC)**

	2F/2SC per gallon mix	water per gallon mix	Inches DBH Treated per gallon mix	A.I. oz.	AI gram s	A.I. grams per inch DBH
1.5 fl oz mix per inch DBH	16.8 fl oz	111.2 fl oz	85.33	4.2	119.1	1.4
2.0 fl oz mix per inch DBH	16.8 fl oz	111.2 fl oz	64	4.2	119.1	1.86

For trees <15" cumulative DBH apply 1.5 fl. oz. of
mix per inch DBH

For trees >15" cumulative DBH apply 2.0 fl. oz. of
mix per inch DBH

**Dinotefuran
20SG**

	20SG per gallon mix	gallon mix	Inches DBH Treated per gallon mix	A.I. oz.	AI gram s	A.I. grams per inch DBH
1.5 fl oz mix per inch DBH	21 oz	1	85.33	4.2	119.1	1.4
2.0 fl oz mix per inch DBH	21 oz	1	64	4.2	119.1	1.86

For trees <15" cumulative DBH apply 1.5 fl. oz. of
mix per inch DBH

For trees >15" cumulative DBH apply 2.0 fl. oz. of
mix per inch DBH

5 23 18 Rates of Application for Xytect Tree Injection - 10% Infusible Insecticide

Low Rate for Light to Moderated to Infestation*				
" DBH	No. injection sites	ML per site	ML per inch DBH	Total Mls
2	2	2	2	4
3	2	3	2	6
4	2	4	2	8
5	3	4	2.4	12
6	3	4	2	12
7	4	4	2.29	14
8	4	4	2	16
9	5	4	2.22	18
10	5	4	2	20
11	6	4	2.18	22
12	6	4	2	24
13	7	4	2.15	26
14	7	4	2	28
15	8	4	2.13	30
16	8	4	2	32
17	9	4	2.11	34
18	9	4	2	36
19	10	4	2.1	28
20	10	4	2	40
21	11	4	2.1	42
22	11	4	2	44
23	12	4	2.1	46

For trees >24"DBH apply at least 3.0 ml per inch DBH

It is not suggested that trees <4" DBH be trunk injected

*The use rate is based on the professional judgment of the applicator as to what constitutes a light, moderate or severe infestation. Higher rates tend to provide longer residual and better control of more difficult to control insects.

High Rate for Moderated to Severe Infestation*				
" DBH	No. injection sites	ML per site	ML per inch DBH	Total MLs
2	2	2	2	4
3	2	3	2	6
4	2	4	2	8
5	3	4	2.4	12
6	3	4	2	12
7	4	4	2.29	14
8	4	4	2	16
9	5	4	2.22	18
10	5	4	2	20
11	6	4	2.18	22
12	6	4	2	24
13	7	6	3.2	42
14	7	6	3	42
15	8	6	3.2	48
16	8	6	3	48
17	9	6	3.17	54
18	9	6	3	54
19	10	6	3.15	60
20	10	6	3	60
21	11	6	3.14	66
22	11	6	3	66
23	12	6	3.13	72

For trees >24"DBH apply at least 3.0 ml per inch DBH

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