



Treatment Guide

PROTECTS

From Roots to Leaves
& New Growth

Up To

12 Months

Tree Protection

KILLS

Over 40 Listed Insects

SEE CONTAINER LABEL FOR DIRECTIONS FOR USE, FIRST AID,
& ADDITIONAL PRECAUTIONARY STATEMENTS

Dosing rates for ornamental trees

Borers: Flatheaded & Roundheaded
Leaf Feeders: Aphids, Plant bugs, Palm bug, Leafhoppers (such as Elm Leaf and Viburnum Leaf), Spittlebugs, Sawfly (larvae), Leaf beetles, Adelgids, Lacebugs, Psyllids, Weevils, Whitefly, Leafminers, Japanese Beetles
Soft Scales: (including Magnolia, leucanium, cottony maple, wax) Mealybugs, Root Weevil Larvae (such as Black vine), Sawflies, Armored Scale (suppression), Thrips, Whiteflies



Emerald Ash Borer



Japanese Beetle



Bronze Birch Borer

Diameter inches	Optrol amount in milliliters	Water amount in gallons	
5	30 ml	Mix with 1 gallon of water	
6	36 ml		
7	42 ml		
8	48 ml		
9	54 ml		
10	60 ml		
11	66 ml		
12	72 ml		
13	78 ml		
14	84 ml		
15	90 ml		
16	96 ml		
17	102 ml		
18	108 ml		
19	114 ml		
20	120 ml		Mix with 2 gallons of water
21	126 ml		
22	132 ml		
23	138 ml		
24	144 ml		
25	150 ml		
26	156 ml		
27	162 ml		
28	168 ml		
29	174 ml		
30	180 ml		
31	186 ml		
32	192 ml		
33	198 ml		
34	204 ml		
35	210 ml		
36	216 ml		

Dosing rates for ornamental trees

Asian Longhorned borer, Emerald ash borer, Eucalyptus Longhorned borer, Bronze birch borer, and Alder borer.

Diameter inches	Optrol amount in milliliters	Water amount in gallons	
5	30 ml	Mix with 1 gallon of water	
6	36 ml		
7	42 ml		
8	48 ml		
9	54 ml		
10	60 ml		
11	66 ml		
12	72 ml		
13	78 ml		
14	84 ml		
15	180 ml		
16	192 ml		
17	204 ml		
18	216 ml		
19	228 ml		
20	240 ml		Mix with 2 gallons of water
21	252 ml		
22	264 ml		
23	276 ml		
24	288 ml		
25	300 ml		
26	312 ml		
27	324 ml		
28	336 ml		
29	348 ml		
30	360 ml		
31	372 ml		
32	384 ml		
33	396 ml		
34	408 ml		
35	420 ml		
36	432 ml		





Application for Trees

1. Measure

Measure around your tree at 4-1/2 feet above the ground to find the circumference.

To determine diameter of the tree:

Divide the circumference by 3 to determine diameter.

If when dividing you end up with a fraction, round down to the lowest whole number.



Example: If a tree has a circumference of 62 inches, use a diameter of 20 inches. $62 \div 3 = 20.66$, then round down to 20.

$$\frac{\text{circumference}}{3} = \text{diameter}$$

TREE WITH 2 OR MORE TRUNKS: Measure the distance in inches around each tree trunk and add together. Example: A tree has 3 trunks, measuring 15, 18, and 21 inches for a total of 54 inches in circumference. Divide this number by 3 to determine diameter. $54 \div 3 = 18$ inches diameter.

2. Mix

Clear any barriers such as woodchips, mulch, and leaf matter from around the base of the tree or shrub. This includes landscape fabric.

Shake bottle well.

Fill watering can/bucket with 1 gallon of water. Use 2 gallons of water for trees over 19 inches diameter.

Carefully measure required amount of Optrol and combine with the water in the watering can/bucket.



3. Pour

Slowly and evenly pour the solution around the base of the tree/shrub.



RESTRICTION: Do not apply more than 757 ml or 25.6 fl. oz. of product (0.4 lb imidacloprid active ingredient) per acre per year.



Optrol Insect Control will control the following soil-inhabiting pests and larvae found in turfgrass:

Japanese beetle (larvae & adults), Northern & Southern masked chafers, Asiatic garden beetle, European chafer, Green June beetle, May or June beetle, Oriental beetle, Billbugs, Chinch bugs (suppression), European crane fly.

Square Feet of Lawn	Optrol amount in ounces	Water add to sprayer	Hose Spray Setting
1000	1/2 oz	2-1/2 oz	3 oz per gallon
2000	1 oz	5 oz	
3000	1-1/2 oz	7-1/2 oz	
4000	2 oz	10 oz	
5000	2-1/2 oz	12-1/2 oz	
6000	3 oz	15 oz	
7000	3-1/2 oz	17-1/2 oz	
8000	4 oz	20 oz	
9000	4-1/2 oz	22-1/2 oz	
10000	5 oz	25 oz	
11000	5-1/2 oz	27-1/2 oz	
12000	6 oz	30 oz	
13000	6-1/2 oz	32-1/2 oz	



Determine the size of the area to be treated in square feet.

Add Optrol Insect Control, then water, into hose-end sprayer. Set dial to appropriate setting. Evenly spray treatment area until thoroughly wet.



Optrol Insect Control will control the following pests on flowers and ground-covers:

Adelgids, Aphids, Froghopper, Japanese beetles, Lace bugs, Leaf beetles, Leafhoppers, Leafminers, Mealybugs, Plant hoppers, Psyllids, Scales, Spittlebugs, Thrips (suppression), Whiteflies

Square Feet of Treatment Area	Optrol amount in ounces	Water add to sprayer	Hose Spray Setting
1000	1 oz	9 oz	1 tsp per gallon
2000	2 oz	18 oz	
3000	3 oz	27 oz	



Plant Care Science

www.myoptrol.com

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