

Tree Reference List

<p>Rate Category A</p> <ul style="list-style-type: none"> Australian pine (Not Austrian Pine) Dogwood Sweetgum (Eastern US) Redbud 	<p>Rate Category F</p> <ul style="list-style-type: none"> Alder Ash – All Species** Aspen** Birch – All Species Locust – Black Bradford pear Cedar – All others(except Deodora) Cherry – black Cottonwood** Crabapple Eucalyptus Fir Hackberry Hemlock Juniper – tree form Laurel Lombardy Poplar** Magnolia Mulberry Oak – Laurel Oak – valley Osage orange Pear – Bradford Pines** – All Species Redwood Spruce – All Species** Sugarberry Sycamore Tallow – Chinese Tulip Poplar** Waxmyrtle – Pacific Willow Yellow Poplar ** Yew – tree form 																																																												
<p>Rate Category B</p> <ul style="list-style-type: none"> Basswood Boxelder Cypress Elm – small (<10"DBH) (all Others) Elm – Siberian Linden – all varieties Maple – Norway - small (<10"DBH) Maple – Red - small (<10"DBH) Maple – Sugar - small (<10"DBH) Mountain ash Sweetgum (western US) Tupelo 	<p>Experimental Rates</p> <table border="0"> <tr><td>Anaqua</td><td>E</td></tr> <tr><td>Australian Bottle</td><td>C</td></tr> <tr><td>Banyan – Ficus</td><td>F</td></tr> <tr><td>Black olive</td><td>F</td></tr> <tr><td>California Pepper</td><td>C</td></tr> <tr><td>Cedar – Deodora</td><td>E</td></tr> <tr><td>Cherry – Flowering</td><td>E</td></tr> <tr><td>Ebony – Texas</td><td>F</td></tr> <tr><td>Hawthorn</td><td>F</td></tr> <tr><td>Holly – American</td><td>E</td></tr> <tr><td>Holly – Youpon</td><td>B</td></tr> <tr><td>Huisache</td><td>E</td></tr> <tr><td>Jacaranda</td><td>F</td></tr> <tr><td>Melaleuca</td><td>F</td></tr> <tr><td>Mesquite</td><td>E</td></tr> <tr><td>Mimosa</td><td>E</td></tr> <tr><td>Oak – Shumard</td><td>E</td></tr> <tr><td>Oleander</td><td>C</td></tr> <tr><td>Palms</td><td>F</td></tr> <tr><td>Paloverde</td><td>E</td></tr> <tr><td>Pecan</td><td>E</td></tr> <tr><td>Persimmon</td><td>C</td></tr> <tr><td>Plum – Flowering</td><td>E</td></tr> <tr><td>Raintree</td><td>E</td></tr> <tr><td>Rosewood</td><td>C</td></tr> <tr><td>Saltcedar</td><td>E</td></tr> <tr><td>Soapberry</td><td>E</td></tr> <tr><td>Sumac – African</td><td>E</td></tr> <tr><td>Tallowwood</td><td>F</td></tr> <tr><td>Tamarisk</td><td>F</td></tr> </table>	Anaqua	E	Australian Bottle	C	Banyan – Ficus	F	Black olive	F	California Pepper	C	Cedar – Deodora	E	Cherry – Flowering	E	Ebony – Texas	F	Hawthorn	F	Holly – American	E	Holly – Youpon	B	Huisache	E	Jacaranda	F	Melaleuca	F	Mesquite	E	Mimosa	E	Oak – Shumard	E	Oleander	C	Palms	F	Paloverde	E	Pecan	E	Persimmon	C	Plum – Flowering	E	Raintree	E	Rosewood	C	Saltcedar	E	Soapberry	E	Sumac – African	E	Tallowwood	F	Tamarisk	F
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<p>Rate Category C</p> <ul style="list-style-type: none"> Blackgum Elm – large (>10"DBH) (all Others) Horsechestnut Maple – Norway - large (>10"DBH) Maple – Red - large (>10"DBH) Maple – Silver - small (<10"DBH) Maple – Sugar - large (>10"DBH) Oak – Live - small (<10"DBH) 																																																													
<p>Rate Category D</p> <ul style="list-style-type: none"> Ailanthus Buckeye Ironwood Silver maple – large (>10"DBH) 																																																													
<p>Rate Category E</p> <ul style="list-style-type: none"> Baytree Beech Camphor Catalpa Chinaberry Hickory Honey Locust Oak – Black Oak – Blackjack Oak – Live – large (>10"DBH) Oak – Pin Oak – Post Oak – Red Oak – Sandshinney Oak – Water Oak – White Oak – Willow Paulownia Russian Olive Sassafrass Walnut 																																																													

* Trees listed under experimental rates may have a variable response to Cambistat. They are currently under field research and the listed rates are a starting point.

** These species typically show less growth reduction compared to other species.

MIXING

Shake Cambistat bottle vigorously before dispensing.

Mix 11 parts of water with 1 part of Cambistat to make a ready-to-use (RTU) solution.

*Note: On individual dose rates additional water can be added to solution. It is important the total dosage of **Cambistat active ingredient is not changed.***

Surfactants

If applying mixture to compacted soils, high clay content soils, or other hard-to-wet soils, use a nonionic, organosilicone wetting agent (surfactant) to increase penetration of the soil. Follow all label directions and precautions on the surfactant product label.

DOSING

It is important to apply the proper dose to the plant you are treating. Gather the following information:

Determine the plant species to be treated and the established rate category it belongs to. If the species is not on the rate chart, contact Rainbow Treecare Scientific Advancements for more information.

Acquire the diameter of the tree measured at breast height. If the tree splits into two or more stems measure the tree at its smallest diameter below the split.

Use the rate chart to determine the total dosage for the plant to be treated.

Determining the Relationship between Crown Size and Diameter

When applying Cambistat, look at the canopy of the tree and compare it to a "normal" crown for that trunk diameter. While not a perfect system, it will help you apply a more accurate dose.

For trees that are missing large branches from storms, over pruning, or canopy suppression, estimate the percentage of crown missing and subtract this percentage from your dosage.

This is most important when dealing with Category A, B, and C trees because they are the most sensitive to the effects of Cambistat. With these trees, extra care must be given not to overdose. Trees in Categories D, E, and F have a higher margin of error and will be more difficult to over-regulate. However, too little Cambistat will not produce the results you are seeking.



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technical support
1-877-ARBORIST
 (1-877-272-6747)

Individual Dose Cambistat® Rate Card

We do not recommend using these rates with other growth regulator products.

Tree Size DBH (Diameter at Breast Height)	Category A		Category B		Category C		Category D		Category E		Category F	
	ml CAMBISTAT	ml WATER	ml CAMBISTAT	ml WATER	ml CAMBISTAT	ml WATER	ml CAMBISTAT	ml WATER	ml CAMBISTAT	ml WATER	ml CAMBISTAT	ml WATER
	4"	17	185	23	250	42	460	46	510	50	550	67
5"	21	230	28	310	52	575	57	630	63	690	83	920
6"	25	275	33	370	63	690	69	760	75	825	100	1,100
7"	44	480	58	645	73	805	80	885	88	965	117	1,285
8"	50	550	67	735	83	920	92	1,000	100	1,100	133	1,470
9"	56	620	75	825	94	1,030	103	1,135	113	1,240	150	1,650
10"	63	690	83	920	104	1,145	115	1,260	125	1,375	167	1,835
11"	69	755	92	1,010	115	1,260	126	1,390	138	1,515	183	2,020
12"	75	825	100	1,100	125	1,375	138	1,515	150	1,650	200	2,200
13"	81	900	108	1,190	135	1,490	149	1,640	163	1,790	217	2,385
14"	88	965	117	1,285	146	1,605	160	1,765	175	1,925	233	2,570
15"	94	1,030	125	1,375	156	1,720	172	1,895	188	2,065	250	2,750
16"	100	1,100	133	1,470	167	1,835	183	2,020	200	2,200	267	2,935
17"	106	1,170	142	1,560	177	1,950	195	2,145	213	2,340	283	3,120
18"	113	1,240	150	1,650	188	2,065	206	2,270	225	2,475	300	3,300
19"	119	1,310	158	1,745	198	2,177	218	2,395	238	2,615	317	3,485
20"	125	1,375	167	1,835	208	2,290	229	2,520	250	2,750	333	3,670
21"	131	1,445	175	1,925	219	2,410	241	2,650	263	2,890	350	3,850
22"	138	1,515	183	2,020	229	2,520	252	2,775	275	3,025	367	4,035
23"	144	1,580	192	2,110	240	2,635	264	2,900	288	3,165	383	4,220
24"	150	1,650	200	2,200	250	2,750	275	3,025	300	3,300	400	4,400
25"	156	1,720	208	2,295	260	2,865	287	3,150	313	3,440	417	4,585
26"	162	1,787	217	2,385	271	2,980	298	3,277	325	3,575	433	4,765
27"	169	1,855	225	2,475	281	3,095	310	3,400	338	3,715	450	4,950
28"	175	1,925	233	2,570	292	3,210	321	3,530	350	3,850	467	5,135
29"	181	1,995	242	2,660	302	3,320	332	3,660	363	3,990	483	5,320
30"	188	2,060	250	2,750	313	3,440	344	3,780	375	4,125	500	5,500
31"	194	2,130	258	2,840	323	3,550	355	3,910	388	4,265	517	5,685
32"	200	2,200	267	2,930	333	3,670	367	4,035	400	4,400	533	5,870
33"	206	2,270	275	3,025	345	3,780	378	4,160	413	4,540	550	6,050
34"	213	2,340	283	3,120	354	3,900	390	4,285	425	4,675	567	6,235
35"	219	2,405	292	3,210	365	4,010	400	4,410	438	4,810	583	6,415
36"	225	2,475	300	3,300	375	4,125	413	4,540	450	4,950	600	6,600
37"	231	2,545	308	3,390	386	4,240	424	4,664	463	5,090	617	6,780
38"	238	2,610	317	3,480	396	4,355	435	4,790	475	5,225	633	6,970
39"	244	2,680	325	3,575	406	4,470	447	4,915	488	5,365	650	7,150
40"	250	2,750	333	3,670	417	4,585	458	5,040	500	5,500	667	7,335
41"	256	2,820	342	3,760	427	4,700	470	5,168	513	5,640	683	7,520
42"	263	2,890	350	3,850	438	4,815	481	5,295	525	5,775	700	7,700
43"	269	2,955	358	3,940	448	4,930	493	5,420	538	5,915	717	7,885
44"	275	3,025	367	4,035	458	5,040	504	5,545	550	6,050	733	8,065
45"	281	3,095	375	4,125	469	5,155	516	5,670	563	6,190	750	8,250
46"	288	3,160	383	4,220	479	5,270	527	5,800	575	6,325	767	8,435
47"	294	3,230	392	4,310	490	5,385	539	5,924	588	6,463	783	8,615
48"	300	3,300	400	4,400	500	5,500	550	6,050	600	6,600	800	8,800
49"	306	3,370	408	4,490	510	5,615	560	6,175	613	6,740	817	8,985
50"	313	3,440	417	4,585	521	5,730	573	6,300	625	6,875	833	9,167

DO NOT USE this rate chart for other growth regulator products. Different active, concentration amounts and inert ingredients could deliver undesirable results.

