

Tree Reference List

Rate Category A
Australian pine (Not Austrian Pine)
Dogwood
Sweetgum (Eastern US)
Redbud

Rate Category B
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

Rate Category C
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)

Rate Category D
Ailanthus
Buckeye
Ironwood
Silver maple – large (>10"DBH)

Rate Category E
Baytree
Beech
Camphor
Catalpa
Chinaberry
Hickory
Honey Locust
Oak – Black
Oak – Blackjack
Oak – Live – large (>10"DBH)
Oak – Pin
Oak – Post
Oak – Red
Oak – Sandshinnery
Oak – Water
Oak – White
Oak – Willow
Paulownia
Russian Olive
Sassafrass
Walnut

Rate Category F
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

Experimental Rates	
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

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.



www.rainbowcivance.com

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

* 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.

HTI95 Cambistat Rates

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 dose / # of holes	ml dose / # of holes	ml dose / # of holes	ml dose / # of holes	ml dose / # of holes	ml dose / # of holes
4"	360 / BD*	480 / BD*	880 / BD*	965 / BD*	1052 / 4@263	1412 / 4@353
5"	440 / BD*	588 / BD*	1092 / 4@273	1200 / 4@300	1320 / 4@330	1740 / 5@348
6"	525 / BD*	693 / BD*	1320 / 5@264	1450 / 5@290	1575 / 5@315	2100 / 6@350
7"	924 / 6@154	1218 / 6@203	1530 / 6@255	1680 / 6@280	1848 / 6@308	2457 / 7@351
8"	1050 / 7@150	1400 / 7@200	1750 / 7@250	1925 / 7@275	2100 / 7@300	2800 / 8@350
9"	1080 / 8@135	1576 / 8@197	1976 / 8@247	2160 / 8@270	2368 / 8@296	3150 / 9@350
10"	1312 / 8@164	1752 / 8@219	2184 / 8@273	2400 / 8@300	2624 / 8@328	3501 / 9@389
11"	1440 / 8@180	1920 / 8@240	2400 / 8@300	2640 / 8@330	2888 / 8@361	3850 / 10@385
12"	1576 / 8@197	2096 / 8@262	2624 / 8@328	2888 / 8@361	3144 / 8@393	4200 / 10@420
13"	1710 / 9@190	2277 / 9@253	2844 / 9@316	3132 / 9@348	3411 / 9@379	4550 / 10@455
14"	1836 / 9@204	2448 / 9@272	3060 / 9@340	3366 / 9@374	3672 / 9@408	4895 / 11@445
15"	1962 / 9@218	2628 / 9@292	3285 / 9@365	3609 / 9@401	3933 / 9@437	5247 / 11@477
16"	2100 / 10@210	2800 / 10@280	3500 / 10@350	3850 / 10@385	4200 / 10@420	5592 / 12@466
17"	2230 / 10@223	2970 / 10@297	3720 / 10@372	4090 / 10@409	4460 / 10@446	5940 / 12@495
18"	2365 / 11@215	3146 / 11@286	3938 / 11@358	4334 / 11@394	4730 / 10@473	6305 / 13@485
19"	2486 / 11@226	3322 / 11@302	4158 / 11@378	4576 / 11@416	4980 / 12@415	6650 / 14@475
20"	2628 / 12@219	3504 / 12@292	4380 / 12@365	4812 / 12@401	5252 / 13@404	6990 / 15@466
21"	2760 / 12@230	3672 / 12@306	4596 / 12@383	5052 / 12@421	5512 / 13@424	7350 / 15@490
22"	2886 / 13@222	3848 / 13@296	4810 / 13@370	5291 / 13@407	5782 / 14@413	7696 / 16@481
23"	3016 / 13@232	4030 / 13@310	5031 / 13@387	5538 / 13@426	6034 / 14@431	8046 / 18@447
24"	3146 / 13@242	4199 / 13@323	5252 / 13@404	5772 / 13@444	6300 / 14@450	8388 / 18@466
25"	3276 / 14@234	4368 / 14@312	5488 / 14@392	6020 / 14@430	6566 / 14@469	8748 / 18@486
26"	3405 / 15@227	4545 / 15@303	5685 / 15@379	6255 / 15@417	6825 / 15@455	9100 / 20@455
27"	3540 / 15@236	4725 / 15@315	5910 / 15@394	6495 / 15@433	7080 / 15@472	9460 / 20@473
28"	3680 / 16@230	4896 / 16@306	6128 / 16@383	6736 / 16@421	7344 / 16@459	9800 / 20@490
29"	3808 / 16@238	5072 / 16@317	6352 / 16@397	6976 / 16@436	7616 / 16@476	10143 / 21@483
30"	3927 / 17@231	5253 / 17@309	6562 / 17@386	7225 / 17@425	7871 / 17@463	10494 / 22@477
31"	4063 / 17@239	5423 / 17@319	6783 / 17@399	7463 / 17@439	8126 / 17@478	10833 / 23@471
32"	4194 / 18@233	5598 / 18@311	6984 / 18@388	7704 / 18@428	8406 / 18@467	11178 / 23@486
33"	4338 / 18@241	5778 / 18@321	7218 / 18@401	7938 / 18@441	8658 / 18@481	11544 / 24@481
34"	4465 / 19@235	5947 / 19@313	7429 / 19@391	8170 / 19@430	8930 / 19@470	11900 / 25@476
35"	4598 / 19@242	6118 / 19@322	7657 / 19@403	8417 / 19@443	9196 / 19@484	12246 / 26@471
36"	4720 / 20@236	6300 / 20@315	7880 / 20@394	8660 / 20@433	9460 / 20@473	12610 / 26@485
37"	4860 / 20@243	6480 / 20@324	8100 / 20@405	8900 / 20@445	9720 / 20@486	12960 / 27@480
38"	4998 / 21@238	6657 / 21@317	8316 / 21@396	9135 / 21@435	9975 / 21@475	13300 / 28@475
39"	5124 / 21@244	6825 / 21@325	8526 / 21@406	9387 / 21@447	10248 / 21@488	13664 / 28@488
40"	5258 / 22@239	6996 / 22@318	8756 / 22@398	9636 / 22@438	10494 / 22@477	14007 / 29@483
41"	5368 / 22@244	7172 / 22@326	8976 / 22@408	9856 / 22@448	10758 / 22@489	14340 / 30@478
42"	5497 / 23@239	7360 / 23@320	9177 / 23@399	10097 / 23@439	11017 / 23@479	14694 / 31@474
43"	5640 / 24@235	7536 / 24@314	9408 / 24@392	10344 / 24@431	11280 / 24@470	15040 / 32@470
44"	5775 / 25@231	7700 / 25@308	9625 / 25@385	10600 / 25@424	11550 / 25@462	15411 / 33@467
45"	5902 / 26@227	7878 / 26@303	9854 / 26@379	10816 / 26@416	11804 / 26@454	15742 / 34@463
46"	6048 / 27@224	8046 / 27@298	10071 / 27@373	11070 / 27@410	12069 / 27@447	16100 / 35@460
47"	6160 / 28@220	8232 / 28@294	10276 / 28@367	11312 / 28@404	12348 / 28@441	16452 / 36@457
48"	6293 / 29@217	8410 / 29@290	10498 / 29@362	11542 / 29@398	12586 / 29@434	16798 / 37@454
49"	6420 / 30@214	8580 / 30@286	10710 / 30@357	11790 / 30@393	12870 / 30@429	17138 / 38@451
50"	6572 / 31@212	8742 / 31@282	10943 / 31@353	12028 / 31@388	13113 / 31@423	17511 / 39@449

Mixing Instruction

for use with HTI95 injection

system:

20 parts

water to

1 part

Cambistat

Injection sites

should be

evenly

distributed

around the tree

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

*basal drench

