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University of Minnesota Department of Forest Resources



## Minnesota Tree Care Advocate

Minnesota's Tree Care Advisors: People Helping Trees Help Communities

# 2016 Annual Report

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March 2017

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# Tree Care Advocate Program Overview

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Minnesota Tree Care Advocate is an organization of University of Minnesota trained volunteers throughout the state that are dedicated to community forestry. It is currently comprised of **three** community forestry programs including **Tree Care Advisor**, **Citizen Pruner**, and **Tree Steward**. Minnesota Tree Care Advocate works to educate members of the state about their urban forest so that they, in turn, can volunteer in their neighborhoods and community.

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***From 1993 to 2016, 520 volunteers have attended a Tree Care Advocate training in Minnesota.***

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# Minnesota Tree Care Advisors

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The **Minnesota Tree Care Advisor Program**, founded in 1993, aids in the development of environmental stewards through education & promoting volunteerism. Tree Care Advisor volunteers provide communities throughout the state with a valuable pool of **educated stewards** to support & enhance our urban and community forests. Tree Care Advisors are welcome to pursue any volunteer activities related to tree care that suit their preferences. This extends from organizing volunteer tree inventory training & events in their community to attending tree planting events throughout the state.

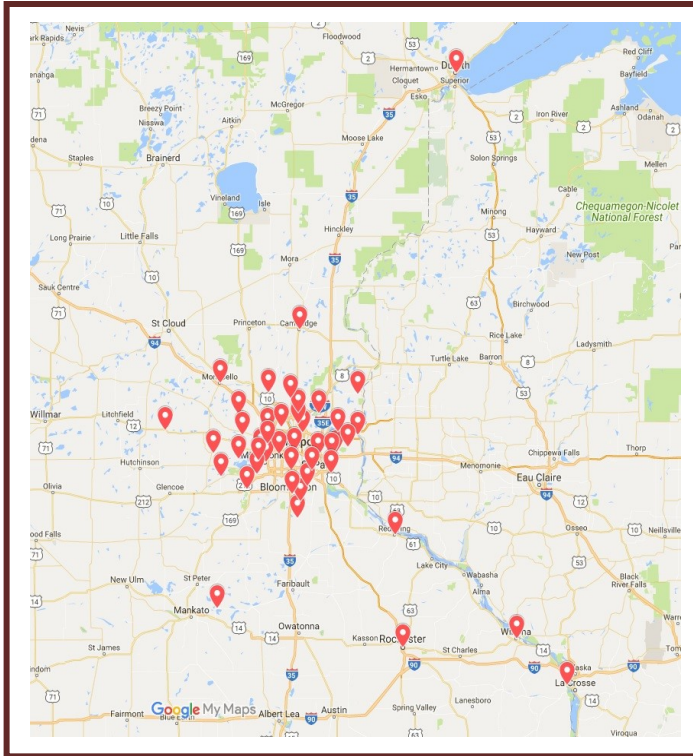
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***In 2016, Tree Care Advisors completed an average of 14.55 hours on education.***

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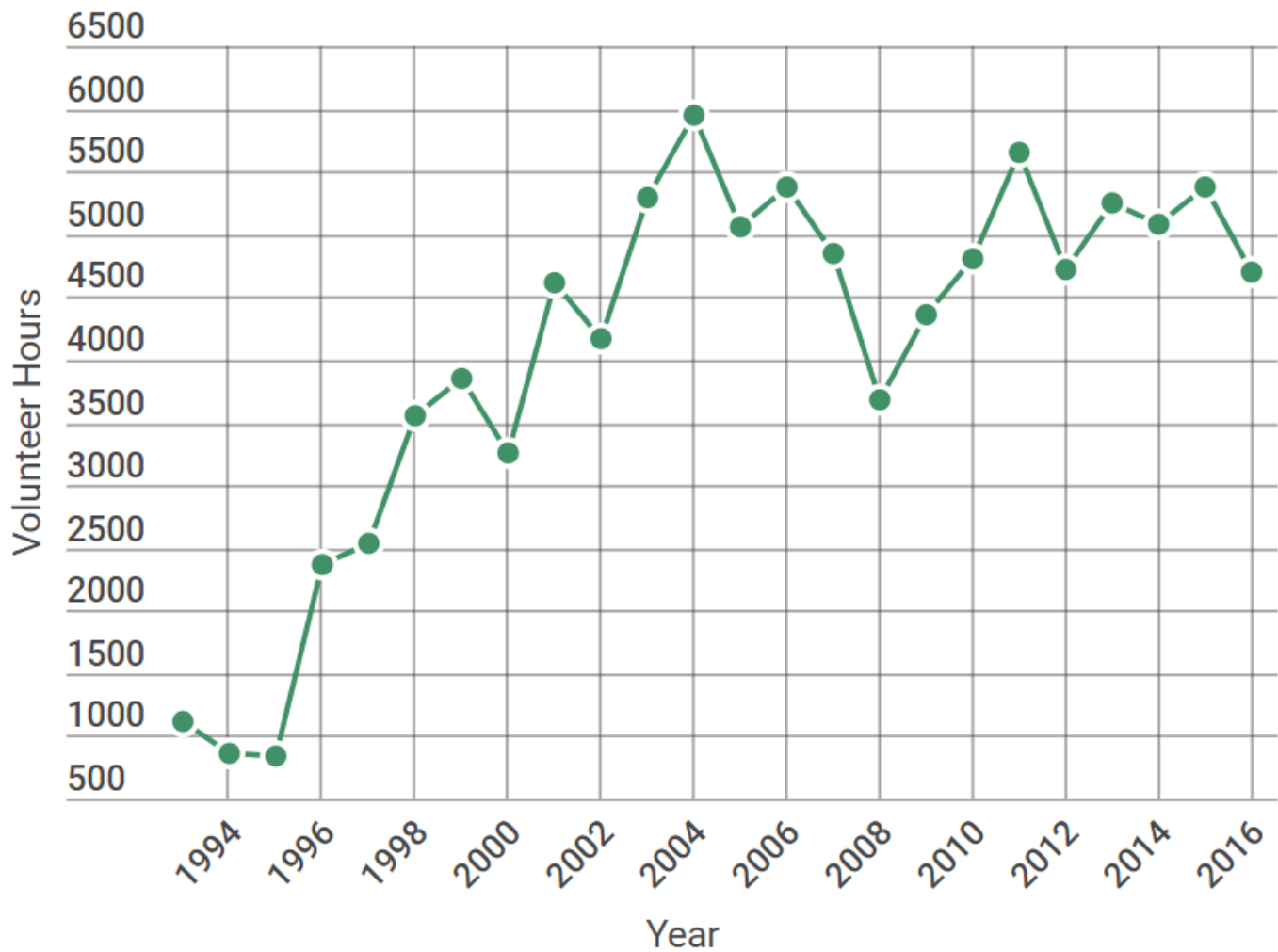
# Tree Care Advisor Locations

Below is a map and list of active **Tree Care Advisors** locations in Minnesota.



Andover	Hastings	Minneapolis	Saint Louis Park
Apple Valley	Hanover	Minnetonka	Saint Paul
Blaine	La Crescent	Monticello	Scandia
Brooklyn Park	Lake Elmo	Mound	Spring Lake Park
Burnsville	Lakeville	New Brighton	Stillwater
Cambridge	Line Lakes	Newport	Waconia
Chanhassen	Loretto	Oakdale	Watertown
Chaska	Madison Lake	Plymouth	Wayzata
Cokato	Mahtomedi	Ramsey	Winona
Deephaven	Maple Grove	Red Wing	
Duluth	Maplewood	Richfield	
Eagan	Mendota Heights	Rochester	

# Tree Care Advisor Volunteer Hours per Year



***In 2016, Tree Care Advisors completed a total of 4,688.05 volunteer hours. From 1993 to the end of 2016, volunteers have completed a total of 97,338.83 volunteer hours.***

# Tree Care Advisor Financial Contributions

Year	Total Hours	Hourly Rate *\$ per Hour	Value to MN in \$
1993	1110.00	\$12.35	\$13,708.50
1994	861.50	\$12.68	\$10,923.82
1995	847.50	\$13.05	\$11,059.88
1996	2368.50	\$13.47	\$31,903.70
1997	2539.35	\$13.99	\$35,525.51
1998	3559.25	\$14.56	\$51,822.68
1999	3858.20	\$15.09	\$58,220.24
2000	3247.50	\$15.68	\$50,920.80
2001	4608.00	\$16.27	\$74,972.16
2002	4176.95	\$16.74	\$69,922.14
2003	5288.65	\$17.19\$	\$90,911.89
2004	5949.80	\$17.55	\$104,418.99
2005	5065.45	\$18.04	\$91,380.72
2006	5381.85	\$18.77	\$101,017.32
2007	4840.55	\$19.51	\$94,439.13
2008	3688.85	\$20.25	\$74,699.21
2009	4352.85	\$20.90	\$90,974.57
2010	4813.35	\$20.90	\$100,599.02
2011	5653.50	\$21.79	\$123,189.77
2012	4722.60	\$22.14	\$104,558.36
2013	5256.43	\$24.31	\$127,783.81
2014	5077.65	\$24.83	\$126,078.05
2015	5382.50	\$24.83	\$133,647.48
2016	4688.05	\$25.20	\$118,138.86

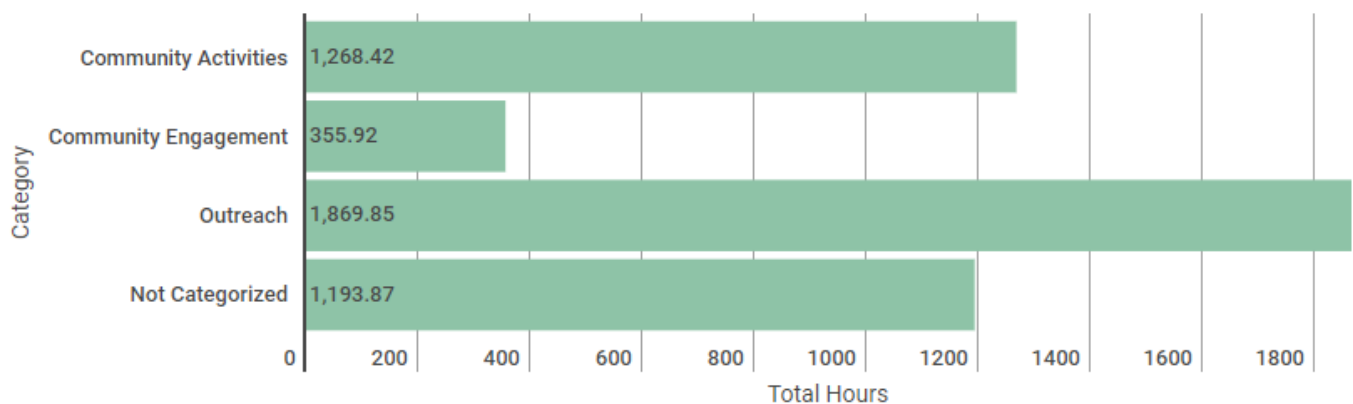
***Collectively, monetary contributions from Tree Care Advisors between 1993 and 2016 totals \$2,452,938.52 (based on 2016 figures).***



# Tree Care Advisor Activities by Category

**Minnesota Tree Care Advisor Program** volunteers completed their hours in many ways. Below you can find a breakdown based on three general categories: **outreach** (includes setup, tabling, and take down of booths, leading/teaching a class for adults or youth, answering questions from the public and citizens, responding to inquiries for the Forest Outreach Line, etc.), **community activities** (includes assisting with tree plantings, tree maintenance, pruning events, watering trees, etc.), and **community engagement** (includes sitting on tree/environmental boards, assisting to write ordinances, planning events within a community, etc.)

## Tree Care Advisor Volunteer Hours by Category



*In 2016, Tree Care Advisors completed an average of 59.34 volunteer hours.*



# Minnesota Citizen Pruners

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The **Minnesota Citizen Pruner Program** aids in increasing local capacity by working with municipalities and engaging citizen in community forestry upkeep. Citizen Pruners are trained in **tree biology, tree species identification and pruning restrictions, pruning techniques, and types of removals** the community asks volunteer to preform. Citizen Pruners are able to manage small branches near the ground while tree care professionals can focus on larger branches higher in the tree canopy. Completing this ground work is vital for **clearing sightlines, blocked sidewalks, and improving the health** of both young and mature trees.

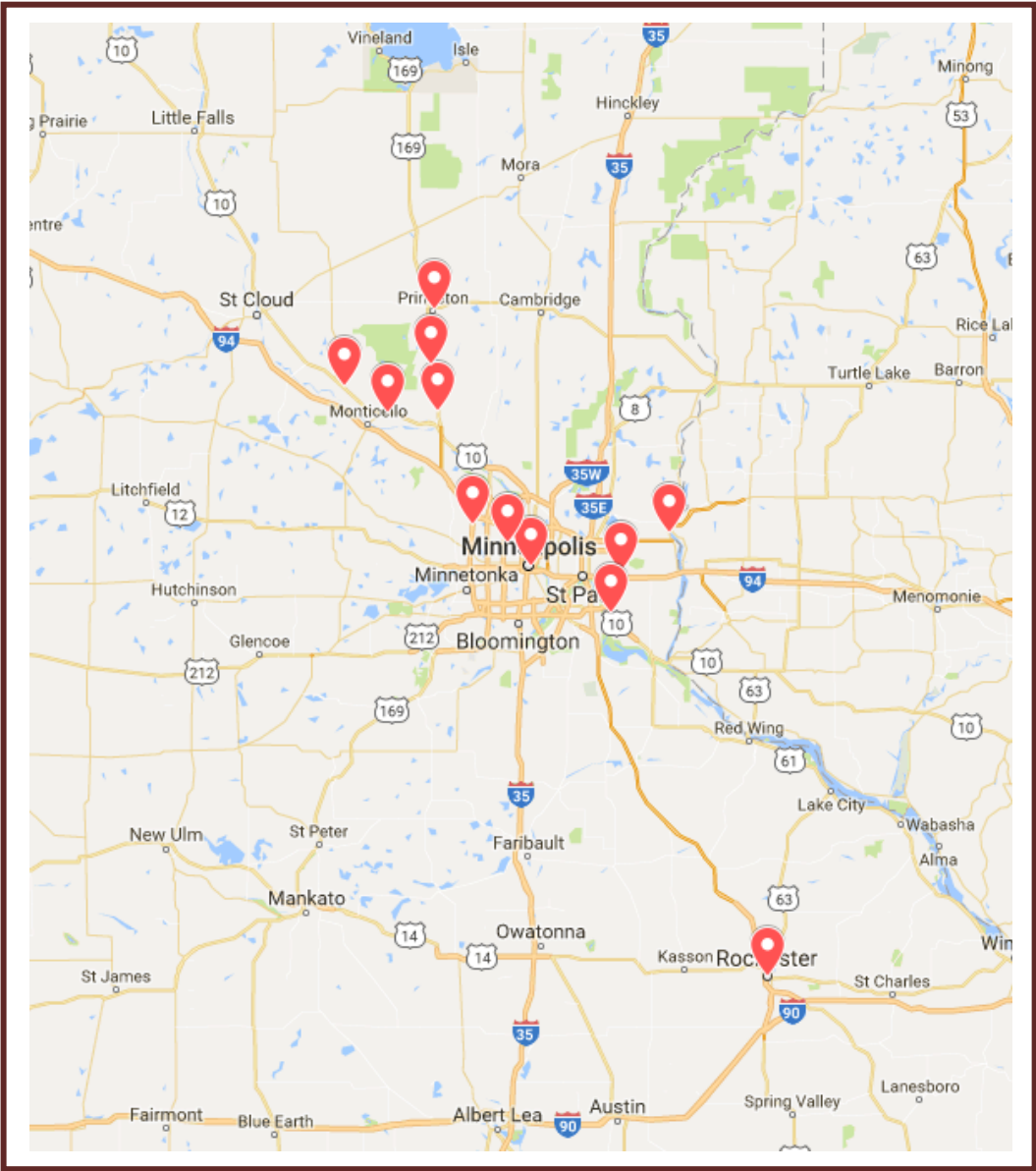
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***In 2016, Citizen Pruners completed a total of 487.8 volunteer hours.***

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# Participating Citizen Pruner Locations

Below is a map of communities where active **Citizen Pruner** work was accomplished in 2016.



Becker	Maple Grove	Oakdale	Rochester
Big Lake	Minneapolis	Princeton	Stillwater
Elk River	Newport	Robbinsdale	Zimmerman

# Minnesota Citizen Pruner Accomplishments

The following data was collected for all of the following participating Citizen Pruner communities: Maple Grove, Minneapolis, Oakdale, Newport & St. Paul Park, Sherburne County, Rochester, and Robbinsdale.

Community	Hours	Monetary Value	Active Volunteers	# Trees Pruned	Suckers/ Sprouts Removed	Light Pruning	Develop- mental Pruning	Materials Removed	Tree Reported
Maple Grove	51.5	\$1,297.80	5	112	8	9	100	4	4
Minneapolis*	69	\$1,738.80	22	50	46	0	0	0	100
Oakdale, Newport, &	169.5	\$4,271.40	17	281	169	249	67	1	0
Sherburne County	152.8	\$3,850.56	19	584	372	329	106	16	6
Rochester**	34.5	\$869.40	5	—	—	—	—	—	—
Robbinsdale	10.5	\$264.60	3	8	1	0	8	0	0
<b>Totals:</b>	<b>487.8</b>	<b>\$12,292.56</b>	<b>71</b>	<b>1,035</b>	<b>596</b>	<b>587</b>	<b>281</b>	<b>21</b>	<b>20</b>

\*There was missing data on select field forms so the number of trees pruned and subsequent details may be inaccurate.

\*\*No field forms with data collection details were returned to program coordinator. Hours were self reported by volunteers.

***In 2016, Citizen Pruners in Minnesota  
completed an average of 6.87 volunteer hours.***

# Maple Grove Accomplishments

Maple Grove has been involved with the Citizen Pruner Program since 2016.

<b>Total Volunteer Hours</b>	<b>51.5 hours</b>
<b>Total Monetary Contribution (Based on 2016 values - rate of \$25.20/hr.)</b>	<b>\$1,297.80</b>

<b>Total Number of Trees Pruned</b>	<b>112 trees</b>
Total trees with sucker/sprout removals	8 trees
Total trees with light pruning (e.g. broken, damaged, low branches)	9 trees
Total trees with developmental pruning	100 trees
Total trees with material removals (e.g. string, wraps, tags)	4 trees
Total trees reporting to the city because of concerns	4 trees

***Maple Grove has a total of 5 active volunteers and completed an average of 10.3 volunteer hours.***

# Minneapolis Accomplishments

Minneapolis has been involved with the Citizen Pruner Program since 2016. Minneapolis volunteers only assist with sucker and sprout removals at this time.

<b>Total Volunteer Hours</b>	<b>69 hours</b>
<b>Total Monetary Contribution (Based on 2016 values - rate of \$25.20/hr.)</b>	<b>\$1,738.80</b>

<b>Total Number of Trees Pruned</b>	<b>50 trees*</b>
Total trees with sucker/sprout removals	46 trees
Total trees with light pruning (e.g. broken, damaged, low branches)	0 trees
Total trees with developmental pruning	0 trees
Total trees with material removals (e.g. string, wraps, tags)	0 trees
Total trees reporting to the city because of concerns	10 trees

*\*There was missing data numbers related to total trees pruned, sucker/sprout removals and trees reported for concern on the field forms collected in Minneapolis during 2016.*

***Minneapolis has a total of 22 active volunteers and completed an average of 3 volunteer hours for 2016.***

# Oakdale, Newport, & St. Paul Park Accomplishments

Oakdale, Newport & St. Paul Park have been involved with the Citizen Pruner Program since 2016.

<b>Total Volunteer Hours</b>	<b>169.5 hours</b>
Hours in Newport	133 hours
Hours in Oakdale	9.5 hours
Hours in Stillwater	27 hours
<b>Total Monetary Contribution (Based on 2016 values - rate of \$25.20/hr.)</b>	<b>\$4,271.40</b>

<b>Total Number of Trees Pruned</b>	<b>281 trees</b>
Total trees with sucker/sprout removals	169 trees
Total trees with light pruning (e.g. broken, damaged, low branches)	249 trees
Total trees with developmental pruning	67 trees
Total trees with material removals (e.g. string, wraps, tags)	1 tree
Total trees reporting to the city because of concerns	0 trees

***Oakdale, Newport, & St. Paul Park have a total of 17 active volunteers and completed an average of 9.97 volunteer hours for 2016.***

# Sherburne County Accomplishments

Sherburne County has been involved with the Citizen Pruner Program since 2014. Sherburne County's involved cities are Becker, Big Lake, Elk River, Princeton, and Zimmerman.

<b>Total Volunteer Hours</b>	<b>152.8 hours</b>
Hours in Becker	22 hours
Hours in Big Lake	32.25 hours
Hours in Elk River	51.8 hours
Hours in Princeton	13.75 hours
Hours in Zimmerman	33 hours
<b>Total Monetary Contribution (Based on 2016 values - rate of \$25.20/hr.)</b>	<b>\$3,850.56</b>

<b>Total Number of Trees Pruned</b>	<b>584 trees</b>
Total trees with sucker/sprout removals	372 trees
Total trees with light pruning (e.g. broken, damaged, low branches)	329 trees
Total trees with developmental pruning	106 trees
Total trees with material removals (e.g. string, wraps, tags)	16 trees
Total trees reporting to the city because of concerns	6 trees

***Sherburne County has a total of 19 active volunteers and completed an average of 8 hours for 2016.***



# Rochester Accomplishments

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Rochester has been involved with the Citizen Pruner Program since 2013.

Total Volunteer Hours	34.5 hours*
Total Monetary Contribution (Based on 2016 values - rate of \$25.20/hr.)	\$869.40

*\*No field forms with data collection details were returned to program coordinator. Hours were self reported by volunteers.*

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***Rochester has a total of 5 active volunteers and completed an average of 6.9 volunteer hours.***

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# Robbinsdale Accomplishments

Maple Grove has been involved with the Citizen Pruner Program since 2015.

Total Volunteer Hours	10.5 hours
Total Monetary Contribution (Based on 2016 values - rate of \$25.20/hr.)	\$264.60

Total Number of Trees Pruned	8 trees
Total trees with sucker/sprout removals	1 tree
Total trees with light pruning (e.g. broken, damaged, low branches)	0 trees
Total trees with developmental pruning	8 trees
Total trees with material removals (e.g. string, wraps, tags)	0 trees
Total trees reporting to the city because of concerns	0 trees

*Robbinsdale has a total of 3 active volunteers and completed an average of 3.5 volunteer hours.*

# Community Forest Outreach Line

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The **Community Forestry Outreach Line** has been staff by Tree Care Advisors since 2013. Minnesotans can contact the information help desk throughout the year via two ways: by **phone** or by **e-mail**, whichever way is most convenient for the resident. Once the phone or email messages are received, Tree Care Advisor volunteers research the resident's tree-related questions and provide them with a **non-biased resolution** to their questions. In 2016, the Outreach Line was staffed by **Annette LeDuc** and **Mary Magers**. Since 2013, volunteers have answered **887** questions from the public.

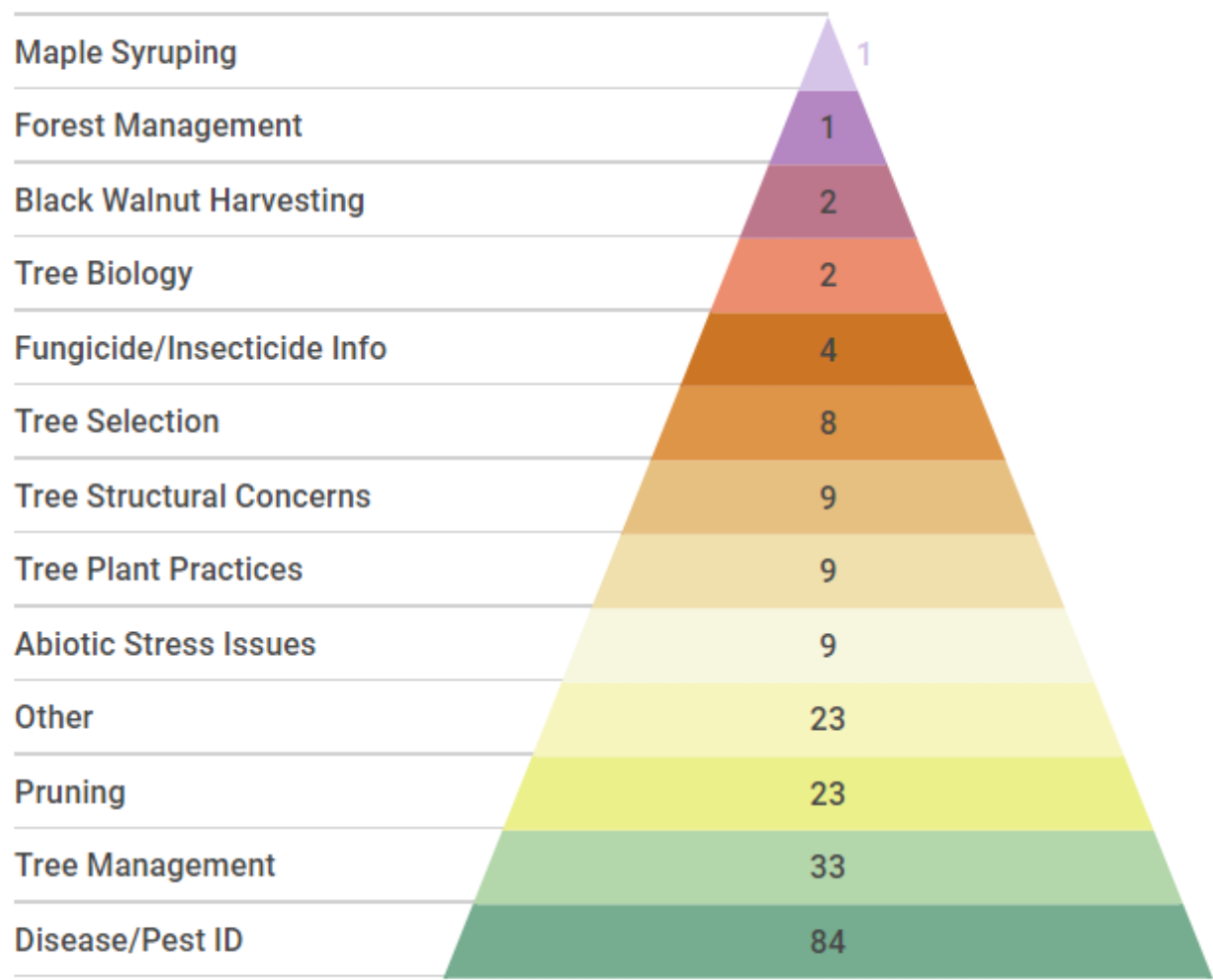
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*In 2016, volunteers answered 208 questions from the public in total.*

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# Community Forestry Outreach Line Question Topics

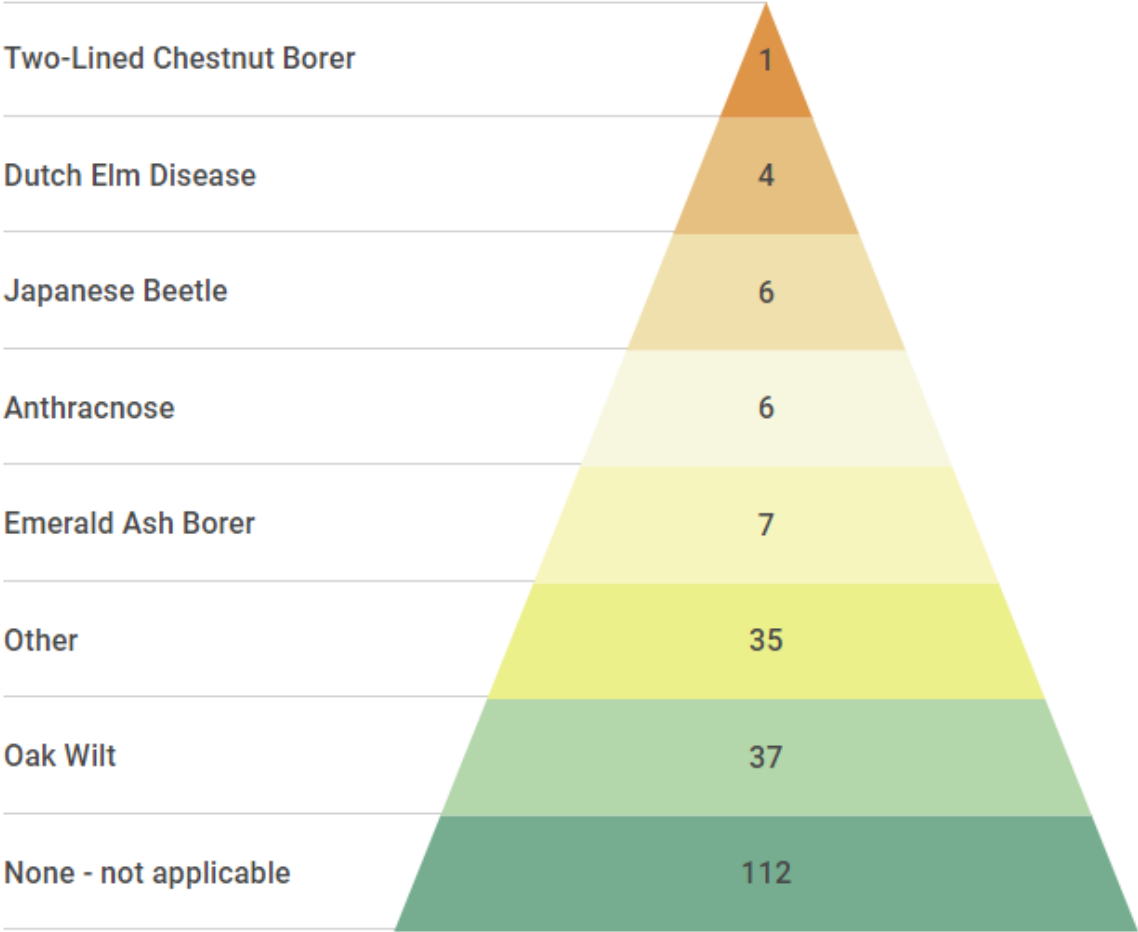
Throughout 2016, many questions reached our volunteers. Below, you can find the breakdown of question topics.



*In 2016, 180 of questions were received via phone and 28 questions were received via e-mail.*

# Community Forestry Outreach Insect/Disease Questions

Below is the breakdown of questions regarding insects and disease. “Other” includes: apple scab, ash yellows, bark beetles, black knot of cherry, bur oak blight, cedar-apple rust, Cytospora canker, leaf spot, Rhizosphaera needle cast, slime mold, verticillium wilt, white pine blister rust.



*In 2016, 180 of questions were received via phone and 28 questions were received via e-mail.*