

Rapid Assessment of Ash and Elm Resources in Minnesota Communities

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Introduction

In the early 21st Century, resurgence of Dutch elm disease (*Ophiostoma ulmi*) put populations of elms (*Ulmus* spp.) in Minnesota towns at the greatest risk since the epidemic infections of the 1970s and 1980s. The U.S. Forest Service has attributed the renewed outbreak to decreasing community vigilance, together with buildups of insect vectors and host trees in the wild (Haugen 1998). All native elm species are susceptible to some extent.

The same period saw the introduction of a new urban forestry threat in the shape of emerald ash borer (*Agrilus planipennis*), a beetle introduced from Asia, larvae of which kill ash trees (*Fraxinus* spp.) by feeding on the inner bark (McCullough and Katovich 2004). The insect has destroyed millions of trees in Michigan, Ohio, Indiana, Illinois and southern Ontario, in the face of costly eradication and quarantine efforts since its establishment around 2000. All native Minnesota ash species are susceptible, though the borer has not, as of 2006, been detected in the state.

Efforts to combat such urban forestry threats often involve inventories to assess the size and distribution of the populations at risk or under actual attack. Bloniarz *et al.* (2003) describe applications of modern geographic information system (GIS) and Global Positioning System (GPS) technology in the context of urban forest inventory. Public and private agencies as far apart as Washington D.C. and Alberta have used these and more traditional tools to inventory and map threatened elms (see web accounts at [http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/prm4494](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/prm4494), <http://www.cps-scp.ca/pathologynews/dutchelmdisease.htm>, and <http://www.caseytrees.org/pdfs/ElmFactSheet061406L.pdf> describing these and similar elm inventories.)

In response to emerald ash borer infestation, Michigan investigators in 2005 undertook inventories of threatened and attacked *Fraxinus* species (<http://www.forestprod.org/smallwood06weatherspoon.pdf>.) The states of Illinois (http://dnr.state.il.us/conservation/forestry/urban/IAA_1020_06.htm) and Ohio (http://www.dnr.state.oh.us/forestry/eab/pdf/EABmanagement_plan032406.pdf) include inventories of threatened species in their community action plans. Researchers at a recent U.S. Forest Service conference on ash borer management in the U.S. and Canada (Adams and Sapio 2004), describing inventory requirements for establishing an extensive "reduced ash zone" to inhibit spread and impact of the pest, remark that conventional

Forest Inventory and Analysis (FIA) data are of limited utility in urban forestry applications:

Urban areas or areas classed as “non-forest” are currently not well-represented in FIA, creating a need to capture additional information on ash density where FIA plots do not exist.

In particular, any economic analysis of potential ash and elm impacts comparable to that performed by Nowak *et al.* (2001) on the possible toll of the comparatively omnivorous Asian longhorned beetle (*Anoplophora glabripennis*) would require more specific and better-localized data than FIA provides.

Objectives

Many smaller communities in Minnesota have little or no information on species composition and health of street and yard trees. In 2006 we undertook a project intended to characterize at low cost the abundance, size and condition of the *Ulmus* and *Fraxinus* resource in residential and commercial areas of Minnesota municipalities. We conducted on-the-ground sample surveys of more than 750 separate communities across the entire state to gather the data.

Methods

General: Field survey was obviously necessary to accomplish the aim; no available remote technique would provide the required discrimination of tree genera, or detect trees in the sapling (1-5" diameter) class. Three two-person crews with vehicles were deployed to conduct a "windshield" survey during summer 2006. Residential and business streets were used as our sampling frame: crews would drive a specified distance along streets in each municipality, visually tallying all ash and elm individuals within one chain (66') of the pavement edge in the following classes:

Genus	Ash	<i>Fraxinus</i> spp.
	Elm	<i>Ulmus</i> spp.
Size class	Sapling	1-5" diameter breast high
	Pole	5-12" diameter
	Sawtimber	>12" diameter
Condition	Healthy	< 30% visible crown damage
	Discoloration	>30% of crown affected
	Dieback	>30% of crown affected
	Dead	

Delineating Areas of Interest: The survey was intentionally confined to residential neighborhoods and main business corridors within municipalities. Primary interest lay in

street and yard trees in these areas, not in woodlot trees in areas of low population density. This meant that legal limits of municipalities could not be relied on to define the area under study, as in many rural communities these encompass a great deal of land and water remote from residential/commercial neighborhoods. In each of the 789 communities to be sampled, street maps were overlaid on 2003 aerial photography, and a GIS was used to delineate a study area boundary including only roaded residential and business areas as far as they could be distinguished. Sample results would be expanded to the area enclosed by this boundary.

Sampling intensity: Time and resources precluded a complete census of all residential streets in all communities. Instead, the sample was proportioned to the total street mileage in each town:

<i>Total street mileage</i>	<i>Percentage sampled</i>
< 1 mile	100%
1-2 miles	75%
2-4 miles	50%
4-6 miles	33%
6-10 miles	25%
10-15 miles	20%
15-20 miles	15%
20-30 miles	12%
30-45 miles	10%
45-75 miles	7%
75-200 miles	5%
200-350 miles	4%
350-1000 miles	3%
>1000 miles	2%

Street miles to be surveyed were calculated on this basis for each of 789 municipalities. An orthophoto road map of the study area was prepared for each, and distributed to field crews. A general map of the communities surveyed appears as Figure 1 below, and a sample municipal orthophotomap surveyed appears as Figure 2.

Field methods: Crews drove their assigned street mileage in each community, recording all ash and elm trees observed within 66 feet from either edge of the street. The data form used appears as Figure 3 below.

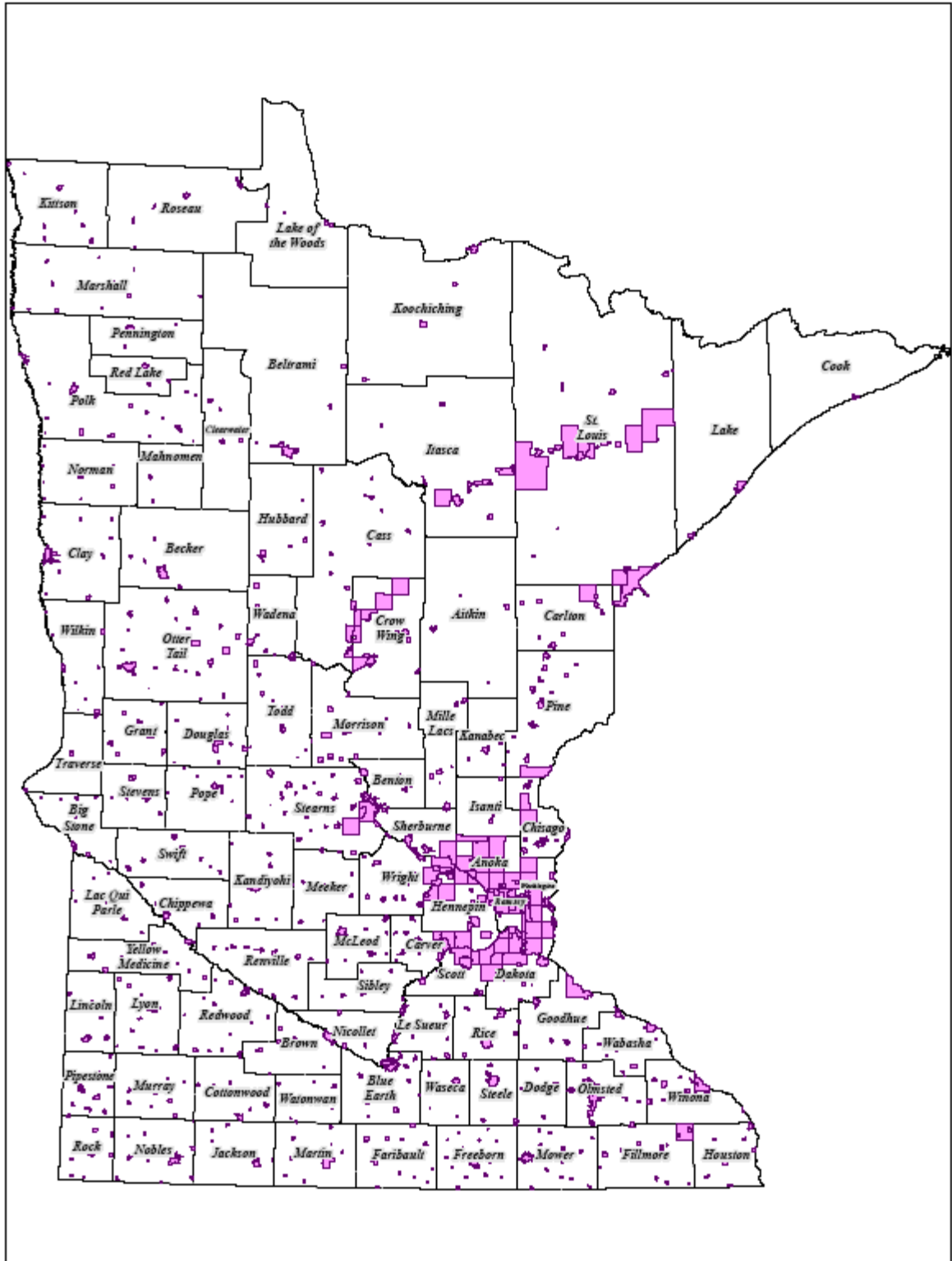


Figure 1. Map of communities surveyed. Outlines show legal boundaries.

Population: 3104

Print Date: Dec 07, 2008

Wadena County City of Staples

Drive **2.9** Miles of
City Streets in this Town

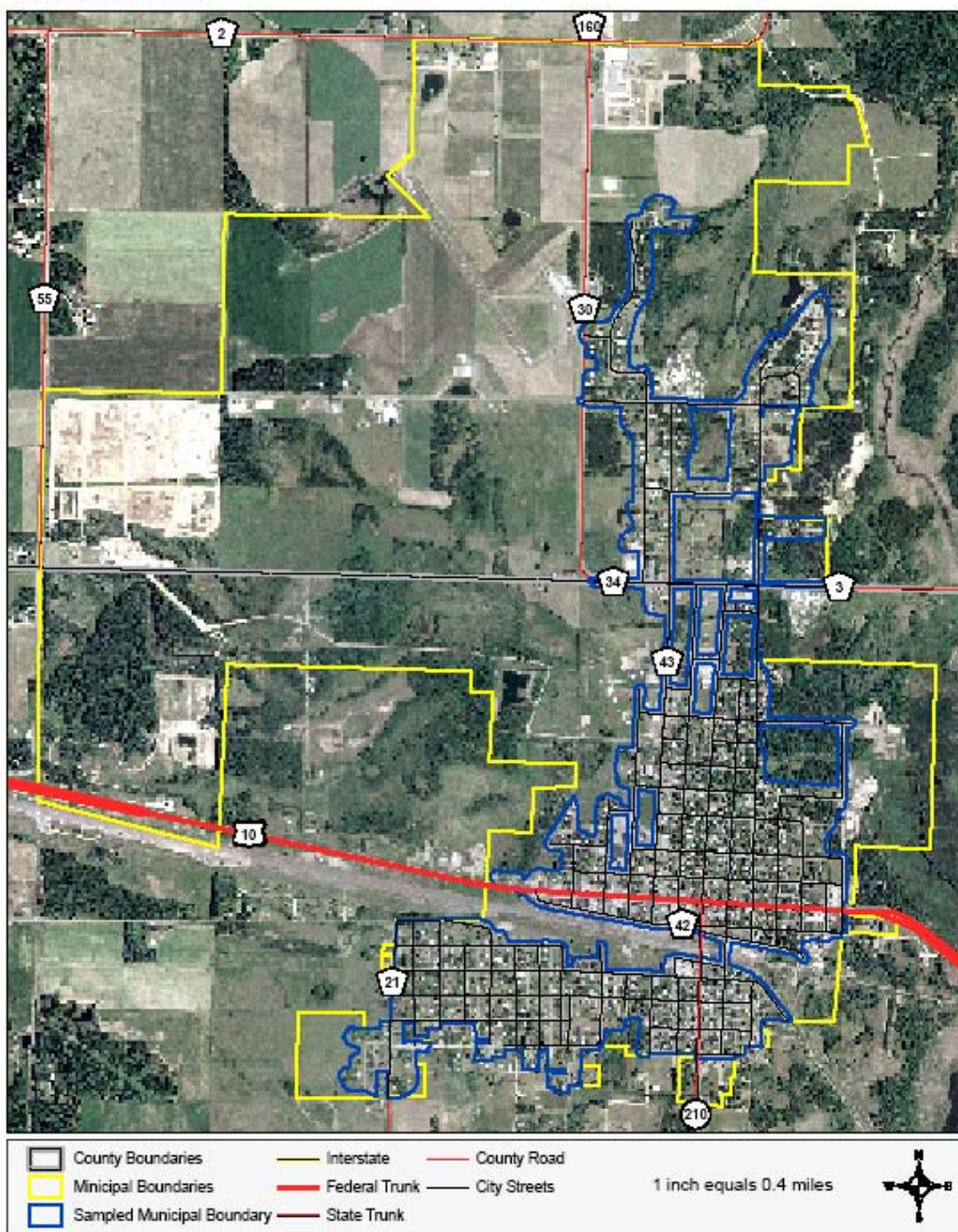


Figure 2. Orthophotomaps like this were the primary navigational tool used by field crews in making the survey. The yellow outline represents the legal boundary of the municipality; the blue outline delineates the residential-commercial area of interest, to which sample data were expanded.

LUG:	Date:	Miles Surveyed:	Crew:			
	# Elm					% Elm in LUG:
	Healthy	Stressed			Dead	Remarks
		Dieback	Discoloration	Dieback & Discoloration		
Saplings (1 – 5 inch)						
Pole (5 – 12 inch)						
Sawtimber (12 inch plus)						
Total						
	# Ash					% Ash in LUG:
	Healthy	Stressed			Dead	Remarks
		Dieback	Discoloration	Dieback & Discoloration		
Saplings (1 – 5 inch)						
Pole (5 – 12 inch)						
Sawtimber (12 inch plus)						
Total						

Figure 3. Field tally sheet used to record tree observations.

Data quality control: A blind check of crews' survey results was run in 69 of the 789 communities surveyed. Crews other than those who gathered the original data, including supervisory personnel, conducted the checks. The checks uncovered substantial differences in crews' ability to distinguish and count target trees. One crew's communities were resurveyed on account of discrepancies identified in field checks.

Results

At an approximate cost of \$75 for fieldwork and \$65 for office work per community, basic data on presence, size, and condition of ash and elm trees in residential areas of nearly 800 highly diverse municipalities across Minnesota were generated. These data are presented in map form in Figures 4-9 on the following pages. Statewide summary data appear in Tables 1-4 at the end of this report. A complete tabulation of ash and elm in all communities in each county is given in a separate Appendix.

Field checks indicated that ash were undercounted by 14 percent and elm by 33 percent statewide, taking field-check counts as the basis (Table 4.) Most of the variation occurred in the sapling (1-5" diameter) class. Excluding this class, statewide ash field check totals differed from the initial count by 1 percent, while elms were underestimated by 18 percent. We had hoped that community-by-community field check figures would be within 30 percent of original count data in two-thirds of cases; ash counts met this goal in 68 percent of communities, but elm counts did so in only 43 per cent.

Preliminary calculations using benefit-cost tables from the USDA *Midwest Community Tree Guide* (McPherson *et al.* 2005) suggest that the elm population identified in this survey provided approximately \$29 million, and the ash population \$20 million, in net public benefits in the year 2006.¹

Discussion

The survey achieved its primary objective: cost-effective field estimates of the distribution, size and condition of two at-risk tree genera in a large number of communities. The results represent the most thorough estimate of residential ash and elm ever attempted in Minnesota; they will be of value in evaluating future tree health measures relating to these genera, and will facilitate communication with legislators and policymakers considering investments to protect urban trees.

This type of survey could be conducted on a continuous basis, and its scope expanded to include all major tree genera in Minnesota communities. Costs per municipality could be expected to rise to approximately \$330, amounting to about \$272,000 statewide, or \$68,000 annually for a four-panel continuous program.

¹ D. Mueller, MN DNR Community Forestry Partnership Coordinator

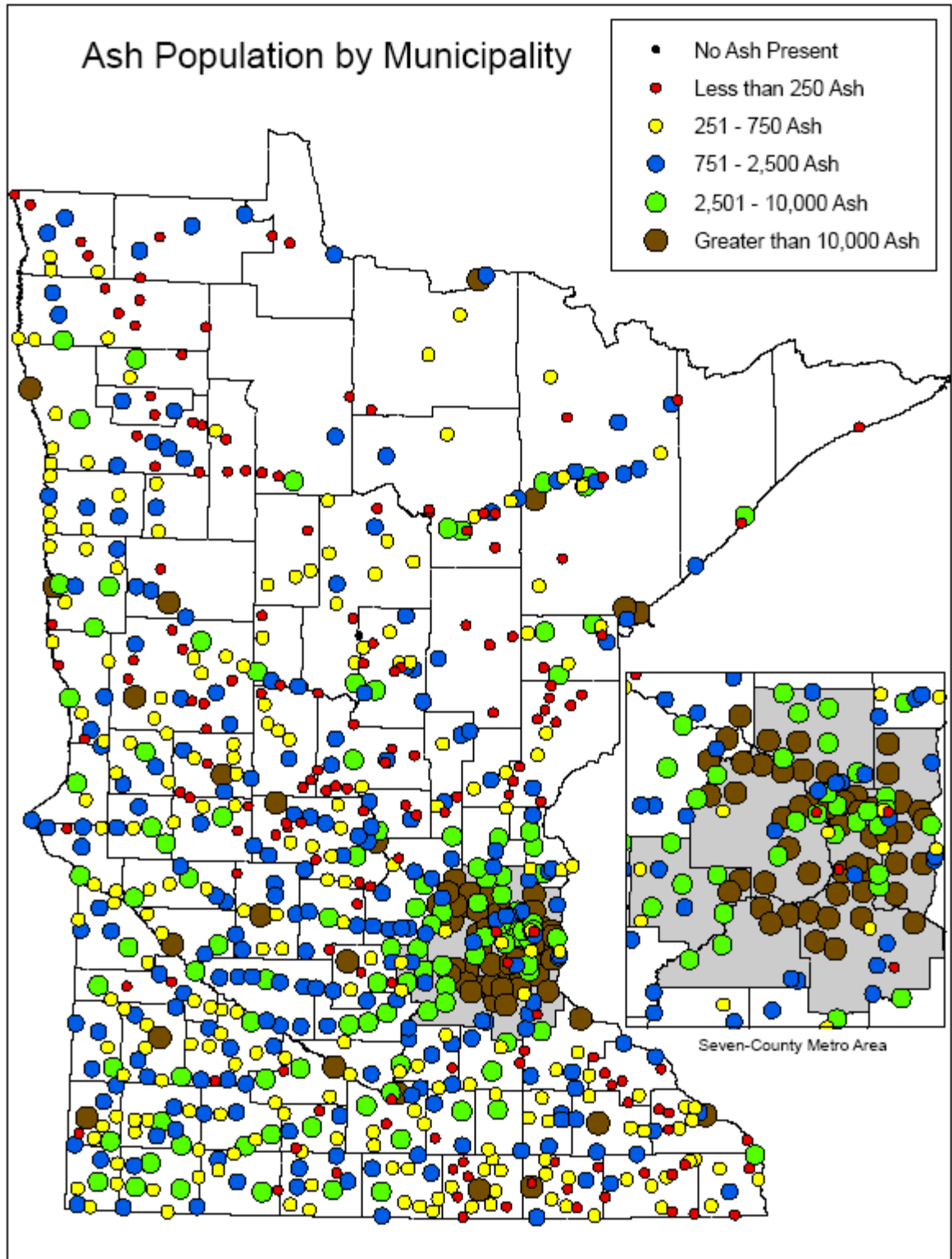


Figure 4. Ash populations in Minnesota municipalities, all tree-size classes.
 (Inset shows Minneapolis-St. Paul metropolitan area at enlarged scale.)

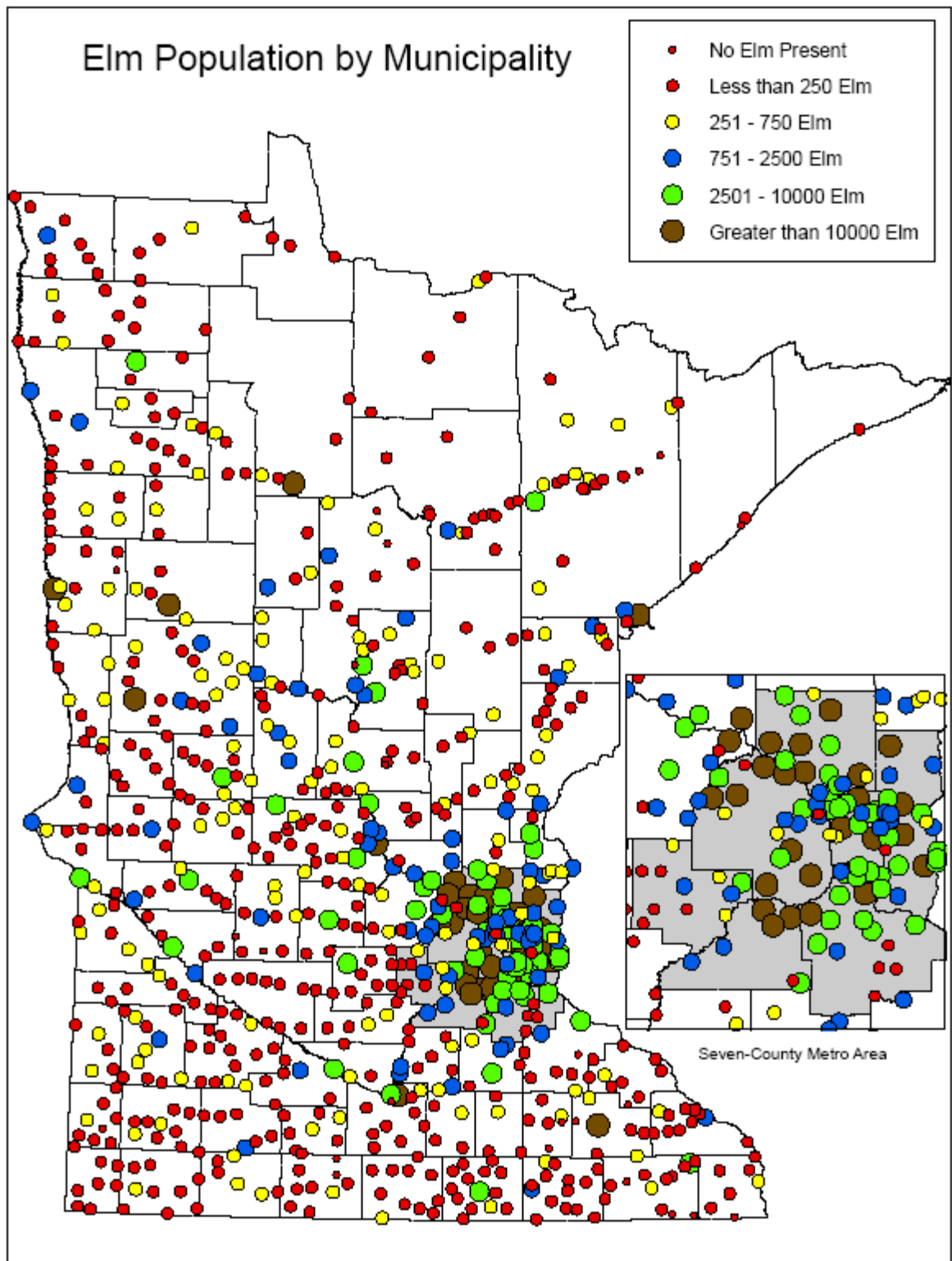


Figure 5. Elm populations in Minnesota municipalities.

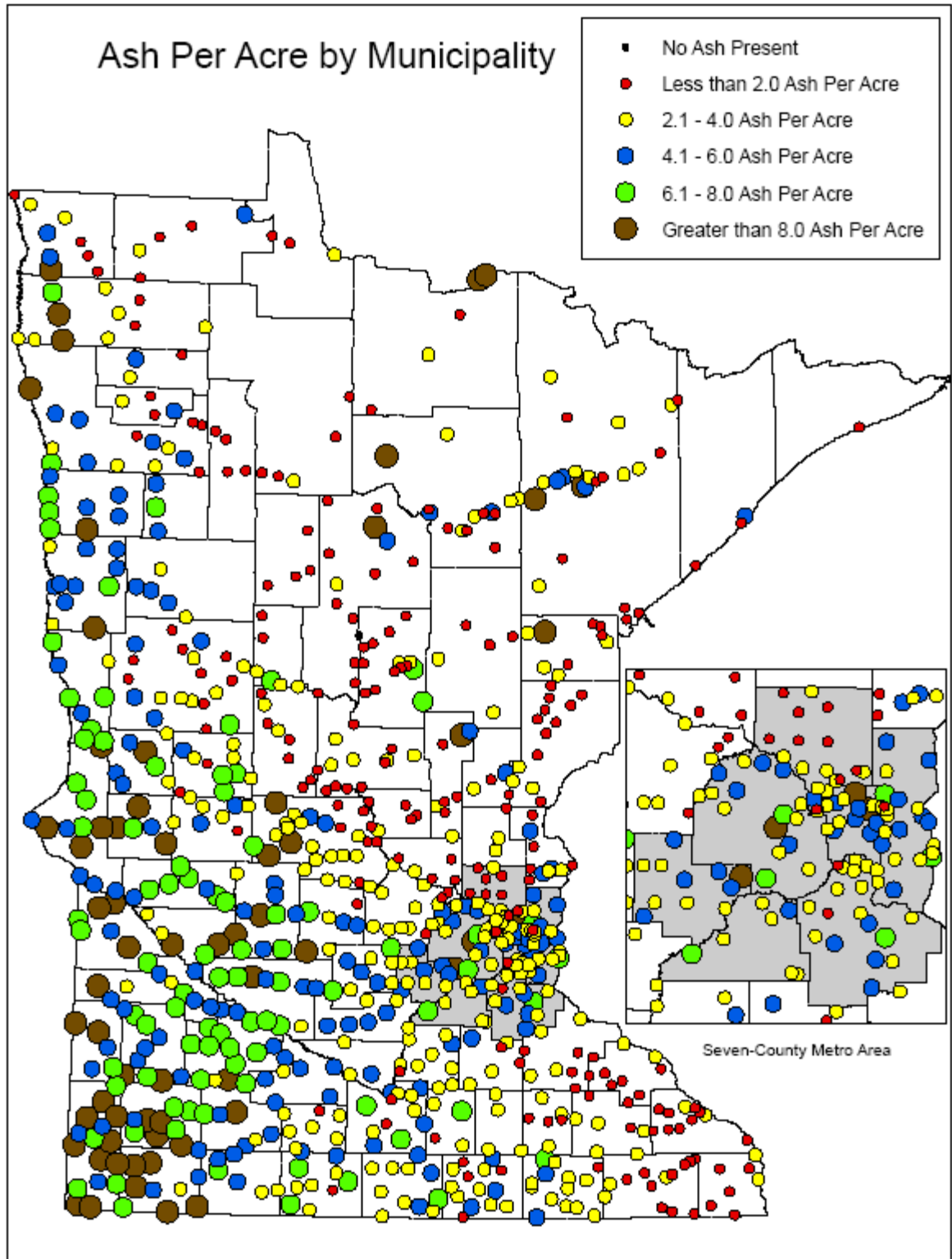


Figure 6. Ash density in Minnesota municipalities.

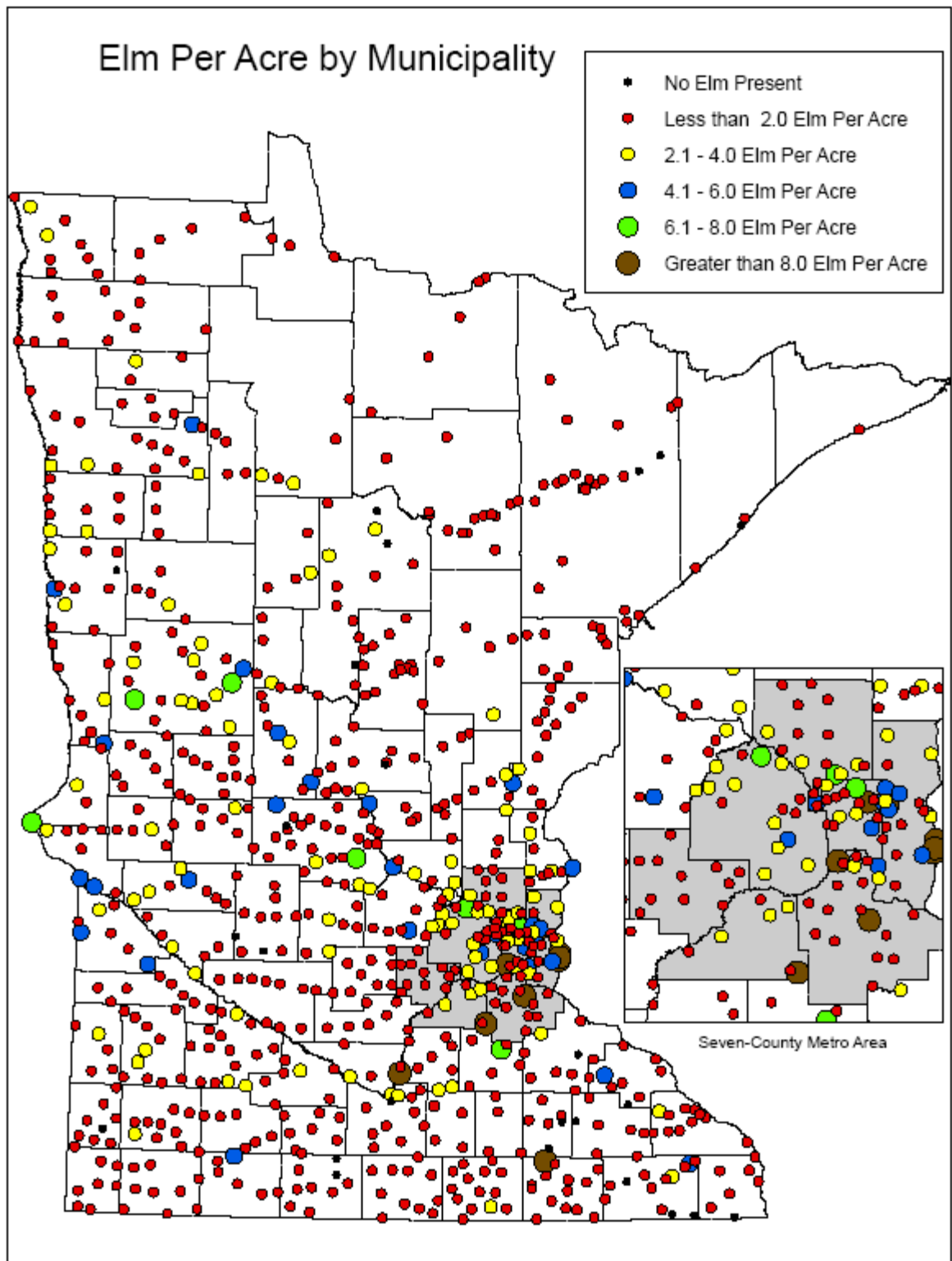


Figure 7. Elm density in Minnesota municipalities.

This survey was designed and implemented at short notice, and improvements were made as work progressed. Some gaps and inadequacies in the survey became evident by the time of completion:

- *Target recognition:* Field checks revealed larger than expected between-crew differences in ability to discern and identify trees of the target genera. One crew's work was re-done as a result of field check data. Better pre-survey training in tree identification is indicated.
- *Tree count:* Counts of target trees became more variable in high-density areas; this was compounded by crews' differing ability to estimate, from the street, the 66-foot width of the sample strip. Future surveys should probably be conducted on foot rather than from vehicles, and laser rangefinders employed to help define transect width. Use of portable data recorders or PDA devices to replace data forms would streamline data flow.
- *Sample strip location:* Within each community, crews chose the particular street segments they would survey, and marked them on the orthophotomap. From the orthophotomap the routes were visually transferred to GIS for measurement and recording. It would probably have been better to pre-designate the street segments on the orthophotomaps, and use GPS to locate start and end points. This would have eliminated ambiguity, and facilitated field checks.
- *Dieback and discoloration thresholds:* A tree was to be tallied in the dieback or discoloration column if 30 percent of its crown was affected. Field checks showed wide discrepancies in interpretation of this threshold value. Unless a higher level of training can be achieved, the threshold should be done away with, and crews instructed to put all trees with any level of dieback or discoloration into the affected columns.
- *Relative stocking of ash/elm and other trees:* Tabulations include estimates of the percentage of total residential/commercial tree stocking represented by ash and elm in each locality. These are purely ocular estimates unsupported by actual enumeration. If this information is desired from a future survey, provision should be made for a tally of all trees in some proportion of the sample strips.

Literature cited

- Adams, J. and F. Sapiro. 2004. FHTET assistance with the reduced ash zone. In: Mastro, V. C. and R. Reardon (ed.), Emerald ash borer research and technology development meeting, Romulus MI, Oct 5-6, 2004. USDA For. Serv. Pub. FHTET-2004-15. <http://www.invasive.org/eab/programreview.cfm>
- Bloniarz, D.V., B.L. Deutsch, J.R. Mahon and G. Ina. 2003. Handheld technologies for urban forestry – inventories, GIS and more. Pres. Pap. Am. Forests National Urban Forest Conference, San Antonio TX, Sep. 17, 2003. <http://www.umass.edu/urbantree/publications/amforestsproceed.pdf>
- Haugen, L. 1998. How to identify and manage Dutch elm disease. NA-PR-07-98. USDA For. Serv. NE Area State and Private Forestry, Newtown Square PA. http://www.na.fs.fed.us/spfo/pubs/howtos/ht_ded/ht_ded.htm
- McCullough, D.G. and S.A. Katovich. 2004. Pest alert: emerald ash borer. NA-PR-02-04. USDA For. Serv. NE Area State and Private Forestry, Newtown Square PA. http://www.na.fs.fed.us/spfo/pubs/pest_al/eab/eab04.htm
- McPherson, E.G., J.R. Simpson, P.J. Peper, S.E. Maco, S.L. Gardner, S.K. Cozad and Q. Xiao. 2005. Midwest community tree guide. NA-TP-05-05, USDA For. Serv. NE Area State & Private Forestry, Newtown Square PA. 82p. <http://www.na.fs.fed.us/urban/treespayusback/vol1/Midwest%20Community%20Tree%20Guide%20final.pdf>
- Nowak, D.J., J.E. Pasek, R. Sequeira, D.E. Crane. and V.C. Mastro, 2001. Potential effect of *Anoplophora glabripennis* (Coleoptera: Cerambycidae) on urban trees in the United States. J. Econ. Entom. 94(1): 116-122. <http://www.urban.uiuc.edu/courses/up205/Sp06/AD5-Group1.pdf>

Table 1: Statewide Urban Ash Populations, by Size Class

	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
MINNESOTA	2968513	3.2	6.39%	655958	6153	3390	600	824	1125961	35246	4092	2631	2181	1186589	42849	2683	1885	613

Table 2: Statewide Urban Elm Populations, by Size Class

	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
MINNESOTA	1423088	1.6	2.70%	595736	1826	3345	1874	17837	463693	6398	1274	3406	25662	363674	11212	1762	4191	5467

Table 3: Statewide Municipal Acreage and Sampling Fractions

State	Municipalities				Residential/Commercial Zones			Actual Sample Strips			
	Sampled	Not Sampled	Total Acres	As % of State	Total Acres	As % of State	As % of All Municipalities	Total Acres	As % of State	As % of All Municipalities	As % of All Res/Com Zones
	MINNESOTA	789	34	2711864	5.02%	917715	1.70%	33.84%	30373	0.06%	1.12%

Table 4: Statewide Quality Control Results, by Genus and Size Class

Ash

	All Size Classes	Sapling Class (1 - 5")	Pole Class (5 - 12")	Sawtimber Class (> 12")
	Population	Population	Population	Population
Original Survey	159905	18560	55765	82478
Quality Check	185529	45605	53426	80546
Difference as % of Quality Check	13.8%	59%	-4%	-2%

Elm

	All Size Classes	Sapling Class (1 - 5")	Pole Class (5 - 12")	Sawtimber Class (> 12")
	Population	Population	Population	Population
Original Survey	64248	16100	17264	29927
Quality Check	96463	35891	27506	30060
Difference as % of Quality Check	33%	55%	37%	0%

APPENDIX

Rapid Assessment of Ash and Elm Resources in Minnesota Communities

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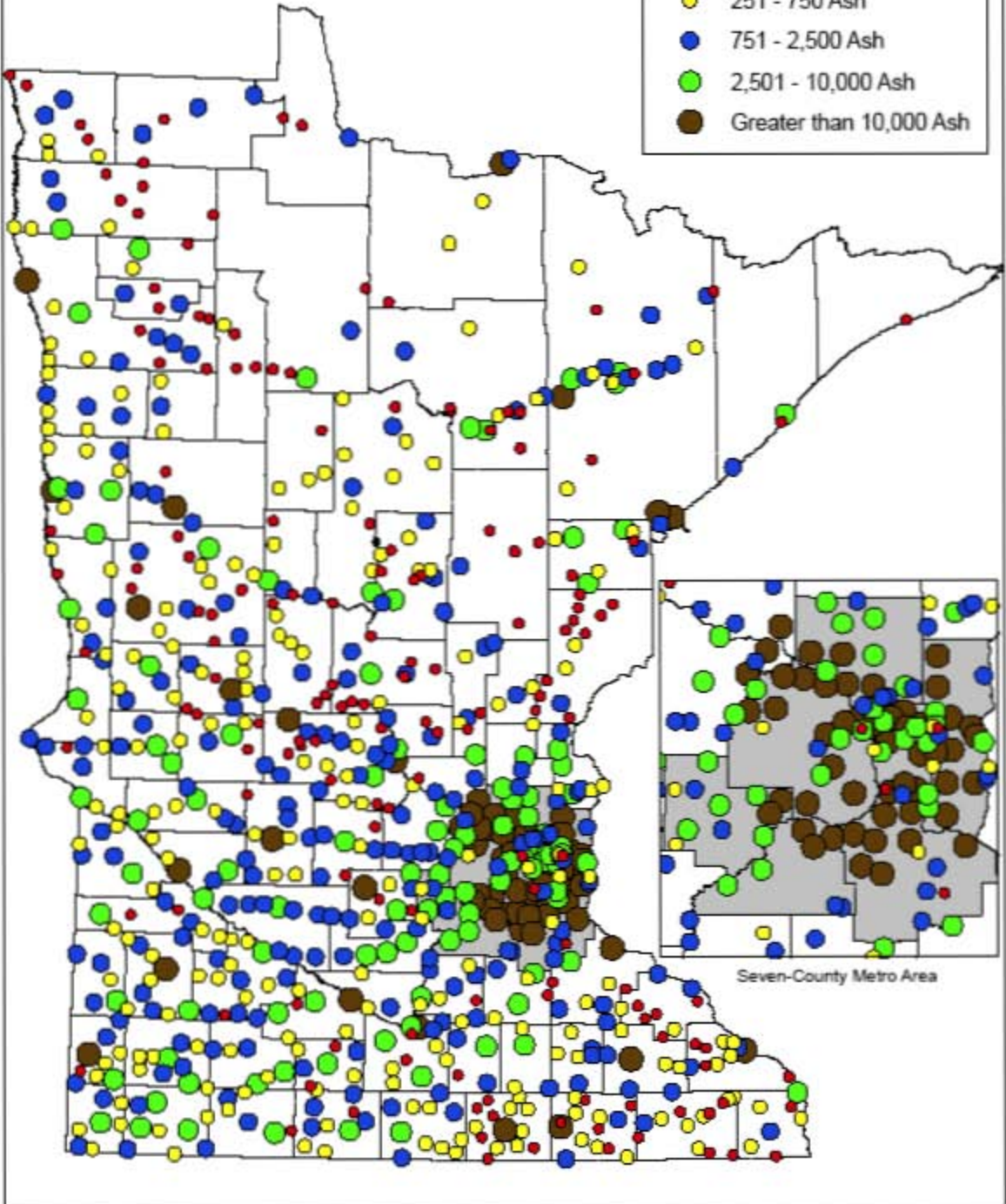
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This Appendix contains complete tabulations and maps of the data summarized in the January 2007 report *Rapid Assessment of Ash and Elm Resources in Minnesota Communities*. Copies of the 15-page report are available from DNR Resource Assessment, 413 SE 13th Street, Grand Rapids MN 55744, 218-327-4449.

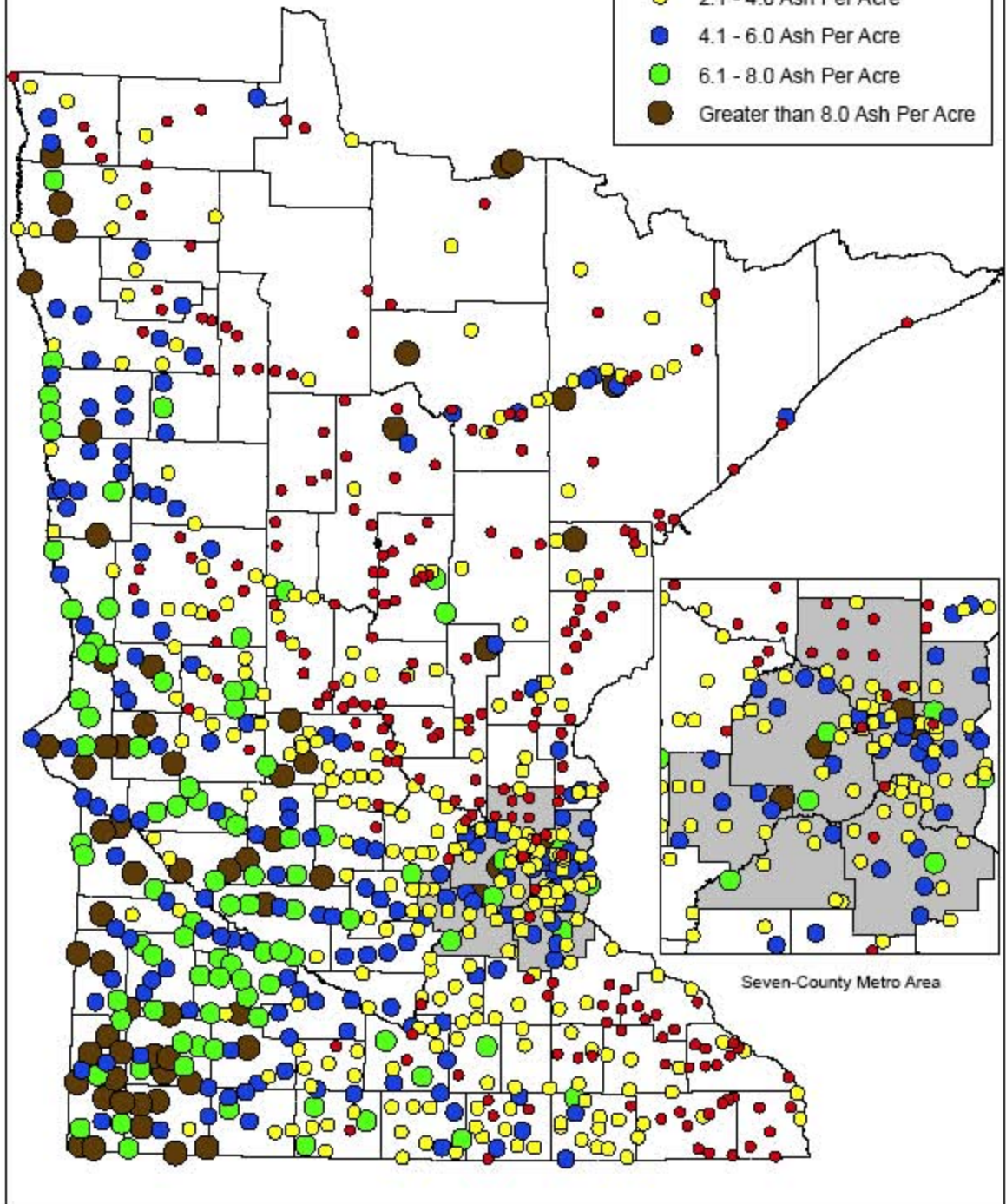
Ash Population by Municipality

- No Ash Present
- Less than 250 Ash
- 251 - 750 Ash
- 751 - 2,500 Ash
- 2,501 - 10,000 Ash
- Greater than 10,000 Ash

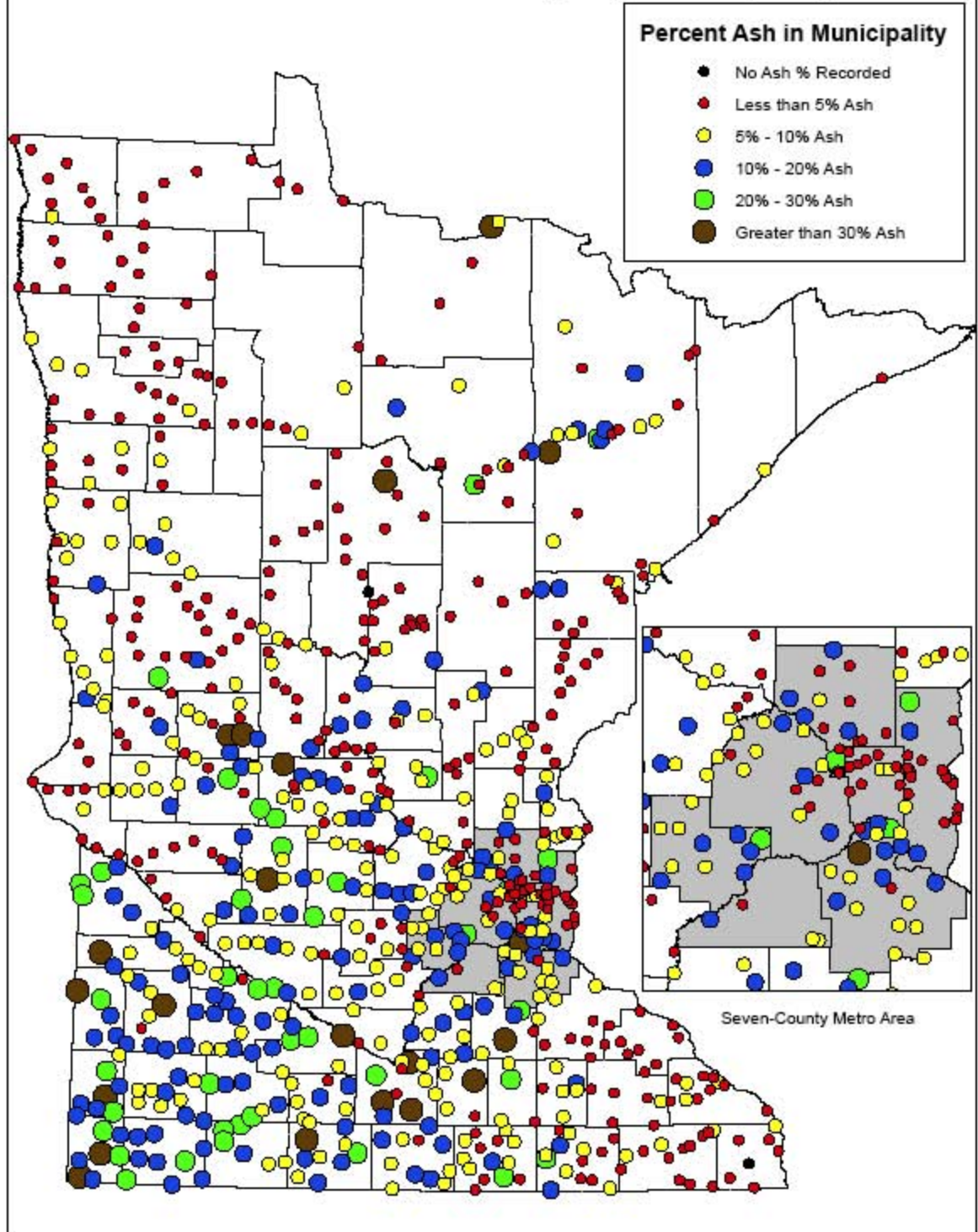


Ash Per Acre by Municipality

- No Ash Present
- Less than 2.0 Ash Per Acre
- 2.1 - 4.0 Ash Per Acre
- 4.1 - 6.0 Ash Per Acre
- 6.1 - 8.0 Ash Per Acre
- Greater than 8.0 Ash Per Acre

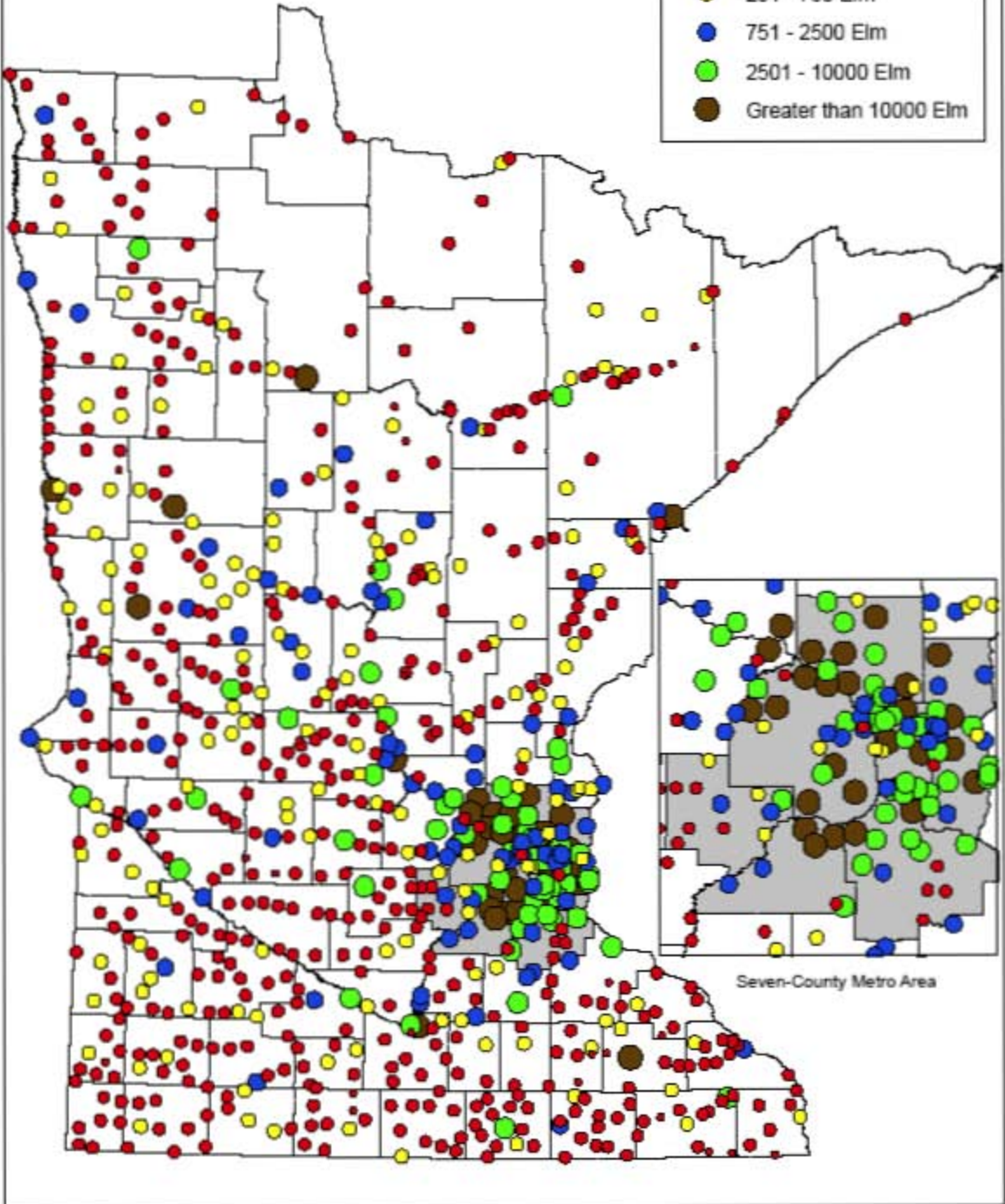


Ash Estimated Percentage by Municipality

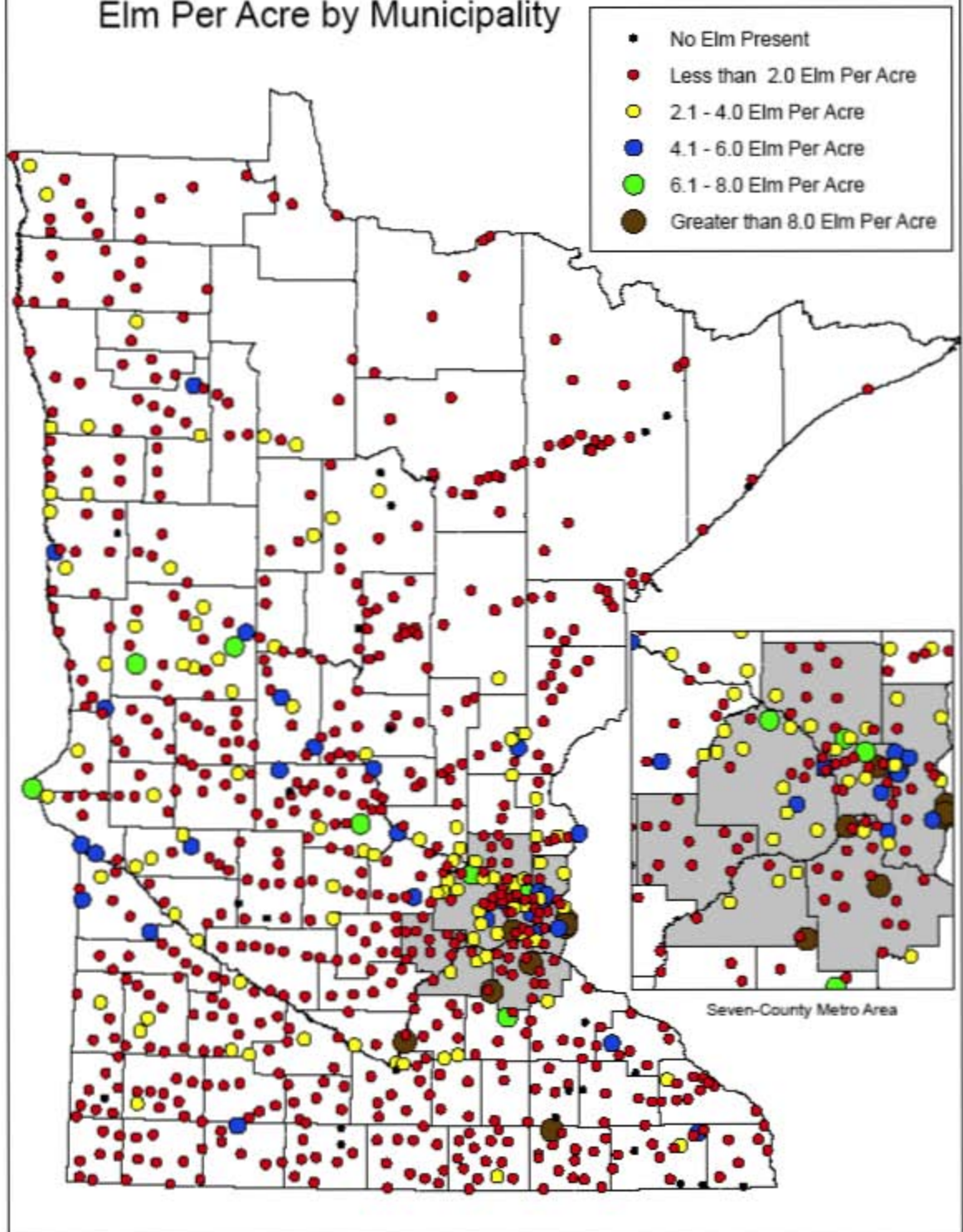


Elm Population by Municipality

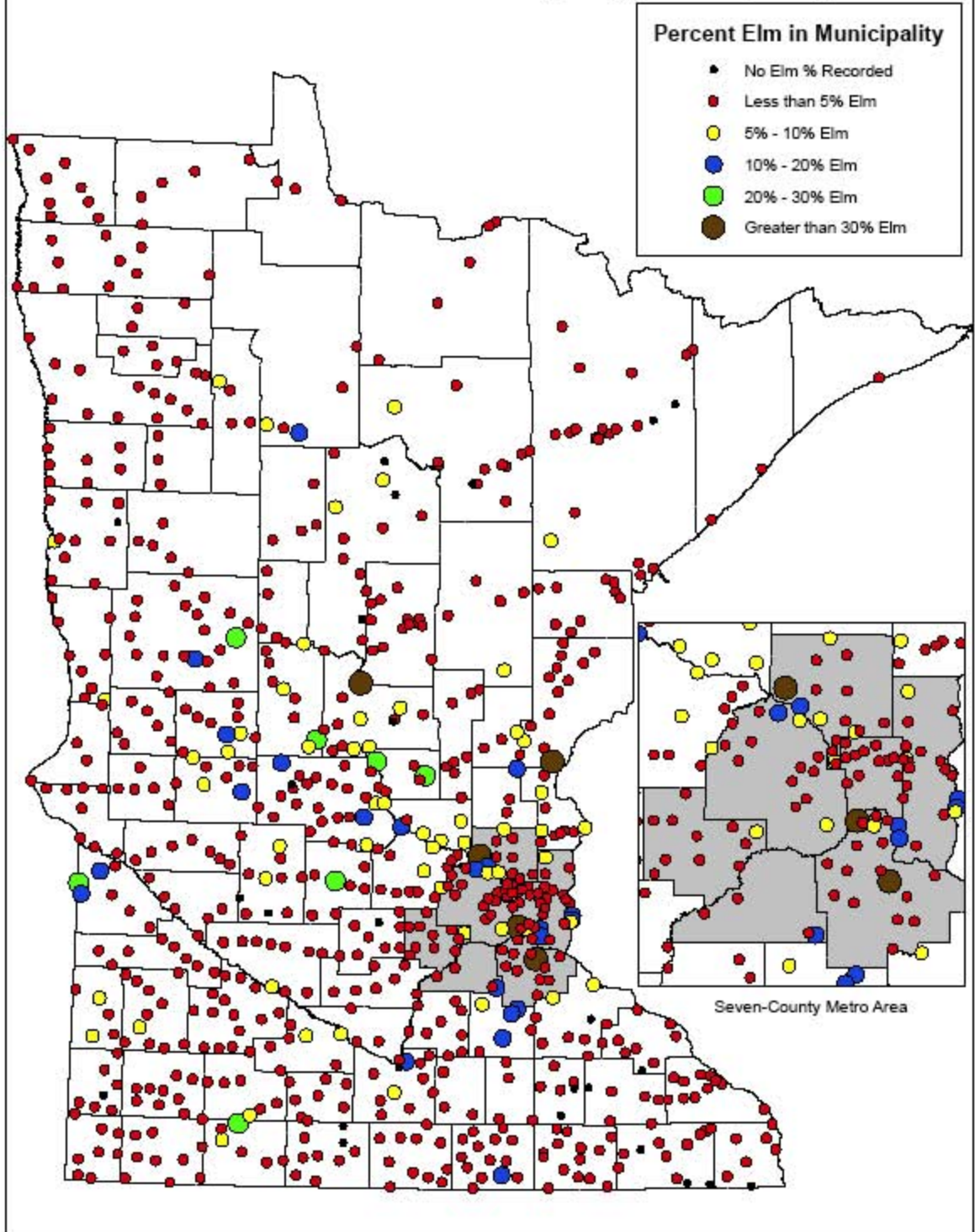
- No Elm Present
- Less than 250 Elm
- 251 - 750 Elm
- 751 - 2500 Elm
- 2501 - 10000 Elm
- Greater than 10000 Elm



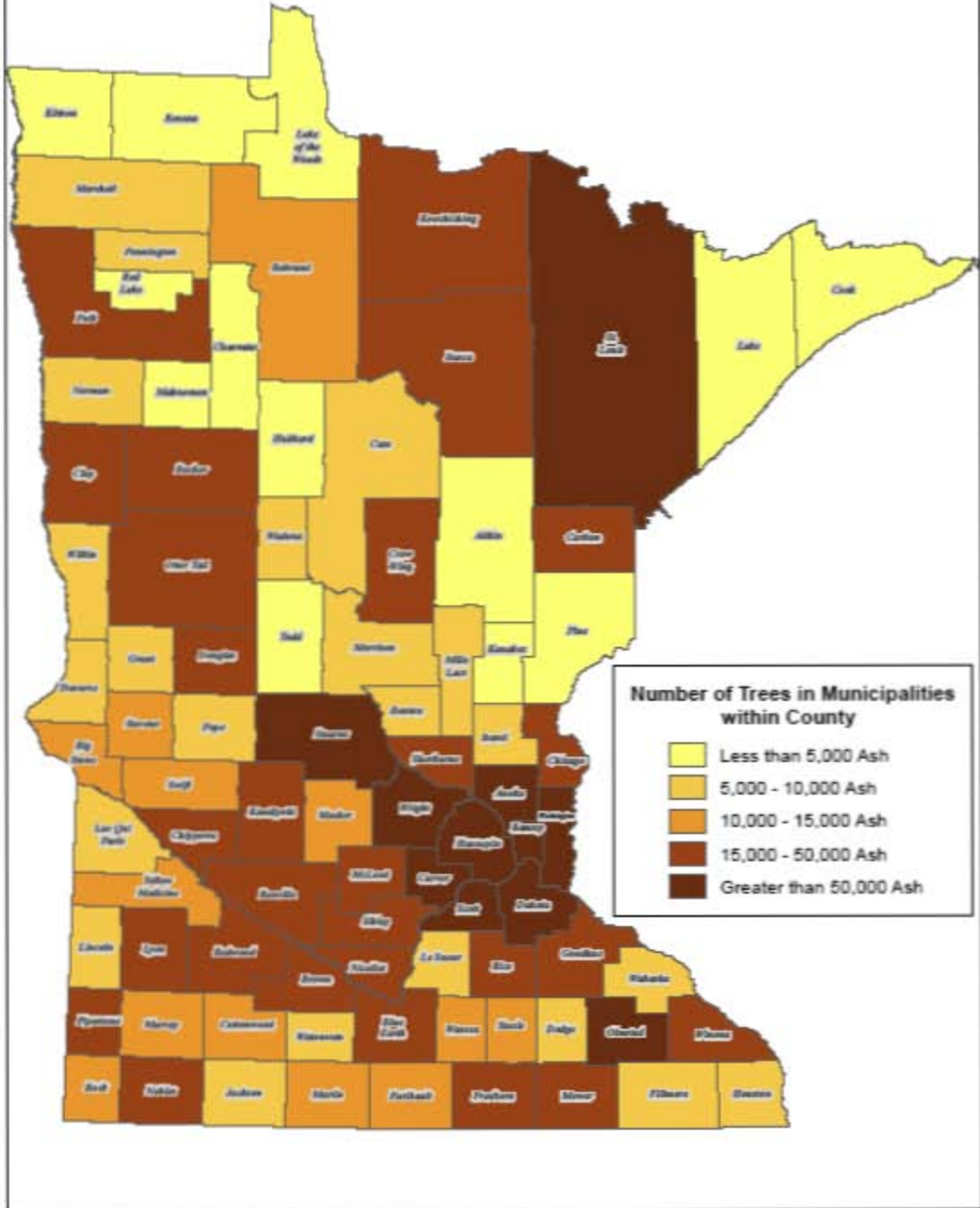
Elm Per Acre by Municipality



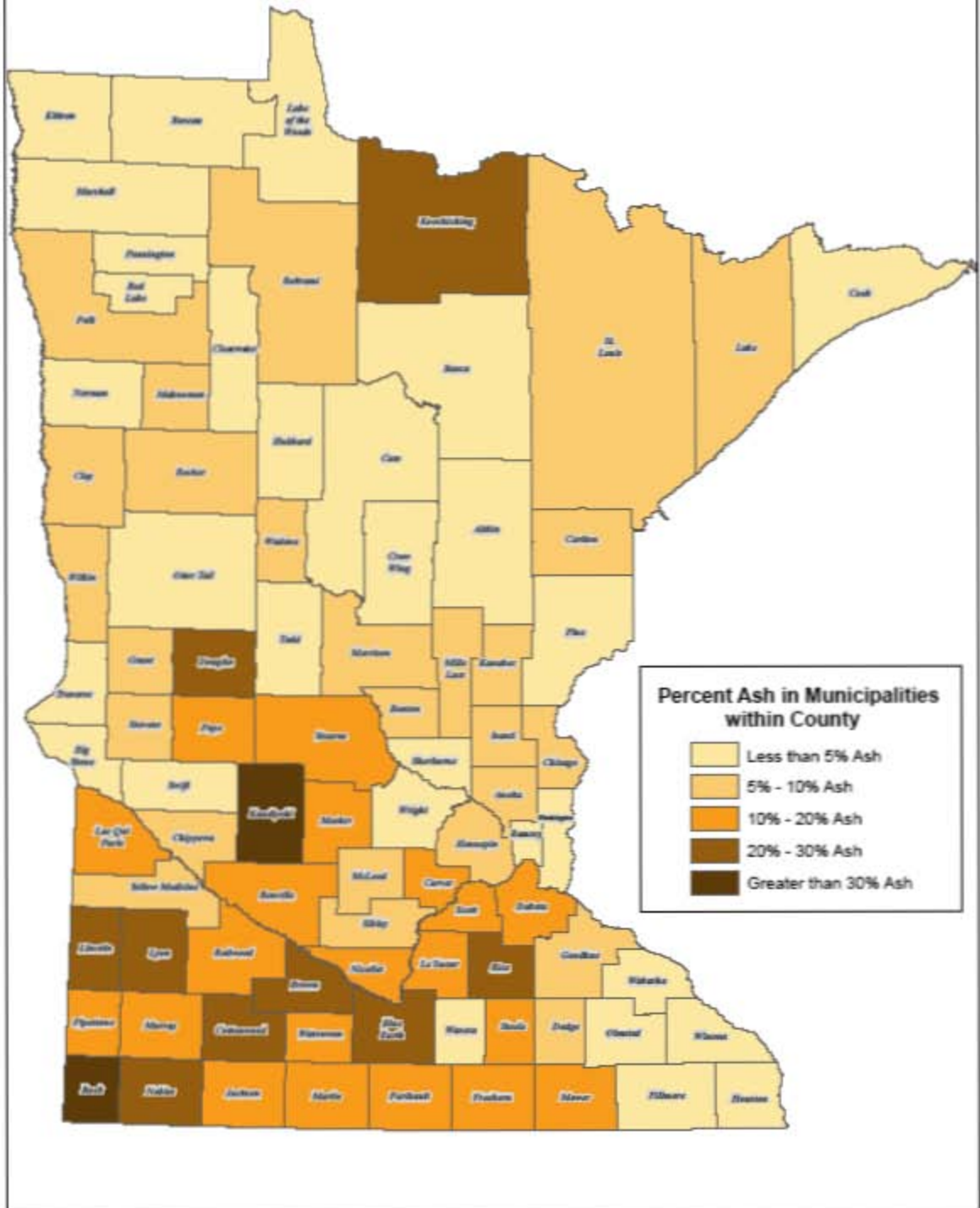
Elm Estimated Percentage by Municipality



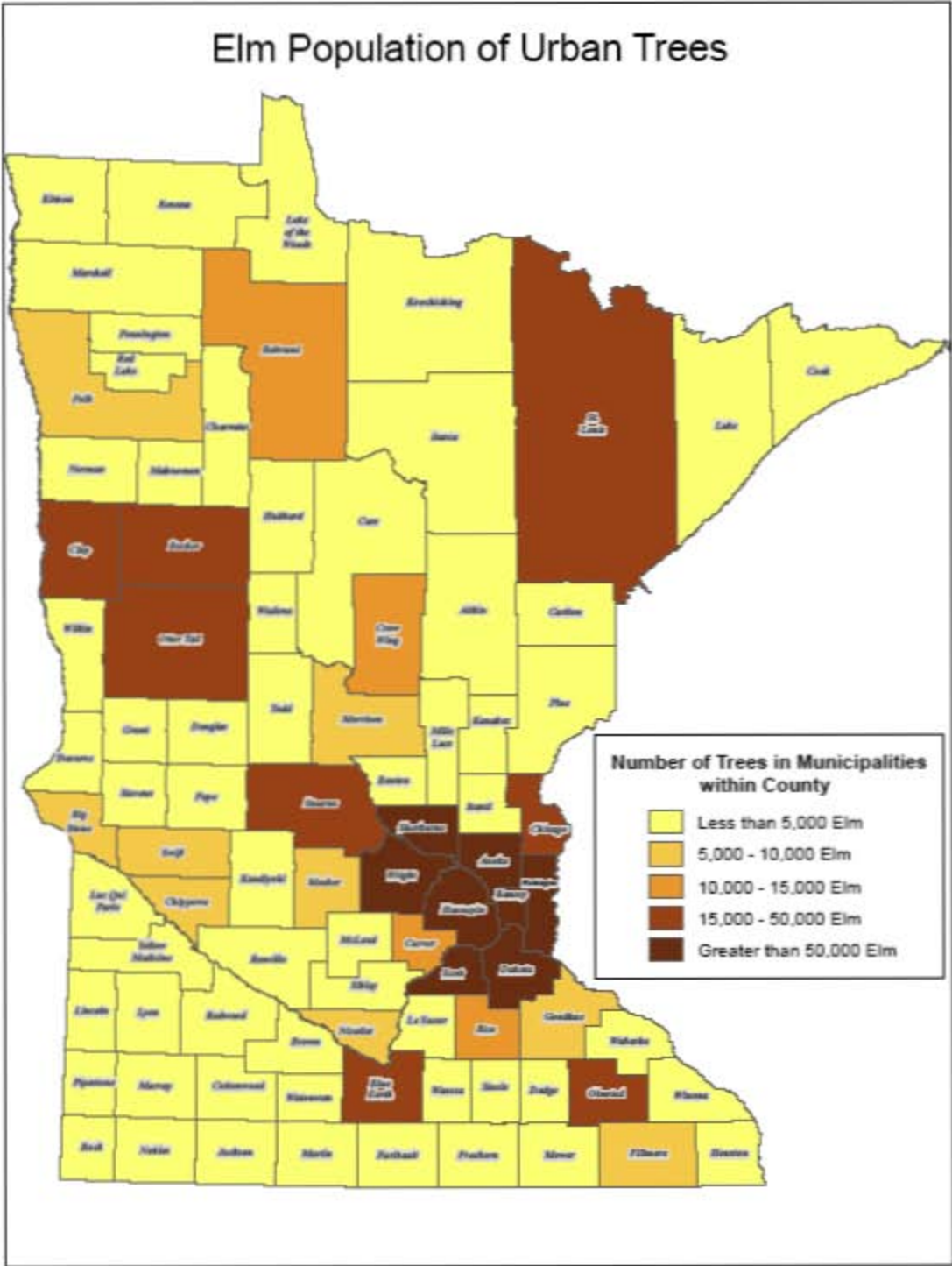
Ash Population of Urban Trees



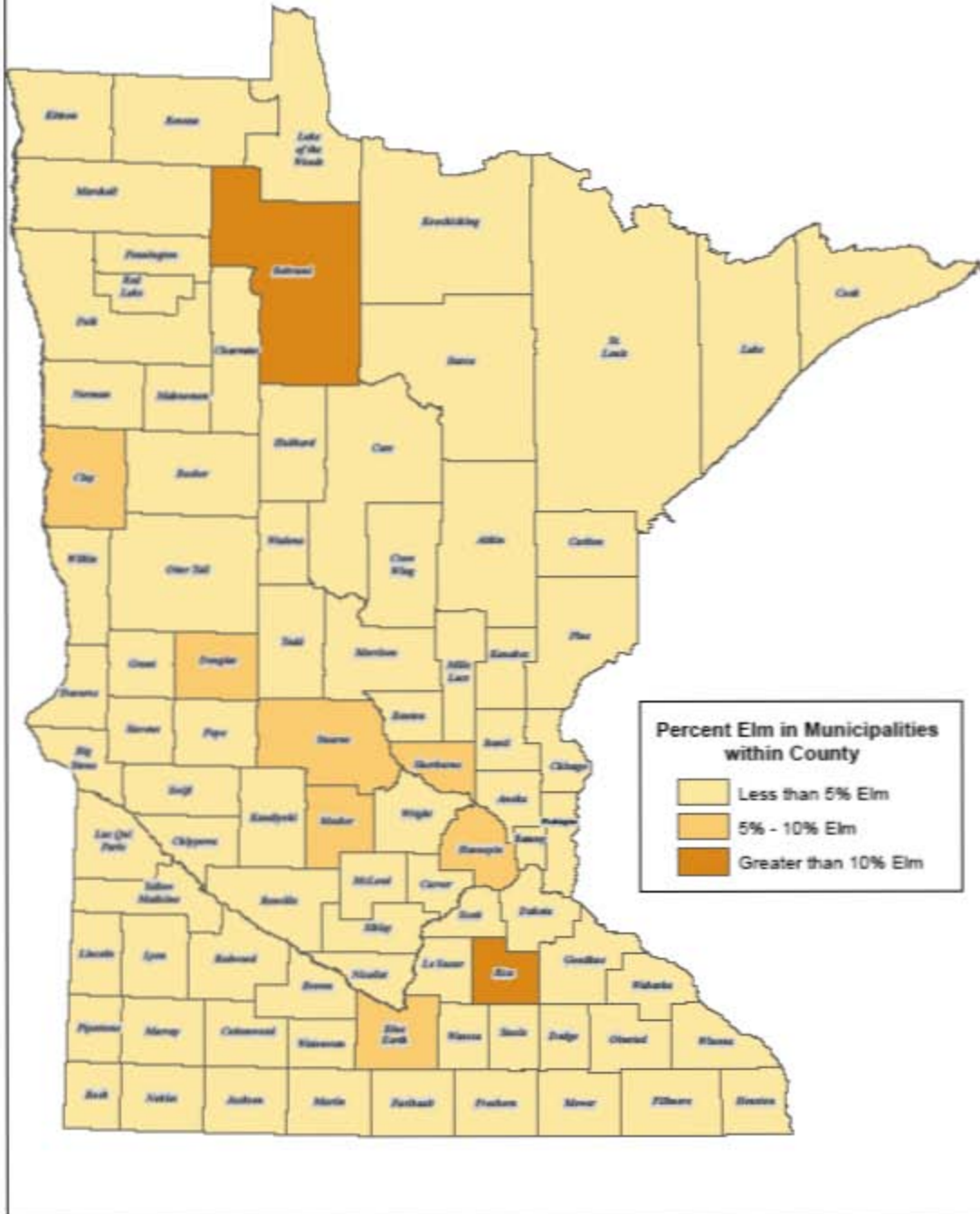
Ash as Percentage of Urban Trees



Elm Population of Urban Trees



Elm as Percentage of Urban Trees



Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%*	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Aitkin																			
Aitkin	1822	3.5	1	702	0	0	0	0	731	0	0	0	0	390	0	0	0	0	
McGrath	233	2.5	1	224	0	0	0	0	8	0	0	0	0	0	0	0	0	0	
McGregor	226	0.7	3	70	0	0	0	0	94	0	0	0	0	62	0	0	0	0	
Palisade	165	1.6	1	115	0	0	0	0	50	0	0	0	0	0	0	0	0	0	
Tamarack	164	2.0	1	111	0	0	0	0	38	3	0	0	0	14	0	0	0	0	
Aitkin	2610	2.4	1.1%	1222	0	0	0	0	921	3	0	0	0	466	0	0	0	0	
<i>* Ash as estimated percentage of all urban trees, in this and following tables</i>																			

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Anoka																		
Andover	15170	1.0	7	5779	0	0	0	0	8066	0	0	0	0	1324	0	0	0	0
Anoka	5811	2.1	20	1121	0	0	0	0	2490	0	0	0	0	2200	0	42	0	0
Bethel	800	2.1	12	197	0	0	0	0	210	0	0	0	0	394	0	0	0	0
Blaine	45682	3.4	16	4252	0	0	0	0	20534	90	181	90	0	20896	90	90	90	0
Centerville	2025	2.9	2	600	0	0	0	0	666	0	0	0	0	759	0	0	0	0
Circle Pines	1392	1.8	1	144	0	0	0	0	304	0	0	0	0	944	0	0	32	0
Columbia Heights	4350	2.2	4	157	0	0	0	0	681	0	0	0	0	3512	0	0	0	0
Coon Rapids	26597	2.3	4	4200	0	0	0	0	9799	0	0	0	0	12599	74	221	147	0
East Bethel	6489	0.4	2	1168	0	0	0	0	4282	0	0	0	0	1038	0	0	0	0
Fridley	21907	4.1	30	461	0	0	0	0	2918	0	0	0	0	18529	0	102	0	0
Ham Lake	7985	0.7	3	1973	0	0	0	0	3851	0	0	0	0	2161	0	0	0	0
Hilltop	57	1.7	5	11	0	0	0	0	11	0	0	0	0	34	0	0	0	0
Lexington	1151	2.6	2	34	0	0	0	0	237	0	0	0	0	880	0	0	0	0
Lino Lakes	9563	1.3	NR	1835	0	0	0	0	5313	0	0	0	0	2415	0	0	0	0
Oak Grove	6204	0.6	1	1269	0	0	0	0	3807	0	0	0	0	1128	0	0	0	0
Ramsey	13242	1.2	20	4524	0	0	0	0	5922	0	0	0	0	2797	0	0	0	0
Saint Francis	4392	0.3	NR	2928	0	0	0	0	1464	0	0	0	0	0	0	0	0	0
Spring Lake Park	2333	2.2	4	67	0	0	0	0	917	0	0	27	0	1348	40	13	0	0
Anoka	175150	1.4	5.3%	30720	0	0	0	0	71472	90	181	117	0	72958	204	468	269	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Becker																		
Audubon	815	4.2	15	189	0	0	0	0	272	0	0	0	0	355	0	0	0	0
Callaway	247	2.7	10	58	0	0	0	0	124	0	0	0	0	66	0	0	0	0
Detroit Lakes	30070	4.0	10	12291	0	0	0	0	9109	0	0	0	0	8670	219	0	110	0
Frazee	1032	2.7	7	490	0	0	0	0	276	0	0	0	0	266	0	0	0	0
Lake Park	1282	5.2	10	497	0	0	0	0	328	0	0	0	0	457	10	0	0	0
Becker	33446	4.0	9.9%	13525	0	0	0	0	10109	0	0	0	0	9814	229	0	110	0
Beltrami																		
Bemidji	9762	2.8	10	1281	0	0	0	0	7443	488	0	0	61	1037	61	0	0	0
Blackduck	947	2.0	<10	454	0	0	0	0	151	0	0	0	0	341	0	0	0	0
Kelliher	175	0.6	1	66	0	0	0	0	44	0	0	0	0	66	0	0	0	0
Solway	133	1.4	5	117	0	0	0	0	16	0	0	0	0	0	0	0	0	0
Wilton	36	0.2	>1	6	0	0	0	0	24	0	0	0	0	6	0	0	0	6
Beltrami	11053	2.4	8.4%	1924	0	0	0	0	7678	488	0	0	61	1450	61	0	0	6

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Benton																		
Foley	977	1.5	10	260	0	0	0	0	417	0	0	0	0	300	0	0	0	0
Gilman	41	0.4	9	0	0	0	0	0	32	0	0	0	0	9	0	0	0	0
Rice	957	2.0	8	304	0	0	0	0	410	0	0	0	0	243	0	0	0	0
Ronneby	52	1.9	30	31	0	0	0	0	0	0	0	0	0	21	0	0	0	0
Sauk Rapids	5484	2.4	5	1580	0	0	0	0	2633	0	0	0	0	1270	0	0	0	0
Benton	7511	2.1	5.7%	2175	0	0	0	0	3492	0	0	0	0	1843	0	0	0	0
Big Stone																		
Barry	155	4.3	5	25	0	0	0	0	100	0	0	0	0	30	0	0	0	0
Beardsley	1250	8.5	5	261	17	0	0	0	659	102	0	0	0	330	51	0	0	0
Clinton	1931	11.1	10	336	6	0	0	0	711	39	0	0	0	884	22	0	0	0
Correll	309	5.0	5	108	0	0	0	0	127	0	0	0	0	73	0	0	0	0
Graceville	1889	6.8	5	425	9	0	0	0	815	9	0	0	0	650	26	0	0	0
Johnson	666	11.6	10	217	0	0	0	0	363	13	0	0	0	86	6	0	0	0
Odessa	681	5.5	5	332	0	0	0	0	203	23	0	0	0	146	6	0	0	0
Ortonville	7851	5.8	4	2339	0	0	0	0	2852	352	0	0	0	2660	224	0	0	0
Big Stone	14732	6.6	4.8%	4043	32	0	0	0	5830	538	0	0	0	4859	335	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Blue Earth																		
Amboy	701	4.4	15	116	0	0	0	0	403	0	0	0	0	182	6	0	0	0
Eagle Lake	1198	2.8	10	109	0	0	0	0	617	12	0	0	0	472	0	0	0	0
Good Thunder	130	0.8	5	16	0	0	0	0	62	0	0	0	0	52	0	0	0	0
Lake Crystal	4203	6.6	25	157	0	0	0	0	1755	0	0	0	0	2292	0	0	0	0
Madison Lake	1540	5.9	15	586	0	0	0	0	658	18	0	0	0	297	18	0	0	0
Mankato	26301	2.7	35	2314	0	0	0	77	11647	0	0	77	231	12341	77	0	0	0
Mapleton	3623	6.7	40	177	0	0	0	0	1237	13	0	0	0	2209	0	13	0	0
Pemberton	339	4.6	7	12	0	0	0	0	208	8	0	0	0	118	0	0	0	0
Saint Clair	558	2.5	10	89	0	0	0	0	266	9	0	0	0	204	9	0	0	0
Skyline	139	2.0	5	9	0	0	0	0	54	0	0	0	0	76	0	0	0	0
Vernon Center	447	3.3	40	21	0	0	0	0	160	0	0	0	0	265	8	0	0	0
Blue Earth	39179	3.1	27.0%	3606	0	0	0	77	17067	60	0	77	231	18508	118	13	0	0

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Brown																			
Cobden	242	3.5	25	6	0	0	0	0	137	3	0	0	0	99	0	0	0	0	
Comfrey	727	4.6	10	276	0	0	0	0	182	0	0	0	0	269	6	0	0	0	
Evan	289	4.6	20	45	0	0	0	0	183	0	0	0	0	61	0	0	0	0	
Hanska	453	4.3	10	17	0	0	0	0	257	0	0	0	0	179	0	0	0	0	
New Ulm	17596	5.3	35	4092	0	0	0	0	7980	51	0	0	0	5524	0	0	0	0	
Sleepy Eye	4556	5.8	25	1413	0	0	0	0	1395	0	0	0	0	1748	56	0	0	0	
Springfield	3025	4.7	15	395	0	0	0	0	1003	16	0	0	0	1628	0	0	0	0	
Brown	26888	5.2	26.1%	6244	0	0	0	0	11137	70	0	0	0	9508	62	0	0	0	

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Carlton																		
Barnum	454	1.4	1	184	0	0	0	0	227	0	0	0	0	43	0	0	0	0
Carlton	55	0.1	<1	0	0	0	0	0	28	0	0	0	0	28	0	0	0	0
Cloquet	8917	1.7	5	2954	0	0	0	0	3351	57	0	0	0	2613	0	0	0	0
Cromwell	5742	14.5	>15	4134	0	0	0	0	960	0	0	0	0	647	63	0	0	0
Kettle River	192	2.3	4	87	0	0	0	0	26	0	0	0	0	79	0	0	0	0
Moose Lake	2641	3.8	3	720	0	0	0	0	800	0	0	0	0	1121	0	0	0	0
Scanlon	539	1.6	10	159	0	0	0	0	88	0	0	0	0	292	0	0	0	0
Wrenshall	875	3.9	5	623	0	0	0	0	148	0	0	0	0	104	0	0	0	0
Wright	671	3.7	12.5	340	0	0	0	0	200	0	0	0	0	130	0	0	0	0
Carlton	20086	2.6	5.2%	9201	0	0	0	0	5828	57	0	0	0	5057	63	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Carver																			
Carver	3184	3.8	15	1674	21	0	0	0	703	0	0	0	0	806	0	0	0	0	
Chanhassen	76104	9.7	25	28388	0	0	0	121	33220	483	0	0	0	14496	0	0	0	0	
Chaska	21183	4.7	15	1861	0	0	0	0	8230	0	0	0	0	11092	0	0	0	0	
Cologne	912	3.6	10	168	0	0	0	0	279	0	0	0	0	465	9	0	0	0	
Hamburg	694	5.6	15	134	0	0	0	0	139	0	0	0	0	421	10	0	0	0	
Mayer	909	4.0	8	46	0	0	0	0	207	0	0	0	0	656	0	0	0	0	
New Germany	361	3.6	8	87	0	0	0	0	41	0	0	0	0	233	0	0	0	0	
Norwood Young	3306	3.7	10	769	0	0	0	0	520	0	0	0	0	2017	0	0	0	0	
Victoria	8040	5.0	20	3542	0	0	0	0	3154	26	0	0	0	1344	0	0	0	0	
Waconia	9042	4.4	15	3465	0	0	0	0	2451	0	0	0	0	3127	0	0	0	0	
Watertown	5451	4.8	10	1733	0	0	0	0	1256	0	0	0	0	2462	0	0	0	0	
Carver	129186	6.6	18.9%	41867	21	0	0	121	50200	509	0	0	0	37119	19	0	0	0	

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Cass																			
Backus	251	1.4	<1	121	0	0	0	0	9	0	0	0	0	121	0	0	0	0	
Bena	24	0.2	<1	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Boy River	258	5.1	5	185	0	0	0	0	56	0	0	0	0	17	0	0	0	0	
Cass Lake	396	1.0	5	166	0	0	0	0	128	0	0	0	0	102	19	0	0	0	
Chickamaw Beach	38	0.2	<1	31	0	0	0	0	6	0	0	0	0	0	0	0	0	0	
East Gull Lake	3248	1.6	1	1356	0	0	0	0	1749	0	0	0	0	143	0	0	0	0	
Federal Dam	2130	10.9	45	1614	0	0	0	0	339	0	0	0	0	176	6	0	0	0	
Hackensack	856	3.0	2	434	0	0	0	56	311	0	0	0	0	111	0	0	0	0	
Lake Shore	522	0.2	<1	174	0	0	0	0	218	0	0	0	0	131	0	0	0	0	
Longville	424	1.9	2	165	0	0	0	0	247	0	0	0	0	12	0	0	0	0	
Remer	263	1.0	>1	91	0	0	0	0	109	0	0	0	0	64	0	0	0	0	
Walker	657	1.2	2	328	0	0	0	0	232	0	0	0	0	97	0	0	0	0	
Cass	9067	1.3	1.7%	4689	0	0	0	56	3404	0	0	0	0	974	25	0	0	0	

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Chippewa																		
Clara City	3650	9.3	15	168	0	0	0	0	1872	19	0	0	0	1610	84	19	0	0
Maynard	1292	7.7	8	185	0	0	0	0	646	33	0	0	0	461	65	0	0	5
Milan	436	3.6	4	147	0	0	0	0	137	5	0	0	0	152	10	0	0	0
Montevideo	12915	8.2	10	1855	0	0	0	0	5658	139	23	0	0	5403	23	0	0	0
Watson	268	3.3	3	62	0	0	0	0	78	4	0	0	0	128	4	0	0	0
Chippewa	18561	7.9	9.8%	2417	0	0	0	0	8391	200	23	0	0	7754	186	19	0	5
Chisago																		
Center City	923	4.4	5	537	0	0	0	0	222	0	0	0	21	165	0	0	0	0
Chisago City	5186	5.9	6	2649	0	0	0	0	789	0	0	0	0	1747	0	0	0	0
Harris	5907	4.1	15	4798	0	0	0	0	720	0	0	0	0	390	0	0	0	0
Lindstrom	2098	2.4	6	497	0	0	0	0	718	0	0	0	0	884	18	0	0	0
North Branch	9054	1.2	8	1329	0	0	0	0	5150	0	0	0	0	2575	0	0	0	0
Rush City	911	1.7	10	279	0	0	0	0	220	0	0	0	0	411	0	0	0	0
Shafer	432	3.0	6	161	0	0	0	0	219	0	0	0	0	52	0	0	0	0
Stacy	266	0.9	3	208	0	0	0	0	58	0	0	0	0	0	0	0	0	0
Taylor Falls	399	0.9	3	174	0	0	0	0	149	0	0	0	0	75	0	0	0	0
Wyoming	1833	1.8	7	199	0	0	0	0	883	22	0	0	0	751	0	0	0	0
Chisago	27009	2.1	7.6%	10831	0	0	0	0	9128	22	0	0	21	7050	18	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Clay																		
Barnesville	6100	9.7	15	731	0	15	0	0	2222	45	0	0	0	3147	0	0	0	0
Comstock	168	3.6	5	29	0	0	0	0	50	0	0	0	0	88	3	0	0	0
Dilworth	2882	4.7	8	433	25	12	0	0	1472	37	0	0	0	977	74	12	25	0
Felton	487	4.8	3	164	0	4	0	0	186	18	0	0	0	137	27	0	0	0
Georgetown	313	3.7	6	155	0	0	0	0	130	6	0	0	0	28	6	0	0	0
Glyndon	1926	4.8	8	678	0	0	0	0	829	65	0	0	0	420	75	0	0	0
Hawley	3223	6.3	6	692	11	0	0	0	1487	57	11	0	0	1044	148	11	0	0
Hitterdal	478	5.6	NR	275	0	0	0	0	122	0	0	0	0	81	0	0	0	0
Moorhead	29763	4.7	5	4166	219	55	0	0	13922	1041	55	164	0	11675	1151	110	274	55
Sabin	609	4.8	8	103	19	0	0	0	359	58	0	0	6	147	26	6	0	6
Ulen	1145	5.6	7	184	0	13	0	0	441	7	0	7	0	520	20	0	0	0
Clay	47094	5.2	5.8%	7610	274	99	0	0	21220	1334	66	171	6	18264	1530	139	299	61
Clearwater																		
Bagley	193	0.5	1	109	0	0	0	0	72	0	0	0	0	12	0	0	0	0
Clearbrook	30	0.2	NR	20	0	0	0	0	0	0	0	0	0	10	0	0	0	0
Gonvick	276	1.2	5	160	0	0	0	0	87	0	0	0	0	29	0	0	0	0
Shevlin	34	0.3	<1	6	0	0	0	0	17	0	0	0	0	11	0	0	0	0
Clearwater	533	0.6	1.8%	295	0	0	0	0	176	0	0	0	0	62	0	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Cook																			
Grand Marais	214	0.3	<1	61	0	0	0	0	15	0	0	0	0	138	0	0	0	0	
Cook	214	0.3	1.0%	61	0	0	0	0	15	0	0	0	0	138	0	0	0	0	
Cottonwood																			
Bingham Lake	490	3.2	10	53	0	0	0	0	192	16	0	0	0	245	27	0	0	0	
Jeffers	1620	9.7	15	209	0	0	0	0	710	0	0	0	0	701	17	0	0	0	
Mountain Lake	3000	5.0	15	200	0	0	0	0	973	27	0	0	0	1826	107	0	0	13	
Storden	453	5.7	20	18	0	0	0	0	199	0	0	0	0	236	0	0	0	0	
Westbrook	1605	6.2	25	147	0	0	0	0	596	7	0	0	0	862	22	0	0	0	
Windom	6746	5.0	30	611	0	0	0	0	3228	87	0	0	0	2908	116	0	0	0	
Cottonwood	13914	5.4	20.8%	1238	0	0	0	0	5898	137	0	0	0	6778	289	0	0	13	

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Crow Wing																		
Baxter	2303	0.4	<1	485	0	0	0	0	1455	0	0	121	0	364	0	0	0	0
Brainerd	4902	1.5	6	1444	0	0	0	0	2101	0	0	0	0	1357	0	0	0	0
Breezy Point	241	0.0	>1	241	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crosby	1191	1.8	3	571	0	0	0	0	491	10	0	0	0	130	0	0	0	0
Crosslake	571	0.1	>1	476	0	0	0	0	0	0	0	0	0	95	0	0	0	0
Cuyuna	648	3.1	3	448	0	0	0	0	163	6	0	0	0	36	6	0	0	0
Deerwood	2302	6.6	2	871	0	0	0	0	1014	0	13	0	13	416	0	0	0	0
Emily	865	0.5	NR	742	0	0	0	0	82	0	0	0	0	41	0	0	0	0
Fort Ripley	29	0.5	20	0	0	0	0	0	9	0	0	0	0	21	0	0	0	0
Garrison	2036	7.2	12	1182	7	0	0	7	658	20	0	0	0	195	13	0	0	0
Ironton	215	1.5	1	154	5	0	0	0	33	0	0	0	0	28	0	0	0	0
Jenkins	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nisswa	55	0.0	<1	27	0	0	0	0	0	0	0	0	0	27	0	0	0	0
Pequot Lakes	387	0.4	<1	28	0	0	0	0	166	0	0	0	0	194	0	0	0	0
Riverton	60	0.8	1	28	0	0	0	0	16	0	0	0	0	16	0	0	0	0
Trommald	385	2.7	5	225	11	0	0	11	125	0	0	0	0	36	0	0	0	0
Crow Wing	16190	0.6	2.3%	6922	23	0	0	18	6313	36	13	121	13	2956	19	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Dakota																		
Apple Valley	22529	2.0	10	573	0	0	0	0	12028	0	0	0	0	9928	0	0	0	0
Burnsville	35003	2.9	10	6371	0	0	0	0	11318	0	0	0	0	17314	150	0	0	0
Coates	711	5.2	2	23	0	0	0	0	206	0	0	0	0	482	0	0	0	0
Eagan	61656	3.4	40	2445	0	0	0	0	14776	319	0	0	106	44435	213	0	0	0
Farmington	13949	4.2	8	4326	0	0	0	0	6671	0	0	0	0	2951	0	0	0	0
Hampton	866	5.2	10	316	0	0	0	0	331	0	0	0	0	218	0	0	0	0
Hastings	13267	3.4	15	658	0	0	0	0	2632	0	0	0	0	9978	0	0	0	0
Inver Grove Heights	41542	3.0	15	15833	0	0	0	0	8715	0	0	0	0	16995	145	0	0	0
Lakeville	41138	2.5	20	3372	0	0	0	0	22929	0	0	0	0	14837	0	0	0	0
Mendota	121	1.2	2	39	0	0	0	0	56	0	0	0	0	26	0	0	0	0
Mendota Heights	16629	3.8	15	1039	0	0	0	0	8987	0	0	0	183	6603	0	0	0	0
New Trier	112	2.9	10	8	0	0	0	0	25	0	0	0	0	79	0	0	0	14
Randolph	765	5.2	10	69	0	0	0	0	224	0	0	0	0	473	0	0	0	0
Rosemount	32900	3.2	15	6691	0	0	0	0	10734	0	0	0	0	15474	139	0	0	0
South Saint Paul	12436	3.2	30	101	0	0	0	0	3134	0	0	0	0	9200	152	0	0	0
Sunfish Lake	2460	2.6	10	765	0	0	0	0	1396	33	0	0	0	299	0	0	0	0
Vermillion	862	6.6	10	30	0	0	0	0	166	0	0	0	0	665	30	0	0	0
Dakota	296946	3.0	15.3%	42659	0	0	0	0	104328	352	0	0	289	149957	829	0	0	14

Urban Ash Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Dodge																		
Claremont	369	1.7	5	23	0	0	0	0	138	0	0	0	8	208	0	0	0	0
Dodge Center	660	1.3	10	204	0	0	0	0	297	0	0	0	0	158	0	0	0	0
Hayfield	1092	3.3	10	28	0	0	0	0	315	0	0	0	0	750	9	0	0	0
Kasson	1495	1.5	10	323	20	0	0	0	768	20	0	0	0	404	20	0	0	0
Mantorville	1543	2.9	12	550	0	0	0	0	791	0	0	0	0	201	0	0	0	0
West Concord	562	2.2	10	46	0	0	0	0	240	0	0	0	0	277	0	0	0	0
Dodge	5721	2.0	9.8%	1174	20	0	0	0	2549	20	0	0	8	1998	29	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Douglas																		
Alexandria	15018	6.3	60	1682	62	0	0	0	8288	156	0	31	0	5047	218	31	0	0
Brandon	550	3.3	7	13	0	0	0	0	209	0	0	0	0	329	0	0	0	0
Carlos	487	3.4	5	74	0	0	0	0	215	6	0	0	0	198	0	0	0	0
Evansville	1114	4.9	10	374	7	0	0	0	389	0	0	0	0	352	0	0	0	0
Forada	1139	6.5	20	506	0	0	0	0	391	0	0	0	0	243	0	0	0	0
Garfield	241	1.7	5	59	0	0	0	0	106	0	0	0	0	76	4	0	0	0
Kensington	112	1.4	5	18	0	0	0	0	29	0	0	0	0	65	0	0	0	0
Miltona	394	2.3	10	176	0	0	0	0	167	0	0	0	0	51	0	0	0	0
Nelson	668	6.4	40	426	0	0	0	0	96	0	0	0	0	146	0	0	0	0
Osakis	2241	3.8	20	300	0	0	0	0	782	0	0	0	0	1160	0	0	0	0
Douglas	21964	5.2	26.4%	3628	69	0	0	0	10672	162	0	31	0	7667	222	31	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Faribault																		
Blue Earth	2959	3.1	10	129	0	0	0	0	708	16	0	0	0	2123	48	0	0	0
Bricelyn	750	5.1	15	90	0	0	0	0	132	0	0	0	0	528	19	0	0	0
Delavan	292	2.8	8	31	0	0	0	0	97	0	0	0	0	163	16	0	0	0
Easton	374	2.4	5	24	0	0	0	0	120	5	0	0	0	230	14	0	0	0
Elmore	1016	4.0	10	297	8	0	0	0	454	8	0	0	0	264	25	0	0	0
Frost	416	3.8	15	35	0	0	0	0	78	0	0	0	0	303	9	0	0	0
Kiester	598	3.6	10	123	0	0	0	0	100	0	0	0	0	375	0	0	0	0
Minnesota Lake	1521	5.8	15	501	0	0	0	0	552	0	0	0	0	467	0	0	0	0
Walters	351	7.4	10	50	0	0	0	0	134	3	0	0	3	167	3	0	0	0
Wells	1983	4.3	15	155	0	0	0	0	505	0	0	0	0	1322	91	0	0	0
Winnebago	1526	2.8	15	405	0	0	0	0	363	0	0	0	0	758	62	0	0	0
Faribault	11786	3.7	11.6%	1840	8	0	0	0	3243	32	0	0	3	6700	287	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Fillmore																		
Canton	237	1.9	4	11	0	0	0	0	47	0	0	0	0	179	0	0	0	0
Chatfield	1155	2.1	5	53	0	0	0	0	310	0	0	0	0	791	0	0	0	0
Fountain	235	1.5	7	13	0	0	0	0	40	0	0	0	0	181	0	0	0	0
Harmony	426	1.4	3	17	0	0	0	0	125	0	0	0	0	284	0	0	0	0
Lanesboro	722	2.9	5	112	0	0	0	0	156	0	0	0	0	454	0	0	0	0
Mabel	239	1.5	3	94	0	0	0	0	44	0	0	0	0	101	0	0	0	0
Ostrander	184	2.3	5	31	3	0	0	0	17	0	0	0	0	137	0	0	0	0
Peterson	27	0.4	2	0	0	0	0	0	6	0	0	0	0	21	0	0	0	0
Preston	455	1.1	3	17	0	0	0	0	83	0	0	0	0	356	0	0	0	0
Rushford	567	1.6	6	62	0	0	0	0	175	0	0	0	0	330	0	0	0	0
Rushford Village	365	0.6	1	86	0	0	0	0	86	0	0	0	0	193	0	0	0	0
Spring Valley	2066	2.6	6	53	0	0	0	0	410	0	0	0	0	1603	0	0	0	0
Whalan	83	1.4	1	23	0	0	0	0	31	0	0	0	0	29	0	0	0	0
Wykoff	295	1.6	3	0	0	0	0	0	59	0	0	0	0	236	0	0	0	0
Fillmore	7056	1.7	3.8%	572	3	0	0	0	1589	0	0	0	0	4895	0	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Freeborn																		
Albert Lea	11918	3.3	20	680	0	0	0	0	4119	40	0	0	0	7119	480	0	0	0
Alden	654	3.6	10	65	0	0	0	0	155	0	0	0	0	434	0	0	0	0
Clarks Grove	311	2.1	2	0	0	0	0	0	64	0	0	0	0	247	0	0	0	0
Conger	169	4.0	10	18	0	0	0	0	30	0	0	0	0	121	2	0	0	0
Emmons	243	2.0	5	29	0	0	0	0	64	0	0	0	0	151	17	0	0	0
Freeborn	211	2.4	10	38	0	0	0	0	38	4	0	0	4	134	4	0	0	0
Geneva	623	4.1	10	127	0	0	0	0	122	0	0	0	0	375	0	0	0	0
Glenville	673	3.1	25	128	0	0	0	0	155	0	0	0	0	390	0	0	0	0
Hartland	222	2.0	5	0	0	0	0	0	62	0	0	0	0	160	0	0	0	0
Hayward	544	5.6	10	10	0	0	0	0	87	0	0	0	0	446	0	0	0	0
Hollandale	277	2.0	10	24	0	0	0	0	78	0	0	0	0	175	12	0	0	0
Manchester	9	0.3	2	0	0	0	0	0	7	0	0	0	0	2	0	0	0	0
Myrtle	67	2.2	5	5	0	0	0	0	17	0	0	0	0	45	0	0	0	2
Twin Lakes	315	4.1	5	83	0	0	0	0	128	0	0	0	0	104	0	0	0	0
Freeborn	16236	3.2	13.5%	1207	0	0	0	0	5126	44	0	0	4	9903	515	0	0	2

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Goodhue																			
Bellechester	118	1.7	5	0	0	0	0	0	32	5	0	0	0	86	0	0	0	0	
Cannon Falls	2836	3.1	10	238	0	0	0	0	1386	0	0	0	0	1212	22	0	0	0	
Dennison	67	1.1	6	7	0	0	0	0	7	0	0	0	0	53	0	0	0	0	
Goodhue	426	1.9	4	52	0	0	0	0	149	0	0	0	0	224	0	0	0	0	
Kenyon	1069	2.5	4	22	0	0	0	0	245	0	0	0	0	802	0	0	0	0	
Pine Island	809	1.2	2	53	0	0	0	0	281	0	0	0	0	475	0	0	0	0	
Red Wing	12475	2.9	10	1243	0	0	0	0	5353	96	0	0	0	5879	48	0	0	0	
Wanamingo	743	2.4	3	75	0	0	0	0	355	0	0	0	0	312	0	0	0	0	
Zumbrota	879	1.3	2	45	0	0	0	0	373	0	0	0	30	462	0	0	0	0	
Goodhue	19422	2.5	6.4%	1735	0	0	0	0	8181	101	0	0	30	9505	70	0	0	0	

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Grant																			
Ashby	499	3.4	3	136	0	0	0	0	163	10	0	0	0	199	5	0	0	5	
Barrett	1869	7.2	15	210	0	0	0	0	879	0	0	0	0	780	12	0	0	0	
Elbow Lake	3992	9.7	5	1377	11	0	0	0	1334	21	0	0	0	1281	254	0	0	0	
Herman	1241	5.8	5	308	0	0	0	0	294	0	0	0	0	639	95	0	0	0	
Hoffman	671	2.8	10	58	10	0	0	0	153	0	0	0	0	460	58	0	0	0	
Norcross	551	6.0	5	242	0	0	0	0	196	4	0	0	0	114	4	0	0	0	
Wendell	409	4.8	3	123	0	0	0	0	139	0	0	0	0	147	16	0	0	0	
Grant	9232	6.4	5.6%	2454	21	0	0	0	3158	35	0	0	0	3620	444	0	0	5	

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Hennepin																		
Brooklyn Center	17225	3.9	10	1752	175	0	58	0	4905	701	58	58	0	10569	1109	58	117	0
Champlin	20059	4.4	10	6848	242	182	61	0	9272	242	0	0	0	3939	0	0	61	0
Corcoran	34597	4.9	7	11568	106	318	0	106	16980	1698	531	106	0	6049	0	106	0	0
Crystal	14870	4.5	NR	2959	0	296	74	0	4069	148	74	74	0	7842	1258	0	0	0
Dayton	20696	5.5	12	8741	142	189	0	0	7702	189	189	47	0	4253	95	0	0	0
Eden Prairie	99036	7.4	NR	22047	356	356	0	0	54585	2134	1422	356	0	22403	0	0	0	0
Greenfield	14218	3.8	5	11742	212	637	0	0	1768	71	71	0	0	707	141	0	0	0
Hopkins	9954	3.8	10	1359	32	0	0	0	3223	316	0	63	0	5372	1043	32	32	0
Loretto	397	2.4	10	159	0	0	0	0	94	29	0	7	0	144	0	0	0	0
Medicine Lake	1247	11.0	5	411	0	0	0	0	426	26	0	0	0	411	21	0	0	0
New Hope	19987	6.1	15	995	41	0	0	0	4147	912	41	41	0	14845	1451	373	83	41
Richfield	17504	3.8	15	1164	0	0	48	0	2764	339	48	0	0	13576	3103	145	145	0
Robbinsdale	4318	2.7	4	183	0	0	0	0	1485	46	23	23	0	2650	251	23	0	0
Rogers	12719	4.0	10	5940	419	210	70	0	5241	140	0	0	0	1537	0	0	0	0
Saint Anthonyh	2419	2.2	3	79	0	0	0	0	610	20	0	0	0	1731	295	0	20	0
Saint Louis Park	34964	5.8	5	3754	215	0	0	0	9867	1287	107	322	215	21343	3110	322	0	107
Hennepin	324210	5.2	7.7%	79701	1940	2188	311	106	127138	8298	2564	1097	215	117371	1187	1059	458	148

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Houston																		
Brownsville	517	3.2	4	263	0	0	0	0	91	0	0	0	0	162	0	0	0	0
Caledonia	853	1.5	0	152	0	0	0	0	164	0	0	0	0	538	0	0	0	0
Eitzen	20	0.2	1	4	0	0	0	0	0	0	0	0	0	16	0	0	0	0
Hokah	170	1.3	1	32	0	0	0	0	64	0	0	0	0	74	0	0	0	0
Houston	294	1.4	5	28	0	0	0	0	56	0	0	0	0	210	0	0	0	0
La Crescent	2889	3.0	7	194	0	0	0	0	792	0	0	0	0	1903	0	0	0	0
Spring Grove	341	1.2	4	49	0	0	0	0	122	0	0	0	0	171	0	0	0	0
Houston	5084	2.1	5.8%	722	0	0	0	0	1289	0	0	0	0	3074	0	0	0	0
Hubbard																		
Akeley	498	1.8	1	332	0	0	0	0	104	0	0	0	0	62	0	0	0	0
Laporte	6	0.1	<1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nevis	277	1.1	<1	134	0	0	0	0	116	9	0	0	0	27	0	0	0	0
Park Rapids	603	0.5	<1	170	0	0	0	0	358	0	0	0	0	75	0	0	0	0
Hubbard	1384	0.7	1.0%	642	0	0	0	0	578	9	0	0	0	164	0	0	0	0

Urban Ash Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Isanti																		
Braham	371	1.1	2	59	0	0	0	0	156	0	0	0	0	156	0	0	0	0
Cambridge	3783	2.7	10	1320	0	0	0	0	1188	0	0	0	0	1276	0	0	0	0
Isanti	2225	3.6	10	759	13	0	0	0	952	0	0	0	0	514	0	0	0	0
Isanti	6379	2.7	8.1%	2138	13	0	0	0	2296	0	0	0	0	1946	0	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Itasca																		
Bigfork	431	3.0	8	76	0	0	0	0	329	0	0	0	0	25	0	0	0	0
Calumet	61	0.5	1	18	0	0	0	0	18	0	0	0	0	24	0	0	0	6
Cohasset	6196	1.1	NR	3541	0	0	0	0	1888	0	0	0	0	767	0	0	0	0
Coleraine	597	2.3	2	333	0	0	0	0	178	39	8	16	0	85	23	16	23	0
Deer River	152	0.8	1	24	0	0	0	0	90	0	0	0	0	38	0	0	0	0
Grand Rapids	9825	2.5	30	3112	0	0	0	0	5798	0	0	0	0	915	0	0	0	0
Keewatin	837	3.6	15	216	0	0	0	0	283	7	0	0	0	337	0	0	0	0
La Prairie	102	0.5	2	44	0	0	0	0	59	0	7	0	0	0	0	0	0	0
Marble	851	4.4	7	176	6	0	0	0	577	97	0	12	6	97	6	0	0	0
Nashwauk	606	3.1	4	296	0	0	0	0	240	7	0	0	0	70	0	0	0	0
Squaw Lake	1366	12.3	15	598	0	0	0	0	498	0	0	0	0	270	0	0	0	0
Taconite	106	1.0	NR	45	0	0	0	0	56	0	0	0	0	6	0	0	0	0
Warba	21	0.3	<1	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0
Zemple	203	4.6	5	123	0	0	0	0	52	0	0	0	0	28	0	0	0	0
Itasca	21354	1.9	3.7%	8602	6	0	0	0	10066	150	15	28	6	2683	29	16	23	6

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Jackson																			
Alpha	222	3.6	10	48	0	0	0	0	86	0	0	0	0	88	10	0	0	0	
Heron Lake	1144	4.6	25	174	0	0	0	0	541	0	0	0	81	429	0	0	0	0	
Jackson	3081	3.2	8	304	38	0	0	0	1008	57	0	0	19	1769	76	0	0	0	
Lakefield	2168	4.4	15	323	0	0	0	0	835	54	0	0	0	1010	67	0	0	0	
Okabena	603	7.3	25	51	0	0	0	0	229	0	0	0	0	322	38	0	0	0	
Wilder	387	4.1	30	80	0	0	0	0	182	0	0	0	0	125	3	0	0	0	
Jackson	7605	3.9	12.0%	980	38	0	0	0	2881	111	0	0	100	3743	194	0	0	0	
Kanabec																			
Grasston	34	0.6	3	7	0	0	0	0	17	0	0	0	0	10	0	0	0	0	
Mora	960	1.2	6	48	0	0	0	0	240	0	0	0	0	672	16	0	0	0	
Ogilvie	453	3.9	8	73	0	0	0	0	98	0	0	0	0	282	0	0	0	4	
Quamba	295	4.0	10	129	0	0	0	0	65	0	0	0	3	101	0	0	0	14	
Kanabec	1742	1.6	6.8%	257	0	0	0	0	420	0	0	0	3	1065	16	0	0	18	

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Kandiyohi																		
Atwater	1571	5.2	15	130	0	0	0	0	391	0	0	0	0	1050	57	0	0	0
Blomkest	502	5.4	10	29	0	0	0	0	115	0	0	0	0	359	0	0	0	0
Kandiyohi	687	6.3	10	46	0	0	0	0	188	9	0	0	0	453	9	0	0	0
Lake Lillian	726	6.8	15	4	0	0	0	0	179	4	0	0	0	542	31	0	0	0
New London	1344	5.4	30	125	0	0	0	0	712	18	0	0	0	507	0	0	0	0
Pennock	738	5.8	10	128	0	0	0	4	218	11	0	0	0	391	15	0	0	0
Prinsburg	1158	7.3	20	11	0	0	0	0	461	0	0	0	0	686	0	0	0	0
Raymond	1615	10.9	30	56	0	0	0	0	718	0	0	0	0	841	40	0	0	0
Spicer	1340	4.2	10	285	0	0	0	0	739	11	0	0	0	317	0	0	0	0
Sunburg	91	2.4	15	36	0	0	0	0	23	0	0	0	0	32	0	0	0	0
Willmar	33379	9.9	50	2432	0	0	0	0	8642	52	0	0	0	22304	724	0	0	0
Kandiyohi	43151	8.6	32.9%	3282	0	0	0	4	12386	105	0	0	0	27482	876	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Kittson																		
Donaldson	291	9.4	10	20	2	0	0	0	222	18	0	0	0	49	13	0	0	2
Hallock	2151	5.9	4	405	0	0	0	0	1148	10	0	0	0	598	19	0	0	0
Halma	37	0.5	1	10	0	0	0	0	16	0	0	0	0	10	0	0	0	0
Humboldt	128	2.7	2	37	0	0	0	0	76	7	0	0	0	15	2	0	0	0
Karlstad	528	2.0	1	148	0	0	0	0	250	9	0	0	0	130	0	0	0	0
Kennedy	670	5.6	5	173	0	0	0	0	266	13	0	0	0	231	22	0	0	0
Lake Bronson	186	1.6	2	8	0	0	0	0	110	0	0	0	0	68	0	0	0	0
Lancaster	777	3.8	2	187	0	0	0	0	413	10	0	0	0	177	0	0	0	0
Saint Vincent	151	1.4	1	76	0	0	0	0	62	0	0	0	0	13	0	0	0	0
Kittson	4919	3.7	2.5%	1064	2	0	0	0	2563	67	0	0	0	1291	56	0	0	2
Koochiching																		
Big Falls	532	2.6	3	21	0	0	0	0	441	0	0	0	0	70	21	0	0	0
International Falls	21104	13.9	50	4160	257	0	0	0	13766	841	0	0	0	3179	164	0	0	0
Littlefork	498	1.9	3	183	22	0	0	0	271	22	0	0	0	44	0	0	0	0
Northome	131	1.1	5	10	0	0	0	0	78	0	0	0	0	42	0	0	0	0
Ranier	1067	13.3	10	200	0	0	0	0	600	4	0	0	0	267	18	0	0	0
Koochiching	23332	10.7	26.0%	4574	279	0	0	0	15156	867	0	0	0	3602	203	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Lac Qui Parle																		
Bellingham	851	9.0	30	49	0	0	0	0	364	16	0	0	0	438	25	0	0	0
Boyd	561	6.5	10	109	4	0	0	0	173	4	0	0	0	279	0	0	0	0
Dawson	4261	9.6	20	210	0	0	0	0	1339	44	0	0	11	2712	144	0	0	0
Louisburg	363	9.4	15	95	0	0	0	0	157	5	0	0	0	111	5	0	0	3
Madison	1737	4.0	20	194	0	0	0	0	529	0	0	0	0	1014	0	0	0	0
Marietta	927	7.3	25	93	0	0	0	0	303	8	0	0	0	531	17	0	0	0
Nassau	523	7.4	30	163	0	0	0	0	214	6	0	0	6	146	3	0	0	0
Lac Qui Parle	9223	7.1	19.9%	913	4	0	0	0	3079	83	0	0	17	5231	194	0	0	3
Lake																		
Beaver Bay	6	0.0	NR	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
Silver Bay	3058	5.1	10	84	0	0	12	0	1235	0	12	0	0	1739	0	0	0	0
Two Harbors	930	1.4	2	227	0	0	0	0	431	0	0	0	0	272	0	0	0	0
Lake	3994	2.9	5.2%	311	0	0	12	0	1666	0	12	0	0	2017	0	0	0	0
Lake of the Woods																		
Baudette	1483	3.0	2	254	0	0	0	0	985	0	0	0	0	244	0	0	0	0
Williams	181	1.8	2	33	0	0	0	0	81	0	0	0	0	67	3	0	0	0
Lake of the Woods	1664	2.8	2.0%	287	0	0	0	0	1066	0	0	0	0	311	3	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Le Sueur																		
Cleveland	518	3.2	10	63	0	0	0	0	235	26	0	0	0	220	0	0	0	0
Elysian	671	2.9	10	136	0	0	0	0	311	16	0	0	0	224	0	0	0	0
Heidelberg	253	3.2	10	114	0	0	0	0	114	0	0	0	0	26	0	0	0	0
Kasota	275	1.3	NR	31	0	0	0	0	196	12	0	0	0	49	0	0	0	0
Kilkenny	169	3.5	10	25	0	0	0	0	103	2	0	0	0	41	7	0	0	0
Le Center	1682	4.0	12	174	0	0	0	0	933	0	0	0	0	575	11	0	0	0
Le Sueur	2354	2.7	10	161	0	0	0	0	921	0	0	0	0	1272	117	0	0	0
Montgomery	1960	4.1	15	263	0	0	0	0	738	40	0	0	10	960	30	0	0	0
Waterville	2081	3.6	15	466	0	0	0	0	1087	16	0	0	0	528	16	0	0	0
Le Sueur	9963	3.3	12.0%	1433	0	0	0	0	4638	112	0	0	10	3895	181	0	0	0
Lincoln																		
Arco	416	4.5	20	181	0	0	0	0	117	6	0	0	0	117	3	0	0	0
Hendricks	2138	9.5	40	104	0	0	0	0	589	16	0	0	0	1444	16	0	0	0
Ivanhoe	1341	8.0	30	119	0	0	0	6	334	0	0	0	0	888	66	0	0	0
Lake Benton	1306	5.5	15	446	0	0	0	0	384	0	0	0	0	477	31	0	0	0
Tyler	2949	7.0	20	577	0	0	10	0	693	21	0	0	0	1679	42	0	0	0
Lincoln	8150	7.1	23.1%	1427	0	0	10	6	2117	43	0	0	0	4605	158	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Lyon																		
Balaton	1846	7.8	15	286	0	0	0	0	469	12	0	0	0	1090	18	0	0	0
Cottonwood	2097	6.2	20	102	0	0	0	0	741	0	0	0	0	1253	32	0	0	0
Florence	484	13.9	15	158	0	0	0	0	200	12	0	0	0	125	2	0	0	0
Garvin	673	8.3	15	144	0	0	0	0	195	0	0	0	0	334	9	0	0	0
Ghent	489	7.1	10	163	0	0	0	0	179	0	0	0	0	147	0	0	0	0
Lynd	522	5.2	10	105	0	0	0	0	215	5	0	0	0	202	5	0	0	0
Marshall	13103	6.0	35	1853	0	0	0	33	5228	99	0	0	0	6022	132	0	0	0
Minneota	2434	7.2	20	59	8	0	0	0	1188	25	0	0	0	1188	25	0	0	0
Russell	919	5.7	5	167	6	0	0	0	290	0	0	0	0	463	0	0	0	6
Taunton	421	5.6	10	49	3	0	0	16	247	7	0	0	13	125	0	0	0	0
Tracy	2810	5.6	20	197	0	0	0	0	850	12	0	0	0	1762	62	0	0	0
Lyon	25798	6.3	20.3%	3283	17	0	0	49	9802	172	0	0	13	12711	285	0	0	6
Mahnomen																		
Bejou	317	5.5	5	161	0	0	0	0	80	0	0	0	0	76	5	0	0	0
Mahnomen	2020	7.6	6	490	0	0	0	0	1020	6	6	0	0	510	32	0	0	0
Waubun	704	5.0	5	306	5	0	0	0	312	0	0	0	0	86	5	0	0	0
Mahnomen	3041	6.6	5.6%	957	5	0	0	0	1412	6	6	0	0	672	42	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Marshall																		
Alvarado	339	3.6	2	35	0	0	0	0	171	0	0	0	0	132	0	0	0	0
Argyle	2299	8.1	5	567	0	0	0	0	1268	16	8	0	0	465	16	0	0	8
Grygla	177	2.0	1	90	0	0	0	0	54	0	0	0	0	33	0	0	0	0
Holt	128	1.7	1	40	0	0	0	0	73	0	0	0	0	15	3	0	0	0
Middle River	200	1.5	1	68	0	0	0	0	91	0	0	0	0	41	0	0	0	0
Newfolden	245	2.0	1	28	0	0	0	0	124	0	0	0	0	92	4	0	0	0
Oslo	263	2.1	1	48	0	0	0	0	83	0	0	0	0	132	0	0	0	0
Stephen	1744	7.3	5	414	0	0	0	0	772	6	0	0	0	558	0	0	0	0
Strandquist	186	3.5	2	31	0	0	0	0	72	2	0	0	0	83	12	0	0	0
Viking	272	3.7	3	33	0	0	0	0	103	0	0	0	0	136	11	0	0	0
Warren	4025	9.0	5	625	0	0	0	0	1724	0	28	9	0	1676	0	38	0	9
Marshall	9878	5.7	3.3%	1979	0	0	0	0	4535	24	36	9	0	3363	46	38	0	17

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Martin																		
Ceylon	674	3.4	15	54	0	0	0	0	183	0	0	0	5	437	0	0	0	0
Dunnell	489	6.4	10	126	0	0	0	0	175	0	0	0	0	188	4	0	0	0
Fairmont	4090	1.7	15	271	0	0	0	0	1263	0	0	0	0	2556	30	0	0	0
Granada	851	7.5	25	386	0	0	0	0	122	0	0	0	0	344	17	0	0	0
Northrop	192	3.3	10	0	0	0	0	0	72	0	0	0	0	120	3	0	0	0
Sherburn	1031	3.5	15	392	0	0	0	0	205	0	0	0	0	435	9	0	0	0
Trimont	1505	6.9	35	6	0	0	0	0	235	24	0	0	0	1264	60	0	0	0
Truman	1510	5.6	20	36	0	0	0	0	437	14	0	0	0	1038	14	0	0	0
Welcome	722	2.7	8	15	0	0	0	0	214	0	0	0	0	494	0	0	0	0
Martin	11064	2.9	15.9%	1286	0	0	0	0	2906	38	0	0	5	6876	137	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
McLeod																		
Biscay	138	4.6	2	9	0	0	0	0	75	0	0	0	0	54	0	0	0	0
Brownnton	632	3.9	7	32	0	0	0	0	126	0	0	0	0	474	21	0	0	5
Glencoe	4118	4.2	10	174	0	0	0	0	1378	0	0	0	0	2565	122	0	0	0
Hutchinson	11031	4.6	10	263	0	0	0	0	4248	99	0	0	0	6520	329	0	0	33
Lester Prairie	873	3.6	5	135	0	0	0	0	466	8	0	0	0	271	0	0	0	0
Plato	200	2.1	5	24	0	0	0	0	48	0	0	0	0	128	0	0	0	0
Silver Lake	605	3.5	1	5	0	0	0	0	187	0	0	0	0	412	0	0	0	0
Stewart	1150	7.0	15	128	0	0	0	0	233	0	0	0	0	789	45	0	0	0
Winsted	2605	6.5	20	70	0	0	0	0	681	50	0	0	0	1854	140	0	0	0
McLeod	21352	4.6	7.9%	840	0	0	0	0	7442	157	0	0	0	13067	657	0	0	3

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Meeker																		
Cedar Mills	94	3.5	7	49	0	0	0	0	6	0	0	0	0	39	3	0	0	0
Cosmos	1668	9.8	25	100	6	0	0	0	631	12	0	0	0	937	47	0	0	0
Darwin	499	4.8	15	105	4	0	0	4	117	13	0	0	0	277	4	0	0	0
Dassel	1173	4.0	10	185	0	0	0	0	555	18	0	0	0	432	9	0	0	35
Eden Valley	685	3.0	7	52	0	0	0	0	381	9	0	0	0	251	0	0	0	0
Grove City	941	6.7	10	49	0	0	0	0	340	0	0	0	0	553	0	0	0	0
Kingston	127	2.0	10	16	0	0	0	0	40	0	0	0	0	72	0	0	0	0
Litchfield	5389	4.0	25	348	0	0	0	0	1951	77	0	0	0	3091	39	0	0	0
Watkins	566	3.4	8	87	0	0	6	0	167	0	0	0	0	312	0	0	0	0
Meeker	11142	4.4	15.4%	991	10	0	6	4	4188	129	0	0	0	5964	102	0	0	35

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Mille Lacs																		
Bock	55	1.2	.9	3	0	0	0	0	24	0	0	0	0	28	0	0	0	0
Foreston	398	2.7	5	105	0	0	0	0	128	0	0	0	0	165	0	0	0	8
Isle	1386	4.3	15	798	0	0	0	0	349	9	0	0	0	239	9	0	0	0
Milaca	802	1.6	4.5	128	0	0	0	0	267	0	0	0	0	407	0	0	0	0
Onamia	365	1.9	4	123	0	0	0	0	118	0	0	0	0	123	0	0	0	0
Pease	36	0.6	1	3	0	0	0	0	20	0	0	0	0	13	0	0	0	0
Princeton	3111	3.6	8	961	0	0	0	0	1235	0	0	0	0	915	0	0	0	0
Wahkon	2250	8.6	>10	1261	0	0	0	0	595	10	0	10	0	394	20	0	0	0
Mille Lacs	8403	3.5	7.3%	3382	0	0	0	0	2736	19	0	10	0	2284	29	0	0	8

Urban Ash Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Morrison																		
Bowlus	108	0.8	5	72	0	0	0	0	10	0	0	0	0	26	0	0	0	0
Elmdale	101	1.2	1	12	0	0	0	0	47	0	0	0	0	41	0	0	0	0
Flensburg	977	3.8	15	359	0	0	0	0	379	0	0	0	0	239	0	0	0	0
Genola	64	1.8	4	0	0	0	0	0	14	0	0	0	0	50	0	0	0	0
Hillman	155	4.0	8	90	0	0	0	0	51	2	0	0	0	14	0	0	0	0
Lastrup	86	1.7	14	31	0	0	0	0	38	0	0	0	0	17	0	0	0	0
Little Falls	3526	2.1	11	1045	0	0	0	0	1480	0	0	0	0	1001	0	0	0	0
Motley	113	0.4	1	16	0	0	0	0	73	0	0	0	0	24	0	0	0	0
Pierz	848	3.5	10	105	0	0	0	0	365	0	0	0	0	379	0	0	0	0
Randall	818	2.8	3	298	0	0	0	0	335	0	0	0	0	186	0	0	0	0
Royalton	321	1.2	3	69	0	0	0	0	95	0	0	0	0	156	0	0	0	0
Swanville	208	2.0	1	53	0	0	0	0	106	0	0	0	0	48	0	0	0	0
Upsala	152	1.5	2.03	5	0	0	0	0	57	0	0	0	0	90	0	0	0	0
Morrison	7477	2.1	5.3%	2155	0	0	0	0	3050	2	0	0	0	2271	0	0	0	0

Urban Ash Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Mower																		
Adams	638	3.5	5	0	0	0	0	205	0	0	0	0	433	15	0	0	0	
Austin	13360	3.7	30	733	0	0	0	3731	100	0	0	0	8895	300	0	0	0	
Brownsdale	671	4.7	15	72	0	0	0	228	6	0	0	6	371	6	0	0	0	
Dexter	401	3.4	10	94	0	0	0	165	0	0	0	14	142	0	0	0	5	
Elkton	121	2.1	5	12	0	0	0	76	0	0	0	0	32	0	0	0	0	
Grand Meadow	950	3.9	5	17	0	0	0	261	0	0	0	0	673	0	0	0	0	
Le Roy	720	2.9	7	142	0	0	0	338	0	0	0	0	240	0	0	0	9	
Lyle	782	5.2	20	28	0	0	0	211	0	0	0	0	543	11	0	0	0	
Mapleview	100	2.5	10	5	0	0	0	25	0	0	0	0	70	3	0	0	0	
Racine	166	1.4	5	48	0	0	0	81	0	0	0	0	38	5	0	0	0	
Rose Creek	257	2.6	10	19	0	0	0	127	23	0	0	0	111	15	0	0	0	
Sargeant	86	2.1	10	7	0	0	0	44	0	0	0	0	35	0	0	0	0	
Taopi	84	2.2	3	40	0	0	0	40	0	0	0	0	3	0	0	0	0	
Waltham	530	7.8	5	223	6	0	0	165	6	0	0	0	142	16	0	0	0	
Mower	18866	3.7	15.4%	1440	6	0	0	5	5697	135	0	0	20	11728	371	0	0	14

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Murray																		
Avoca	1115	7.7	10	259	0	0	0	0	550	43	0	0	0	307	0	0	0	0
Chandler	534	7.2	10	215	0	0	0	0	203	0	0	0	0	117	0	0	0	0
Currie	822	6.7	15	147	0	0	0	0	240	0	0	0	0	436	5	0	0	0
Dovray	336	7.4	10	9	0	0	0	0	114	0	0	0	0	214	0	0	0	0
Fulda	3157	9.2	20	573	0	0	0	0	605	33	0	0	0	1979	65	0	0	0
Hadley	398	10.2	10	85	0	0	0	0	94	0	0	0	0	220	0	0	0	0
Iona	1287	12.5	10	291	0	0	0	0	338	0	0	0	28	658	9	0	0	0
Lake Wilson	531	4.3	10	89	0	0	0	0	238	0	0	0	0	204	0	0	0	0
Slayton	5250	9.3	15	538	0	0	0	0	2023	0	0	0	0	2689	26	26	0	0
Murray	13430	8.6	13.7%	2206	0	0	0	0	4405	76	0	0	28	6824	105	26	0	0
Nicollet																		
Courtland	583	2.7	5	141	9	0	0	0	310	0	0	0	0	132	0	0	0	0
Lafayette	673	3.0	10	48	0	0	0	0	228	6	0	0	6	397	12	0	0	0
Nicollet	1136	5.7	10	142	0	0	0	0	376	25	0	0	0	618	33	0	0	0
North Mankato	9216	4.6	10	4112	47	0	0	0	3875	95	0	0	0	1229	47	0	0	0
Saint Peter	5007	2.3	15	2874	0	0	0	0	1896	30	0	30	0	237	0	0	0	0
Nicollet	16615	3.4	10.7%	7317	56	0	0	0	6685	156	0	30	6	2613	92	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Nobles																		
Adrian	6367	21.8	20	496	0	0	0	0	2336	0	0	0	58	3534	0	0	0	0
Bigelow	721	8.3	15	131	0	0	0	0	197	0	0	0	0	394	5	0	0	0
Brewster	671	4.3	15	88	0	0	0	0	273	0	0	0	0	310	0	0	0	0
Dundee	293	4.8	15	76	0	0	0	0	144	0	0	0	0	73	5	0	0	0
Ellsworth	1204	7.3	25	94	0	0	0	0	454	0	0	0	0	655	0	0	0	0
Lismore	1272	14.2	20	296	0	0	0	0	343	0	0	0	0	633	11	0	0	0
Round Lake	1406	9.2	15	188	0	0	0	0	421	0	0	0	0	797	0	0	0	0
Rushmore	613	5.0	15	85	0	0	0	0	148	0	0	0	0	381	0	0	0	0
Wilmont	4766	31.3	20	1132	0	0	0	0	566	0	0	0	0	3068	131	0	0	0
Worthington	6413	3.1	30	429	0	0	0	0	2008	19	0	0	0	3976	19	0	0	19
Nobles	23726	7.1	21.0%	3015	0	0	0	0	6890	19	0	0	58	13821	171	0	0	19

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Norman																		
Ada	2368	5.6	5	686	9	0	0	0	905	18	18	0	0	777	137	37	18	0
Borup	657	14.9	8	235	0	0	0	0	362	0	0	0	0	59	0	0	0	0
Gary	532	5.3	6	227	0	0	0	0	224	0	0	0	0	80	6	0	0	0
Halstad	960	7.1	8	223	4	0	0	0	541	22	0	0	0	196	35	0	0	0
Hendrum	732	7.1	5	200	3	0	0	3	263	3	0	0	0	270	7	3	0	0
Perley	299	6.7	4	120	0	0	0	0	84	0	0	0	0	95	4	0	0	0
Shelly	348	4.6	5	47	0	0	0	0	127	6	0	0	0	174	9	3	0	0
Twin Valley	1334	5.0	3	356	6	0	0	0	557	0	0	0	0	421	0	0	0	0
Norman	7230	6.1	4.8%	2094	22	0	0	3	3063	49	18	0	0	2072	198	43	18	0
Olmsted																		
Byron	1445	2.2	4	165	0	0	0	0	399	0	0	0	0	881	0	0	0	0
Dover	511	3.8	7	65	0	0	0	0	168	6	0	0	0	278	0	0	0	0
Eyota	395	1.2	3	36	0	0	0	0	198	0	0	0	0	162	0	0	0	0
Oronoco	581	1.2	NR	106	0	0	0	0	304	0	0	0	0	172	0	0	0	0
Rochester	53557	2.6	4	2056	0	0	0	0	13703	114	0	0	0	37798	114	0	0	0
Stewartville	1808	2.3	5	155	0	0	0	0	379	0	0	0	0	1274	0	0	0	0
Olmsted	58297	2.6	3.9%	2583	0	0	0	0	15151	120	0	0	0	40565	114	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Otter Tail																		
Battle Lake	1019	2.6	1	306	0	0	0	0	204	0	0	0	0	510	11	0	0	0
Bluffton	400	2.7	2	154	0	0	0	0	149	0	0	0	0	97	0	0	0	0
Clitherall	229	3.6	20	21	0	0	0	0	106	0	0	0	0	102	0	0	0	0
Dalton	474	5.4	30	93	0	0	0	0	142	0	0	0	0	239	0	0	0	0
Deer Creek	158	1.5	5	58	0	0	0	0	76	0	0	0	0	25	0	0	0	0
Dent	89	1.2	3	31	0	0	0	0	23	0	0	0	0	35	0	0	0	0
Elizabeth	148	1.7	2	51	0	0	0	0	53	0	0	0	0	44	0	0	0	2
Erhard	66	1.1	1	23	0	0	0	0	12	0	0	0	0	31	4	0	0	0
Fergus Falls	16308	5.2	5	5015	79	79	0	0	5331	0	0	0	0	5962	158	0	0	0
Henning	761	2.3	5	128	0	0	0	0	336	0	0	0	0	296	0	0	0	0
New York Mills	557	1.9	2	151	0	0	0	0	244	0	0	0	0	162	0	0	0	0
Ottertail	572	1.7	2	322	0	0	0	7	179	0	0	0	0	72	0	0	0	0
Parkers Prairie	1980	6.2	10	458	0	0	0	0	644	10	0	0	0	878	20	0	0	0
Pelican Rapids	2160	4.8	4	561	12	0	0	0	644	12	0	0	0	955	12	0	0	0
Perham	3473	5.2	5	770	0	0	0	0	907	34	0	17	0	1796	51	17	51	0
Richville	321	3.0	5	156	0	0	0	0	90	0	0	0	0	74	0	0	0	0
Underwood	254	2.6	5	11	0	0	0	0	99	0	0	0	0	144	0	0	0	0
Urbank	84	1.9	3	22	0	0	0	0	33	0	0	0	0	29	0	0	0	0
Vergas	89	0.6	<1	24	0	0	0	0	49	0	0	0	0	16	0	0	0	0
Vining	53	0.8	1	4	0	0	0	0	30	0	0	0	0	19	0	0	0	0

Urban Ash Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Otter Tail	29195	4.2	4.1%	8359	91	79	0	7	9351	56	0	17	0	11486	256	17	51	2
Pennington																		
Goodridge	110	1.4	2	18	0	0	0	0	61	0	0	0	0	30	3	0	0	0
Saint Hilaire	463	3.6	4	69	0	0	0	0	246	0	0	0	0	148	0	0	0	0
Thief River Falls	6828	4.6	4	1355	55	0	0	0	2681	28	0	0	0	2792	28	0	0	0
Pennington	7401	4.4	3.9%	1442	55	0	0	0	2988	28	0	0	0	2970	31	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Pine																		
Askov	75	0.6	1	17	0	0	0	0	34	0	0	0	0	23	0	0	0	0
Brook Park	220	2.8	4.48	96	0	0	0	0	62	0	0	0	0	62	0	0	0	0
Bruno	34	0.5	1	0	0	0	0	0	17	0	0	0	0	17	0	0	0	0
Finlayson	120	1.1	NR	45	0	0	0	0	21	0	0	0	0	54	0	0	0	0
Henriette	168	3.1	6	122	0	0	0	0	25	0	0	0	0	21	0	0	0	0
Hinckley	285	0.7	<1	39	0	0	0	0	89	0	0	0	0	157	10	0	0	0
Kerrick	58	0.8	1	31	0	0	0	0	22	0	0	0	0	4	0	0	0	0
Pine City	2109	3.3	3	578	0	0	0	0	780	0	0	0	0	751	0	0	0	0
Rock Creek	110	0.2	4	24	0	0	0	0	61	0	0	0	0	24	0	0	0	0
Rutledge	49	0.5	>1	0	0	0	0	0	30	0	0	0	0	18	0	0	0	0
Sandstone	472	1.1	2	182	0	0	0	0	172	0	0	0	0	118	9	0	0	0
Sturgeon Lake	77	0.3	<1	15	0	0	0	0	46	0	0	0	0	15	0	0	0	0
Willow River	184	0.7	1	84	0	0	0	0	61	0	0	0	0	38	8	0	0	0
Pine	3961	1.2	2.1%	1233	0	0	0	0	1420	0	0	0	0	1302	27	0	0	0

Urban Ash Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre	%		Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Pipestone																		
Edgerton	3467	9.3	25	262	0	0	0	0	1149	0	0	0	9	2056	9	0	0	9
Hatfield	469	4.2	40	82	3	0	0	0	173	10	0	0	7	214	0	0	0	10
Holland	1363	15.1	30	320	0	0	0	0	573	3	0	0	0	471	6	0	0	0
Ihlen	243	5.0	15	0	0	0	0	0	82	4	0	0	0	161	0	0	0	0
Jasper	1676	9.4	15	232	0	0	0	0	590	11	0	0	0	854	0	0	0	0
Pipestone	11928	12.4	NR	437	0	0	0	0	1348	0	0	0	0	10143	36	0	0	0
Ruthon	781	7.4	8	222	0	0	0	0	202	0	0	0	5	358	5	0	0	0
Trosky	521	7.0	20	31	0	0	0	0	165	0	0	0	0	325	3	0	0	0
Woodstock	691	8.9	20	14	0	0	0	0	210	0	0	0	0	468	0	0	0	0
Pipestone	21139	10.4	18.1%	1600	3	0	0	0	4492	28	0	0	21	15050	59	0	0	19

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Polk																		
Beltrami	318	4.8	4	87	0	0	0	0	147	10	0	0	0	84	0	0	0	3
Climax	304	4.0	2	76	0	0	0	0	136	0	0	0	0	92	0	0	0	0
Crookston	6959	4.9	6	1959	0	23	0	0	2765	23	0	0	0	2235	0	23	0	0
East Grand Forks	12565	8.4	10	2768	87	0	0	65	4152	216	22	0	0	5645	324	0	0	0
Erskine	773	4.8	2	352	0	0	0	0	246	5	0	0	0	176	0	0	0	0
Fertile	1034	3.9	4	298	7	7	0	0	439	0	0	0	0	298	7	0	0	0
Fisher	536	5.9	8	210	0	0	0	0	221	0	0	0	0	105	0	0	0	0
Fosston	1914	4.8	10	36	0	0	0	24	1199	24	0	0	0	678	48	0	0	0
Gully	60	1.1	.5	53	0	0	0	0	3	0	0	0	0	5	0	0	0	0
Lengby	129	1.2	1	28	0	0	0	0	88	0	0	0	0	14	0	0	0	0
McIntosh	800	3.8	5	28	7	0	0	0	548	0	0	0	0	225	0	0	0	0
Mentor	160	1.0	1	33	0	0	0	0	105	0	0	0	0	22	0	0	0	0
Nielsville	299	6.2	NR	64	0	0	0	0	102	0	0	0	0	134	5	3	0	0
Trail	43	0.9	1	8	0	0	0	0	21	0	0	0	0	14	0	0	0	0
Winger	212	3.0	2	109	0	0	0	0	77	0	0	0	0	26	0	0	0	0
Polk	26106	5.6	6.0%	6109	101	30	0	89	10249	278	22	0	0	9753	384	26	0	3

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Pope																			
Cyrus	272	2.7	10	20	0	0	0	0	82	0	0	0	0	171	3	0	0	0	
Farwell	115	3.1	10	17	0	0	0	0	29	0	0	0	0	69	4	0	0	0	
Glenwood	2760	4.0	25	76	0	0	0	0	1198	45	0	0	0	1486	15	0	0	0	
Lowry	273	2.5	1	33	0	0	0	0	100	0	0	0	0	139	11	0	0	0	
Sedan	35	0.7	5	0	0	0	0	0	8	0	0	0	0	28	0	0	0	0	
Starbuck	1723	4.1	20	222	0	0	0	0	561	0	0	0	0	940	26	0	0	0	
Villard	690	4.5	15	99	5	0	0	0	301	5	0	0	0	290	0	0	0	0	
Westport	185	3.4	10	22	0	0	0	0	132	0	0	0	0	30	0	0	0	0	
Pope	6053	3.7	10.4%	489	5	0	0	0	2411	50	0	0	0	3153	59	0	0	0	

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Ramsey																		
Arden Hills	9692	4.3	5	3285	0	41	0	0	3204	41	0	81	0	3204	162	0	0	0
Falcon Heights	4312	4.8	NR	418	0	0	0	0	1565	36	0	0	0	2329	91	0	0	0
Gem Lake	5577	16.4	6	3265	0	0	0	0	1814	45	0	0	23	499	45	0	0	0
Lauderdale	553	2.0	3	60	0	10	0	0	131	0	0	0	0	362	30	0	0	0
Little Canada	8383	4.4	NR	2662	0	0	0	0	3258	0	0	40	0	2463	159	0	40	0
Maplewood	60010	5.2	NR	9974	169	169	0	0	19609	2029	507	338	0	30428	2705	338	169	0
Mounds View	6337	2.4	4	1069	0	0	0	0	1743	158	0	0	0	3525	119	0	0	0
New Brighton	13931	3.8	4	2129	46	0	0	0	3564	231	0	0	0	8238	972	231	46	0
North Oaks	23866	8.9	5	14397	64	0	0	0	8664	386	0	0	258	805	129	0	0	32
North Saint Paul	7132	4.1	5	688	23	0	0	0	1949	92	23	0	0	4495	390	23	0	0
Roseville	17950	2.5	3	4401	86	86	0	0	2762	86	0	0	0	10787	863	173	173	86
Shoreview	15716	3.3	5	1118	0	0	0	0	8182	235	0	0	0	6416	530	0	0	0
Vadnais Heights	11172	4.4	10	2165	0	0	35	0	4818	175	0	0	0	4190	35	0	0	0
West Saint Paul	10501	3.3	15	317	0	0	0	0	1545	40	0	0	0	8638	0	0	0	0
White Bear Lake	18392	3.3	5	1287	0	0	0	0	4617	227	76	0	0	12488	1665	0	0	0
Ramsey	213524	4.2	4.9%	47235	388	306	35	0	67425	3781	606	459	281	98867	7895	765	428	118

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Red Lake																			
Brooks	115	1.9	2	2	0	0	0	0	65	0	0	0	0	48	0	0	0	0	
Oklee	849	5.0	3	196	0	0	0	0	323	0	0	0	0	329	0	0	0	0	
Plummer	161	1.4	2	53	0	0	0	0	53	0	0	0	0	56	0	0	0	0	
Red Lake Falls	2048	3.8	3	428	0	0	0	0	1103	0	0	0	0	518	0	0	0	0	
Red Lake	3173	3.6	2.9%	679	0	0	0	0	1544	0	0	0	0	951	0	0	0	0	

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Redwood																		
Belview	715	5.8	25	78	0	0	0	0	323	0	0	0	0	315	0	0	0	0
Clements	737	7.5	15	80	0	0	0	0	318	3	0	0	0	340	3	0	0	0
Delhi	451	6.0	5	132	0	0	0	0	200	0	0	0	0	119	3	0	0	3
Lamberton	1805	8.2	20	272	27	0	0	0	737	80	0	0	0	796	13	0	0	0
Lucan	541	6.6	15	92	0	0	0	0	208	0	0	0	0	242	12	0	0	0
Milroy	614	8.0	15	130	0	0	0	4	245	0	0	0	0	238	4	0	0	0
Morgan	1298	6.0	10	84	0	0	0	0	603	0	0	0	0	610	7	0	0	0
Redwood Falls	6733	6.6	25	448	0	0	0	0	2126	19	0	0	0	4159	168	0	0	0
Revere	206	3.9	8	36	0	0	0	0	63	3	0	0	0	107	3	0	0	0
Sanborn	1134	6.8	12	123	0	0	0	0	512	6	0	0	0	499	25	0	0	0
Seaforth	537	7.1	15	70	0	0	0	0	260	0	0	0	0	207	0	0	0	0
Vesta	767	7.3	15	53	0	0	0	0	259	19	0	0	0	455	57	0	0	5
Wabasso	1033	6.6	15	93	0	0	0	5	418	5	0	0	0	521	5	0	0	0
Walnut Grove	1174	6.1	10	97	0	0	0	0	568	52	0	0	0	510	13	0	0	0
Wanda	376	6.8	10	25	0	0	0	0	131	3	0	0	0	220	13	0	0	0
Redwood	18121	6.6	15.5%	1813	27	0	0	9	6971	190	0	0	0	9338	326	0	0	8

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Renville																			
Bird Island	2222	6.9	10	78	0	0	0	0	786	10	0	0	0	1358	10	0	0	0	
Buffalo Lake	1025	5.3	5	50	0	0	0	0	391	0	0	0	0	584	33	0	0	0	
Danube	1075	9.0	10	73	0	0	0	0	219	10	0	0	0	783	83	0	0	0	
Fairfax	981	3.6	10	24	0	0	0	0	317	0	0	0	0	641	8	0	0	0	
Franklin	1012	6.7	20	64	0	0	0	0	451	35	0	0	0	497	23	0	0	0	
Hector	1623	5.6	10	86	0	0	0	0	577	47	0	0	0	960	31	0	0	0	
Morton	909	6.2	30	80	0	0	0	0	454	0	0	0	0	375	6	0	0	0	
Olivia	3354	5.6	20	218	13	0	0	0	1221	13	0	0	0	1915	13	0	0	0	
Renville	2372	7.3	8	257	0	0	0	0	821	0	0	0	0	1294	0	0	0	0	
Sacred Heart	1043	6.1	10	35	0	0	0	0	273	0	0	0	0	734	5	0	0	0	
Renville	15616	6.0	10.8%	965	13	0	0	0	5510	115	0	0	0	9141	212	0	0	0	

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Rice																			
Dundas	395	1.7	15	122	0	0	0	0	144	0	0	0	0	129	7	0	0	0	
Faribault	7843	2.1	35	1216	0	0	0	0	4781	0	0	0	0	1845	0	0	0	0	
Lonsdale	1409	4.0	15	218	0	0	0	0	666	11	0	0	0	524	0	0	0	0	
Morristown	532	2.6	8	72	0	0	0	0	237	0	0	0	0	223	7	0	0	0	
Nerstrand	161	1.9	5	32	0	0	0	0	51	0	0	0	0	77	0	0	0	0	
Northfield	6935	3.3	30	751	0	0	0	0	2462	60	0	0	0	3723	150	0	0	0	
Rice	17275	2.5	25.6%	2411	0	0	0	0	8341	71	0	0	0	6521	164	0	0	0	
Rock																			
Beaver Creek	650	6.5	20	86	0	0	0	0	199	0	0	0	0	365	0	0	0	0	
Hardwick	1042	11.7	30	89	0	0	0	0	163	0	0	0	0	789	0	0	0	0	
Hills	2344	15.1	40	114	0	0	0	0	367	8	0	0	0	1862	0	0	0	0	
Kenneth	467	8.9	20	168	0	0	0	0	177	0	0	0	0	122	0	0	0	0	
Luverne	5104	5.4	50	559	0	0	0	0	1778	0	0	0	0	2767	14	0	0	0	
Magnolia	697	8.0	25	73	0	0	0	0	208	4	0	0	0	416	18	0	0	0	
Steen	693	9.7	15	115	0	0	0	0	132	0	0	0	0	445	11	0	0	5	
Rock	10997	7.3	33.8%	1204	0	0	0	0	3024	12	0	0	0	6766	43	0	0	5	

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Roseau																		
Badger	146	0.9	2	42	0	0	0	0	99	0	0	0	0	5	0	0	0	0
Greenbush	760	2.9	2	188	0	0	0	0	486	0	0	0	0	86	0	0	0	0
Roosevelt	63	0.8	1	10	0	0	0	0	40	0	0	0	0	13	0	0	0	0
Roseau	1154	1.9	2	204	15	0	0	0	613	29	0	0	0	336	29	0	0	0
Strathcona	26	0.7	1	6	0	0	0	0	9	0	0	0	0	11	0	0	0	0
Warroad	1430	4.6	5	263	0	0	0	0	746	7	0	0	0	421	28	0	0	0
Roseau	3579	2.5	2.5%	713	15	0	0	0	1993	36	0	0	0	872	57	0	0	0
Scott																		
Belle Plaine	7775	6.3	20	253	0	0	0	0	2305	25	0	0	0	5217	25	0	0	0
Elko	1255	3.9	10	386	0	0	0	0	579	0	0	0	0	290	0	0	0	0
Jordan	2951	3.0	5	469	0	0	0	0	715	0	0	0	0	1766	0	0	22	0
New Market	1067	3.5	8	226	0	0	0	0	388	0	0	0	0	453	0	0	0	0
Prior Lake	12900	2.5	NR	6143	0	0	0	0	4607	0	0	0	384	2150	0	0	0	0
Savage	43551	4.1	NR	16525	0	0	0	0	17902	344	0	0	0	9123	0	0	0	0
Shakopee	38293	3.9	NR	5357	0	0	0	0	13789	0	0	0	0	19146	0	0	0	0
Scott	107792	3.8	10.5%	29359	0	0	0	0	40285	369	0	0	384	38145	25	0	22	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Sherburne																		
Becker	2208	2.4	10	407	0	0	0	0	955	0	0	0	0	845	0	0	0	0
Big Lake	1829	1.3	7	651	0	0	0	0	676	0	0	0	0	501	0	0	0	0
Clear Lake	65	0.4	1	11	0	0	0	0	43	0	0	0	0	11	0	0	0	0
Elk River	15794	0.6	1	7388	0	0	0	0	7897	0	0	0	0	509	0	0	0	0
Zimmerman	860	1.2	3	421	18	0	18	0	333	0	0	0	0	105	0	0	0	0
Sherburne	20756	0.7	1.2%	8878	18	0	18	0	9904	0	0	0	0	1971	0	0	0	0
Sibley																		
Arlington	4426	5.0	10	79	0	0	0	0	1111	0	0	0	0	3235	20	0	0	0
Gaylord	4276	4.5	7	396	0	0	0	0	1267	0	0	0	0	2613	53	0	0	0
Gibbon	2405	5.6	7	239	0	0	0	0	1023	0	0	0	0	1143	0	0	0	0
Green Isle	1106	2.3	5	123	0	0	0	0	246	0	0	0	0	737	0	0	0	0
Henderson	1416	2.1	2	72	0	0	0	0	912	0	0	0	0	432	0	0	0	0
New Auburn	1007	3.2	6	210	0	0	0	0	551	18	0	0	0	245	9	0	0	0
Winthrop	4017	5.6	15	169	0	0	0	0	1239	19	0	0	0	2609	131	0	0	0
Sibley	18653	4.2	6.8%	1288	0	0	0	0	6349	37	0	0	0	11014	213	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
St. Louis																		
Aurora	966	2.2	10	287	0	0	0	0	316	0	0	0	0	363	0	0	0	0
Babbitt	481	1.0	5	87	0	0	0	0	197	0	0	0	0	197	0	0	0	0
Buhl	1000	4.2	8	216	0	0	0	0	392	0	0	0	0	392	0	0	0	0
Chisholm	3171	3.3	10	1382	0	0	0	0	974	0	0	0	0	816	0	0	0	0
Cook	232	1.0	5	45	0	0	0	0	120	0	0	0	0	67	0	0	0	0
Duluth	35623	1.7	6	12264	0	0	0	0	14016	0	0	0	0	9344	97	0	0	0
Ely	1800	2.3	4	929	0	0	0	0	423	0	0	0	0	447	0	0	0	0
Eveleth	3319	5.1	15	965	0	0	0	0	1212	0	0	0	0	1141	0	0	0	0
Floodwood	317	2.1	10	212	0	0	0	0	63	0	0	0	0	42	0	0	0	0
Gilbert	923	1.6	5	164	0	0	0	0	417	0	0	0	0	341	0	0	0	0
Hermantown	11598	0.5	5	6715	0	0	0	0	3662	0	0	0	0	1221	0	0	0	0
Hibbing	78021	13.9	>50	13546	0	76	0	0	13319	0	0	0	0	51156	151	0	0	0
Hoyt Lakes	1668	3.0	10	90	0	0	0	0	548	0	0	0	0	1030	0	0	0	0
Kinney	413	4.7	20	110	0	0	0	0	168	0	0	0	0	135	0	0	0	0
Leonidas	360	15.7	25	241	0	0	0	0	103	7	0	0	0	16	0	0	0	0
McKinley	86	1.1	2	57	0	0	0	0	23	0	0	0	0	5	0	0	0	0
Meadowlands	29	0.4	<1	3	0	0	0	0	16	0	0	0	0	11	0	0	0	0
Mountain Iron	1924	2.3	NR	692	0	0	0	0	797	0	0	0	0	436	0	0	0	0
Orr	452	2.4	8	278	0	0	0	0	97	0	0	0	0	76	0	0	0	0
Proctor	1329	2.0	5	446	0	0	0	0	627	117	0	0	0	255	0	0	0	0

Urban Ash Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Tower	925	3.9	12	610	0	0	0	0	275	0	0	0	0	39	0	0	0	0
Virginia	4559	3.5	12	581	0	0	0	0	1743	13	0	0	0	2235	13	0	0	0
Winton	107	1.9	<5	44	0	0	0	0	34	0	0	0	0	28	0	0	0	0
St. Louis	149303	2.6	5.4%	39964	0	76	0	0	39542	137	0	0	0	69793	261	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Stearns																		
Albany	1422	4.7	20	163	0	0	0	0	509	0	0	0	0	750	0	0	0	0
Avon	340	1.1	3	10	0	0	0	0	194	0	0	0	0	136	0	0	0	0
Belgrade	1945	8.5	30	209	0	0	0	0	946	7	0	0	0	790	27	0	0	0
Brooten	1656	7.5	25	155	7	0	0	0	909	0	0	0	0	592	27	0	0	0
Cold Spring	1752	3.1	15	470	0	0	0	0	859	0	0	0	0	424	11	0	0	0
Elrosa	134	2.5	7	2	0	0	0	0	41	0	0	0	0	91	2	0	0	0
Freeport	882	4.8	15	350	7	0	0	0	385	7	0	0	21	147	0	0	0	0
Greenwald	220	2.2	5	33	0	0	0	0	62	0	0	0	0	125	4	0	0	0
Holdingsford	347	1.8	3	76	0	0	0	0	146	0	0	0	0	125	0	0	7	0
Kimball	193	1.3	4	13	0	0	0	0	97	0	0	0	0	84	0	0	0	0
Meire Grove	123	2.7	5	46	0	0	0	0	0	0	0	0	0	77	0	0	0	0
Melrose	2336	3.4	15	894	0	0	0	0	909	16	0	0	0	533	16	0	0	0
New Munich	226	2.5	10	55	0	0	0	0	115	0	0	0	0	55	0	0	0	0
Paynesville	931	2.3	7	119	0	0	0	0	614	0	0	0	0	198	0	0	0	0
Richmond	711	2.8	10	70	0	0	0	0	433	0	0	0	0	209	15	0	0	0
Rockville	3269	3.9	15	1362	0	0	0	0	1211	0	0	0	0	696	0	0	0	0
Roscoe	163	2.8	5	33	0	0	0	0	51	4	0	0	0	80	0	0	0	0
Saint Anthonys	33	1.1	1	18	0	0	0	0	4	0	0	0	0	12	0	0	0	0
Saint Cloud	17736	2.0	10	5139	0	0	0	0	8012	0	0	0	0	4586	0	0	0	0
Saint Joseph	1741	2.9	10	740	0	0	0	0	754	15	0	0	0	247	0	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Saint Martin	285	2.6	8	33	0	0	0	0	166	0	0	0	0	86	0	0	0	0
Saint Stephen	40	0.2	1	13	0	0	0	0	7	0	0	0	0	20	0	0	0	0
Sartell	1979	0.9	3	751	0	0	0	0	1027	0	0	0	0	200	0	0	0	0
Sauk Centre	10141	8.2	60	2248	54	0	0	0	5672	54	0	0	0	2221	27	0	0	0
Spring Hill	432	11.6	10	261	0	0	0	0	97	0	0	0	0	74	0	0	0	0
Waite Park	2021	2.0	15	253	0	0	0	0	992	0	0	0	0	776	0	0	0	0
Stearns	51058	2.7	11.5%	13516	68	0	0	0	24212	103	0	0	21	13334	129	0	7	0
Steele																		
Blooming Prairie	1148	2.5	5	112	0	0	0	0	528	0	0	0	0	508	0	0	0	0
Ellendale	367	2.2	10	5	0	0	0	0	126	0	0	0	0	235	0	0	0	0
Medford	598	3.0	10	33	0	0	0	0	299	0	0	0	0	266	7	0	0	0
Owatonna	8823	2.0	25	1434	0	0	0	0	3173	0	0	0	0	4216	87	0	0	0
Steele	10936	2.1	16.1%	1584	0	0	0	0	4126	0	0	0	0	5225	94	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Stevens																			
Alberta	289	7.1	7	57	0	0	0	0	165	0	0	0	0	68	2	0	0	0	
Chokio	1718	11.8	10	234	0	0	0	0	706	16	0	0	0	778	31	0	0	0	
Donnelly	1185	8.9	8	257	0	0	0	0	434	5	0	0	0	494	39	0	0	0	
Hancock	2965	12.1	15	459	0	0	0	0	1096	18	0	0	0	1409	61	0	0	0	
Morris	5202	5.4	8	1080	18	0	0	0	1872	72	0	0	0	2250	234	0	0	0	
Stevens	11359	7.4	9.4%	2087	18	0	0	0	4273	111	0	0	0	4999	367	0	0	0	
Swift																			
Appleton	2616	5.8	3	242	0	0	0	0	1220	0	0	0	0	1154	11	0	0	0	
Benson	5944	7.8	5	1385	0	0	0	0	2413	89	22	0	0	2145	156	0	0	0	
Clontarf	881	6.5	NR	391	0	0	0	0	219	0	0	0	0	271	21	0	0	0	
Danvers	575	7.4	5	148	3	0	0	0	313	5	0	0	0	115	0	0	0	0	
De Graff	463	5.5	5	80	0	0	0	0	239	0	4	0	0	144	0	0	0	0	
Holloway	509	6.2	4	87	0	0	0	0	198	0	0	0	0	224	3	0	0	0	
Kerkhoven	1727	7.2	20	106	0	0	0	0	585	0	0	0	0	1036	0	0	0	0	
Murdock	948	7.4	5	178	0	0	0	0	385	0	6	0	0	385	6	0	0	0	
Swift	13663	7.0	4.8%	2617	3	0	0	0	5572	94	32	0	0	5474	197	0	0	0	

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Todd																		
Bertha	363	2.5	6	51	0	0	0	0	124	0	0	0	0	188	0	0	0	0
Browerville	255	1.0	1	56	0	0	0	0	143	0	0	0	0	56	0	0	0	0
Burtrum	43	0.5	2	8	0	0	0	0	31	0	0	0	0	4	0	0	0	0
Clarissa	500	2.2	3	80	0	0	0	0	246	7	0	0	0	174	0	0	0	0
Eagle Bend	338	1.4	1	124	0	0	0	0	148	0	0	0	0	66	0	0	0	0
Grey Eagle	177	1.8	11	41	0	0	0	0	74	0	0	0	0	63	0	0	0	0
Hewitt	36	0.3	1	0	0	0	0	0	21	0	0	0	0	16	0	0	0	0
Long Prairie	922	1.5	4	154	0	0	0	0	448	0	0	0	0	320	0	0	0	0
Todd	2634	1.5	2.3%	514	0	0	0	0	1235	7	0	0	0	887	0	0	0	0
Traverse																		
Browns Valley	1330	5.4	4	320	6	0	0	0	405	34	0	0	0	605	160	0	0	0
Dumont	408	6.7	5	24	0	0	0	0	165	10	0	0	0	219	24	0	3	0
Tintah	1127	14.0	10	483	0	0	0	0	316	13	0	0	0	328	52	6	0	0
Wheaton	3487	7.9	4	451	9	0	0	0	1109	226	0	0	0	1927	489	0	9	0
Traverse	6352	7.7	4.5%	1278	15	0	0	0	1995	283	0	0	0	3079	725	6	12	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Wabasha																		
Elgin	122	0.7	1	6	0	0	0	0	6	0	0	0	0	111	0	0	0	0
Hammond	26	0.4	1	9	0	0	0	0	9	0	0	0	0	9	0	0	0	0
Kellogg	113	0.7	3	0	0	0	0	0	57	5	0	0	0	57	5	0	0	0
Lake City	2360	2.1	5	182	0	0	0	0	944	18	0	0	0	1234	18	0	0	0
Mazeppa	411	2.0	3	92	0	0	0	0	169	0	0	0	0	149	0	0	0	0
Millville	89	1.4	1	4	0	0	0	0	41	15	0	0	0	45	0	0	0	0
Plainview	660	1.2	5	87	0	0	0	0	184	10	0	0	0	388	19	0	0	0
Wabasha	1869	2.7	5	135	0	0	0	0	713	0	0	0	0	1021	0	0	0	0
Zumbro Falls	68	1.1	1	11	0	0	0	0	25	0	0	0	0	32	4	0	0	0
Wabasha	5718	1.8	3.9%	526	0	0	0	0	2148	48	0	0	0	3046	46	0	0	0
Wadena																		
Aldrich	145	2.7	2	116	0	0	0	0	19	0	0	0	0	11	0	0	0	0
Menahga	226	0.5	<1	127	0	0	0	0	85	0	0	0	0	14	0	0	0	0
Sebeka	375	1.0	<1	60	0	0	0	0	165	0	0	0	0	150	0	0	0	0
Staples	1500	2.2	10	704	0	0	0	0	535	0	0	0	0	261	0	0	0	0
Verndale	1407	7.4	10	938	0	0	0	0	216	0	0	0	0	254	0	0	0	0
Wadena	3361	3.0	10	1109	0	0	0	0	1421	0	0	0	0	832	0	0	35	0
Wadena	7014	2.5	5.4%	3054	0	0	0	0	2441	0	0	0	0	1522	0	0	35	0

Urban Ash Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Waseca																		
Janesville	1486	3.4	10	142	0	0	0	0	566	35	0	0	0	778	47	0	0	0
New Richland	843	2.4	5	226	0	0	0	0	113	0	0	0	0	503	13	0	0	0
Waldorf	143	1.6	10	0	0	0	0	0	46	0	0	0	0	97	0	0	0	0
Waseca	8566	6.5	35	535	0	0	0	0	3212	0	0	0	0	4819	0	0	0	0
Waseca	11038	5.0	19.2%	903	0	0	0	0	3937	35	0	0	0	6197	60	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Washington																		
Afton	24744	2.7	1	15917	0	0	0	0	6512	579	0	0	0	2315	289	0	0	0
Bayport	3452	4.5	5	425	0	0	0	0	1939	85	17	0	0	1088	68	0	0	0
Birchwood Village	727	3.3	3	177	0	0	0	0	248	18	0	0	0	302	53	0	0	0
Cottage Grove	43172	4.7	20	2540	272	0	0	0	21223	2358	0	0	0	19409	3174	0	0	0
Dellwood	4798	6.8	1	2963	0	0	0	0	1468	131	0	0	26	367	0	0	0	0
Forest Lake	78614	5.3	25	22986	0	0	0	0	34709	3218	0	0	0	20918	1149	0	0	0
Grant	37374	4.9	2	17249	230	115	0	0	14029	1035	230	115	0	6095	690	0	0	0
Hugo	20561	3.2	12	6077	405	0	0	0	11749	101	0	101	0	2735	0	0	0	0
Lake Elmo	33572	4.1	NR	17735	95	285	95	190	9104	0	95	95	0	6733	0	0	95	0
Lake Saint Croix	1122	3.2	5	338	0	0	0	0	374	27	0	0	0	411	18	0	0	0
Lakeland Shores	628	3.3	1	109	0	0	0	0	423	7	0	0	0	96	0	0	0	0
Landfall	265	5.9	6	17	0	0	0	0	107	4	0	0	0	141	2	0	0	0
Mahtomedi	3849	1.7	1	1427	0	0	0	0	1957	0	0	0	0	464	0	0	33	0
Marine on Saint	2114	5.1	5	861	25	0	13	0	861	13	0	51	13	392	13	0	0	0
Newport	3006	2.2	10	657	0	0	0	0	1061	51	0	0	0	1288	202	0	0	0
Oak Park Heights	12037	5.6	5	1516	237	0	0	0	4455	379	0	0	0	6066	379	0	0	0
Oakdale	26119	3.6	5	2029	0	0	0	0	13589	1500	0	0	0	10500	1147	0	0	0
Pine Springs	1037	3.5	2	628	0	10	0	10	314	0	10	0	0	95	19	0	0	0
Saint Marys Point	1508	6.1	3	719	30	0	0	0	631	10	0	0	0	158	10	0	0	0
Saint Paul Park	4814	3.4	15	806	0	0	0	0	1808	49	0	0	0	2199	391	0	0	0

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Stillwater	13769	2.8	3	2683	0	71	0	0	7626	636	0	0	0	3460	494	0	0	0
Willernie	189	2.2	3	75	0	0	0	0	75	10	0	0	0	39	0	0	3	0
Woodbury	50745	3.7	NR	3794	0	0	95	0	31490	3035	0	0	0	15461	569	0	0	0
Washington	368216	4.0	3.8%	101728	1294	481	203	200	165752	1324	352	362	39	100732	8667	0	131	0
Watsonwan																		
Butterfield	871	3.5	8	106	0	0	0	0	220	9	9	0	0	545	79	0	0	9
Darfur	271	3.3	10	31	0	0	0	0	71	0	0	0	0	169	0	0	0	0
La Salle	42	1.2	5	2	0	0	0	0	22	0	0	0	0	18	0	0	0	0
Lewisville	373	4.0	10	27	0	0	0	0	126	0	0	0	0	220	4	0	0	4
Madelia	2329	3.8	13	266	0	0	0	0	620	13	0	0	0	1443	76	0	0	0
Odin	247	3.8	8	49	0	0	0	0	82	0	0	0	0	115	3	0	0	0
Ormsby	433	4.8	8	11	0	0	0	0	123	0	0	0	0	300	0	0	0	0
Saint James	3675	3.8	20	278	0	0	0	0	1560	31	0	0	0	1838	15	0	0	0
Watsonwan	8241	3.8	13.1%	770	0	0	0	0	2824	53	9	0	0	4648	177	0	0	13

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Wilkin																			
Breckenridge	5073	7.7	10	1031	0	0	0	0	2021	28	0	0	0	2021	28	0	0	0	
Campbell	1134	7.6	10	125	6	0	0	0	418	12	0	0	0	591	66	0	0	0	
Doran	252	5.6	8	93	0	0	0	0	93	8	0	0	0	65	3	0	0	0	
Foxhome	915	6.3	10	420	0	0	0	0	274	12	0	0	0	220	12	0	0	0	
Kent	228	4.4	8	19	0	0	0	0	107	0	0	0	0	102	0	0	0	0	
Nashua	454	6.8	10	211	0	0	0	0	135	5	0	0	0	108	28	0	5	0	
Rothsay	683	3.7	4	101	0	0	0	0	323	6	0	0	0	259	6	0	0	0	
Tenney	100	6.5	20	18	0	0	0	0	42	8	0	1	0	40	7	0	0	0	
Wolverton	317	7.0	5	69	0	0	0	0	153	0	0	0	2	95	0	0	0	0	
Wilkin	9156	6.7	8.7%	2087	6	0	0	0	3566	79	0	1	2	3501	150	0	5	0	

Urban Ash Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Winona																			
Altura	68	0.6	6	0	0	0	0	0	13	0	0	0	0	55	0	0	0	0	
Dakota	202	1.8	3	0	0	0	0	0	40	0	0	0	0	162	0	0	0	0	
Elba	35	0.4	1	14	0	0	0	0	11	0	0	0	0	11	0	0	0	0	
Goodview	1728	2.0	6	69	0	0	0	0	864	0	0	0	0	795	0	0	0	0	
Lewiston	559	2.0	5	24	0	0	0	0	81	0	0	0	0	453	0	0	0	0	
Minnesota City	297	1.8	1	122	0	0	0	0	122	0	0	0	0	52	0	0	0	0	
Rollingstone	445	2.3	4	36	0	0	0	0	172	0	0	0	0	237	0	0	0	0	
Saint Charles	1763	1.8	4	264	0	0	0	0	683	0	0	0	0	815	0	0	0	0	
Stockton	359	1.3	3	10	0	0	0	0	236	0	0	0	0	113	0	0	0	0	
Utica	135	1.6	6	4	0	0	0	0	114	0	0	0	0	18	0	0	0	0	
Winona	21313	2.9	5	1324	0	0	0	0	7943	0	0	0	0	12046	132	0	0	0	
Winona	26904	2.6	4.7%	1867	0	0	0	0	10279	0	0	0	0	14757	132	0	0	0	

Urban Ash Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Wright																		
Albertville	2316	1.5	5	1412	85	0	0	28	395	0	0	0	0	508	0	0	0	0
Annandale	1508	2.1	10	320	19	0	0	0	509	0	0	0	0	679	0	0	0	0
Buffalo	7381	2.6	15	3032	44	0	0	0	2416	0	0	0	88	1933	44	0	0	0
Clearwater	602	2.1	15	276	0	0	0	0	234	0	0	0	0	92	0	0	0	0
Cokato	1905	3.7	15	201	0	0	0	0	859	67	0	0	0	845	0	0	0	0
Delano	1909	1.9	8	194	0	0	0	0	969	0	0	0	0	747	0	0	0	0
Hanover	7486	4.4	7	3553	127	0	0	42	3214	169	85	42	0	719	85	0	0	0
Howard Lake	1406	3.3	15	558	0	0	0	0	525	45	0	0	0	324	0	0	0	0
Monticello	7651	2.5	10	2534	0	96	0	0	4208	0	0	0	0	909	0	0	0	0
Montrose	1331	3.5	10	249	0	0	0	0	746	0	0	0	0	336	0	0	0	0
Otsego	11747	1.7	1	4786	0	0	0	0	4351	0	0	0	0	2610	0	0	0	0
Rockford	2619	3.3	10	419	17	35	0	0	1275	70	52	35	17	925	0	17	17	0
Saint Michael	10857	2.9	10	6148	872	0	0	0	3183	0	0	0	174	1526	44	0	0	0
South Haven	229	3.0	5	105	0	0	0	0	81	0	0	0	0	43	0	0	0	0
Waverly	781	2.4	15	391	0	0	0	0	284	19	0	0	0	107	6	0	0	25
Wright	59728	2.4	3.6%	24178	1164	131	0	70	23249	370	137	77	279	12303	179	17	17	25

Urban Ash Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Yellow Medicine																		
Canby	4653	9.3	40	298	0	0	0	0	1703	224	0	0	0	2651	117	0	0	0
Clarkfield	1452	4.9	12	138	0	0	0	0	712	22	0	0	7	603	7	0	0	0
Echo	544	4.6	10	24	0	0	5	0	222	0	0	0	0	298	14	0	0	0
Granite Falls	5389	5.1	4	1102	0	0	0	0	2229	122	0	24	0	2058	49	0	0	0
Hanley Falls	814	7.3	10	66	0	0	0	0	422	0	0	0	0	326	15	0	0	0
Hazel Run	153	2.8	8	7	0	0	0	0	91	5	0	0	0	54	5	0	0	0
Porter	697	5.3	15	70	0	0	0	0	362	4	0	0	0	266	9	0	0	0
Saint Leo	188	3.8	10	29	0	0	0	0	74	0	0	0	0	85	3	0	0	0
Wood Lake	703	5.7	10	54	0	0	0	0	312	15	0	0	0	337	5	0	0	0
Yellow Medicine	14593	6.0	7.8%	1788	0	0	5	0	6127	392	0	24	7	6678	224	0	0	0

Statewide Urban Ash Populations, by Size Class

	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
	Population	Trees	Estimated	Die					Die					Die				
	Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
MINNESOTA	2968513	3.2	6.39%	655958	6153	3390	600	824	1125961	35246	4092	2631	2181	1186589	42849	2683	1885	613

Urban Elm Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Aitkin																		
Aitkin	497	1.0	1	263	0	0	0	0	185	10	0	0	0	49	0	0	0	0
McGrath	351	3.8	10	262	0	0	0	4	76	0	0	0	0	13	0	0	0	0
McGregor	109	0.4	1	86	0	0	0	0	23	0	0	0	0	0	0	0	0	0
Palisade	45	0.4	1	20	0	0	0	0	20	0	0	0	0	5	0	0	0	0
Tamarack	42	0.5	1	31	0	0	0	0	7	0	0	0	0	3	0	0	0	0
Aitkin	1044	0.9	1.4%	662	0	0	0	4	311	10	0	0	0	70	0	0	0	0

**Elm as estimated percentage of all urban trees, in this and following tables*

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Anoka																		
Andover	10113	0.7	4	2889	0	0	0	0	4575	0	0	0	0	2649	0	0	0	0
Anoka	5312	1.9	18	2449	0	0	0	0	747	0	0	0	0	2117	0	42	42	0
Bethel	380	1.0	6	144	0	0	0	0	118	0	0	0	0	118	0	0	0	13
Blaine	9136	0.7	4	3618	0	0	0	0	2442	0	0	0	0	3076	0	0	0	0
Centerville	413	0.6	3	213	0	0	0	0	120	0	0	0	0	80	0	0	0	0
Circle Pines	2048	2.7	2	512	0	0	0	0	352	0	0	0	0	1184	0	0	0	0
Columbia Heights	1179	0.6	1	367	0	0	0	0	79	0	0	0	0	734	0	0	0	0
Coon Rapids	39417	3.4	6	15472	0	0	0	0	14956	0	0	0	0	8989	74	74	147	0
East Bethel	17649	1.2	4.9	7916	0	0	0	0	6359	130	0	0	0	3374	0	0	130	0
Fridley	1024	0.2	<1	102	0	0	0	0	154	0	0	0	0	768	0	0	0	0
Ham Lake	6388	0.5	1	4133	0	94	0	0	1503	0	0	0	0	751	0	0	0	0
Hilltop	140	4.1	10	76	0	0	0	0	38	0	0	0	8	27	0	0	0	4
Lexington	3081	7.0	6	1050	0	0	0	0	779	0	51	0	0	1253	17	0	0	17
Lino Lakes	15068	2.1	NR	6665	0	0	0	0	5989	0	0	0	0	2415	0	0	0	0
Oak Grove	9588	0.9	3	5922	0	0	0	0	1974	0	0	0	0	1692	0	0	0	141
Ramsey	27636	2.5	40	13736	0	0	0	0	9870	0	82	0	0	4030	0	0	82	82
Saint Francis	3327	0.3	NR	1198	0	0	0	0	1730	0	0	0	0	399	0	0	0	0
Spring Lake Park	877	0.8	1	54	0	0	0	0	270	0	0	0	0	553	0	0	0	0
Anoka	152776	1.3	4.4%	66516	0	94	0	0	52055	130	133	0	8	34209	91	116	401	257

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Becker																		
Audubon	143	0.7	1	0	0	0	0	0	53	0	0	0	0	91	0	0	0	0
Callaway	89	1.0	5	27	0	0	0	0	50	0	0	0	0	12	0	0	0	0
Detroit Lakes	20303	2.7	5	4280	0	0	0	0	2195	0	0	0	0	13828	219	0	0	0
Frazee	501	1.3	2	123	0	0	0	0	102	0	0	0	0	276	0	0	0	0
Lake Park	308	1.2	2	119	0	0	0	0	139	0	0	0	0	50	0	0	0	0
Becker	21344	2.5	4.6%	4549	0	0	0	0	2539	0	0	0	0	14257	219	0	0	0
Beltrami																		
Bemidji	12568	3.6	15	61	0	0	0	0	6467	122	0	0	0	6040	122	0	0	0
Blackduck	133	0.3	<1	19	0	0	0	0	57	0	0	0	0	57	0	0	0	0
Kelliher	121	0.4	<1	33	0	0	0	0	66	0	0	0	0	22	0	0	0	0
Solway	281	2.9	10	232	0	0	0	0	49	0	0	0	0	0	0	0	0	0
Wilton	137	0.6	1	71	0	0	0	0	12	0	0	0	0	53	6	0	0	0
Beltrami	13240	2.9	10.5%	416	0	0	0	0	6651	122	0	0	0	6172	128	0	0	0

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Benton																			
Foley	78	0.1	1	0	0	0	0	0	13	0	0	0	0	65	0	0	0	0	
Gilman	5	0.0	1	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	
Rice	2902	6.0	30	1155	0	0	0	0	760	0	0	0	0	988	0	0	0	0	
Ronneby	52	1.9	30	10	0	0	0	0	17	0	0	0	0	24	0	0	0	0	
Sauk Rapids	1890	0.8	1	867	0	0	0	0	589	0	0	0	0	434	0	0	0	0	
Benton	4927	1.4	2.4%	2032	0	0	0	0	1379	0	0	0	0	1516	0	0	0	0	
Big Stone																			
Barry	27	0.8	1	16	0	0	0	0	5	0	0	0	0	7	0	0	0	0	
Beardsley	398	2.7	1	34	0	0	0	0	199	28	0	11	0	165	34	6	0	0	
Clinton	190	1.1	1	34	0	0	0	0	22	6	0	0	6	134	17	6	22	6	
Correll	124	2.0	2	54	0	0	0	0	50	0	0	0	0	19	0	0	0	4	
Graceville	78	0.3	>1	17	0	0	0	0	35	0	0	0	0	26	0	0	0	0	
Johnson	38	0.7	>1	6	0	0	0	0	22	3	0	0	0	10	0	0	3	0	
Odessa	579	4.7	5	354	0	0	0	0	180	0	0	0	0	45	0	0	0	0	
Ortonville	6377	4.7	3	3365	0	0	0	0	2435	32	0	32	32	577	96	0	32	0	
Big Stone	7811	3.5	2.6%	3880	0	0	0	0	2948	69	0	43	38	983	147	12	57	10e	

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Blue Earth																			
Amboy	44	0.3	3	0	0	0	0	0	6	0	0	0	0	39	0	0	0	0	
Eagle Lake	12	0.0	.01	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	
Good Thunder	177	1.1	6	78	0	0	0	5	88	0	0	0	0	10	0	0	0	0	
Lake Crystal	157	0.2	3	0	0	0	0	0	79	0	0	0	0	79	0	0	0	13	
Madison Lake	504	1.9	2	189	0	0	0	0	252	0	0	0	45	63	0	0	0	18	
Mankato	20054	2.0	20	7327	0	0	0	231	7327	540	0	0	771	5399	309	0	77	77	
Mapleton	126	0.2	1	13	0	0	0	0	76	0	0	0	0	38	0	0	0	0	
Pemberton	20	0.3	.5	0	0	0	0	0	16	0	0	0	0	4	0	0	0	4	
Saint Clair	53	0.2	1	0	0	0	0	0	35	0	0	0	0	18	0	0	0	0	
Skyline	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Vernon Center	131	1.0	5	51	0	0	0	0	51	0	0	0	4	29	0	0	0	0	
Blue Earth	21278	1.7	7.6%	7658	0	0	0	236	7930	540	0	0	820	5691	309	0	77	112	

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Brown																			
Cobden	24	0.3	1	9	0	0	0	0	3	0	0	0	0	12	0	0	0	0	
Comfrey	6	0.0	.01	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	
Evan	2	0.0	.01	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	
Hanska	14	0.1	1	3	0	0	0	0	7	0	0	0	0	3	0	0	0	0	
New Ulm	2609	0.8	10	1074	0	0	0	0	614	0	0	0	0	921	51	0	0	0	
Sleepy Eye	2101	2.7	10	1450	0	0	0	0	335	0	0	0	0	316	0	19	0	37	
Springfield	197	0.3	1	0	0	0	0	0	82	16	0	0	0	115	0	0	33	0	
Brown	4953	1.0	3.3%	2536	0	0	0	0	1047	16	0	0	0	1369	51	19	33	37	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Carlton																		
Barnum	354	1.1	1	255	0	0	0	0	85	0	0	0	0	14	0	0	0	0
Carlton	538	1.4	2	387	0	0	0	0	138	0	0	0	0	14	0	0	0	0
Cloquet	1761	0.3	1	1022	0	0	0	0	511	0	0	0	0	227	0	0	0	0
Cromwell	710	1.8	2	313	0	0	0	0	292	0	0	0	0	104	0	0	0	0
Kettle River	52	0.6	1	44	0	0	0	0	4	0	0	0	0	4	0	0	0	0
Moose Lake	987	1.4	1	587	0	0	0	0	160	0	0	0	0	240	0	0	0	0
Scanlon	44	0.1	<1	18	0	0	0	0	0	0	0	0	0	27	0	0	0	0
Wrenshall	104	0.5	<1	74	0	0	0	0	30	0	0	0	0	0	0	0	0	0
Wright	250	1.4	5	160	0	0	0	0	50	0	0	0	0	40	0	0	0	0
Carlton	4800	0.6	1.2%	2860	0	0	0	0	1270	0	0	0	0	670	0	0	0	0

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Carver																		
Carver	703	0.8	5	165	0	0	0	0	248	0	0	0	124	289	21	0	0	41
Chanhassen	8335	1.1	10	2899	0	0	0	362	3866	0	0	483	362	1570	0	0	0	0
Chaska	2147	0.5	2	143	0	0	0	0	286	0	0	0	215	1718	72	0	143	0
Cologne	19	0.1	.01	9	0	0	0	0	9	0	9	0	0	0	0	0	0	0
Hamburg	10	0.1	.5	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0
Mayer	46	0.2	.5	12	0	0	0	0	12	0	0	0	0	23	0	0	0	0
New Germany	64	0.6	.5	0	0	0	0	0	58	0	0	6	47	6	0	0	0	0
Norwood Young	249	0.3	1	83	0	0	0	0	42	0	0	0	0	125	21	0	21	0
Victoria	465	0.3	1	26	0	0	0	0	336	0	0	0	0	103	0	0	0	0
Waconia	1775	0.9	2	1437	0	0	0	0	169	0	0	0	0	169	0	0	0	0
Watertown	477	0.4	1	100	0	0	0	0	151	0	0	0	25	226	0	0	0	0
Carver	14290	0.7	2.3%	4874	0	0	0	362	5177	0	9	489	773	4239	114	0	164	41

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Cass																			
Backus	26	0.1	<1	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	
Bena	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Boy River	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cass Lake	339	0.9	5	160	0	0	0	6	122	0	0	0	0	58	32	0	0	0	
Chickamaw Beach	50	0.3	<1	44	0	0	0	0	6	0	0	0	0	0	0	0	0	0	
East Gull Lake	785	0.4	<1	607	0	0	0	0	107	0	0	0	0	71	0	0	0	0	
Federal Dam	396	2.0	<10	377	0	0	0	0	6	0	0	0	0	13	0	0	0	0	
Hackensack	234	0.8	1	67	0	0	0	0	122	0	0	0	0	44	0	0	0	0	
Lake Shore	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Longville	212	0.9	<1	94	0	0	0	0	106	0	0	0	0	12	0	0	0	0	
Remer	136	0.5	1	73	0	0	0	0	9	0	0	0	0	55	0	0	0	0	
Walker	2048	3.8	6	1430	0	0	0	0	522	0	0	0	0	97	0	0	0	0	
Cass	4226	0.6	2.2%	2852	0	0	0	6	1000	0	0	0	0	376	32	0	0	0	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Chippewa																		
Clara City	159	0.4	1	37	0	0	0	0	28	0	0	0	0	94	0	0	0	0
Maynard	38	0.2	1	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0
Milan	137	1.1	2	93	0	0	0	0	5	0	0	0	5	39	0	0	0	0
Montevideo	5078	3.2	3	2017	0	0	0	0	1229	0	0	0	0	1832	46	0	0	0
Watson	54	0.7	1	4	0	0	0	0	0	0	0	0	0	50	8	0	4	8
Chippewa	5466	2.3	2.7%	2151	0	0	0	0	1262	0	0	0	5	2053	54	0	4	8
Chisago																		
Center City	579	2.8	3	336	0	0	0	0	215	0	0	0	29	29	0	0	0	0
Chisago City	1240	1.4	2	564	0	0	0	85	479	28	0	28	0	197	0	0	0	0
Harris	4078	2.8	10	1559	0	0	0	30	2069	0	0	0	330	450	60	0	0	60
Lindstrom	626	0.7	2	129	0	0	0	0	479	0	0	0	55	18	0	0	0	18
North Branch	6396	0.9	5	1827	0	0	0	83	3489	0	0	166	498	1080	0	0	0	0
Rush City	235	0.4	1	162	0	0	0	0	44	0	0	0	0	29	0	0	0	15
Shafer	281	1.9	3	182	0	0	0	21	62	0	0	0	42	36	0	0	21	10
Stacy	786	2.6	8	566	0	0	0	0	139	0	0	0	0	81	0	0	0	0
Taylor Falls	2155	4.7	10	1096	0	0	0	62	922	0	0	12	50	137	0	0	0	0
Wyoming	618	0.6	4	132	0	0	0	0	309	0	0	0	0	177	0	0	0	0
Chisago	16994	1.3	4.7%	6553	0	0	0	281	8207	28	0	206	100	2234	60	0	21	103

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Clay																		
Barnesville	492	0.8	1	209	15	0	0	0	15	0	0	0	0	268	0	0	0	0
Comstock	15	0.3	1	9	0	0	0	0	3	0	0	0	0	3	0	0	0	0
Dilworth	705	1.1	2	37	0	0	0	0	223	12	12	0	0	445	0	0	0	12
Felton	151	1.5	1	93	0	0	0	0	35	0	0	0	0	22	0	0	0	0
Georgetown	173	2.1	3	108	0	0	0	0	37	0	0	0	0	28	0	0	0	0
Glyndon	172	0.4	1	22	0	0	0	0	54	0	0	11	0	97	0	0	0	0
Hawley	704	1.4	1	204	0	0	0	0	148	0	0	0	0	352	23	0	0	0
Hitterdal	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moorhead	32778	5.2	7	2850	0	0	0	0	2467	55	0	55	0	27461	932	164	384	0
Sabin	263	2.1	2	19	0	0	0	6	231	0	45	0	6	13	0	0	6	0
Ulen	33	0.2	1	7	0	0	0	0	13	0	0	0	7	13	0	0	0	0
Clay	35486	3.9	5.2%	3558	15	0	0	6	3226	67	57	66	13	28702	955	164	390	12
Clearwater																		
Bagley	205	0.5	1	84	0	0	0	0	84	0	0	0	0	36	0	0	0	0
Clearbrook	102	0.5	<1	81	0	0	0	0	20	0	0	0	0	0	0	0	0	0
Gonvick	392	1.7	7	123	0	0	0	0	247	0	0	0	0	22	0	0	0	0
Shevlin	73	0.6	1	62	0	0	0	0	11	0	0	0	0	0	0	0	0	0
Clearwater	772	0.8	1.5%	350	0	0	0	0	362	0	0	0	0	58	0	0	0	0

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Cook																			
Grand Marais	199	0.3	<1	0	0	0	0	0	46	0	0	0	0	153	0	0	15	0	
Cook	199	0.3	1.0%	0	0	0	0	0	46	0	0	0	0	153	0	0	15	0	
Cottonwood																			
Bingham Lake	27	0.2	.5	5	0	0	0	0	16	0	0	5	5	5	0	0	0	5	
Jeffers	17	0.1	0.5	0	0	0	0	0	8	0	0	0	0	8	0	0	0	8	
Mountain Lake	80	0.1	.5	27	0	0	0	0	40	0	13	0	0	13	0	0	0	0	
Storden	18	0.2	3	4	0	0	0	0	4	0	0	0	0	11	0	0	0	0	
Westbrook	44	0.2	2	0	0	0	0	0	0	0	0	0	0	44	0	0	22	7	
Windom	814	0.6	10	87	0	0	0	0	262	0	0	87	0	465	0	29	0	0	
Cottonwood	1000	0.4	2.8%	123	0	0	0	0	330	0	13	92	5	546	0	29	22	20	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Crow Wing																		
Baxter	848	0.2	<1	424	0	0	0	0	242	0	0	0	0	182	0	0	0	0
Brainerd	3895	1.2	5	1182	0	0	0	0	481	0	0	0	0	2232	131	0	44	0
Breezy Point	241	0.0	>1	181	0	0	0	0	0	0	0	0	0	60	0	0	0	0
Crosby	571	0.9	1	330	0	0	0	0	180	0	0	0	0	60	0	0	0	0
Crosslake	666	0.2	>1	571	0	0	0	0	0	0	0	0	0	95	0	0	0	0
Cuyuna	290	1.4	1	230	0	0	0	0	54	6	0	0	0	6	0	0	0	0
Deerwood	273	0.8	1	104	0	0	0	0	143	0	0	0	0	26	0	0	0	0
Emily	1442	0.8	NR	1030	0	0	0	0	165	0	0	0	0	247	0	0	0	0
Fort Ripley	91	1.6	50	47	0	0	0	0	32	0	0	0	0	12	0	0	0	0
Garrison	202	0.7	2	175	0	0	0	0	7	0	0	0	0	20	0	0	0	0
Ironton	117	0.8	1	94	0	0	0	0	14	5	0	0	0	9	5	0	0	0
Jenkins	539	1.3	<1	509	0	0	0	0	29	0	0	0	0	0	0	0	0	0
Nisswa	3957	1.9	<1	3084	0	0	0	0	600	0	0	0	0	273	0	0	0	0
Pequot Lakes	608	0.6	<1	442	0	0	0	0	111	0	0	0	0	55	0	0	0	0
Riverton	114	1.5	4	44	0	0	0	0	58	0	0	0	0	12	0	0	0	0
Trommald	200	1.4	3	146	0	0	0	0	43	4	0	0	0	11	0	0	0	0
Crow Wing	14054	0.6	1.3%	8593	0	0	0	0	2159	15	0	0	0	3300	136	0	44	0

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Dakota																		
Apple Valley	6014	0.5	1	2864	0	0	0	0	2291	0	0	0	0	859	0	0	0	0
Burnsville	20987	1.7	3	13716	0	0	0	0	3823	0	0	75	75	3448	150	0	225	75
Coates	5506	40.0	50	2914	0	0	0	92	1881	0	0	0	23	711	0	0	0	0
Eagan	7973	0.4	2	2339	0	0	0	0	3402	0	0	0	0	2232	0	0	0	0
Farmington	970	0.3	1	283	0	0	0	0	40	40	0	0	0	647	0	0	40	121
Hampton	234	1.4	1	188	0	0	0	8	38	0	0	0	15	8	0	0	0	0
Hastings	5428	1.4	5	2412	0	0	0	0	932	0	0	0	219	2083	0	0	0	0
Inver Grove Heights	16849	1.2	5	9151	0	0	0	581	4648	0	0	0	581	3050	0	0	145	0
Lakeville	7531	0.5	3	2248	0	0	0	0	4159	0	0	0	0	1124	0	0	0	112
Mendota	1842	17.8	60	960	0	0	0	26	680	0	4	9	34	202	9	0	4	0
Mendota Heights	4524	1.0	2	1590	0	0	0	0	2323	0	0	0	183	611	0	0	0	0
New Trier	11	0.3	.5	6	0	0	0	0	0	0	0	0	0	6	0	0	0	0
Randolph	189	1.3	5	9	0	0	0	0	103	0	0	0	0	77	9	0	0	9
Rosemount	5297	0.5	2	2230	0	0	0	0	2370	0	0	0	0	697	0	0	0	0
South Saint Paul	2983	0.8	2	1820	0	0	0	0	657	0	0	0	0	506	0	0	0	0
Sunfish Lake	2793	3.0	10	1662	66	0	33	0	798	0	0	66	0	332	0	0	100	0
Vermillion	71	0.5	1	0	0	0	0	0	5	0	0	0	0	66	5	0	0	0
Dakota	89202	0.9	2.8%	44392	66	0	33	707	28150	40	4	150	113	16659	173	0	514	317

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Dodge																			
Claremont	31	0.1	0.01	8	0	0	0	0	15	0	0	0	15	8	0	0	0	8	
Dodge Center	102	0.2	.5	9	0	0	0	0	65	0	0	37	28	28	0	0	0	19	
Hayfield	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kasson	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mantorville	563	1.1	2	174	0	0	0	54	362	0	0	27	54	27	0	0	0	0	
West Concord	37	0.1	1	0	0	0	0	0	18	0	0	0	0	18	0	0	0	0	
Dodge	733	0.3	0.2%	191	0	0	0	54	460	0	0	64	97	81	0	0	0	27	

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Douglas																			
Alexandria	3178	1.3	15	0	0	0	0	0	654	0	93	31	0	2524	0	125	0	0	
Brandon	145	0.9	1	57	0	0	0	0	38	13	0	0	0	51	6	0	0	0	
Carlos	91	0.6	1	6	0	0	0	0	11	6	0	0	0	74	0	0	0	0	
Evansville	88	0.4	2	0	0	0	0	0	51	7	0	0	0	37	0	0	0	0	
Forada	330	1.9	10	148	0	0	0	0	121	0	0	0	13	61	0	0	0	0	
Garfield	72	0.5	1	30	0	0	0	0	25	0	0	0	8	17	0	0	0	4	
Kensington	54	0.7	2	18	0	0	0	0	11	0	0	0	0	25	0	0	0	0	
Miltona	301	1.8	3	79	0	0	0	0	176	5	0	0	0	46	0	0	0	0	
Nelson	63	0.6	10	0	0	0	0	0	33	8	0	0	0	29	0	0	0	0	
Osakis	560	1.0	4	117	13	0	0	0	156	0	0	0	0	287	13	0	0	0	
Douglas	4882	1.2	5.6%	455	13	0	0	0	1276	39	93	31	21	3151	19	125	0	4	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Faribault																		
Blue Earth	129	0.1	1	0	0	0	0	0	0	0	0	0	0	129	0	0	0	0
Bricelyn	9	0.1	.5	9	0	0	0	5	0	0	0	0	0	0	0	0	0	0
Delavan	39	0.4	.5	4	0	0	0	0	19	0	0	0	0	16	4	0	0	4
Easton	72	0.5	.5	38	0	0	0	0	19	0	0	0	0	14	0	0	0	5
Elmore	273	1.1	2	124	0	0	0	0	116	0	0	0	50	33	0	0	0	8
Frost	22	0.2	1	0	0	0	0	0	9	0	0	0	0	13	0	0	0	4
Kiester	41	0.3	2	6	0	0	0	0	6	0	0	0	0	29	6	0	0	0
Minnesota Lake	42	0.2	1	8	0	0	0	0	8	0	0	0	0	25	0	0	0	0
Walters	22	0.5	2	0	0	0	0	0	14	0	0	0	0	8	0	0	0	0
Wells	143	0.3	2	104	0	0	0	26	0	0	0	0	0	39	0	0	0	0
Winnebago	208	0.4	5	10	0	0	0	0	52	0	0	0	21	145	0	0	0	10
Faribault	1000	0.3	1.4%	303	0	0	0	31	243	0	0	0	71	451	10	0	0	31

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Fillmore																			
Canton	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chatfield	685	1.2	1	342	0	0	0	0	321	0	0	0	0	21	0	0	0	0	
Fountain	13	0.1	1	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	
Harmony	42	0.1	1	25	0	0	0	0	17	0	0	0	0	0	0	0	0	0	
Lanesboro	30	0.1	NR	0	0	0	0	0	7	0	0	0	0	22	0	0	0	0	
Mabel	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ostrander	31	0.4	1	10	0	0	0	0	7	0	0	0	0	14	0	0	0	0	
Peterson	3	0.0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	
Preston	290	0.7	1	207	0	0	0	0	41	0	0	0	0	41	0	0	0	0	
Rushford	206	0.6	1	124	0	0	0	0	72	0	0	0	0	10	0	0	0	0	
Rushford Village	3781	5.9	3	2750	0	0	0	0	881	0	0	0	21	150	0	0	0	0	
Spring Valley	178	0.2	1	107	0	0	0	0	53	0	0	0	0	18	0	0	0	0	
Whalan	140	2.3	2	74	0	0	0	0	37	0	0	0	0	29	0	0	0	0	
Wykoff	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fillmore	5399	1.3	1.9%	3639	0	0	0	0	1436	0	0	0	21	321	0	0	0	0e	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Freeborn																		
Albert Lea	2560	0.7	2	1080	0	0	0	0	680	0	0	0	0	800	0	0	0	0
Alden	45	0.3	1	6	0	0	0	0	19	0	0	0	6	19	0	0	0	0
Clarks Grove	7	0.0	.01	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0
Conger	55	1.3	2	4	0	0	0	0	32	0	0	0	0	20	0	0	0	0
Emmons	75	0.6	1	17	0	0	0	0	46	0	0	0	6	12	0	0	0	0
Freeborn	73	0.8	1	15	0	0	0	0	38	0	0	0	8	19	0	0	0	0
Geneva	10	0.1	.01	5	0	0	0	0	0	0	0	0	0	5	0	0	0	0
Glenville	660	3.1	15	155	7	0	0	0	364	0	0	0	27	141	0	0	0	7
Hartland	9	0.1	0.01	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0
Hayward	73	0.8	5	15	0	0	0	0	24	5	0	0	0	34	0	0	0	0
Hollandale	60	0.4	1	24	0	0	0	0	30	0	0	0	0	6	0	0	0	0
Manchester	13	0.4	3	0	0	0	0	0	0	0	0	0	0	13	0	0	0	2
Myrtle	7	0.2	.5	3	0	0	0	0	0	0	0	0	0	3	0	0	0	3
Twin Lakes	55	0.7	1	24	0	0	0	0	31	0	0	0	0	0	0	0	0	0
Freeborn	3702	0.7	0.9%	1352	7	0	0	0	1271	5	0	0	47	1076	0	0	0	12e

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Goodhue																			
Bellechester	32	0.5	1	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cannon Falls	1884	2.1	7	758	0	0	0	0	585	22	0	0	0	541	0	0	0	0	0
Dennison	10	0.2	1	3	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0
Goodhue	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenyon	111	0.3	1	22	0	0	0	0	67	0	0	0	0	22	0	0	0	0	0
Pine Island	528	0.8	1	193	0	0	0	0	246	0	0	0	0	88	0	0	0	0	0
Red Wing	6261	1.4	6	2916	0	0	0	0	2342	0	0	0	0	1004	0	0	0	0	0
Wanamingo	75	0.2	1	32	0	0	0	0	22	0	0	0	0	22	0	0	0	0	0
Zumbrota	45	0.1	1	30	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0
Goodhue	8946	1.2	4.2%	3986	0	0	0	0	3280	22	0	0	0	1680	0	0	0	0	0

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Grant																			
Ashby	147	1.0	1	79	0	0	0	0	16	0	0	0	0	52	10	0	5	0	
Barrett	235	0.9	3	173	0	0	0	0	0	0	0	0	0	62	0	0	0	0	
Elbow Lake	233	0.6	1	180	0	0	0	0	21	0	0	0	0	32	0	0	0	0	
Herman	95	0.4	1	0	0	0	0	0	15	0	0	0	0	81	7	0	0	0	
Hoffman	77	0.3	1	29	0	0	0	0	29	0	0	0	0	19	0	0	0	0	
Norcross	114	1.2	1	75	0	0	0	0	18	0	0	0	0	21	0	0	0	0	
Wendell	147	1.7	1	53	0	0	0	0	49	0	0	0	0	45	0	0	0	0	
Grant	1048	0.7	1.2%	589	0	0	0	0	148	0	0	0	0	312	17	0	5	0	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Hennepin																		
Brooklyn Center	5372	1.2	3	467	0	0	0	0	1869	117	0	0	0	3036	350	0	58	0
Champlin	14605	3.2	7	5757	0	0	0	182	6545	0	61	121	121	2303	242	0	121	0
Corcoran	27593	3.9	5	10082	425	637	531	2441	15070	1486	425	743	1274	2441	212	212	0	0
Crystal	4217	1.3	NR	2885	74	0	0	0	1036	0	0	0	0	296	0	0	0	0
Dayton	25232	6.8	15	17152	236	142	331	2126	7135	189	0	236	1087	945	378	0	0	0
Eden Prairie	48006	3.6	NR	17780	0	0	0	0	21870	0	0	0	711	8357	178	0	0	889
Greenfield	14642	3.9	3	5659	0	637	141	71	7498	212	71	71	283	1485	71	0	71	71
Hopkins	5403	2.1	5	632	0	0	0	0	853	0	0	0	0	3918	569	63	126	63
Loretto	296	1.8	2	79	0	0	0	0	188	7	7	0	0	29	0	0	0	0
Medicine Lake	282	2.5	1	118	0	0	0	0	108	0	0	0	0	56	5	0	0	0
New Hope	912	0.3	1	581	0	0	0	0	124	0	0	0	0	207	0	0	41	0
Richfield	12413	2.7	10	2958	0	0	0	0	1891	145	0	48	48	7564	776	48	145	194
Robbinsdale	2170	1.4	2	160	0	0	0	0	388	0	0	0	0	1622	91	0	0	0
Rogers	140	0.0	>1	0	0	0	0	0	70	0	0	0	0	70	0	0	0	0
Saint Anthonyh	118	0.1	1	20	0	0	0	0	20	20	0	0	0	79	0	0	0	0
Saint Louis Park	35285	5.9	5	10082	0	0	0	0	8795	536	0	0	0	16409	1287	107	215	0
Hennepin	196686	3.1	5.2%	74412	735	1416	1003	482	73460	2712	564	1219	352	48817	4159	430	777	121

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Houston																		
Brownsville	258	1.6	2	132	0	0	0	0	91	0	0	0	0	35	0	0	0	0
Caledonia	58	0.1	1	47	0	0	0	0	0	0	0	0	0	12	0	0	0	0
Eitzen	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hokah	60	0.5	1	46	0	0	0	0	14	0	0	0	0	0	0	0	0	0
Houston	42	0.2	1	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0
La Crescent	69	0.1	1	0	0	0	0	0	28	0	0	0	0	42	0	0	0	0
Spring Grove	8	0.0	1	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0
Houston	495	0.2	1.4%	225	0	0	0	0	133	0	0	0	0	139	0	0	0	0
Hubbard																		
Akeley	612	2.2	2	404	0	0	0	0	187	0	0	0	0	21	0	0	0	0
Laporte	28	0.4	<1	23	0	0	0	0	6	0	0	0	0	0	0	0	0	0
Nevis	134	0.6	<1	98	0	0	0	0	27	0	0	0	0	9	0	0	0	0
Park Rapids	1037	0.8	<1	566	0	0	0	0	377	0	0	0	0	94	0	0	0	0
Hubbard	1811	1.0	1.2%	1091	0	0	0	0	597	0	0	0	0	124	0	0	0	0

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Isanti																			
Braham	1075	3.2	12	986	0	0	0	52	59	0	0	0	22	30	0	0	0	0	
Cambridge	638	0.5	2	242	0	0	0	0	66	0	0	44	0	330	0	0	22	44	
Isanti	26	0.0	.01	0	0	0	0	0	13	0	0	0	0	13	0	0	0	0	
Isanti	1739	0.7	0.6%	1228	0	0	0	52	138	0	0	44	22	373	0	0	22	44	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Itasca																		
Bigfork	101	0.7	2	19	0	0	0	0	76	0	0	0	0	6	0	0	0	0
Calumet	36	0.3	1	12	0	0	0	0	24	0	0	0	0	0	0	0	0	0
Cohasset	1062	0.2	NR	708	0	0	0	0	236	0	0	0	0	118	0	0	0	0
Coleraine	202	0.8	1	132	0	0	0	0	39	0	0	0	0	31	0	0	0	0
Deer River	67	0.3	1	43	0	0	0	0	24	0	0	0	0	0	0	0	0	0
Grand Rapids	305	0.1	0	61	0	0	0	0	183	0	0	0	0	61	0	0	0	0
Keewatin	7	0.0	<1	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0
La Prairie	59	0.3	1	15	0	0	0	0	29	0	0	0	0	15	0	0	0	0
Marble	43	0.2	1	12	0	0	0	0	24	0	0	0	0	6	0	0	0	0
Nashwauk	85	0.4	1	56	0	0	0	0	14	0	0	0	0	14	0	0	0	0
Squaw Lake	169	1.5	6	111	0	0	0	0	58	0	0	0	0	0	0	0	0	0
Taconite	56	0.5	NR	34	0	0	0	0	22	6	0	0	0	0	0	0	0	0
Warba	27	0.4	<1	11	0	0	0	0	11	0	0	0	0	5	0	0	0	0
Zemple	16	0.4	1	12	0	0	0	0	4	0	0	0	0	0	0	0	0	0
Itasca	2235	0.2	1.3%	1226	0	0	0	0	744	6	0	0	0	263	0	0	0	0

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Jackson																			
Alpha	52	0.8	1	24	0	0	0	0	17	0	0	0	0	12	0	0	0	0	
Heron Lake	118	0.5	5	6	0	0	0	0	68	0	0	0	25	44	0	0	0	12	
Jackson	513	0.5	1	38	0	0	0	0	266	0	0	0	0	209	0	0	0	0	
Lakefield	256	0.5	5	94	0	0	0	40	94	0	0	0	54	67	0	0	0	0	
Okabena	58	0.7	8	21	0	0	0	0	21	0	0	0	0	17	0	0	0	0	
Wilder	414	4.3	30	340	0	0	0	30	63	0	0	0	12	12	0	0	0	0	
Jackson	1411	0.7	2.1%	523	0	0	0	70	529	0	0	0	91	361	0	0	0	12	
Kanabec																			
Grasston	41	0.7	2	17	0	7	0	3	17	0	7	0	0	7	0	0	0	0	
Mora	528	0.6	3	96	0	0	0	0	16	0	0	0	0	416	0	0	16	16	
Ogilvie	47	0.4	1	9	0	0	0	0	13	0	0	0	9	26	0	0	0	4	
Quamba	194	2.7	8	154	0	0	0	6	36	0	0	0	11	3	0	0	0	0	
Kanabec	810	0.8	3.0%	276	0	7	0	9	82	0	7	0	20	452	0	0	16	20	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Kandiyohi																		
Atwater	260	0.9	2	0	0	0	0	0	195	33	0	0	0	65	0	0	0	0
Blomkest	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kandiyohi	41	0.4	1	0	0	0	0	0	5	0	0	0	0	37	0	0	0	0
Lake Lillian	31	0.3	.5	0	0	0	0	0	18	0	0	0	13	13	0	0	0	0
New London	365	1.5	10	36	0	0	0	18	223	9	0	0	0	107	0	0	0	0
Pennock	19	0.1	.1	0	0	0	0	0	4	0	0	0	0	15	0	0	0	0
Prinsburg	11	0.1	.01	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0
Raymond	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spicer	285	0.9	2	21	0	0	0	0	106	0	0	0	0	158	11	0	0	0
Sunburg	46	1.2	5	5	0	0	0	0	23	0	0	0	0	18	0	0	0	0
Willmar	2225	0.7	10	103	0	0	0	0	155	0	0	0	0	1966	414	0	0	207
Kandiyohi	3283	0.7	1.7%	165	0	0	0	18	729	42	0	0	13	2390	425	0	0	207

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Kittson																		
Donaldson	22	0.7	1	9	0	0	0	0	11	0	0	0	0	2	0	0	0	0
Hallock	1273	3.5	2	19	0	0	0	0	569	0	0	0	0	685	0	0	0	0
Halma	86	1.1	2	16	0	0	0	0	44	0	0	0	0	26	0	0	0	0
Humboldt	101	2.2	2	2	0	0	0	0	69	0	0	0	0	30	0	0	0	0
Karlstad	176	0.7	1	56	0	0	0	0	46	0	0	0	0	74	9	0	0	0
Kennedy	192	1.6	1	38	0	0	0	0	74	0	0	0	0	80	0	0	0	0
Lake Bronson	106	0.9	1	51	0	0	0	0	30	0	0	8	0	25	0	0	4	0
Lancaster	128	0.6	1	20	0	0	0	0	59	0	0	0	0	49	0	0	0	0
Saint Vincent	173	1.6	1	93	0	0	0	0	40	0	0	0	0	40	0	0	0	0
Kittson	2257	1.7	1.5%	304	0	0	0	0	942	0	0	8	0	1011	9	0	4	0
Koochiching																		
Big Falls	168	0.8	.5	63	0	0	0	0	98	0	0	0	0	7	0	0	0	0
International Falls	397	0.3	.5	0	0	0	0	0	164	0	0	0	0	234	0	0	0	0
Littlefork	73	0.3	.5	0	0	0	0	0	73	0	0	0	0	0	0	0	0	0
Northome	37	0.3	2	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0
Ranier	111	1.4	1	4	0	0	0	0	107	9	0	0	0	0	0	0	0	0
Koochiching	786	0.4	0.6%	67	0	0	0	0	479	9	0	0	0	241	0	0	0	0

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")					
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Lac Qui Parle																			
Bellingham	332	3.5	20	111	0	0	0	0	90	0	0	0	16	131	0	0	0	0	
Boyd	377	4.3	1	237	0	0	0	0	90	4	0	0	4	49	4	0	4	0	
Dawson	443	1.0	2	100	0	0	0	0	133	0	0	22	0	210	0	11	11	11	
Louisburg	13	0.3	2	3	0	0	0	0	5	0	0	0	0	5	0	0	0	0	
Madison	173	0.4	5	0	0	0	0	0	43	0	0	0	0	129	0	0	22	0	
Marietta	712	5.6	20	270	0	0	0	0	303	4	0	0	0	139	4	0	0	8	
Nassau	70	1.0	25	34	0	0	0	0	20	0	0	0	6	17	3	0	0	0	
Lac Qui Parle	2120	1.6	3.1%	755	0	0	0	0	684	8	0	22	26	680	11	11	37	19	
Lake																			
Beaver Bay	0	0.0	NR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Silver Bay	228	0.4	<1	48	0	0	0	0	84	0	0	0	0	96	0	0	0	0	
Two Harbors	159	0.2	<1	102	0	0	0	0	45	0	0	0	0	11	0	0	0	0	
Lake	387	0.3	1.0%	150	0	0	0	0	129	0	0	0	0	107	0	0	0	0	
Lake of the Woods																			
Baudette	132	0.3	1	41	0	0	0	0	51	0	0	0	0	41	0	0	0	0	
Williams	56	0.5	1	3	0	0	0	0	28	6	0	0	0	25	0	0	0	0	
Lake of the Woods	188	0.3	1.0%	44	0	0	0	0	79	6	0	0	0	66	0	0	0	0	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Le Sueur																		
Cleveland	120	0.7	1	31	0	0	0	0	68	5	0	0	37	21	0	0	0	0
Elysian	487	2.1	5	216	0	0	0	0	200	0	0	0	64	72	0	0	0	0
Heidelberg	13	0.2	.5	9	0	0	0	0	0	0	0	0	0	4	0	0	0	0
Kasota	1914	9.2	NR	1284	0	0	0	0	520	6	0	0	61	110	0	0	0	18
Kilkenny	25	0.5	1	7	0	0	0	0	7	0	0	0	2	11	0	0	0	0
Le Center	76	0.2	1	0	0	0	0	0	65	0	0	0	0	11	0	0	0	0
Le Sueur	249	0.3	.5	15	0	0	0	0	58	0	0	0	0	175	0	0	0	0
Montgomery	313	0.7	3	152	0	0	0	0	91	0	0	0	0	71	0	0	0	0
Waterville	1351	2.4	5	450	0	0	0	0	808	0	0	0	0	93	0	0	0	0
Le Sueur	4548	1.5	2.2%	2164	0	0	0	0	1817	11	0	0	164	568	0	0	0	18
Lincoln																		
Arco	50	0.5	3	28	0	0	0	0	3	0	0	0	0	20	0	0	0	3
Hendricks	16	0.1	.5	5	0	0	0	0	0	0	0	0	0	10	0	0	0	0
Ivanhoe	393	2.4	8	0	0	0	0	0	54	0	0	0	0	340	6	6	6	0
Lake Benton	301	1.3	6	218	0	0	0	0	41	0	0	0	0	41	0	0	10	0
Tyler	105	0.3	3	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lincoln	865	0.8	4.7%	356	0	0	0	0	98	0	0	0	0	411	6	6	16	3

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Lyon																		
Balaton	158	0.7	2	55	0	0	0	18	85	0	0	0	37	18	0	0	6	6
Cottonwood	173	0.5	5	95	0	0	0	0	16	0	0	0	0	63	0	0	0	0
Florence	64	1.9	2	42	0	0	0	2	17	0	0	0	0	5	0	0	0	0
Garvin	45	0.6	1	24	0	0	0	0	6	0	0	0	0	15	0	0	0	0
Ghent	85	1.2	3	42	0	0	0	0	33	0	0	0	10	10	0	0	0	0
Lynd	325	3.2	3	133	0	0	0	9	147	0	0	0	0	46	0	0	0	0
Marshall	1059	0.5	5	232	0	0	0	0	165	0	0	0	0	662	0	0	0	0
Minneota	270	0.8	5	0	0	0	0	0	118	0	8	0	0	152	8	0	0	0
Russell	574	3.6	10	376	0	0	0	12	123	6	0	6	0	74	6	0	6	6
Taunton	59	0.8	1	26	0	0	0	0	10	0	0	0	0	23	0	0	0	0
Tracy	591	1.2	5	209	0	0	0	0	49	0	0	0	0	333	0	0	37	0
Lyon	3403	0.8	4.1%	1234	0	0	0	41	769	6	8	6	47	1401	14	0	49	12
Mahnomen																		
Bejou	21	0.4	1	14	0	0	0	0	7	0	0	0	0	0	0	0	0	0
Mahnomen	355	1.3	1	206	0	0	0	0	90	0	0	0	0	58	0	0	0	0
Waubun	183	1.3	1	118	0	0	11	11	43	5	0	5	0	21	0	0	11	0
Mahnomen	559	1.2	1.0%	338	0	0	11	11	140	5	0	5	0	79	0	0	11	0

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Marshall																			
Alvarado	58	0.6	1	16	0	0	0	0	23	0	0	0	0	19	0	0	0	0	
Argyle	236	0.8	1	63	0	0	0	0	31	0	0	0	0	142	8	0	0	0	
Grygla	54	0.6	1	4	0	0	0	0	18	0	0	0	0	33	0	0	0	0	
Holt	9	0.1	1	0	0	0	0	0	6	0	0	0	0	3	0	0	0	0	
Middle River	145	1.1	1	91	0	0	0	0	41	0	0	0	0	14	0	0	0	0	
Newfolden	64	0.5	1	12	0	0	0	0	40	0	0	0	0	12	0	0	0	0	
Oslo	210	1.7	1	101	0	0	0	0	53	0	0	0	0	57	0	0	0	0	
Stephen	395	1.7	1	125	0	0	0	0	119	0	0	0	0	151	0	0	0	0	
Strandquist	35	0.7	1	6	0	0	0	0	23	2	0	0	0	6	0	0	0	0	
Viking	51	0.7	1	29	0	0	0	0	7	0	0	0	0	15	0	0	0	0	
Warren	672	1.5	1	114	0	0	0	0	76	0	0	0	0	483	0	9	0	19	
Marshall	1929	1.1	1.0%	561	0	0	0	0	437	2	0	0	0	935	8	9	0	19	

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Martin																			
Ceylon	113	0.6	5	5	0	0	0	0	54	16	0	0	0	54	16	0	0	0	
Dunnell	63	0.8	3	13	0	0	0	0	31	4	0	0	0	18	0	0	0	0	
Fairmont	541	0.2	3	150	0	0	0	0	150	0	0	0	0	241	0	0	0	0	
Granada	101	0.9	5	4	0	0	0	0	42	0	0	0	0	54	0	0	0	0	
Northrop	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sherburn	179	0.6	5	51	0	0	0	0	77	0	0	0	51	51	17	0	0	0	
Trimont	78	0.4	5	6	0	0	0	0	36	0	0	0	18	36	0	0	0	0	
Truman	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Welcome	52	0.2	.5	7	0	0	0	0	29	7	0	0	0	15	0	0	0	0	
Martin	1127	0.3	2.8%	236	0	0	0	0	419	27	0	0	69	469	33	0	0	0	

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
McLeod																			
Biscay	50	1.7	.5	19	0	0	0	0	7	0	0	0	0	24	0	0	0	0	
Brownton	16	0.1	0.02	0	0	0	0	0	5	0	0	0	0	11	0	0	0	0	
Glencoe	192	0.2	2	0	0	0	0	0	52	0	0	0	0	140	17	0	0	0	
Hutchinson	2503	1.0	3	395	0	0	0	0	230	33	0	0	0	1877	66	0	0	0	
Lester Prairie	38	0.2	.02	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	
Plato	8	0.1	.01	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	
Silver Lake	5	0.0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5	
Stewart	53	0.3	.5	0	0	0	0	0	30	0	0	0	0	23	0	0	0	0	
Winsted	120	0.3	2	0	0	0	0	0	50	0	0	0	0	70	10	0	0	0	
McLeod	2985	0.6	0.6%	414	0	0	0	0	374	33	0	0	0	2196	93	0	0	5	

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Meeker																			
Cedar Mills	57	2.2	1	25	0	0	0	0	28	0	0	0	0	4	0	0	0	0	
Cosmos	171	1.0	1	94	0	0	0	0	59	0	0	0	0	18	0	0	0	0	
Darwin	164	1.6	3	42	0	0	0	0	84	4	0	0	0	38	0	0	0	0	
Dassel	185	0.6	1	9	0	0	0	0	150	0	0	0	9	26	0	0	0	9	
Eden Valley	173	0.8	1	35	0	0	0	0	61	17	0	0	0	78	0	0	0	0	
Grove City	36	0.3	1	0	0	0	0	0	6	0	0	0	0	30	0	0	0	0	
Kingston	80	1.3	2	4	0	0	0	0	40	0	0	0	24	36	0	0	0	16	
Litchfield	5157	3.8	25	116	0	0	0	0	850	0	0	0	19	4192	19	0	0	0	
Watkins	58	0.3	1	0	0	0	0	0	6	0	0	0	0	52	6	0	0	0	
Meeker	6081	2.4	6.2%	325	0	0	0	0	1284	21	0	0	52	4474	25	0	0	25	

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Mille Lacs																			
Bock	79	1.8	1.5	41	0	0	0	0	17	0	0	0	0	21	3	0	0	0	
Foreston	143	1.0	2	90	0	0	0	0	23	0	0	0	0	30	0	0	0	0	
Isle	514	1.6	5	367	0	0	0	9	101	0	0	0	0	46	0	0	0	0	
Milaca	360	0.7	2	12	0	0	0	0	81	0	0	0	0	267	0	23	0	0	
Onamia	222	1.2	2	163	0	0	0	0	35	0	0	0	0	25	0	0	0	0	
Pease	94	1.5	2.5	33	0	0	0	0	33	3	0	0	0	28	0	0	0	0	
Princeton	808	0.9	2	396	0	0	0	0	91	0	0	0	0	320	0	15	0	0	
Wahkon	131	0.5	1	81	0	0	0	0	30	0	0	0	0	20	10	0	0	0	
Mille Lacs	2351	1.0	2.2%	1183	0	0	0	9	411	3	0	0	0	757	13	38	0	0	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Morrison																		
Bowlus	174	1.4	6	46	0	0	0	0	56	0	0	0	0	72	0	0	0	0
Elmdale	95	1.1	1	47	0	0	0	0	36	0	0	0	0	12	0	0	0	0
Flensburg	472	1.8	5	352	0	7	20	0	100	0	0	0	7	20	0	0	0	0
Genola	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hillman	39	1.0	5	24	0	0	0	0	12	0	0	0	0	2	0	0	0	0
Lastrup	40	0.8	9	12	0	0	0	0	12	0	0	0	0	17	0	0	0	0
Little Falls	2938	1.7	10	479	0	0	0	0	414	0	0	0	0	2046	0	0	0	0
Motley	81	0.3	1	8	0	0	0	0	40	0	0	0	0	32	0	0	0	0
Pierz	119	0.5	3	14	0	0	0	0	7	0	0	0	0	98	0	0	0	0
Randall	363	1.3	1	74	0	0	0	0	84	0	0	0	0	205	9	9	0	0
Royalton	633	2.3	6	147	0	0	0	0	139	0	0	0	0	347	0	0	0	0
Swanville	203	1.9	1	19	5	0	0	0	58	5	0	0	0	126	0	0	0	5
Upsala	157	1.5	2	95	0	0	0	0	33	0	0	0	0	28	0	0	0	0
Morrison	5314	1.5	3.8%	1317	5	7	20	0	991	5	0	0	7	3005	9	9	0	5

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Mower																			
Adams	23	0.1	1	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	
Austin	1333	0.4	1	267	0	0	0	0	433	0	0	0	0	633	0	0	0	0	
Brownsdale	30	0.2	5	6	0	0	0	0	18	0	0	0	0	6	0	0	0	0	
Dexter	146	1.2	1	80	0	0	0	19	47	0	0	0	5	19	0	0	0	0	
Elkton	10	0.2	.5	7	0	0	0	0	2	0	0	0	0	0	0	0	0	0	
Grand Meadow	84	0.3	.5	50	0	0	0	0	25	0	0	0	0	8	0	0	0	0	
Le Roy	187	0.8	1	71	0	0	0	0	98	0	0	0	89	18	0	0	0	9	
Lyle	33	0.2	5	0	0	0	0	0	0	0	0	0	0	33	0	0	0	0	
Mapleview	75	1.9	5	13	0	0	0	0	50	0	0	0	0	13	0	0	0	0	
Racine	52	0.4	1	10	0	0	0	0	24	0	0	0	5	19	5	0	0	0	
Rose Creek	23	0.2	3	8	0	0	0	0	12	0	0	0	0	4	0	0	0	0	
Sargeant	2	0.0	.01	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	
Taopi	9	0.2	.5	0	0	0	0	0	6	0	0	0	0	3	0	0	0	0	
Waltham	582	8.6	4	469	0	0	0	97	103	3	0	0	3	10	0	0	0	3	
Mower	2589	0.5	1.1%	981	0	0	0	116	818	3	0	0	102	791	5	0	0	12	

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Murray																			
Avoca	22	0.1	1	0	0	0	0	0	11	0	0	0	0	11	0	0	0	0	
Chandler	277	3.7	1	199	0	0	0	39	78	0	4	4	0	0	0	0	0	0	
Currie	29	0.2	2	5	0	0	0	0	10	0	0	0	5	15	0	0	0	5	
Dovray	36	0.8	3	0	0	0	0	0	18	0	0	0	5	18	0	0	0	5	
Fulda	196	0.6	1	65	0	0	0	0	0	0	0	0	0	131	0	16	0	0	
Hadley	21	0.5	1	3	0	0	0	0	15	0	0	0	0	3	0	0	0	0	
Iona	103	1.0	1	38	0	0	0	0	28	0	0	0	0	38	0	0	0	0	
Lake Wilson	199	1.6	1	154	0	0	0	0	30	0	0	0	0	15	0	0	0	10	
Slayton	461	0.8	1	128	0	0	0	0	282	0	0	0	0	51	0	0	0	0	
Murray	1344	0.9	1.0%	592	0	0	0	39	472	0	4	4	10	282	0	16	0	20	
Nicollet																			
Courtland	649	3.0	1	292	0	0	0	0	339	0	0	0	38	19	0	0	0	0	
Lafayette	54	0.2	.5	0	0	0	0	0	12	0	0	0	0	42	0	0	0	0	
Nicollet	167	0.8	1	58	0	0	0	0	100	0	0	0	0	8	0	0	0	0	
North Mankato	4348	2.2	1	2694	0	0	0	0	1512	0	0	0	95	142	0	0	0	0	
Saint Peter	859	0.4	2	326	0	0	0	0	326	0	0	0	0	207	0	0	0	0	
Nicollet	6077	1.3	1.1%	3370	0	0	0	0	2289	0	0	0	133	418	0	0	0	0	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Nobles																		
Adrian	584	2.0	3	146	0	0	0	0	292	0	0	58	204	146	29	0	0	29
Bigelow	55	0.6	3	11	0	0	0	0	5	0	0	0	0	38	5	0	0	0
Brewster	88	0.6	5	0	0	0	0	0	41	0	0	0	0	46	0	0	0	0
Dundee	33	0.5	1	2	0	0	0	0	26	5	0	2	2	5	0	0	0	2
Ellsworth	53	0.3	3	0	0	0	0	0	18	0	0	0	0	35	6	0	0	6
Lismore	53	0.6	1	11	0	0	0	11	11	0	0	0	0	32	0	0	0	0
Round Lake	27	0.2	1	18	0	0	0	0	0	0	0	0	0	9	0	0	0	9
Rushmore	11	0.1	1	0	0	0	0	0	11	0	0	0	5	0	0	0	0	0
Wilmont	174	1.1	1	0	0	0	0	0	65	0	0	0	0	109	0	0	0	0
Worthington	156	0.1	2	19	0	0	0	0	78	0	0	0	0	58	0	0	0	0
Nobles	1234	0.4	2.0%	207	0	0	0	11	547	5	0	60	211	478	40	0	0	46

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Norman																		
Ada	676	1.6	1	37	0	0	0	0	146	0	9	0	0	494	27	91	9	0
Borup	114	2.6	1	57	0	0	0	0	31	0	0	0	0	26	0	0	0	0
Gary	80	0.8	1	26	0	0	0	0	34	0	0	0	0	20	0	0	0	0
Halstad	100	0.7	1	17	0	0	4	0	4	0	0	0	0	79	4	0	4	0
Hendrum	180	1.7	1	83	0	0	0	0	17	0	0	0	0	80	0	0	10	0
Perley	122	2.7	2	95	0	0	0	0	23	0	0	0	0	4	0	0	0	0
Shelly	82	1.1	1	38	0	0	0	0	3	0	0	3	0	41	0	0	0	3
Twin Valley	451	1.7	1	184	0	0	0	0	119	0	0	0	0	148	6	0	18	0
Norman	1805	1.5	1.0%	537	0	0	4	0	377	0	9	3	0	892	37	91	41	3
Olmsted																		
Byron	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dover	13	0.1	1	6	0	0	0	0	0	0	0	0	0	6	0	0	0	0
Eyota	27	0.1	1	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0
Oronoco	356	0.7	NR	172	0	0	0	13	158	0	0	0	0	26	0	0	0	0
Rochester	20098	1.0	1	7537	0	0	0	0	1599	0	0	0	0	10963	0	0	0	0
Stewartville	103	0.1	1	52	0	0	0	0	0	0	0	0	0	52	0	0	0	0
Olmsted	20597	0.9	1.0%	7767	0	0	0	13	1757	0	0	0	0	11074	0	0	0	0

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Otter Tail																			
Battle Lake	815	2.1	1	283	0	0	0	0	238	0	0	0	0	294	0	0	11	11	
Bluffton	646	4.3	5	507	0	0	0	0	113	0	0	0	0	26	0	0	0	0	
Clitherall	242	3.8	20	89	0	0	0	0	98	0	0	0	0	55	0	0	0	0	
Dalton	18	0.2	1	9	0	0	0	0	4	0	0	0	0	4	0	0	0	0	
Deer Creek	663	6.1	30	281	0	0	0	0	295	0	0	0	0	86	0	0	0	4	
Dent	62	0.8	2	4	0	0	0	0	4	0	0	0	0	54	0	0	0	0	
Elizabeth	92	1.1	1	48	0	0	0	0	23	0	0	0	0	21	0	0	0	0	
Erhard	156	2.7	3	58	0	0	0	0	39	0	0	0	0	58	0	0	0	0	
Fergus Falls	22783	7.3	5	1185	0	0	0	0	1698	39	0	39	0	19901	197	118	118	118	
Henning	702	2.2	5	366	0	0	0	0	208	0	0	0	0	128	0	0	0	0	
New York Mills	487	1.7	2	255	0	0	0	0	174	0	0	0	0	58	0	0	0	0	
Ottertail	336	1.0	1	36	0	0	0	0	107	0	0	0	0	193	0	7	0	0	
Parkers Prairie	1024	3.2	5	263	0	0	0	0	302	0	0	0	0	458	10	0	0	0	
Pelican Rapids	656	1.4	1	406	0	0	0	0	107	0	0	0	0	143	0	0	0	0	
Perham	1916	2.9	5	257	0	0	0	0	667	0	0	0	0	992	34	0	0	0	
Richville	227	2.1	2	156	0	0	0	0	23	0	0	0	0	47	0	0	0	0	
Underwood	92	0.9	2	11	0	0	0	0	29	0	0	0	0	52	0	0	0	0	
Urbank	79	1.8	3	51	0	0	0	0	13	0	0	0	0	15	0	0	0	0	
Vergas	162	1.0	<1	24	0	0	0	0	65	0	0	0	0	73	0	0	0	0	
Vining	87	1.3	2	49	0	0	0	0	4	0	0	0	0	34	0	0	0	0	

Urban Elm Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Otter Tail	31245	4.5	3.9%	4338	0	0	0	0	4211	39	0	39	0	22692	241	125	129	133
Pennington																		
Goodridge	15	0.2	1	9	0	0	0	0	3	0	0	0	0	3	0	0	0	0
Saint Hilaire	231	1.8	2	34	0	0	0	0	172	0	0	0	0	25	0	0	0	0
Thief River Falls	4644	3.1	2	415	0	0	0	0	332	0	0	0	0	3898	0	111	0	0
Pennington	4890	2.9	2.0%	458	0	0	0	0	507	0	0	0	0	3926	0	111	0	0

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Pine																		
Askov	212	1.7	3	121	0	0	0	0	40	0	0	0	0	52	0	0	0	0
Brook Park	248	3.2	5	204	0	0	0	0	37	0	0	0	0	6	0	0	0	3
Bruno	81	1.1	2	17	0	0	0	0	30	0	0	0	0	34	0	0	0	0
Finlayson	78	0.7	1	41	0	0	0	0	29	0	0	0	0	8	0	0	0	0
Henriette	315	5.9	10	143	0	0	0	0	107	7	0	0	0	64	0	0	0	0
Hinckley	285	0.7	<1	98	0	0	0	0	49	0	0	0	0	138	0	0	30	0
Kerrick	85	1.1	1	67	0	0	0	0	13	0	0	0	0	4	0	0	0	0
Pine City	549	0.9	<1	260	0	0	0	0	173	0	0	0	0	116	0	0	0	0
Rock Creek	1164	2.0	40	894	0	0	0	0	245	0	0	0	0	24	0	0	0	0
Rutledge	30	0.3	1	18	0	0	0	0	6	0	0	0	0	6	0	0	0	0
Sandstone	445	1.0	2	64	0	0	0	0	172	0	0	0	0	209	0	0	0	0
Sturgeon Lake	38	0.1	<1	8	0	0	0	0	15	0	0	0	0	15	0	0	0	0
Willow River	54	0.2	<1	31	0	0	0	0	8	0	0	0	0	15	0	0	0	0
Pine	3584	1.1	2.2%	1966	0	0	0	0	924	7	0	0	0	691	0	0	30	3

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Pipestone																			
Edgerton	75	0.2	1	28	0	0	0	0	0	0	0	0	0	47	0	0	0	0	
Hatfield	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Holland	18	0.2	2	0	0	0	0	0	12	0	0	0	12	6	0	0	0	3	
Ihlen	31	0.7	1	0	0	0	0	0	27	0	2	0	13	4	0	0	0	0	
Jasper	32	0.2	.5	0	0	0	0	0	11	0	0	0	0	21	0	0	0	0	
Pipestone	565	0.6	NR	419	0	0	0	0	18	0	0	0	0	127	0	0	0	18	
Ruthton	40	0.4	1	25	0	0	0	0	15	0	0	0	0	0	0	0	0	0	
Trosky	17	0.2	1	0	0	0	0	0	6	0	0	0	0	11	0	0	0	0	
Woodstock	54	0.7	5	47	0	0	0	0	3	0	0	0	0	3	0	0	0	3	
Pipestone	832	0.4	1.1%	519	0	0	0	0	92	0	2	0	25	219	0	0	0	24	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Polk																		
Beltrami	154	2.3	2	104	0	0	0	0	47	0	0	0	0	3	0	0	0	0
Climax	103	1.4	1	98	0	0	0	0	5	0	0	0	0	0	0	0	0	0
Crookston	2258	1.6	2	415	0	0	0	0	253	0	0	0	0	1590	0	46	92	0
East Grand Forks	1211	0.8	1	346	0	0	0	0	130	0	0	0	22	735	0	43	130	151
Erskine	50	0.3	1	15	0	0	0	0	30	0	0	0	0	5	0	0	0	0
Fertile	394	1.5	1	30	0	0	0	0	126	0	15	30	0	238	0	7	15	0
Fisher	43	0.5	1	36	0	0	0	0	4	0	0	0	0	4	0	0	0	0
Fosston	133	0.3	2	12	0	0	0	0	109	0	0	0	0	12	0	0	0	0
Gully	18	0.3	.2	5	0	0	0	0	8	0	0	0	0	5	0	0	0	0
Lengby	254	2.3	2	153	0	0	0	0	97	0	0	0	0	5	0	0	0	0
McIntosh	147	0.7	1	0	0	0	0	0	70	0	0	0	0	77	0	0	0	7
Mentor	88	0.6	1	72	0	0	0	0	17	6	0	0	0	0	0	0	0	0
Nielsville	115	2.4	NR	99	0	0	0	0	13	0	0	0	0	3	0	0	0	0
Trail	270	5.5	3	14	0	0	0	0	221	0	0	0	0	35	0	0	0	0
Winger	48	0.7	1	13	0	0	0	0	10	0	0	0	0	26	0	0	0	0
Polk	5286	1.1	1.4%	1412	0	0	0	0	1140	6	15	30	22	2738	0	96	237	158

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Pope																			
Cyrus	43	0.4	5	0	0	0	0	0	10	0	0	0	0	33	0	3	0	0	
Farwell	71	1.9	10	55	0	0	0	0	15	0	0	0	8	2	0	2	0	0	
Glenwood	470	0.7	3	0	0	0	0	0	364	0	0	0	0	106	15	0	0	15	
Lowry	6	0.1	.01	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	
Sedan	72	1.3	15	11	0	0	0	0	12	0	0	0	0	49	0	0	0	2	
Starbuck	353	0.8	10	131	0	0	0	0	183	0	0	0	13	39	0	13	0	0	
Villard	317	2.1	5	159	0	0	0	0	71	0	0	0	0	88	0	0	0	0	
Westport	35	0.6	5	10	0	0	0	0	12	0	0	0	0	12	0	2	0	0	
Pope	1367	0.8	1.5%	366	0	0	0	0	667	0	0	0	21	335	15	20	0	17	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Ramsey																		
Arden Hills	3893	1.7	2	1784	0	0	0	162	1014	0	0	0	0	1095	0	0	0	0
Falcon Heights	655	0.7	NR	255	18	0	0	0	55	0	0	0	0	346	18	0	0	0
Gem Lake	4489	13.2	4	3174	0	0	0	408	1224	23	0	0	91	91	0	0	0	0
Lauderdale	392	1.4	1	282	0	0	0	0	0	0	0	0	0	111	20	0	0	0
Little Canada	5165	2.7	NR	2146	0	0	0	0	2463	40	0	79	0	556	0	0	0	40
Maplewood	67786	5.9	NR	30597	338	169	0	2198	30090	0	0	0	4733	7100	169	0	169	0
Mounds View	8119	3.1	3	3960	0	0	0	0	2020	0	0	40	0	2139	119	0	0	40
New Brighton	4582	1.3	1	2314	0	0	0	0	1435	0	0	0	0	833	0	0	0	0
North Oaks	17650	6.6	3	11756	0	0	0	64	4895	0	0	0	64	998	32	0	0	32
North Saint Paul	1032	0.6	1	573	0	0	0	138	252	0	0	0	46	206	0	0	0	0
Roseville	18899	2.6	2	9838	86	0	0	0	4056	0	0	0	0	5005	431	0	0	0
Shoreview	6298	1.3	2	1942	0	0	0	118	3355	118	0	0	235	1001	59	0	0	59
Vadnais Heights	1292	0.5	1	279	0	0	0	0	838	0	0	0	70	175	0	0	0	0
West Saint Paul	2615	0.8	1	674	0	0	0	0	1308	0	0	0	0	634	0	40	0	40
White Bear Lake	5752	1.0	1	1665	0	0	0	0	1665	0	0	0	0	2422	76	0	76	76
Ramsey	148619	2.9	1.9%	71239	442	169	0	308	54670	181	0	119	523	22712	924	40	245	287

Urban Elm Populations, by Size Class and County

County	All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Red Lake																		
Brooks	33	0.6	1	7	0	0	0	0	17	0	0	0	0	10	0	0	0	0
Oklee	177	1.0	1	38	0	0	0	0	70	0	0	0	0	70	0	0	6	0
Plummer	66	0.6	1	23	0	0	0	0	23	0	0	0	0	20	0	0	0	0
Red Lake Falls	641	1.2	1	191	0	0	0	0	158	0	0	0	0	293	0	0	0	0
Red Lake	917	1.0	1.0%	259	0	0	0	0	268	0	0	0	0	393	0	0	6	0

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Redwood																			
Belview	69	0.6	5	37	0	0	0	0	20	0	0	0	0	12	0	0	0	0	
Clements	37	0.4	1	34	0	0	0	0	0	0	0	0	0	3	0	0	0	0	
Delhi	162	2.1	2	143	0	0	0	0	11	0	0	0	0	8	0	0	0	0	
Lamberton	498	2.3	3	332	0	0	0	0	40	0	0	0	0	126	0	0	0	0	
Lucan	83	1.0	3	0	0	0	0	0	40	0	0	0	0	43	0	3	0	0	
Milroy	63	0.8	3	14	0	0	0	0	39	0	0	0	0	11	0	4	0	0	
Morgan	49	0.2	2	7	0	0	0	0	0	0	0	0	0	42	0	0	0	0	
Redwood Falls	485	0.5	2	37	0	0	0	0	37	0	0	0	0	410	37	0	0	0	
Revere	43	0.8	1	18	0	0	0	0	13	0	0	0	0	13	0	0	0	3	
Sanborn	469	2.8	5	321	0	0	0	6	92	0	0	0	0	55	0	6	0	0	
Seaforth	95	1.3	5	67	0	0	0	0	28	0	0	0	8	0	0	0	0	0	
Vesta	14	0.1	.5	0	0	0	0	0	0	0	0	0	0	14	5	0	0	0	
Wabasso	44	0.3	2	0	0	0	0	0	5	0	0	0	0	39	0	5	0	0	
Walnut Grove	174	0.9	2	77	0	0	0	0	90	0	0	6	6	6	0	0	0	0	
Wanda	68	1.2	2	33	0	0	0	0	35	0	0	0	0	0	0	0	0	0	
Redwood	2353	0.9	2.5%	1120	0	0	0	6	450	0	0	6	14	782	42	18	0	3	

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Renville																			
Bird Island	68	0.2	1	0	0	0	0	0	10	0	0	0	0	58	0	0	0	0	
Buffalo Lake	17	0.1	.01	0	0	0	0	0	6	0	0	0	0	11	0	0	0	0	
Danube	21	0.2	.02	0	0	0	0	0	5	0	0	0	0	16	0	0	0	0	
Fairfax	24	0.1	.01	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	
Franklin	127	0.8	2	6	0	0	0	0	58	0	0	0	0	64	0	0	0	0	
Hector	16	0.1	.01	0	0	0	0	0	16	0	0	0	16	0	0	0	0	0	
Morton	222	1.5	10	23	0	0	0	0	68	0	0	0	0	131	0	0	0	0	
Olivia	39	0.1	1	0	0	0	0	0	0	0	0	0	0	39	0	0	0	0	
Renville	83	0.3	.5	0	0	0	0	0	8	0	0	0	0	75	0	0	0	0	
Sacred Heart	15	0.1	.02	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	
Renville	632	0.2	0.1%	29	0	0	0	0	171	0	0	0	16	433	0	0	0	0	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Rice																		
Dundas	1465	6.2	15	567	0	0	0	14	704	0	0	0	0	194	0	0	0	0
Faribault	5201	1.4	15	923	0	0	0	0	2055	42	0	0	294	2223	0	0	42	84
Lonsdale	688	2.0	10	415	0	0	0	0	175	0	0	0	0	98	0	0	0	0
Morristown	115	0.6	1	22	0	0	0	0	72	0	0	0	0	22	0	0	0	0
Nerstrand	135	1.6	3	71	0	0	0	0	55	0	0	0	10	10	0	0	0	0
Northfield	2492	1.2	20	420	0	0	0	0	751	0	0	0	60	1321	0	0	30	150
Rice	10096	1.5	12.7%	2418	0	0	0	14	3812	42	0	0	364	3868	0	0	72	234
Rock																		
Beaver Creek	60	0.6	1	33	0	0	0	0	13	13	0	0	0	13	0	0	0	7
Hardwick	62	0.7	5	23	0	0	0	0	16	0	0	0	0	23	0	0	0	0
Hills	16	0.1	.5	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0
Kenneth	85	1.6	5	13	0	0	0	0	7	0	0	0	0	66	0	0	0	0
Luverne	86	0.1	2	0	0	0	0	0	29	0	0	0	0	57	14	0	0	0
Magnolia	88	1.0	5	51	0	0	0	0	11	0	0	0	0	26	0	0	0	0
Steen	55	0.8	1	0	0	0	0	0	16	0	0	0	0	38	0	0	0	5
Rock	452	0.3	1.9%	120	0	0	0	0	92	13	0	0	0	239	14	0	0	12

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Roseau																			
Badger	125	0.8	2	52	0	0	0	0	47	5	0	0	5	26	0	0	0	0	
Greenbush	133	0.5	1	16	0	0	0	0	39	0	0	0	0	78	0	0	0	0	
Roosevelt	7	0.1	1	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	
Roseau	336	0.6	1	117	0	0	0	0	131	0	0	0	15	88	0	0	0	15	
Strathcona	2	0.1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Warroad	138	0.4	1	41	0	0	0	0	62	0	0	0	0	35	0	0	0	0	
Roseau	741	0.5	1.1%	228	0	0	0	0	286	5	0	0	20	227	0	0	0	15	
Scott																			
Belle Plaine	1292	1.0	2	760	0	0	0	0	127	0	0	0	0	405	0	25	25	51	
Elko	2918	9.1	15	2124	0	0	32	43	601	0	0	54	75	193	0	11	0	0	
Jordan	2392	2.4	5	1051	0	0	0	0	693	0	0	0	112	648	0	0	0	0	
New Market	97	0.3	.5	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Prior Lake	16509	3.2	NR	11287	0	0	77	0	2918	0	0	0	0	2304	0	0	0	0	
Savage	30296	2.9	NR	22550	0	0	0	689	6886	0	0	0	0	861	0	0	0	0	
Shakopee	18551	1.9	NR	12500	0	0	0	198	3175	0	0	0	99	2877	0	0	99	0	
Scott	72055	2.5	4.4%	50369	0	0	109	930	14400	0	0	54	286	7288	0	36	124	51	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Sherburne																		
Becker	2333	2.5	10	329	0	16	0	0	423	0	0	0	16	1581	0	0	31	0
Big Lake	2555	1.8	10	551	0	0	0	0	1253	0	0	0	0	752	25	0	25	0
Clear Lake	195	1.3	3	0	0	0	0	0	65	0	0	0	0	130	0	0	0	0
Elk River	92474	3.3	10	46619	0	0	0	764	31079	0	0	0	1019	14775	0	0	0	0
Zimmerman	1913	2.6	6	772	0	0	0	0	842	0	0	0	0	298	0	0	0	0
Sherburne	99470	3.2	9.8%	48271	0	16	0	764	33662	0	0	0	103	17536	25	0	56	0
Sibley																		
Arlington	417	0.5	.5	0	0	0	0	0	20	0	0	0	20	397	20	0	0	20
Gaylord	317	0.3	.02	0	0	0	0	0	0	0	0	0	0	317	26	0	0	26
Gibbon	68	0.2	.02	0	0	0	0	0	17	0	0	0	0	51	0	0	0	0
Green Isle	92	0.2	.02	0	0	0	0	0	61	0	0	0	0	31	0	0	0	0
Henderson	216	0.3	.02	0	0	0	0	0	48	0	0	0	0	168	0	0	0	0
New Auburn	184	0.6	.5	61	0	0	0	0	88	0	0	0	0	35	0	0	0	9
Winthrop	150	0.2	1	0	0	0	0	0	38	0	0	0	0	113	19	0	0	0
Sibley	1444	0.3	0.0%	61	0	0	0	0	272	0	0	0	20	1112	65	0	0	55

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
St. Louis																		
Aurora	77	0.2	<1	29	0	0	0	0	19	0	0	0	0	29	0	0	0	0
Babbitt	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buhl	169	0.7	2	101	0	0	0	0	61	0	0	0	0	7	0	0	0	0
Chisholm	500	0.5	>1	303	0	0	0	0	92	0	0	0	0	105	0	0	0	0
Cook	262	1.2	5	172	0	0	0	0	75	0	0	0	0	15	0	0	0	0
Duluth	11680	0.6	2	5742	0	0	0	0	2725	0	0	0	0	3212	0	0	0	0
Ely	494	0.6	1	447	0	0	0	0	24	0	0	0	0	24	0	0	0	0
Eveleth	224	0.3	1	177	0	0	0	0	24	0	0	0	0	24	0	0	0	0
Floodwood	254	1.7	8	138	0	0	0	0	101	0	0	0	0	16	0	0	0	0
Gilbert	177	0.3	1	76	0	0	0	0	63	0	0	0	0	38	0	0	0	0
Hermantown	1831	0.1	<1	1526	0	0	0	0	0	0	0	0	0	305	0	0	0	0
Hibbing	4086	0.7	NR	1741	0	0	0	0	1892	0	0	0	0	454	0	0	0	0
Hoyt Lakes	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kinney	21	0.2	<1	3	0	0	0	0	9	0	0	0	0	9	0	0	0	0
Leonidas	36	1.6	1	33	0	1	0	0	3	0	0	0	0	0	0	0	0	0
McKinley	16	0.2	<1	13	0	0	0	0	0	0	0	0	0	3	0	0	0	0
Meadowlands	24	0.4	<1	5	0	0	0	0	16	0	0	0	0	3	0	0	0	0
Mountain Iron	346	0.4	NR	225	0	0	0	0	90	0	0	0	0	30	0	0	0	0
Orr	104	0.6	2	69	0	0	0	0	28	0	0	0	0	7	0	0	0	0
Proctor	21	0.0	<1	11	0	0	0	0	11	0	0	0	0	0	0	0	0	0

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Tower	403	1.7	5	177	0	0	0	0	207	0	0	0	0	20	0	0	0	0	
Virginia	391	0.3	>1	215	0	0	0	0	152	0	0	0	0	25	0	0	0	0	
Winton	3	0.1	<1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	
St. Louis	21119	0.4	1.7%	11203	0	1	0	0	5595	0	0	0	0	4326	0	0	0	0	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Stearns																		
Albany	233	0.8	2	14	0	0	0	0	28	0	0	0	0	191	0	0	0	0
Avon	496	1.6	5	185	0	0	0	0	78	0	0	0	0	233	0	0	0	0
Belgrade	250	1.1	5	27	0	0	0	0	41	0	0	0	0	182	14	0	0	7
Brooten	195	0.9	5	34	0	0	0	0	54	0	0	0	13	108	0	0	0	0
Cold Spring	286	0.5	3	0	0	0	0	0	80	0	0	0	0	206	0	0	0	0
Elrosa	31	0.6	1	5	0	0	0	0	17	0	0	0	0	10	0	0	0	0
Freeport	119	0.7	5	0	0	0	0	0	91	0	0	0	21	28	0	0	0	0
Greenwald	21	0.2	1	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0
Holdingsford	208	1.1	2	83	0	0	0	0	63	0	0	0	0	63	14	0	0	0
Kimball	361	2.4	10	110	0	0	0	0	181	0	0	0	26	71	0	0	0	6
Meire Grove	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Melrose	643	0.9	2	47	0	0	0	0	267	0	0	0	0	329	0	0	0	0
New Munich	26	0.3	1	0	0	0	0	0	13	0	0	0	0	13	0	0	0	4
Paynesville	297	0.7	2	40	0	0	0	0	79	0	0	0	0	178	0	0	0	10
Richmond	240	0.9	2	31	0	0	0	0	62	0	0	0	0	147	0	0	0	0
Rockville	5387	6.4	15	1846	0	0	0	61	2966	30	0	0	61	575	30	0	0	0
Roscoe	141	2.4	5	51	0	0	0	0	54	0	0	0	0	36	0	0	0	7
Saint Anthonys	6	0.2	.5	2	0	0	0	0	4	0	0	0	0	0	0	0	0	0
Saint Cloud	15526	1.7	7	3370	0	0	0	0	2486	0	0	0	0	9669	166	55	0	0
Saint Joseph	247	0.4	2	0	0	0	0	0	102	0	0	0	0	145	15	0	0	0

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Saint Martin	29	0.3	1	0	0	0	0	0	14	0	0	0	0	14	0	0	0	0	
Saint Stephen	112	0.5	2	20	0	0	0	0	40	0	0	0	0	53	0	0	0	0	
Sartell	1603	0.8	2	626	0	0	0	0	701	0	0	0	0	276	0	0	0	0	
Sauk Centre	5271	4.3	20	562	0	0	0	27	2033	27	0	0	0	2676	0	0	0	0	
Spring Hill	45	1.2	1	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Waite Park	1353	1.3	10	18	0	0	0	0	686	54	0	0	72	650	36	0	0	18	
Stearns	33126	1.7	6.2%	7116	0	0	0	88	10140	111	0	0	193	15874	275	55	0	52	
Steele																			
Blooming Prairie	51	0.1	.5	0	0	0	0	0	30	0	0	0	0	20	0	0	0	0	
Ellendale	16	0.1	.5	0	0	0	0	0	0	0	0	0	0	16	11	0	0	5	
Medford	140	0.7	1	0	0	0	0	0	93	0	0	0	0	47	0	0	0	7	
Owatonna	304	0.1	1	0	0	0	0	0	174	0	0	0	0	130	0	0	0	43	
Steele	511	0.1	0.9%	0	0	0	0	0	297	0	0	0	0	213	11	0	0	55	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")					
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Stevens																			
Alberta	9	0.2	1	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chokio	31	0.2	1	16	5	0	0	0	5	0	0	0	0	10	0	0	0	0	0
Donnelly	54	0.4	1	44	0	0	0	0	5	0	0	0	5	5	0	0	0	0	0
Hancock	141	0.6	1	55	0	0	0	0	25	0	0	0	0	61	12	0	0	0	0
Morris	2448	2.5	4	72	0	0	0	0	144	18	0	0	0	2232	54	0	54	0	0
Stevens	2683	1.7	3.2%	196	5	0	0	0	179	18	0	0	5	2308	66	0	54	0	0
Swift																			
Appleton	1011	2.2	1	418	0	0	0	0	198	0	0	0	22	396	33	0	22	11	0
Benson	4022	5.3	3	827	0	0	0	0	894	0	0	22	0	2302	179	67	0	0	0
Clontarf	469	3.5	NR	401	0	0	0	0	52	0	0	0	0	16	0	0	0	0	0
Danvers	148	1.9	1	143	0	0	0	0	3	0	0	0	0	3	0	0	0	0	0
De Graff	152	1.8	1	144	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0
Holloway	169	2.1	1	145	0	0	0	0	3	0	0	0	0	21	0	0	0	0	5
Kerkhoven	86	0.4	1	0	0	0	0	0	0	0	0	0	0	86	0	0	0	0	0
Murdock	106	0.8	1	50	0	0	0	0	33	0	0	0	0	22	0	0	0	0	0
Swift	6163	3.2	1.9%	2128	0	0	0	0	1183	0	0	22	22	2854	212	67	22	16	0

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Todd																		
Bertha	96	0.7	2	78	0	0	0	0	9	0	0	0	5	9	0	0	0	0
Browerville	533	2.2	2	183	0	0	0	0	215	0	0	0	0	135	0	0	8	0
Burtrum	420	5.1	25	232	0	0	0	0	134	0	0	0	0	55	0	0	0	0
Clarissa	906	4.0	6	239	0	0	0	0	333	0	0	0	7	333	0	0	7	0
Eagle Bend	338	1.4	1	206	0	0	0	0	74	0	0	0	0	58	0	0	0	0
Grey Eagle	129	1.3	10	44	0	0	0	0	33	0	0	0	0	52	0	0	0	0
Hewitt	141	1.1	2	47	0	0	0	0	47	0	0	0	0	47	0	0	0	0
Long Prairie	897	1.5	5	90	0	0	0	0	167	0	0	0	0	640	0	0	0	0
Todd	3460	1.9	3.2%	1119	0	0	0	0	1012	0	0	0	12	1329	0	0	15	0
Traverse																		
Browns Valley	1706	7.0	5	1004	0	0	0	0	337	57	0	0	0	365	217	0	0	0
Dumont	13	0.2	1	0	0	0	0	0	3	0	0	0	0	10	0	0	0	0
Tintah	158	2.0	1	68	0	0	0	0	35	3	0	0	0	55	3	0	10	0
Wheaton	1043	2.4	1	404	0	0	0	9	85	0	0	0	0	555	28	28	0	28
Traverse	2920	3.5	1.9%	1476	0	0	0	9	460	60	0	0	0	985	248	28	10	28

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Wabasha																		
Elgin		0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hammond		26	0.4	1	0	0	0	0	9	0	0	0	0	17	0	0	0	0
Kellogg		21	0.1	1	5	0	0	0	5	0	0	0	0	10	0	0	0	0
Lake City		163	0.1	1	73	0	0	0	54	0	0	0	0	36	0	0	0	0
Mazeppa		185	0.9	1	51	0	0	0	98	0	5	0	0	36	0	0	0	0
Millville		30	0.5	1	22	7	0	0	4	0	0	0	0	4	0	0	0	0
Plainview		78	0.1	1	0	0	0	0	10	0	0	0	0	68	0	0	0	0
Wabasha		116	0.2	1	39	0	0	0	0	0	0	0	0	77	0	0	0	0
Zumbro Falls		272	4.5	5	136	0	0	0	115	0	0	0	0	21	0	0	0	0
Wabasha		891	0.3	1.3%	326	7	0	0	295	0	5	0	0	269	0	0	0	0
Wadena																		
Aldrich		62	1.2	1	43	0	0	0	13	0	0	0	0	5	0	0	0	0
Menahga		651	1.4	1	396	0	0	0	184	0	0	0	0	71	0	0	0	0
Sebeka		270	0.8	<1	60	0	0	0	30	0	0	0	0	180	0	0	0	0
Staples		1200	1.8	8	52	0	0	0	196	0	0	0	0	952	0	0	0	0
Verndale		659	3.5	5	190	0	0	0	266	0	0	0	0	203	0	0	0	0
Wadena		1785	1.6	5	243	0	0	0	399	0	0	0	0	1144	0	0	0	17
Wadena		4627	1.6	2.9%	984	0	0	0	1088	0	0	0	0	2555	0	0	0	17

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Waseca																			
Janesville	71	0.2	1	0	0	0	0	0	71	0	0	0	12	0	0	0	0	0	
New Richland	75	0.2	2	50	0	0	0	0	0	0	0	0	0	25	0	0	0	0	
Waldorf	61	0.7	2	0	0	0	0	0	14	0	0	0	4	46	0	0	0	0	
Waseca	428	0.3	NR	348	0	0	0	0	0	0	0	0	0	80	27	0	0	0	
Waseca	635	0.3	4.6%	398	0	0	0	0	85	0	0	0	16	151	27	0	0	0	

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Washington																		
Afton	41674	4.6	3	14325	289	0	0	1013	23731	289	0	145	1881	3618	145	0	145	145
Bayport	1598	2.1	2	680	0	0	0	0	731	0	0	0	85	187	0	0	34	17
Birchwood Village	1180	5.3	5	852	0	0	0	0	275	0	0	0	0	53	27	0	0	9
Cottage Grove	2086	0.2	1	635	0	0	0	0	635	0	0	0	91	816	91	91	0	181
Dellwood	2963	4.2	<1	1363	26	0	0	26	1468	26	0	0	52	131	0	0	0	0
Forest Lake	32871	2.2	10	16550	0	0	0	2758	11953	690	0	230	3678	4367	460	0	0	690
Grant	30934	4.0	2	20584	115	1610	575	2070	9315	345	0	230	1150	1035	230	0	0	0
Hugo	2330	0.4	2	709	0	0	0	0	1317	0	0	0	0	304	101	0	0	0
Lake Elmo	12898	1.6	NR	5501	0	0	0	0	6544	0	95	0	95	854	0	0	0	95
Lake Saint Croix	3376	9.5	15	1268	18	0	0	0	1469	46	0	0	128	639	82	0	0	18
Lakeland Shores	3895	20.4	20	1999	7	0	0	0	1473	14	0	0	7	423	14	0	0	7
Landfall	87	1.9	4	21	0	0	0	0	47	0	0	0	0	19	0	0	0	0
Mahtomedi	7929	3.5	8	4910	0	0	0	0	2157	33	0	0	0	863	33	0	0	33
Marine on Saint	1253	3.0	1	557	25	25	0	0	570	25	13	0	25	127	0	0	0	13
Newport	7578	5.7	20	2880	0	0	0	0	2955	0	0	0	101	1743	51	0	25	25
Oak Park Heights	663	0.3	1	47	0	0	0	0	427	0	0	0	0	190	0	0	0	0
Oakdale	4059	0.6	1	1147	0	0	0	0	1765	0	0	0	0	1147	0	0	88	0
Pine Springs	1332	4.5	3	789	0	0	10	19	495	0	10	0	38	48	0	0	0	0
Saint Marys Point	3499	14.2	10	1537	0	0	0	0	1626	59	0	0	276	335	20	0	0	0
Saint Paul Park	5302	3.7	20	2370	0	0	0	0	1833	0	0	0	0	1100	0	0	24	0

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Stillwater	9038	1.9	2	3107	0	0	0	0	4449	71	0	0	212	1483	212	0	0	0
Willernie	823	9.7	5	511	0	0	0	3	247	0	0	0	10	65	3	0	7	0
Woodbury	7114	0.5	NR	3130	0	0	0	0	3225	0	0	0	379	759	0	0	0	95
Washington	184482	2.0	3.1%	85472	480	1635	585	588	78707	1598	118	605	820	20306	1469	91	323	132
Watsonwan																		
Butterfield	35	0.1	.5	9	0	0	0	0	0	0	0	0	0	26	0	0	0	0
Darfur	39	0.5	2	0	0	0	0	0	28	0	0	0	0	12	0	0	0	0
La Salle	4	0.1	.5	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0
Lewisville	72	0.8	1	31	0	0	0	0	13	0	0	0	0	27	0	0	0	0
Madelia	316	0.5	1	127	0	0	0	51	127	13	0	0	25	63	0	0	0	0
Odin	22	0.3	.5	8	0	0	0	0	5	0	0	0	0	8	3	0	0	3
Ormsby	5	0.1	.01	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
Saint James	401	0.4	2	108	0	0	0	0	201	15	0	0	0	93	0	0	0	0
Watsonwan	894	0.4	0.7%	283	0	0	0	51	374	28	0	0	25	238	3	0	0	3

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Wilkin																		
Breckenridge	599	0.9	1	56	0	0	0	0	56	0	0	0	0	488	0	0	0	0
Campbell	245	1.6	2	95	0	0	0	0	95	0	0	0	0	54	0	0	0	0
Doran	48	1.1	1	38	0	0	0	0	5	0	0	0	0	5	0	0	0	0
Foxhome	353	2.4	5	158	0	0	0	0	162	0	0	0	4	33	0	0	0	0
Kent	65	1.3	2	13	0	0	0	0	21	0	0	0	0	31	2	0	2	2
Nashua	330	5.0	8	174	0	0	0	0	122	5	0	2	0	34	2	0	0	0
Rothsay	329	1.8	2	158	0	0	0	0	76	0	0	0	0	95	0	0	0	0
Tenney	25	1.6	5	15	1	0	0	0	8	1	0	0	0	1	1	0	0	0
Wolverton	61	1.3	1	20	0	0	0	0	16	0	0	0	0	26	0	0	0	0
Wilkin	2055	1.5	1.8%	727	1	0	0	0	561	6	0	2	4	767	5	0	2	2

Urban Elm Populations, by Size Class and County

County		All Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Winona																			
Altura		8	0.1	1	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dakota		12	0.1	1	0	0	0	0	0	8	0	0	0	0	4	0	0	0	0
Elba		290	3.0	5	212	0	0	0	0	64	0	0	0	4	14	0	0	0	0
Goodview		121	0.1	1	17	0	0	0	0	0	0	0	0	0	104	0	0	0	0
Lewiston		8	0.0	1	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0
Minnesota City		44	0.3	1	17	0	0	0	0	26	0	0	0	0	0	0	0	0	0
Rollingstone		22	0.1	1	7	0	0	0	0	14	0	0	0	0	0	0	0	0	0
Saint Charles		154	0.2	1	110	0	0	0	0	22	0	0	0	0	22	0	0	0	0
Stockton		154	0.6	1	103	0	0	0	0	10	10	0	0	0	41	0	0	0	0
Utica		4	0.0	1	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
Winona		2250	0.3	1	1456	0	0	0	0	0	0	0	0	0	794	0	0	0	0
Winona		3067	0.3	1.1%	1930	0	0	0	0	148	10	0	0	4	987	0	0	0	0

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Wright																		
Albertville	85	0.1	.01	28	0	0	0	0	56	0	0	0	0	0	0	0	0	0
Annandale	339	0.5	2	57	0	0	0	0	151	0	0	0	0	132	0	0	0	0
Buffalo	4086	1.5	10	1845	0	0	0	0	1757	132	0	0	439	483	0	0	0	0
Clearwater	1267	4.4	15	297	0	0	0	0	587	14	0	0	35	382	14	0	0	21
Cokato	215	0.4	5	121	0	0	0	0	40	0	0	0	0	54	0	0	0	0
Delano	1245	1.2	5	249	0	0	0	83	747	0	0	0	360	249	0	0	0	28
Hanover	6683	4.0	5	3553	0	0	0	0	2369	42	42	0	254	761	127	0	0	127
Howard Lake	603	1.4	5	134	0	0	0	0	357	0	0	0	11	112	11	0	0	0
Monticello	4686	1.5	7	1674	0	0	0	0	1960	0	191	0	0	1052	0	0	48	0
Montrose	2209	5.8	5	1009	0	0	0	0	1170	15	0	0	366	29	0	0	0	0
Otsego	27518	4.0	3	10768	0	0	109	0	10442	0	0	0	0	6309	0	0	0	0
Rockford	1746	2.2	8	821	0	0	0	0	733	0	0	17	70	192	0	0	0	0
Saint Michael	1570	0.4	2	480	44	0	0	0	698	44	0	0	0	392	0	0	0	0
South Haven	176	2.3	5	5	0	0	0	0	90	0	0	0	5	81	5	0	0	10
Waverly	120	0.4	5	38	6	0	0	19	76	13	0	0	0	6	0	0	0	0
Wright	52548	2.2	2.4%	21079	50	0	109	102	21233	260	233	17	154	10234	157	0	48	186

Urban Elm Populations, by Size Class and County

County		All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")					
Municipality	Population	Trees	Estimated	Die					Die					Die					
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Yellow Medicine																			
Canby	149	0.3	1	0	0	0	0	0	21	0	0	0	0	128	11	0	0	0	
Clarkfield	421	1.4	2	131	0	0	0	0	189	7	0	0	0	102	0	0	0	7	
Echo	151	1.3	1	99	0	0	0	0	5	0	0	0	0	47	0	0	0	0	
Granite Falls	2254	2.1	2	661	0	0	0	0	441	0	0	0	0	1151	0	0	98	98	
Hanley Falls	127	1.1	1	5	0	0	0	0	76	0	0	0	10	46	0	0	0	5	
Hazel Run	44	0.8	1	7	0	0	0	0	37	0	0	0	0	0	0	0	0	0	
Porter	122	0.9	2	70	0	0	0	0	39	0	0	0	17	13	0	0	0	0	
Saint Leo	18	0.4	1	0	0	0	0	0	6	0	0	0	0	12	0	0	0	0	
Wood Lake	50	0.4	1	35	0	0	0	0	10	0	0	0	0	5	0	0	0	0	
Yellow Medicine	3336	1.4	1.7%	1008	0	0	0	0	824	7	0	0	27	1504	11	0	98	110	

Statewide Urban Elm Populations, by Size Class

	All Classes		Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")					
	Population	Trees	Estimated	Die					Die					Die				
		Per Acre	%	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
MINNESOTA	1423088	1.6	2.70%	595736	1826	3345	1874	17837	463693	6398	1274	3406	25662	363674	11212	1762	4191	5467

Municipal Acreage and Sampling Fractions, by County

Municipalities Residential/Commercial Zones Actual Sample Strips											
County	Sampled	Not Sampled	Total Acres	As % of County	Total Acres	As % of County	As % of Municipalities	Total Acres	As % of County	As % of Municipality	As % of Res/Com Zone
Aitkin	5	1	5813	0.46%	1102	0.09%	18.96%	159	0.01%	2.74%	14.43%
Anoka	18		209196	73.38%	122169	42.86%	58.40%	1544	0.54%	0.74%	1.26%
Becker	5		10643	1.15%	8378	0.91%	78.72%	180	0.02%	1.69%	2.15%
Beltrami	5		19444	0.99%	4590	0.23%	23.61%	184	0.01%	0.95%	4.01%
Benton	5		8824	3.34%	3584	1.36%	40.61%	186	0.07%	2.11%	5.19%
Big Stone	8		5374	1.59%	2224	0.66%	41.38%	203	0.06%	3.78%	9.13%
Blue Earth	11		14628	2.99%	12491	2.55%	85.39%	442	0.09%	3.02%	3.54%
Brown	7		9810	2.48%	5141	1.30%	52.40%	252	0.06%	2.57%	4.90%
Carlton	9		32300	5.77%	7788	1.39%	24.11%	277	0.05%	0.86%	3.56%
Carver	11		38069	15.83%	19610	8.16%	51.51%	457	0.19%	1.20%	2.33%
Cass	12	2	25007	1.62%	6791	0.44%	27.16%	388	0.03%	1.55%	5.71%
Chippewa	5		5261	1.40%	2343	0.62%	44.54%	186	0.05%	3.54%	7.94%
Chisago	10		46716	16.51%	13169	4.65%	28.19%	417	0.15%	0.89%	3.17%
Clay	11		18095	2.68%	9107	1.35%	50.33%	425	0.06%	2.35%	4.67%
Clearwater	4		3261	0.49%	922	0.14%	28.28%	103	0.02%	3.16%	11.17%
Cook	1		1712	0.17%	796	0.08%	46.50%	52	0.01%	3.04%	6.53%
Cottonwood	6		4692	1.13%	2596	0.63%	55.33%	197	0.05%	4.20%	7.59%
Crow Wing	16		134424	18.17%	25422	3.44%	18.91%	772	0.10%	0.57%	3.04%
Dakota	17	1	150551	40.15%	99025	26.41%	65.78%	1202	0.32%	0.80%	1.21%
Dodge	6		6051	2.15%	2854	1.02%	47.17%	236	0.08%	3.90%	8.27%
Douglas	10		11481	2.49%	4193	0.91%	36.52%	348	0.08%	3.03%	8.30%
Faribault	11		8262	1.79%	3199	0.69%	38.72%	369	0.08%	4.47%	11.53%
Fillmore	14		31736	5.75%	4147	0.75%	13.07%	448	0.08%	1.41%	10.80%
Freeborn	14		12120	2.62%	5073	1.10%	41.86%	392	0.08%	3.23%	7.73%
Goodhue	9		36062	7.23%	7723	1.55%	21.41%	347	0.07%	0.96%	4.49%
Grant	7		6704	1.82%	1451	0.39%	21.64%	189	0.05%	2.82%	13.03%
Hennepin	16	25	368964	95.07%	62895	16.21%	17.05%	999	0.26%	0.27%	1.59%

Municipal Acreage and Sampling Fractions, by County

Municipalities		Residential/Commercial Zones			Actual Sample Strips						
County	Sampled	Not Sampled	Total Acres	As % of County	Total Acres	As % of County	As % of Municipalities	Total Acres	As % of County	As % of Municipality	As % of Res/Com Zone
Houston	7		7147	1.96%	2418	0.66%	33.83%	268	0.07%	3.75%	11.08%
Hubbard	4		5898	0.92%	1901	0.30%	32.24%	137	0.02%	2.32%	7.21%
Isanti	3		6109	2.12%	2344	0.81%	38.37%	157	0.05%	2.57%	6.70%
Itasca	14	1	57909	3.09%	11352	0.61%	19.60%	464	0.02%	0.80%	4.09%
Jackson	6		4694	1.02%	1956	0.43%	41.68%	210	0.05%	4.47%	10.73%
Kanabec	4		4428	1.30%	1065	0.31%	24.05%	122	0.04%	2.75%	11.45%
Kandiyohi	11		13744	2.49%	5015	0.91%	36.49%	351	0.06%	2.55%	7.00%
Kittson	9		5659	0.80%	1342	0.19%	23.71%	240	0.03%	4.24%	17.89%
Koochiching	5		11791	0.58%	2181	0.11%	18.50%	170	0.01%	1.44%	7.79%
Lac Qui Parle	7		2667	0.54%	1290	0.26%	48.39%	196	0.04%	7.35%	15.19%
Lake	3		7720	0.53%	1386	0.09%	17.95%	131	0.01%	1.70%	9.45%
Lake of the Woods	2		2788	0.24%	591	0.05%	21.18%	85	0.01%	3.05%	14.39%
Le Sueur	9		8869	2.93%	3064	1.01%	34.54%	315	0.10%	3.55%	10.28%
Lincoln	5		5724	1.63%	1141	0.32%	19.94%	167	0.05%	2.92%	14.63%
Lyon	11		12128	2.62%	4124	0.89%	34.00%	368	0.08%	3.03%	8.92%
Mahnomen	3		1403	0.38%	462	0.12%	32.91%	92	0.02%	6.56%	19.93%
Marshall	11		4907	0.42%	1725	0.15%	35.16%	327	0.03%	6.66%	18.95%
Martin	9		13844	2.97%	3846	0.82%	27.78%	322	0.07%	2.33%	8.37%
McLeod	9		9303	2.88%	4648	1.44%	49.96%	326	0.10%	3.50%	7.01%
Meeker	9		7788	1.89%	2541	0.62%	32.63%	270	0.07%	3.47%	10.62%
Mille Lacs	8		8532	1.96%	2412	0.55%	28.27%	258	0.06%	3.02%	10.70%
Morrison	13		24289	3.29%	3611	0.49%	14.87%	378	0.05%	1.56%	10.47%
Mower	14		12766	2.81%	5112	1.12%	40.05%	410	0.09%	3.21%	8.02%
Murray	9		5036	1.09%	1561	0.34%	31.00%	173	0.04%	3.44%	11.08%
Nicollet	5		9754	3.27%	4846	1.62%	49.68%	201	0.07%	2.06%	4.15%
Nobles	10		10017	2.17%	3324	0.72%	33.18%	279	0.06%	2.79%	8.39%
Norman	8		2445	0.44%	1191	0.21%	48.71%	252	0.04%	10.31%	21.16%

Municipal Acreage and Sampling Fractions, by County

Municipalities Residential/Commercial Zones Actual Sample Strips											
County	Sampled	Not Sampled	Total Acres	As % of County	Total Acres	As % of County	As % of Municipalities	Total Acres	As % of County	As % of Municipality	As % of Res/Com Zone
Olmsted	6		35847	8.56%	22745	5.43%	63.45%	368	0.09%	1.03%	1.62%
Otter Tail	20		29046	2.04%	7015	0.49%	24.15%	607	0.04%	2.09%	8.65%
Pennington	3		3852	0.97%	1697	0.43%	44.05%	105	0.03%	2.73%	6.19%
Pine	13		45939	5.01%	3252	0.35%	7.08%	373	0.04%	0.81%	11.47%
Pipestone	9		8868	2.97%	2027	0.68%	22.86%	266	0.09%	3.00%	13.12%
Polk	15		14723	1.15%	4680	0.37%	31.79%	458	0.04%	3.11%	9.79%
Pope	8		7039	1.53%	1628	0.35%	23.13%	232	0.05%	3.30%	14.25%
Ramsey	15	1	101224	93.09%	51093	46.99%	50.48%	958	0.88%	0.95%	1.88%
Red Lake	4		4312	1.56%	889	0.32%	20.62%	136	0.05%	3.15%	15.29%
Redwood	15		9497	1.68%	2725	0.48%	28.70%	439	0.08%	4.62%	16.11%
Renville	10		8331	1.32%	2588	0.41%	31.07%	334	0.05%	4.01%	12.90%
Rice	6		16600	5.03%	6830	2.07%	41.14%	283	0.09%	1.70%	4.14%
Rock	7		5594	1.81%	1502	0.49%	26.85%	176	0.06%	3.15%	11.72%
Roseau	6		6149	0.57%	1453	0.14%	23.62%	192	0.02%	3.12%	13.22%
Scott	7	1	47088	19.99%	28320	12.03%	60.14%	369	0.16%	0.78%	1.30%
Sherburne	5		39260	13.62%	31257	10.84%	79.62%	295	0.10%	0.75%	0.94%
Sibley	7		4461	1.16%	4461	1.16%	100.00%	224	0.06%	5.02%	5.02%
St. Louis	23	1	388870	9.02%	57368	1.33%	14.75%	1225	0.03%	0.32%	2.14%
Stearns	26		96335	10.83%	19072	2.14%	19.80%	973	0.11%	1.01%	5.10%
Steele	4		9995	3.62%	5167	1.87%	51.70%	205	0.07%	2.05%	3.97%
Stevens	5		5847	1.59%	1536	0.42%	26.27%	167	0.05%	2.86%	10.87%
Swift	8		7214	1.50%	1956	0.41%	27.12%	243	0.05%	3.37%	12.42%
Todd	8		6582	1.05%	1781	0.28%	27.06%	243	0.04%	3.69%	13.64%
Traverse	4		2375	0.63%	828	0.22%	34.89%	133	0.04%	5.60%	16.06%
Wabasha	9		12464	3.55%	3117	0.89%	25.01%	310	0.09%	2.49%	9.95%
Wadena	6		12011	3.46%	2858	0.82%	23.80%	208	0.06%	1.73%	7.28%
Waseca	4		4374	1.58%	2190	0.79%	50.06%	139	0.05%	3.18%	6.35%

Municipal Acreage and Sampling Fractions, by County

		Municipalities			Residential/Commercial Zones			Actual Sample Strips			
County	Sampled	Not Sampled	Total Acres	As % of County	Total Acres	As % of County	As % of Municipalities	Total Acres	As % of County	As % of Municipality	As % of Res/Com Zone
Washington	23		173789	64.13%	91605	33.81%	52.71%	1268	0.47%	0.73%	1.38%
Watonwan	8		3599	1.28%	2180	0.78%	60.58%	237	0.08%	6.58%	10.87%
Wilkin	9		6047	1.26%	1358	0.28%	22.45%	244	0.05%	4.04%	17.97%
Winona	11		25007	6.09%	10435	2.54%	41.73%	362	0.09%	1.45%	3.47%
Wright	15	1	69408	15.18%	24428	5.34%	35.19%	706	0.15%	1.02%	2.89%
Yellow Medicine	9		7555	1.55%	2441	0.50%	32.30%	272	0.06%	3.60%	11.14%

Statewide Municipal Acreage and Sampling Fractions

		Municipalities			Residential/Commercial Zones			Actual Sample Strips			
State	Sampled	Not Sampled	Total Acres	As % of State	Total Acres	As % of State	As % of All Municipalities	Total Acres	As % of State	As % of All Municipalities	As % of All Res/Com Zones
MINNESOTA	789	34	2711864	5.02%	917715	1.70%	33.84%	30373	0.06%	1.12%	3.31%

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")					
Municipality	Population	Trees	Estimated	Die					Die					Die					
	Per Acre	% *		Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Becker																			
Audubon																			
1st Observation	815	4.2	15	189	0	0	0	0	272	0	0	0	0	355	0	0	0	0	
2nd Observation	1034	5.3	10	309	0	0	0	0	453	0	0	0	0	272	0	0	0	0	
Difference	21.2%		-50%	39%					40%					-31%					
Beltrami																			
Bemidji																			
1st Observation	9762	2.8	10	1281	0	0	0	0	6894	488	0	0	61	976	61	0	0	0	
2nd Observation	9457	2.7	NR	5308	0	0	0	0	3661	122	0	0	0	366	0	0	0	0	
Difference	-3.2%			76%					-88%	-300%				-167%					
Kelliher																			
1st Observation	175	0.6	1	66	0	0	0	0	44	0	0	0	0	66	0	0	0	0	
2nd Observation	449	1.4	10	329	0	0	0	0	44	0	0	0	0	77	0	0	0	0	
Difference	61.0%		90%	80%					0%					14%					
Wilton																			
1st Observation	36	0.2	>1	6	0	0	0	0	24	0	0	0	0	0	0	0	0	0	6
2nd Observation	24	0.1	NR	18	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0
Difference	-50.0%			67%					-300%										
Big Stone																			
Graceville																			
1st Observation	1889	6.8	5	416	9	0	0	0	806	9	0	0	0	624	26	0	0	0	
2nd Observation	2331	8.4	20	433	0	0	0	0	685	52	0	0	0	953	208	0	0	0	
Difference	19.0%		75%	4%					-18%	83%				35%	88%				

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Cass																		
Bena																		
1st Observation	24	0.2	<1	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2nd Observation	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Difference																		
Clay																		
Hitterdal																		
1st Observation	478	5.6	NR	275	0	0	0	0	122	0	0	0	0	81	0	0	0	0
2nd Observation	640	7.5	20	221	0	0	0	0	298	0	0	0	0	117	5	0	0	0
Difference																		
	25.3%			-24%					59%					31%	100%			
Cottonwood																		
Bingham Lake																		
1st Observation	490	3.2	10	53	0	0	0	0	176	16	0	0	0	218	27	0	0	0
2nd Observation	511	3.3	5	101	0	0	0	0	170	0	0	0	0	234	5	0	0	0
Difference																		
	4.1%		-100%	48%					-4%					7%	-440%			
Dodge																		
Kasson																		
1st Observation	1495	1.5	10	303	20	0	0	0	748	20	0	0	0	384	20	0	0	0
2nd Observation	1253	1.2	3	283	20	0	0	0	424	20	0	0	0	485	20	0	0	0
Difference																		
	-19.3%		-233%	-7%	0%				-76%	0%				21%	0%			

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Douglas																		
Brandon																		
1st Observation	550	3.3	7	13	0	0	0	0	209	0	0	0	0	329	0	0	0	0
2nd Observation	720	4.4	10	51	0	0	0	0	272	6	0	0	0	360	32	0	0	0
Difference	23.6%		30%	75%					23%	100%				9%	100%			
Miltona																		
1st Observation	394	2.3	10	176	0	0	0	0	167	0	0	0	0	51	0	0	0	0
2nd Observation	431	2.5	5	157	0	0	0	0	194	0	0	0	0	79	0	0	0	0
Difference	8.6%		-100%	-12%					14%					35%				
Freeborn																		
Albert Lea																		
1st Observation	11918	3.3	20	680	0	0	0	0	4079	40	0	0	0	6639	480	0	0	0
2nd Observation	12798	3.5	15	1120	0	0	0	0	3159	40	0	0	0	7839	480	40	120	0
Difference	6.9%		-33%	39%					-29%	0%				15%	0%	100%	100%	
Grant																		
Ashby																		
1st Observation	499	3.4	3	136	0	0	0	0	152	10	0	0	0	189	5	0	0	5
2nd Observation	635	4.3	8	194	0	0	0	0	210	0	0	0	0	210	21	0	0	0
Difference	21.4%		63%	30%					28%					10%	76%			
Jackson																		
Lakefield																		
1st Observation	2168	4.4	15	323	0	0	0	0	781	54	0	0	0	943	67	0	0	0
2nd Observation	2087	4.2	7	108	0	0	0	0	741	0	0	0	0	1104	135	0	0	0
Difference	-3.9%		-114%	-199%					-5%					15%	50%			

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Kandiyohi																		
Sunburg																		
1st Observation	91	2.4	15	36	0	0	0	0	23	0	0	0	0	32	0	0	0	0
2nd Observation	166	4.3	5	80	0	0	0	0	52	0	0	0	0	34	0	0	0	0
Difference	45.2%		-200%	55%					56%					6%				
Kittson																		
Kennedy																		
1st Observation	670	5.6	5	173	0	0	0	0	253	13	0	0	0	208	22	0	0	0
2nd Observation	875	7.4	10	285	3	0	0	0	346	10	0	0	0	218	13	0	0	0
Difference	23.4%		50%	39%	100%				27%	-30%				5%	-69%			
Saint Vincent																		
1st Observation	151	1.4	1	76	0	0	0	0	62	0	0	0	0	13	0	0	0	0
2nd Observation	378	3.4	5	298	0	0	0	0	71	0	0	0	0	4	4	0	0	0
Difference	60.1%		80%	74%					13%					-225%	100%			
Koochiching																		
Northome																		
1st Observation	131	1.1	5	10	0	0	0	0	78	0	0	0	0	42	0	0	0	0
2nd Observation	188	1.6	5	125	0	0	0	0	31	0	0	0	0	31	0	0	0	0
Difference	30.3%		0%	92%					-152%					-35%				
Lake																		
Silver Bay																		
1st Observation	3058	5.1	10	72	0	0	12	0	1223	0	12	0	0	1739	0	0	0	0
2nd Observation	3418	5.7	35	276	0	0	0	0	1091	12	0	0	0	2039	0	0	0	0
Difference	10.5%		71%	74%					-12%	100%				15%				

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Lake of the Woods																		
Williams																		
1st Observation	181	1.8	2	33	0	0	0	0	81	0	0	0	0	64	3	0	0	0
2nd Observation	351	3.4	8	164	0	0	0	0	89	0	0	0	0	97	0	0	0	0
Difference	48.4%		75%	80%					9%					34%				
Lincoln																		
Tyler																		
1st Observation	2949	7.0	20	567	0	0	10	0	672	21	0	0	0	1637	42	0	0	0
2nd Observation	2434	5.8	8	294	0	0	0	0	472	21	0	0	0	1469	178	0	0	0
Difference	-21.2%		-150%	-93%					-42%	0%				-11%	76%			
Marshall																		
Oslo																		
1st Observation	263	2.1	1	48	0	0	0	0	83	0	0	0	0	132	0	0	0	0
2nd Observation	425	3.5	8	110	0	0	0	0	189	4	0	0	0	105	18	0	0	0
Difference	38.1%		88%	56%					56%	100%				-26%	100%			
Martin																		
Sherburn																		
1st Observation	1031	3.5	15	392	0	0	0	0	205	0	0	0	0	426	9	0	0	0
2nd Observation	955	3.2	NR	256	0	0	0	0	230	9	0	0	0	452	9	0	0	0
Difference	-8.0%			-53%					11%	100%				6%	0%			
Truman																		
1st Observation	1510	5.6	20	36	0	0	0	0	422	14	0	0	0	1024	14	0	0	0
2nd Observation	1267	4.7	5	64	0	0	0	0	387	7	0	0	0	780	21	7	0	0
Difference	-19.2%		-300%	44%					-9%	-100%				-31%	33%	100%		

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
McLeod																		
Biscay																		
1st Observation	138	4.6	2	9	0	0	0	0	75	0	0	0	0	54	0	0	0	0
2nd Observation	151	5.1	30	24	0	0	0	0	49	0	0	0	0	78	0	0	0	0
Difference	8.6%		93%	63%					-53%					31%				
Hutchinson																		
1st Observation	11031	4.6	10	263	0	0	0	0	4149	99	0	0	0	6158	329	0	0	33
2nd Observation	7277	3.0	20	362	0	0	0	0	1218	0	0	0	0	5367	329	0	0	0
Difference	-51.6%		50%	27%					-241%					-15%	0%			
Lester Prairie																		
1st Observation	873	3.6	5	135	0	0	0	0	459	8	0	0	0	271	0	0	0	0
2nd Observation	1015	4.2	NR	218	0	0	0	0	602	8	0	0	0	188	0	0	0	0
Difference	14.0%			38%					24%	0%				-44%				
Silver Lake																		
1st Observation	605	3.5	1	5	0	0	0	0	187	0	0	0	0	412	0	0	0	0
2nd Observation	262	1.5	15	21	0	0	0	0	59	5	0	0	0	177	0	0	0	0
Difference	-130.9%		93%	76%					-217%	100%				-133%				

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Meeker																		
Cedar Mills																		
1st Observation	94	3.5	7	49	0	0	0	0	6	0	0	0	0	36	3	0	0	0
2nd Observation	162	6.1	25	91	0	0	0	0	32	0	0	0	0	39	0	0	0	0
Difference	42.0%		72%	46%					81%					8%				
Cosmos																		
1st Observation	1668	9.8	25	94	6	0	0	0	619	12	0	0	0	890	47	0	0	0
2nd Observation	1615	9.4	50	218	0	0	0	0	625	6	0	0	0	754	12	0	0	0
Difference	-3.3%		50%	57%					1%	-100%				-18%	-292%			
Grove City																		
1st Observation	941	6.7	10	49	0	0	0	0	340	0	0	0	0	553	0	0	0	0
2nd Observation	1032	7.4	35	67	0	0	0	0	261	0	0	0	0	698	6	0	0	0
Difference	8.8%		71%	27%					-30%					21%	100%			
Litchfield																		
1st Observation	5389	4.0	25	348	0	0	0	0	1874	77	0	0	0	3052	39	0	0	0
2nd Observation	6471	4.8	NR	1140	0	0	0	0	2009	0	0	0	0	3264	58	0	0	0
Difference	16.7%			69%					7%					6%	33%			

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")					
Municipality	Population	Trees	Estimated	Die					Die					Die					
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Mille Lacs																			
Foreston																			
1st Observation	398	2.7	5	105	0	0	0	0	128	0	0	0	0	158	0	0	0	0	8
2nd Observation	210	1.4	5	0	0	0	0	0	30	15	0	0	0	165	0	0	0	0	0
Difference	-89.5%		0%						-327%	100%				4%					
Wahkon																			
1st Observation	2250	8.6	>10	1261	0	0	0	0	575	10	0	10	0	373	20	0	0	0	0
2nd Observation	2704	10.3	15	1584	0	0	0	0	656	0	0	0	0	464	0	0	0	0	0
Difference	16.8%		33%	20%					12%					20%					
Morrison																			
Little Falls																			
1st Observation	3526	2.1	11	1045	0	0	0	0	1480	0	0	0	0	1001	0	0	0	0	0
2nd Observation	5289	3.1	5	1632	44	0	22	0	2655	44	0	0	0	892	0	0	0	0	0
Difference	33.3%		-120%	36%	100%		100%		44%	100%				-12%					

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Mower																		
Adams																		
1st Observation	638	3.5	5	0	0	0	0	0	205	0	0	0	0	417	15	0	0	0
2nd Observation	630	3.5	5	38	0	0	0	0	213	0	0	0	0	380	0	0	0	0
Difference	-1.3%		0%	100%					4%					-10%				
Lyle																		
1st Observation	782	5.2	20	28	0	0	0	0	211	0	0	0	0	532	11	0	0	0
2nd Observation	826	5.5	5	78	0	0	0	0	261	0	6	0	0	455	22	0	6	0
Difference	5.3%		-300%	64%					19%		100%			-17%	50%		100%	
Sargeant																		
1st Observation	86	2.1	10	7	0	0	0	0	44	0	0	0	0	35	0	0	0	0
2nd Observation	103	2.5	3	31	0	0	0	0	40	0	0	0	0	31	0	0	0	0
Difference	16.5%		-233%	77%					-10%					-13%				
Taopi																		
1st Observation	84	2.2	3	40	0	0	0	0	40	0	0	0	0	3	0	0	0	0
2nd Observation	49	1.3	3	32	0	0	0	0	17	0	0	0	0	0	0	0	0	0
Difference	-71.4%		0%	-25%					-135%									
Norman																		
Twin Valley																		
1st Observation	1334	5.0	3	350	6	0	0	0	557	0	0	0	0	421	0	0	0	0
2nd Observation	1879	7.0	20	421	12	6	0	0	842	0	0	0	0	563	36	0	0	0
Difference	29.0%		85%	17%	50%	100%			34%					25%	100%			

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Olmsted																		
Oronoco																		
1st Observation	581	1.2	NR	106	0	0	0	0	304	0	0	0	0	172	0	0	0	0
2nd Observation	739	1.5	5	264	0	0	0	0	238	0	0	0	0	238	0	0	0	0
Difference	21.4%			60%					-28%					28%				
Rochester																		
1st Observation	53557	2.6	4	2056	0	0	0	0	13589	114	0	0	0	37684	114	0	0	0
2nd Observation	69545	3.4	5	19756	0	0	0	0	14617	0	0	0	0	33687	1370	0	0	114
Difference	23.0%		20%	90%					7%					-12%	92%			100%
Otter Tail																		
Urbank																		
1st Observation	84	1.9	3	22	0	0	0	0	33	0	0	0	0	29	0	0	0	0
2nd Observation	117	2.7	3	40	0	0	0	0	44	2	0	0	0	26	4	0	0	0
Difference	28.2%		0%	45%					25%	100%				-12%	100%			
Vergas																		
1st Observation	89	0.6	<1	24	0	0	0	0	49	0	0	0	0	16	0	0	0	0
2nd Observation	267	1.7	10	138	0	0	0	0	81	0	0	0	0	49	0	0	0	0
Difference	66.7%		90%	83%					40%					67%				

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Pine																		
Rock Creek																		
1st Observation	110	0.2	4	24	0	0	0	0	61	0	0	0	0	24	0	0	0	0
2nd Observation	135	0.2	1	12	0	0	0	0	122	0	0	0	0	0	0	0	0	0
Difference	18.5%		-300%	-100%					50%									
Sandstone																		
1st Observation	472	1.1	2	182	0	0	0	0	172	0	0	0	0	109	9	0	0	0
2nd Observation	345	0.8	5	145	0	0	0	0	118	0	0	0	0	73	9	0	0	0
Difference	-36.8%		60%	-26%					-46%					-49%	0%			
Polk																		
Fertile																		
1st Observation	1034	3.9	4	283	7	7	0	0	439	0	0	0	0	290	7	0	0	0
2nd Observation	1198	4.5	15	283	0	0	7	0	476	0	0	0	0	409	22	0	0	0
Difference	13.7%		73%	0%			100%		8%					29%	68%			
Redwood																		
Revere																		
1st Observation	206	3.9	8	36	0	0	0	0	61	3	0	0	0	104	3	0	0	0
2nd Observation	201	3.8	7	36	0	0	0	0	58	3	0	0	0	102	3	0	0	0
Difference	-2.5%		-14%	0%					-5%	0%				-2%	0%			

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Renville																		
Danube																		
1st Observation	1075	9.0	10	73	0	0	0	0	209	10	0	0	0	699	83	0	0	0
2nd Observation	986	8.2	10	94	0	0	0	0	344	5	0	0	0	532	10	0	0	0
Difference	-9.0%		0%	22%					39%	-100%				-31%	-730%			
Morton																		
1st Observation	909	6.2	30	80	0	0	0	0	454	0	0	0	0	369	6	0	0	0
2nd Observation	949	6.4	8	216	0	0	0	0	494	0	0	0	0	222	17	0	0	0
Difference	4.2%		-275%	63%					8%					-66%	65%			
Olivia																		
1st Observation	3354	5.6	20	206	13	0	0	0	1208	13	0	0	0	1902	13	0	0	0
2nd Observation	3675	6.1	5	411	13	0	0	0	1670	13	13	0	0	1413	128	13	0	0
Difference	8.7%		-300%	50%	0%				28%	0%	100%			-35%	90%	100%		
Sherburne																		
Clear Lake																		
1st Observation	65	0.4	1	11	0	0	0	0	43	0	0	0	0	11	0	0	0	0
2nd Observation	238	1.6	3	43	0	5	0	0	92	0	11	5	0	76	5	0	0	0
Difference	72.7%		67%	74%		100%			53%		100%	100%		86%	100%			
Zimmerman																		
1st Observation	860	1.2	3	386	18	0	18	0	333	0	0	0	0	105	0	0	0	0
2nd Observation	597	0.8	2	140	0	0	35	0	351	0	0	0	0	70	0	0	0	0
Difference	-44.1%		-50%	-176%			49%		5%					-50%				

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
St. Louis																		
Floodwood																		
1st Observation	317	2.1	10	212	0	0	0	0	63	0	0	0	0	42	0	0	0	0
2nd Observation	767	5.2	3	550	0	0	0	0	185	0	0	0	0	32	0	0	0	0
Difference	58.7%		-233%	61%					66%					-31%				
Stearns																		
Rockville																		
1st Observation	3269	3.9	15	1362	0	0	0	0	1211	0	0	0	0	696	0	0	0	0
2nd Observation	4570	5.4	8	1301	0	30	0	30	1665	0	0	0	0	1423	121	0	0	0
Difference	28.5%		-88%	-5%		100%		100%	27%					51%	100%			
Steele																		
Medford																		
1st Observation	598	3.0	10	33	0	0	0	0	299	0	0	0	0	259	7	0	0	0
2nd Observation	605	3.0	10	20	0	0	0	0	239	0	0	0	0	326	20	0	0	0
Difference	1.2%		0%	-65%					-25%					21%	65%			
Owatonna																		
1st Observation	8823	2.0	25	1434	0	0	0	0	3173	0	0	0	0	4129	87	0	0	0
2nd Observation	11039	2.5	25	1391	43	43	0	43	3564	43	0	0	0	5650	261	0	0	0
Difference	20.1%		0%	-3%	100%	100%		100%	11%	100%				27%	67%			
Stevens																		
Alberta																		
1st Observation	289	7.1	7	57	0	0	0	0	165	0	0	0	0	66	2	0	0	0
2nd Observation	369	9.1	12	97	0	0	0	0	133	7	0	0	0	124	7	0	0	0
Difference	21.7%		42%	41%					-24%	100%				47%	71%			

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Todd																		
Burtrum																		
1st Observation	43	0.5	2	8	0	0	0	0	31	0	0	0	0	4	0	0	0	0
2nd Observation	55	0.7	1	12	0	0	0	0	39	0	0	0	0	4	0	0	0	0
Difference	21.8%		-100%	33%					21%					0%				
Waseca																		
Waldorf																		
1st Observation	143	1.6	10	0	0	0	0	0	46	0	0	0	0	97	0	0	0	0
2nd Observation	150	1.7	8	0	0	0	0	0	61	0	0	0	0	89	0	0	0	0
Difference	4.7%		-25%						25%					-9%				
Watsonwan																		
Odin																		
1st Observation	247	3.8	8	49	0	0	0	0	82	0	0	0	0	113	3	0	0	0
2nd Observation	220	3.3	5	25	0	0	0	0	85	0	0	0	0	107	0	3	0	0
Difference	-12.3%		-60%	-96%					4%					-6%		100%		
Wilkin																		
Breckenridge																		
1st Observation	5073	7.7	10	1031	0	0	0	0	1993	28	0	0	0	1993	28	0	0	0
2nd Observation	6355	9.7	25	934	0	0	0	0	2355	125	0	0	0	2397	544	0	0	0
Difference	20.2%		60%	-10%					15%	78%				17%	95%			
Foxhome																		
1st Observation	915	6.3	10	420	0	0	0	0	262	12	0	0	0	208	12	0	0	0
2nd Observation	1414	9.7	25	541	0	0	4	0	528	50	0	0	0	254	29	0	0	8
Difference	35.3%		60%	22%			100%		50%	76%				18%	59%			100%

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Winona																		
Goodview																		
1st Observation	1728	2.0	6	69	0	0	0	0	864	0	0	0	0	795	0	0	0	0
2nd Observation	1762	2.0	7	104	0	0	0	0	708	190	17	0	0	657	86	0	0	0
Difference	1.9%		14%	34%					-22%	100%	100%			-21%	100%			
Wright																		
Annandale																		
1st Observation	1508	2.1	10	302	19	0	0	0	509	0	0	0	0	679	0	0	0	0
2nd Observation	2187	3.1	7	660	0	0	0	0	961	19	0	0	0	547	0	0	0	0
Difference	31.0%		-43%	54%					47%	100%				-24%				
Clearwater																		
1st Observation	602	2.1	15	276	0	0	0	0	234	0	0	0	0	92	0	0	0	0
2nd Observation	757	2.6	8	319	7	35	0	0	290	0	14	7	0	78	7	0	0	0
Difference	20.5%		-88%	13%	100%	100%			19%		100%	100%		-18%	100%			
Cokato																		
1st Observation	1905	3.7	15	201	0	0	0	0	791	67	0	0	0	845	0	0	0	0
2nd Observation	1288	2.5	10	362	0	0	0	0	322	0	0	0	0	577	27	0	0	0
Difference	-47.9%		-50%	44%					-146%					-46%	100%			
Waverly																		
1st Observation	781	2.4	15	391	0	0	0	0	265	19	0	0	0	76	6	0	0	25
2nd Observation	1789	5.5	5	1096	0	6	0	0	460	0	0	0	0	227	0	0	0	0
Difference	56.3%		-200%	64%		100%			42%					67%				

Quality Control Results by Size Class and County, Ash

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre	% *		Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Yellow Medicine																		
Wood Lake																		
1st Observation	703	5.7	10	54	0	0	0	0	297	15	0	0	0	332	5	0	0	0
2nd Observation	708	5.7	7	74	0	0	0	0	282	5	0	0	0	317	25	5	0	0
Difference	0.7%		-43%	27%					-5%	-200%				-5%	80%	100%		

Statewide Quality Control Summary by Size Class, Ash

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre	% *		Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
1st Observation	159905		159905	18560	98	7	40	0	55765	1172	12	10	61	82478	1625	0	0	77
2nd Observation	185529		185529	45605	142	125	68	73	53426	843	61	12	0	80546	4307	68	126	122
Difference	13.8%		13.0%	59%	31%	94%	41%	100%	-4%	-39%	80%	17%		-2%	62%	100%	100%	37%

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Becker																		
Audubon																		
1st Observation	143	0.7	1	0	0	0	0	0	53	0	0	0	0	91	0	0	0	0
2nd Observation	294	1.5	2	151	0	0	0	0	91	0	0	0	0	53	0	0	0	0
Difference	51.4%		50%	100%					42%					-72%				
Beltrami																		
Bemidji																		
1st Observation	12568	3.6	15	61	0	0	0	0	6345	122	0	0	0	5918	122	0	0	0
2nd Observation	14582	4.2	NR	1586	0	0	0	0	6345	183	0	0	0	6162	305	0	0	0
Difference	13.8%			96%					0%	33%				4%	60%			
Kelliher																		
1st Observation	121	0.4	<1	33	0	0	0	0	66	0	0	0	0	22	0	0	0	0
2nd Observation	153	0.5	1	121	0	0	0	0	33	0	0	0	0	0	0	0	0	0
Difference	20.9%		0%	73%					-100%									
Wilton																		
1st Observation	137	0.6	1	71	0	0	0	0	12	0	0	0	0	47	6	0	0	0
2nd Observation	226	1.0	NR	36	0	0	0	0	65	0	0	0	0	119	6	0	0	0
Difference	39.4%			-97%					82%					61%	0%			
Big Stone																		
Graceville																		
1st Observation	78	0.3	>1	17	0	0	0	0	35	0	0	0	0	26	0	0	0	0
2nd Observation	147	0.5	2	113	0	0	0	0	0	0	0	0	0	35	0	0	0	0
Difference	46.9%		50%	85%										26%				

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")					
Municipality	Population	Trees	Estimated	Die					Die					Die					
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	
Cass																			
Bena																			
1st Observation	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2nd Observation	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Difference																			
Clay																			
Hitterdal																			
1st Observation	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2nd Observation	14	0.2	<1	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5	5
Difference	100.0%		100%											100%			100%	100%	100%
Cottonwood																			
Bingham Lake																			
1st Observation	27	0.2	.5	5	0	0	0	0	5	0	0	5	5	0	0	0	0	0	5
2nd Observation	16	0.1	1	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Difference	-68.8%		50%	69%															
Dodge																			
Kasson																			
1st Observation	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2nd Observation	20	0.0	1	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0
Difference	100.0%		100%											100%					

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Douglas																		
Brandon																		
1st Observation	145	0.9	1	57	0	0	0	0	25	13	0	0	0	44	6	0	0	0
2nd Observation	101	0.6	1	25	0	0	0	0	13	0	0	0	0	63	0	0	0	0
Difference	-43.6%		0%	-128%					-92%					30%				
Miltona																		
1st Observation	301	1.8	3	79	0	0	0	0	171	5	0	0	0	46	0	0	0	0
2nd Observation	440	2.6	5	278	0	0	0	0	83	0	0	0	0	74	0	0	0	5
Difference	31.6%		40%	72%					-106%					38%				100%
Freeborn																		
Albert Lea																		
1st Observation	2560	0.7	2	1080	0	0	0	0	680	0	0	0	0	800	0	0	0	0
2nd Observation	4199	1.2	5	1440	0	0	0	40	1800	0	0	0	0	880	0	0	40	40
Difference	39.0%		60%	25%				100%	62%					9%			100%	100%
Grant																		
Ashby																		
1st Observation	147	1.0	1	79	0	0	0	0	16	0	0	0	0	37	10	0	5	0
2nd Observation	173	1.2	3	79	0	0	0	0	16	0	0	0	0	68	5	0	5	0
Difference	15.0%		67%	0%					0%					46%	-100%		0%	
Jackson																		
Lakefield																		
1st Observation	256	0.5	5	94	0	0	0	40	40	0	0	0	54	67	0	0	0	0
2nd Observation	242	0.5	1	94	0	0	0	0	40	0	0	0	81	27	0	0	0	0
Difference	-5.8%		-400%	0%					0%				33%	-148%				

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Kandiyohi																		
Sunburg																		
1st Observation	46	1.2	5	5	0	0	0	0	23	0	0	0	0	18	0	0	0	0
2nd Observation	107	2.8	3	62	0	0	0	0	34	0	0	0	0	7	2	0	0	2
Difference	57.0%		-67%	92%					32%					-157%	100%			100%
Kittson																		
Kennedy																		
1st Observation	192	1.6	1	38	0	0	0	0	74	0	0	0	0	80	0	0	0	0
2nd Observation	221	1.9	3	99	3	0	0	0	71	0	0	0	0	51	0	0	0	0
Difference	13.1%		67%	62%	100%				-4%					-57%				
Saint Vincent																		
1st Observation	173	1.6	1	93	0	0	0	0	40	0	0	0	0	40	0	0	0	0
2nd Observation	187	1.7	3	76	0	0	0	0	98	0	0	0	0	13	0	0	0	0
Difference	7.5%		67%	-22%					59%					-208%				
Koochiching																		
Northome																		
1st Observation	37	0.3	2	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0
2nd Observation	37	0.3	3	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0
Difference	0.0%		33%						0%									
Lake																		
Silver Bay																		
1st Observation	228	0.4	<1	48	0	0	0	0	84	0	0	0	0	96	0	0	0	0
2nd Observation	264	0.4	2	60	0	0	0	0	96	12	0	0	0	96	0	0	0	0
Difference	13.6%		50%	20%					13%	100%				0%				

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Lake of the Woods																		
Williams																		
1st Observation	56	0.5	1	3	0	0	0	0	22	6	0	0	0	25	0	0	0	0
2nd Observation	136	1.3	3	64	0	0	0	0	33	6	0	0	3	31	0	0	0	0
Difference	58.8%		67%	95%					33%	0%			100%	19%				
Lincoln																		
Tyler																		
1st Observation	105	0.3	3	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2nd Observation	31	0.1	1	21	0	0	0	0	0	0	0	0	0	10	0	0	0	0
Difference	-238.7%		-200%	-400%										100%				
Marshall																		
Oslo																		
1st Observation	210	1.7	1	101	0	0	0	0	53	0	0	0	0	57	0	0	0	0
2nd Observation	175	1.4	3	66	0	0	0	0	66	0	0	0	0	35	4	0	0	4
Difference	-20.0%		67%	-53%					20%					-63%	100%			100%
Martin																		
Sherburn																		
1st Observation	179	0.6	5	51	0	0	0	0	26	0	0	0	51	34	17	0	0	0
2nd Observation	264	0.9	NR	145	0	0	0	0	43	9	0	0	0	34	0	0	9	26
Difference	32.2%			65%					40%	100%				0%			100%	100%
Truman																		
1st Observation	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2nd Observation	14	0.1	>1	7	0	0	0	0	7	0	0	0	0	0	0	0	0	0
Difference	100.0%		100%	100%					100%									

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
McLeod																		
Biscay																		
1st Observation	50	1.7	.5	19	0	0	0	0	7	0	0	0	0	24	0	0	0	0
2nd Observation	65	2.2	10	21	0	0	0	0	26	2	0	0	0	17	0	0	0	0
Difference	23.1%		95%	10%					73%	100%				-41%				
Hutchinson																		
1st Observation	2503	1.0	3	395	0	0	0	0	198	33	0	0	0	1811	66	0	0	0
2nd Observation	2272	0.9	5	922	0	0	0	0	461	33	0	0	0	659	33	132	33	0
Difference	-10.2%		40%	57%					57%	0%				-175%	-100%	100%	100%	
Lester Prairie																		
1st Observation	38	0.2	.02	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0
2nd Observation	90	0.4	NR	23	0	0	0	0	8	0	0	0	0	60	0	0	0	0
Difference	57.8%			100%					100%					37%				
Silver Lake																		
1st Observation	5	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
2nd Observation	27	0.2	<1	16	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Difference	81.5%		100%	100%					100%									0%

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Meeker																		
Cedar Mills																		
1st Observation	57	2.2	1	25	0	0	0	0	28	0	0	0	0	4	0	0	0	0
2nd Observation	80	3.0	15	28	0	0	0	0	35	0	0	0	1	15	0	0	0	0
Difference	28.8%		93%	11%					20%					100%	73%			
Cosmos																		
1st Observation	171	1.0	1	94	0	0	0	0	59	0	0	0	0	18	0	0	0	0
2nd Observation	159	0.9	2	59	0	0	0	0	65	0	0	0	0	35	0	0	0	0
Difference	-7.5%		50%	-59%					9%					49%				
Grove City																		
1st Observation	36	0.3	1	0	0	0	0	0	6	0	0	0	0	30	0	0	0	0
2nd Observation	12	0.1	<1	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0
Difference	-200.0%		0%											-150%				
Litchfield																		
1st Observation	5157	3.8	25	116	0	0	0	0	831	0	0	0	19	4172	19	0	0	0
2nd Observation	5602	4.1	NR	97	0	0	0	0	483	0	0	0	19	4790	39	155	0	19
Difference	7.9%			-20%					-72%					0%	13%	51%	100%	100%

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Mille Lacs																		
Foreston																		
1st Observation	143	1.0	2	90	0	0	0	0	23	0	0	0	0	30	0	0	0	0
2nd Observation	128	0.9	3	53	0	0	0	0	38	0	0	0	0	38	0	0	0	0
Difference	-11.7%		33%	-70%					39%					21%				
Wahkon																		
1st Observation	131	0.5	1	81	0	0	0	0	30	0	0	0	0	10	10	0	0	0
2nd Observation	585	2.2	2	444	0	0	0	0	91	0	10	0	0	40	0	0	0	0
Difference	77.6%		50%	82%					67%		100%			75%				
Morrison																		
Little Falls																		
1st Observation	2938	1.7	10	479	0	0	0	0	414	0	0	0	0	2046	0	0	0	0
2nd Observation	6051	3.5	5	1981	0	0	0	0	1654	22	44	0	0	2220	87	22	22	0
Difference	51.4%		-100%	76%					75%	100%	100%			8%	100%	100%	100%	

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Mower																		
Adams																		
1st Observation	23	0.1	1	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0
2nd Observation	15	0.1	1	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0
Difference	-53.3%		0%											-53%				
Lyle																		
1st Observation	33	0.2	5	0	0	0	0	0	0	0	0	0	0	33	0	0	0	0
2nd Observation	111	0.7	1	39	0	0	0	0	33	0	0	0	0	39	0	0	0	0
Difference	70.3%		-400%	100%					100%					15%				
Sargeant																		
1st Observation	2	0.0	.01	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
2nd Observation	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Difference																		
Taopi																		
1st Observation	9	0.2	.5	0	0	0	0	0	6	0	0	0	0	3	0	0	0	0
2nd Observation	14	0.4	1	12	0	0	0	0	0	0	0	0	0	3	0	0	0	0
Difference	35.7%		50%	100%										0%				
Norman																		
Twin Valley																		
1st Observation	451	1.7	1	184	0	0	0	0	119	0	0	0	0	124	6	0	18	0
2nd Observation	628	2.4	10	207	0	0	0	0	225	0	0	0	0	178	6	0	12	0
Difference	28.2%		90%	11%					47%					30%	0%		-50%	

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Olmsted																		
Oronoco																		
1st Observation	356	0.7	NR	172	0	0	0	13	158	0	0	0	0	26	0	0	0	0
2nd Observation	607	1.2	3	317	0	0	0	66	211	0	0	0	13	53	0	0	13	0
Difference	41.4%			46%				80%	25%				100%	51%			100%	
Rochester																		
1st Observation	20098	1.0	1	7537	0	0	0	0	1599	0	0	0	0	10963	0	0	0	0
2nd Observation	38369	1.9	3	18157	0	0	0	0	8565	114	0	0	343	10963	114	114	0	0
Difference	47.6%		67%	58%					81%	100%			100%	0%	100%	100%		
Otter Tail																		
Urbank																		
1st Observation	79	1.8	3	51	0	0	0	0	13	0	0	0	0	15	0	0	0	0
2nd Observation	185	4.2	5	121	0	0	2	0	49	0	0	4	0	11	0	0	0	0
Difference	57.3%		40%	58%			100%		73%			100%		-36%				
Vergas																		
1st Observation	162	1.0	<1	24	0	0	0	0	65	0	0	0	0	73	0	0	0	0
2nd Observation	211	1.3	9	81	0	0	0	0	97	0	0	0	0	24	8	0	0	0
Difference	23.2%		89%	70%					33%					-204%	100%			

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Pine																		
Rock Creek																		
1st Observation	1164	2.0	40	894	0	0	0	0	245	0	0	0	0	24	0	0	0	0
2nd Observation	2792	4.8	40	2413	0	0	0	269	282	0	0	12	73	12	0	0	0	0
Difference	58.3%		0%	63%				100%	13%			100%	100%	-100%				
Sandstone																		
1st Observation	445	1.0	2	64	0	0	0	0	172	0	0	0	0	209	0	0	0	0
2nd Observation	472	1.1	7	200	0	0	0	0	54	0	0	9	0	154	18	9	9	18
Difference	5.7%		71%	68%					-219%			100%		-36%	100%	100%	100%	100%
Polk																		
Fertile																		
1st Observation	394	1.5	1	30	0	0	0	0	82	0	15	30	0	216	0	7	15	0
2nd Observation	484	1.8	5	30	0	0	0	0	141	0	0	45	0	238	15	7	7	0
Difference	18.6%		80%	0%					42%			33%		9%	100%	0%	-114%	
Redwood																		
Revere																		
1st Observation	43	0.8	1	18	0	0	0	0	13	0	0	0	0	10	0	0	0	3
2nd Observation	86	1.6	3	46	0	0	0	0	20	3	0	0	0	13	3	0	0	3
Difference	50.0%		67%	61%					35%	100%				23%	100%			0%

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Renville																		
Danube																		
1st Observation	21	0.2	.02	0	0	0	0	0	5	0	0	0	0	16	0	0	0	0
2nd Observation	26	0.2	1	0	0	0	0	0	5	0	0	0	0	16	0	0	5	0
Difference	19.2%		98%						0%					0%			100%	
Morton																		
1st Observation	222	1.5	10	23	0	0	0	0	68	0	0	0	0	131	0	0	0	0
2nd Observation	290	2.0	2	119	0	0	0	0	40	0	0	0	0	125	6	0	0	0
Difference	23.4%		-400%	81%					-70%					-5%	100%			
Olivia																		
1st Observation	39	0.1	1	0	0	0	0	0	0	0	0	0	0	39	0	0	0	0
2nd Observation	167	0.3	1	90	0	0	0	0	26	0	0	0	0	51	0	0	0	0
Difference	76.6%		0%	100%					100%					24%				
Sherburne																		
Clear Lake																		
1st Observation	195	1.3	3	0	0	0	0	0	65	0	0	0	0	130	0	0	0	0
2nd Observation	541	3.7	10	227	0	0	0	0	173	16	0	0	0	124	0	0	0	0
Difference	64.0%		70%	100%					62%	100%				-5%				
Zimmerman																		
1st Observation	1913	2.6	6	772	0	0	0	0	842	0	0	0	0	298	0	0	0	0
2nd Observation	1597	2.2	5	755	0	0	0	18	702	0	0	0	0	123	0	0	0	18
Difference	-19.8%		-20%	-2%				100%	-20%					-142%				100%

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
St. Louis																		
Floodwood																		
1st Observation	254	1.7	8	138	0	0	0	0	101	0	0	0	0	16	0	0	0	0
2nd Observation	206	1.4	<1	101	0	0	0	0	90	0	0	0	5	11	0	0	0	0
Difference	-23.3%		-700%	-37%					-12%					100%	-45%			
Stearns																		
Rockville																		
1st Observation	5387	6.4	15	1846	0	0	0	61	2875	30	0	0	61	545	30	0	0	0
2nd Observation	5781	6.8	18	2361	0	0	0	30	2815	0	0	0	182	363	61	0	0	0
Difference	6.8%		17%	22%				-103%	-2%				66%	-50%	51%			
Steele																		
Medford																		
1st Observation	140	0.7	1	0	0	0	0	0	93	0	0	0	0	40	0	0	0	7
2nd Observation	259	1.3	2	66	0	0	0	0	100	0	0	0	0	80	7	0	0	7
Difference	45.9%		50%	100%					7%					50%	100%			0%
Owatonna																		
1st Observation	304	0.1	1	0	0	0	0	0	174	0	0	0	0	87	0	0	0	43
2nd Observation	304	0.1	<1	0	0	0	0	0	304	0	0	0	0	0	0	0	0	0
Difference	0.0%		0%						43%									
Stevens																		
Alberta																		
1st Observation	9	0.2	1	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2nd Observation	47	1.2	1	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Difference	80.9%		0%	81%														

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Todd																		
Burtrum																		
1st Observation	420	5.1	25	232	0	0	0	0	134	0	0	0	0	55	0	0	0	0
2nd Observation	770	9.3	5	475	0	0	4	16	177	0	0	0	55	59	4	0	0	0
Difference	45.5%		-400%	51%			100%	100%	24%				100%	7%	100%			
Waseca																		
Waldorf																		
1st Observation	61	0.7	2	0	0	0	0	0	11	0	0	0	4	46	0	0	0	0
2nd Observation	39	0.4	1	0	0	0	0	0	14	0	0	0	0	18	7	0	0	0
Difference	-56.4%		-100%						21%					-156%	100%			
Watsonwan																		
Odin																		
1st Observation	22	0.3	.5	8	0	0	0	0	5	0	0	0	0	3	3	0	0	3
2nd Observation	25	0.4	1	19	0	0	0	0	3	0	0	0	0	3	0	0	0	0
Difference	12.0%		50%	58%					-67%					0%				
Wilkin																		
Breckenridge																		
1st Observation	599	0.9	1	56	0	0	0	0	56	0	0	0	0	488	0	0	0	0
2nd Observation	697	1.1	5	181	0	0	0	0	28	0	0	0	0	432	42	0	14	0
Difference	14.1%		80%	69%					-100%					-13%	100%		100%	
Foxhome																		
1st Observation	353	2.4	5	158	0	0	0	0	158	0	0	0	4	33	0	0	0	0
2nd Observation	599	4.1	10	237	0	0	0	0	270	17	0	0	4	62	8	0	0	0
Difference	41.1%		50%	33%					41%	100%				0%	47%	100%		

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre		% *	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Winona																		
Goodview																		
1st Observation	121	0.1	1	17	0	0	0	0	0	0	0	0	0	104	0	0	0	0
2nd Observation	1175	1.4	5	242	0	0	0	0	207	0	0	0	0	708	17	0	0	0
Difference	89.7%		80%	93%					100%					85%	100%			
Wright																		
Annandale																		
1st Observation	339	0.5	2	57	0	0	0	0	151	0	0	0	0	132	0	0	0	0
2nd Observation	641	0.9	2	264	0	0	0	0	189	0	0	0	0	170	0	0	19	0
Difference	47.1%		0%	78%					20%					22%			100%	
Clearwater																		
1st Observation	1267	4.4	15	297	0	0	0	0	538	14	0	0	35	347	14	0	0	21
2nd Observation	1713	5.9	20	552	28	7	0	14	779	14	0	21	0	290	35	0	7	14
Difference	26.0%		25%	46%	100%	100%		100%	31%	0%		100%		-20%	60%		100%	-50%
Cokato																		
1st Observation	215	0.4	5	121	0	0	0	0	40	0	0	0	0	54	0	0	0	0
2nd Observation	94	0.2	<1	54	0	0	0	0	27	0	0	0	0	13	0	0	0	0
Difference	-128.7%		-400%	-124%					-48%					-315%				
Waverly																		
1st Observation	120	0.4	5	38	6	0	0	19	63	13	0	0	0	6	0	0	0	0
2nd Observation	384	1.2	2	290	0	13	0	0	38	0	0	0	6	50	0	0	0	0
Difference	68.8%		-150%	87%	100%				-66%				100%	88%				

Quality Control Results by Size Class and County, Elm

(2nd Observation - 1st Observation) / 2nd Observation

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre	% *		Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
Yellow Medicine																		
Wood Lake																		
1st Observation	50	0.4	1	35	0	0	0	0	10	0	0	0	0	5	0	0	0	0
2nd Observation	20	0.2	1	5	0	0	0	0	5	0	0	0	0	10	0	0	0	0
Difference	-150.0%		0%	-600%					-100%					50%				

Statewide Quality Control Summary by Size Class, Elm

County	All Size Classes			Sapling Class (1 - 5")					Pole Class (5 - 12")					Sawtimber Class (> 12")				
Municipality	Population	Trees	Estimated	Die					Die					Die				
	Per Acre	% *		Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead	Total	Back	Discolor	Both	Dead
1st Observation	64248		3.838970	16100	6	0	0	133	17264	236	15	35	233	29927	309	7	38	87
2nd Observation	96463		4.25	35891	31	20	6	453	27506	431	54	91	785	30060	852	439	200	166
Difference	33.4%		9.7%	55%	81%	100%	100%	71%	37%	45%	72%	62%	70%	0%	64%	98%	81%	48%