

UFORHIC – Urban Forest Health Information Center – Taking the Next Step to Success

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Background

- Threat from invasive forest insects and diseases
- Gap in knowledge
- New pest introductions undetected
- Local inventories often not reviewed across communities

Background – cont.

- While many communities routinely conduct tree inventories for their local needs,
 - There is currently no way to aggregate information across communities to assess forest conditions.

As a result

- UFORHIC was implemented.


Login Screen

Firefox

uforhic.org https://www.uforhic.org/index.php

Google

Urban Forest Health Information Center (UFORHIC)



Welcome to UFORHIC

UFORHIC is part of the Northeastern Area's strategy for improving urban forest health monitoring. UFORHIC will aggregate and analyze local tree inventory and pest detection information and provide a platform for easy upload of community tree inventory and IPED data, allowing for analysis, identification, and reporting of urban forest health trends and anomalies at local, regional and larger scales.

UFORHIC is a partnership of the US Forest Service, the Davey Institute, and CERIS - Purdue University.

User Login

Username

Password

Login

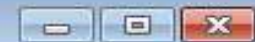
[Forgot Password?](#)

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W3C HTML 4.01

Crosswalker

UFORHIC Crosswalker



UFORHIC

Urban Forest Health Information Center



The Urban Forest Health Information Center (UFORHIC) is part of the Northeastern Area's strategy for improving urban forest health monitoring.

UFORHIC's mission is to aggregate and analyze local tree inventory and pest detection information as well as to provide a platform for easy upload, analysis, identification, and reporting of urban forest health trends and anomalies at local and regional scales.

UFORHIC is a partnership between:

- The US Forest Service,
- The Davey Tree Expert Company,
- CERIS - Purdue University.



< Back

Next >

Cancel

Crosswalker

UFORHIC Crosswalker

Help

Urban Forest Health Information system

UFORHIC

We are ready to send data to UFORHIC!

☒ Direct Upload of UFORHIC Data

Account Information

Account Type:

Username:

Password:

[Create i-Tree Account](#) [Create UFORHIC Account](#)

☐ Save Cross-walked Data as an XML File

You can upload this file to UFORHIC manually through the [UFORHIC](#) website if desired.

< Back Finish Cancel

UFORHIC/Pest Detection



Distributed Tree Inventory & Pest Detection Data



Local Use

Age	Species	Stem Diameter	Height
1	Juniper	10	10000
2	Pinus	15	15000
3	Quercus	20	20000



Regional Monitoring



UFORHIC Home Page

Urban Forest Health Information Center (UFORHIC)

[Data Entry](#)[Reports](#)[Maps](#)[Dictionaries](#)[Admin](#)[Help](#)[My Account](#)

Welcome Eileen Luke

Listed below is a summary of the total of the number of inventories, total number of trees, and the total number of states that are in the UFORHIC system. If you are in the Northeastern region, please help us expand this site by uploading your tree inventory data.

Summary of UFORHIC Data		
Inventories	Trees	States
323	787147	18

If you experience any problems using this site please contact the site administrator at admin@uforhic.org.

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Total Inventories by State

State	Total
Alabama	2
Arizona	1
California	2
District of Columbia	1
Delaware	6
Iowa	182
Illinois	13
Indiana	15
Massachusetts	16
Maine	2
Michigan	31
Minnesota	9
Missouri	12
New York	21
Pennsylvania	1
Rhode Island	1
Washington	1
Wisconsin	7

Where is the data?

UFORHIC Map

 Entity Data  Individual Data

Search Criteria

Data Locations



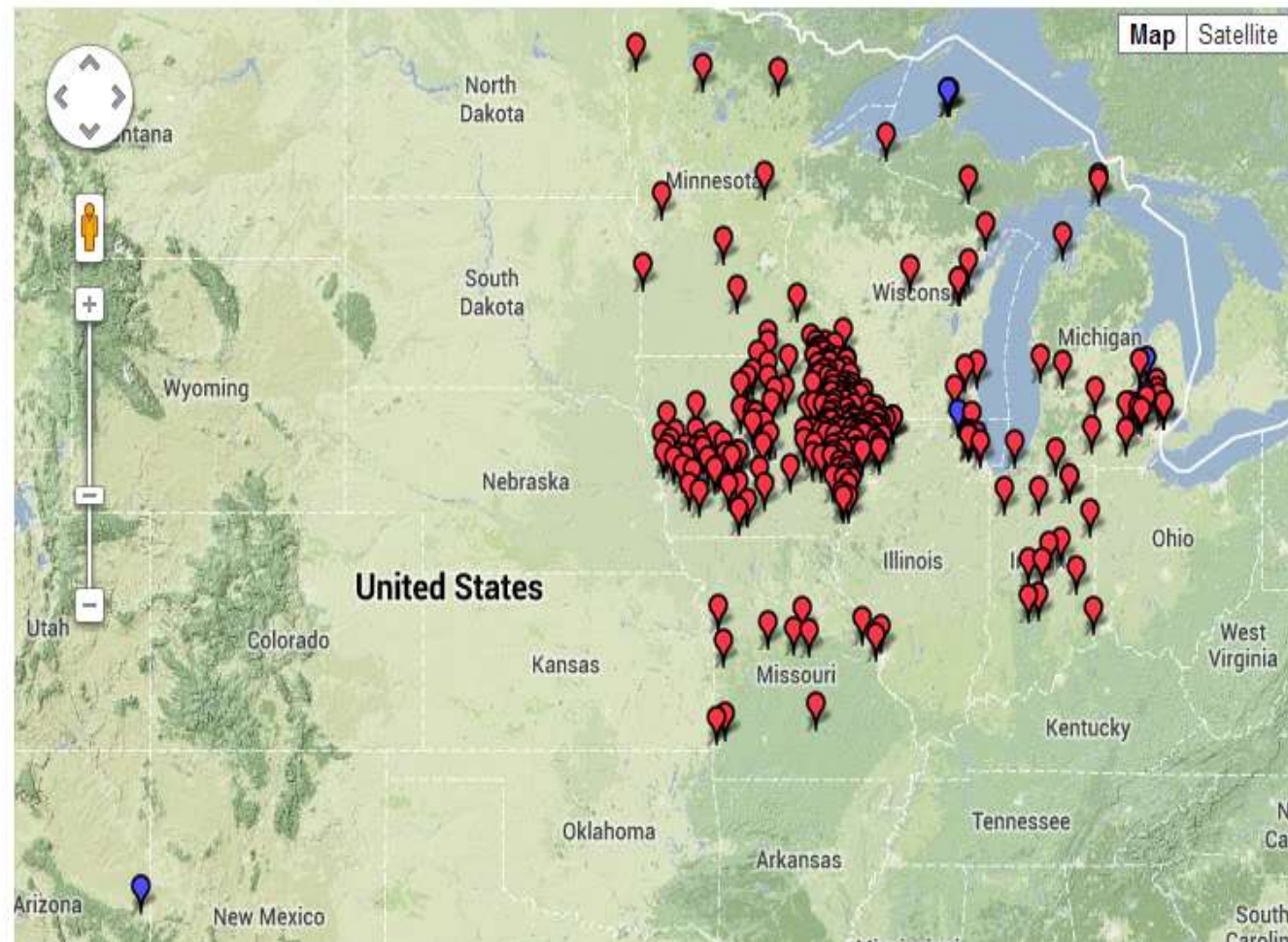
You can zoom in

UFORHIC Map

 Entity Data  Individual Data

Search Criteria

Data Locations



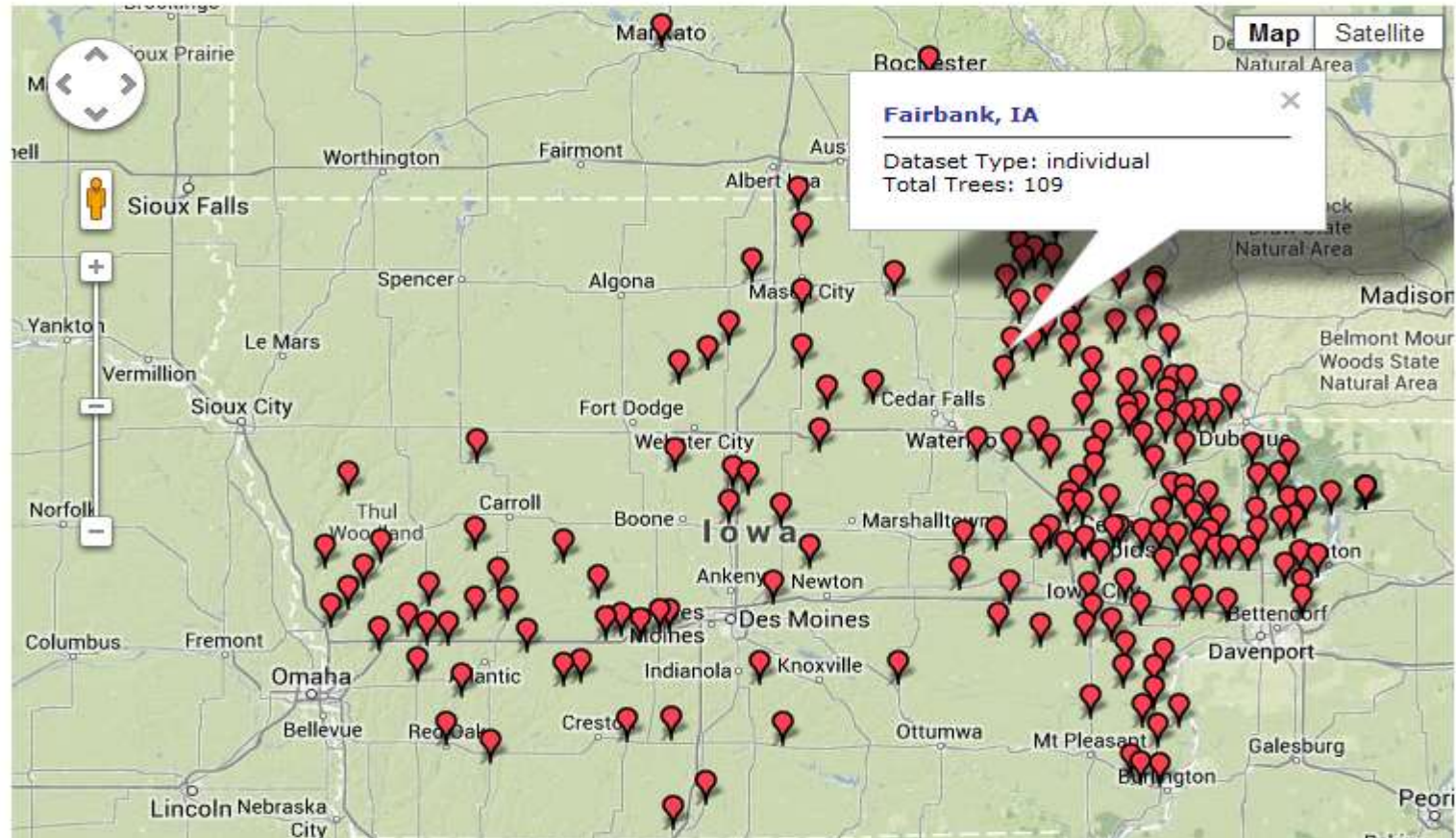
Map feature

UFORHIC Map

Entity Data Individual Data

Search Criteria

Data Locations



Report by clicking Fairbank, IA

UFORHIC Raw Data Report

Search Results

Inventory ID: Fairbank, IA

Inventory Data							
Inventory ID	Survey Dates	Total Trees	Total Land	Inventory Type	Tree Type	Tree Location	Collector
Fairbank, IA	10/01/2010-10/01/2010	109	1.00(miles)	complete	public	other	government

Internal System Data			
System Date	System Time	User ID	Dataset Type
2013-09-16	14:11:01	100 (mahill)	individual

Location Data		
State	County	Municipality
Iowa	Buchanan	Fairbank

DBH by Top Species											
	Tree Species	0-3	3-6	6-12	12-18	18-24	24-30	30-36	36-42	42+	Total
1	Silver maple	0	0	1	6	7	6	1	0	0	21
2	Black walnut	0	1	0	5	7	5	0	0	0	18
3	Norway maple	0	0	1	3	9	1	0	0	0	14
4	Green ash	0	0	1	5	5	1	0	0	0	12
5	White ash	1	0	0	0	2	6	0	0	0	9
6	catalpa spp	0	0	0	0	1	1	0	2	0	4
7	Ohio buckeye	0	1	0	2	1	0	0	0	0	4
8	Birch Spp	0	2	1	0	0	0	0	0	0	3
9	Sugar maple	0	0	0	2	1	0	0	0	0	3
10	Honeylocust	0	0	0	0	3	0	0	0	0	3
11	Blue spruce	0	0	2	1	0	0	0	0	0	3
12	Lilac Spp	1	1	0	0	0	0	0	0	0	2
13	Pin oak	1	0	0	1	0	0	0	0	0	2
14	Apple Spp	0	1	0	1	0	0	0	0	0	2
15	Red maple	0	0	1	1	0	0	0	0	0	2
16	Mulberry Spp	0	0	0	1	0	0	0	0	0	1
17	Spruce Spp	0	0	0	1	0	0	0	0	0	1
18	Southern magnolia	0	0	1	0	0	0	0	0	0	1
19	American sycamore	0	0	0	0	1	0	0	0	0	1
20	Cottonwood Spp	0	0	0	0	0	0	1	0	0	1
21	American basswood	0	0	0	0	0	1	0	0	0	1
22	Siberian elm	0	0	0	0	0	1	0	0	0	1
DBH Total		3	6	8	29	37	22	2	2	0	109

Zoom feature

UFORHIC Map

70-100% 50-70% 25-50% 0-25%

Search Criteria

Genus: Fraxinus

Frequency of Trees



Report Examples

- Summary Reports
- Individual Data Fields Reports

Reports – Tree Size by Health Condition

UFORHIC Report



Tree Size Class by Health Condition						
Size Class	Excellent	Good	Fair	Poor	Dead	Total
0-3 inches	9,245 11.16%	25,615 30.92%	40,222 48.56%	6,000 7.24%	1,756 2.12%	82,838 100%
3-6 inches	4,403 6.91%	23,145 36.34%	29,485 46.30%	5,284 8.30%	1,372 2.15%	63,689 100%
6-12 inches	3,335 3.27%	25,895 25.35%	56,765 55.58%	13,587 13.30%	2,549 2.50%	102,131 100%
12-18 inches	1,792 1.64%	16,928 15.49%	69,739 63.81%	18,629 17.04%	2,212 2.02%	109,300 100%
18-24 inches	1,007 1.24%	10,719 13.18%	53,383 65.66%	14,865 18.28%	1,332 1.64%	81,306 100%
24-30 inches	605 1.30%	5,202 11.15%	30,283 64.91%	9,811 21.03%	753 1.61%	46,654 100%
30-36 inches	205 0.85%	2,178 9.06%	15,344 63.81%	5,898 24.53%	420 1.75%	24,045 100%
36-42 inches	101 0.91%	916 8.22%	6,798 60.99%	3,043 27.30%	289 2.59%	11,147 100%
42+ inches	127 1.62%	943 12.01%	4,420 56.27%	1,985 25.27%	380 4.84%	7,855 100%
Total	20,820 3.94%	111,541 21.09%	306,439 57.93%	79,102 14.95%	11,063 2.09%	528,965 100%

Frequency of Ash in Iowa

Urban Forest Health Information Center (UFORHIC)

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Generate UFORHIC Maps

Map Type: ☒ Frequency* ☐ Size* ☐ Health Condition* ☐ Data Locations

Map Scope: ☒ County ☐ Municipality

Start Date:

End Date:

State:

County:

DBH Sizes*:

Condition*:

Tree Genus*:

>>

<<

Selected Item(s)

Select item by either double clicking
or highlighting and clicking arrow

Results

UFORHIC ArcGIS Map



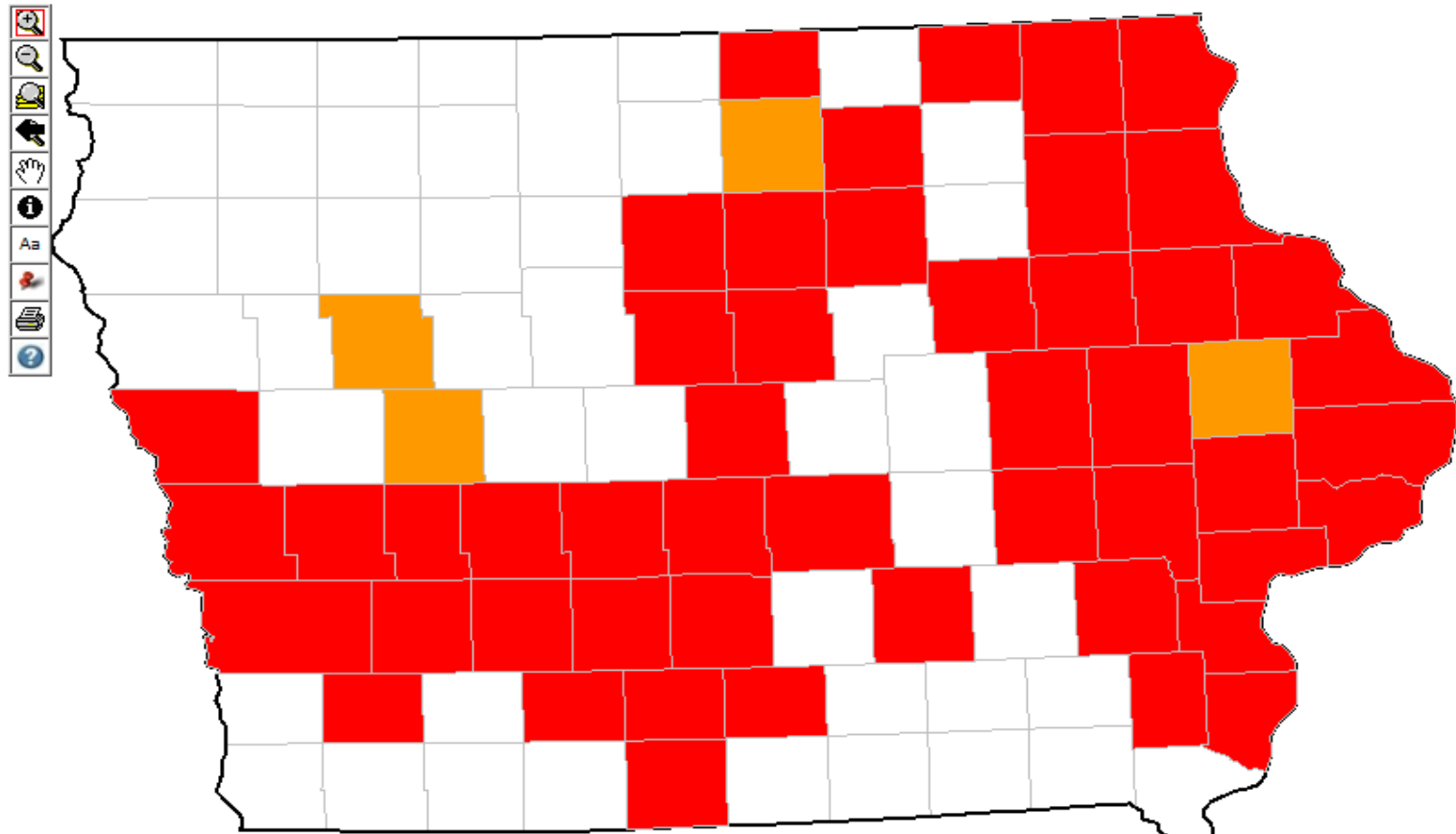
Search Criteria

Genus: Fraxinus

State: Iowa

[Click here to view report data](#)

Frequency of Trees



Map Data Report

UFORHIC Map Data - Mozilla Firefox

https://www.uforhic.org/arc_maps.php

UFORHIC Map Data Report

Search Criteria
Genus: Fraxinus
State: IA

Frequency Results		
County	Number of Trees	Total Trees
Adair, IA	260 13.07%	1,989 100.00%
Allamakee, IA	303 12.21%	2,481 100.00%
Audubon, IA	254 16.26%	1,562 100.00%
Benton, IA	180 15.80%	1,139 100.00%
Black Hawk, IA	81 15.43%	525 100.00%
Buchanan, IA	31 16.40%	189 100.00%
Butler, IA	100 20.49%	488 100.00%
Carroll, IA	208 27.08%	768 100.00%
Cass, IA	149 14.49%	1,028 100.00%
Cedar, IA	540 14.24%	3,792 100.00%
Cerro Gordo, IA	164 29.34%	559 100.00%
Clarke, IA	94 22.82%	412 100.00%
Clayton, IA	400 11.39%	3,511 100.00%
Clinton, IA	81 12.25%	661 100.00%
Dallas, IA	58 14.46%	401 100.00%

Questions

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