

EMERALD ASH BORER

FORUM AT THE NORTH SIDE LIBRARY



An educational session concerning the emerald ash borer and its effects on our residents will be held on the dates below. Municipal Arborist David Jahn will cover the following topics:

- How do I know if I have an ash tree?
- How will I know if I have emerald ash borer (EAB)?
- What are my options (treatment or removal)?
- Replacement species



www.dmpl.org | 515.283.4152

WEDNESDAY, MARCH 23
5:30 PM
NORTH SIDE LIBRARY MEETING ROOM
3516 FIFTH AVENUE

EMERALD ASH BORER

FORUM AT THE NORTH SIDE LIBRARY



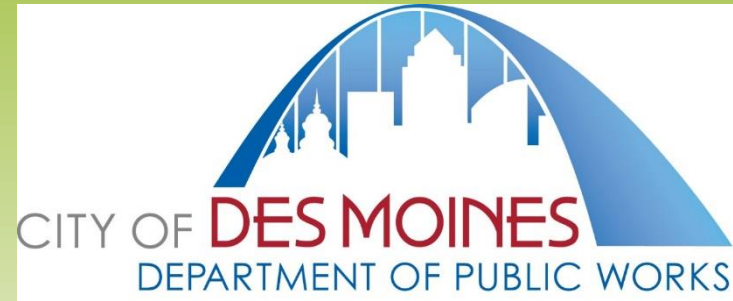
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EMERALD ASH BORER IN DES MOINES

David Jahn, Municipal Arborist
Forestry Division

City of Des Moines Department of Public Works

E ducate

- Do I have an ash tree?
- Is it a candidate for treatment?

A ctivate

- What is the cost for treatment or removal?
- Set timetable and budget for treatment or removal
- Contact qualified help

B eware

- Contractor basics
- Guarding your wallet

Educate

What is EAB?

- Tiny beetle introduced into USA
- Kills ash trees
- Emerald green color
- Purplish-pink under wings



***Fraxinus* genus (Iowa)**

- Green ash (*F. pennsylvanica*)*
- White Ash (*F. americana*)*
- Black ash (*F. nigra*)
- Blue ash (*F. quadrangulata*)



How Do I Know if I Have an Ash Tree?



Does the bark have a diamond pattern?

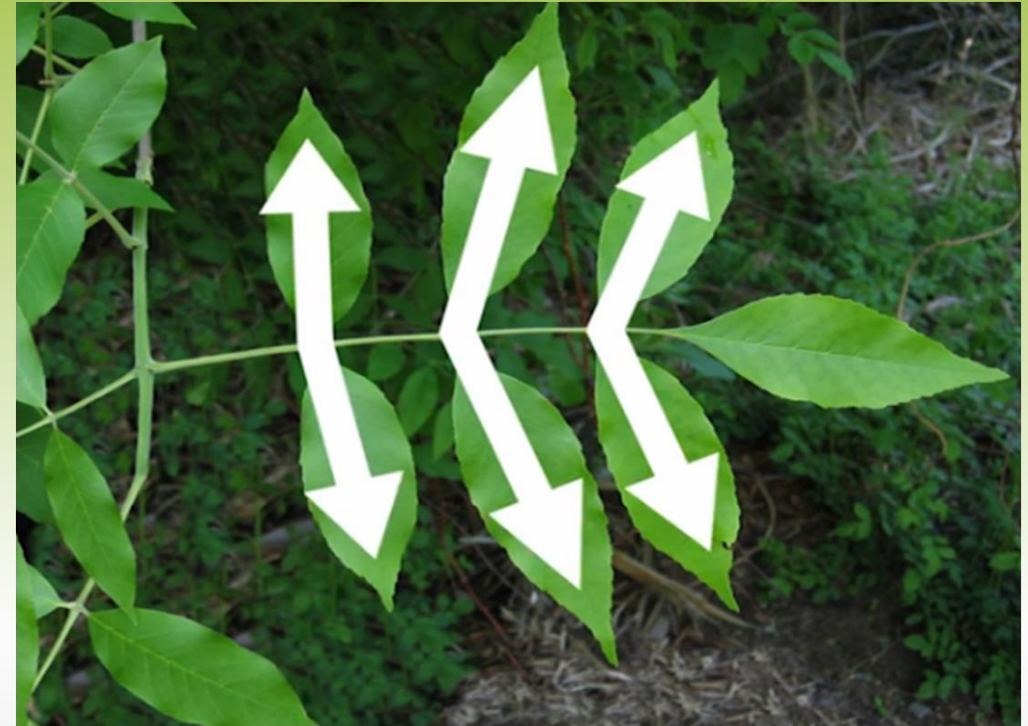
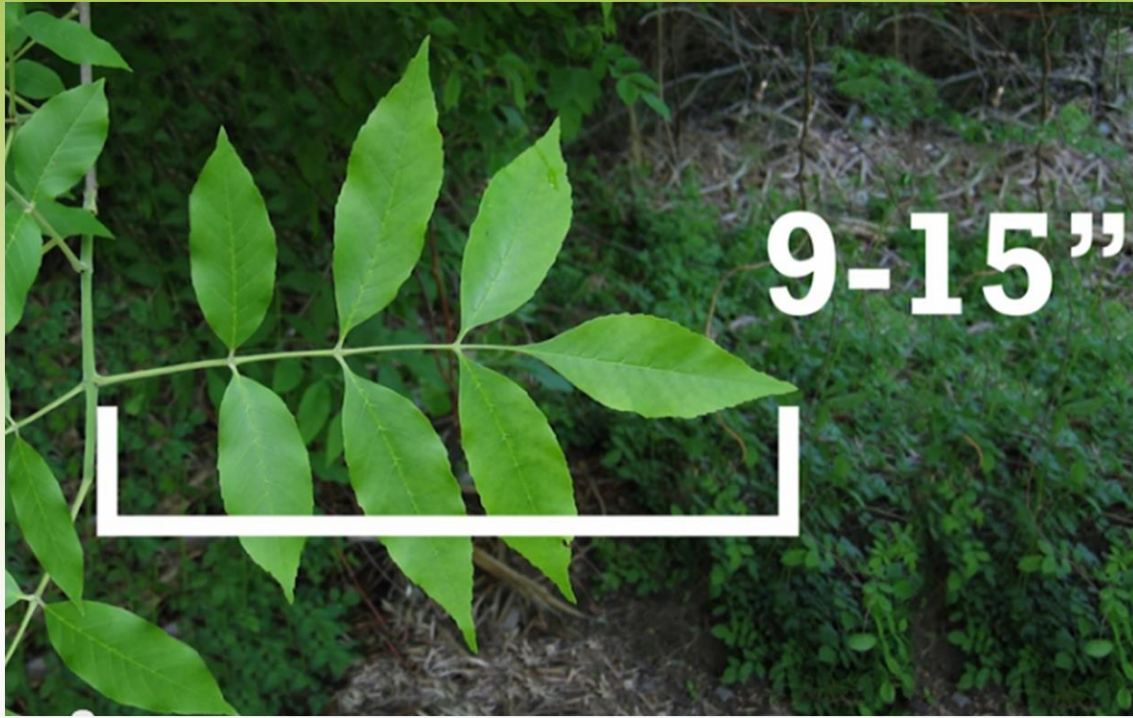


Mature bark has diamond-shaped ridges (green and white ash)





**Are the
branches
arranged as
opposites?**



- Are the compound leaves 9-15" long, each leaf having 3-11 leaflets?**
- Are the leaflets arranged as opposites?**
- Do the leaflets have smooth edges (not toothed)?**



Green ash (*F. pennsylvanica*)

Yellow fall color





White Ash (*F. americana*)

Purple fall color



**How Do I Know if My Ash Tree
has EAB?**

Burlington, IA





**Are there
sprouts/suckers
growing on the trunk?**



**Are there cracks in the
trunk, under which
tunneling is visible?**



**Is there a lot of
'flecking' where a
woodpecker has
stripped off bark
in search of
insect larvae?**



Eddyville, IA







5449380







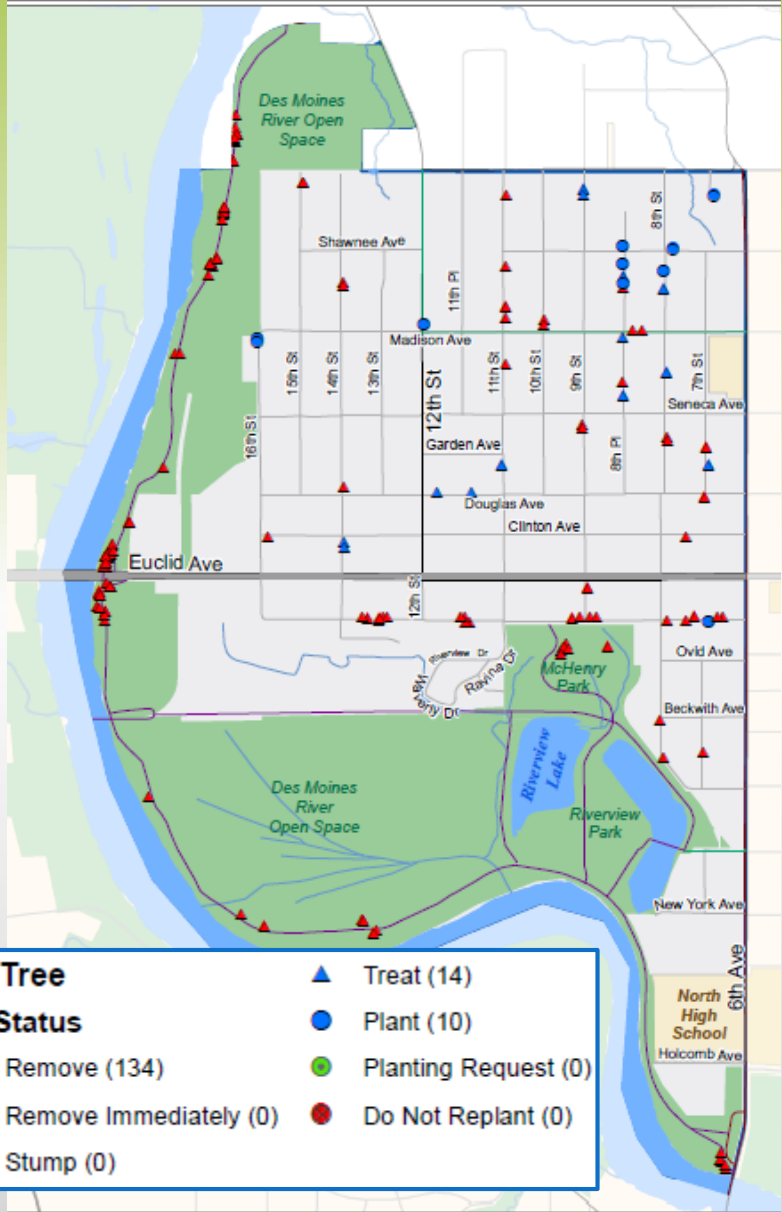


Red paint dot =
removal

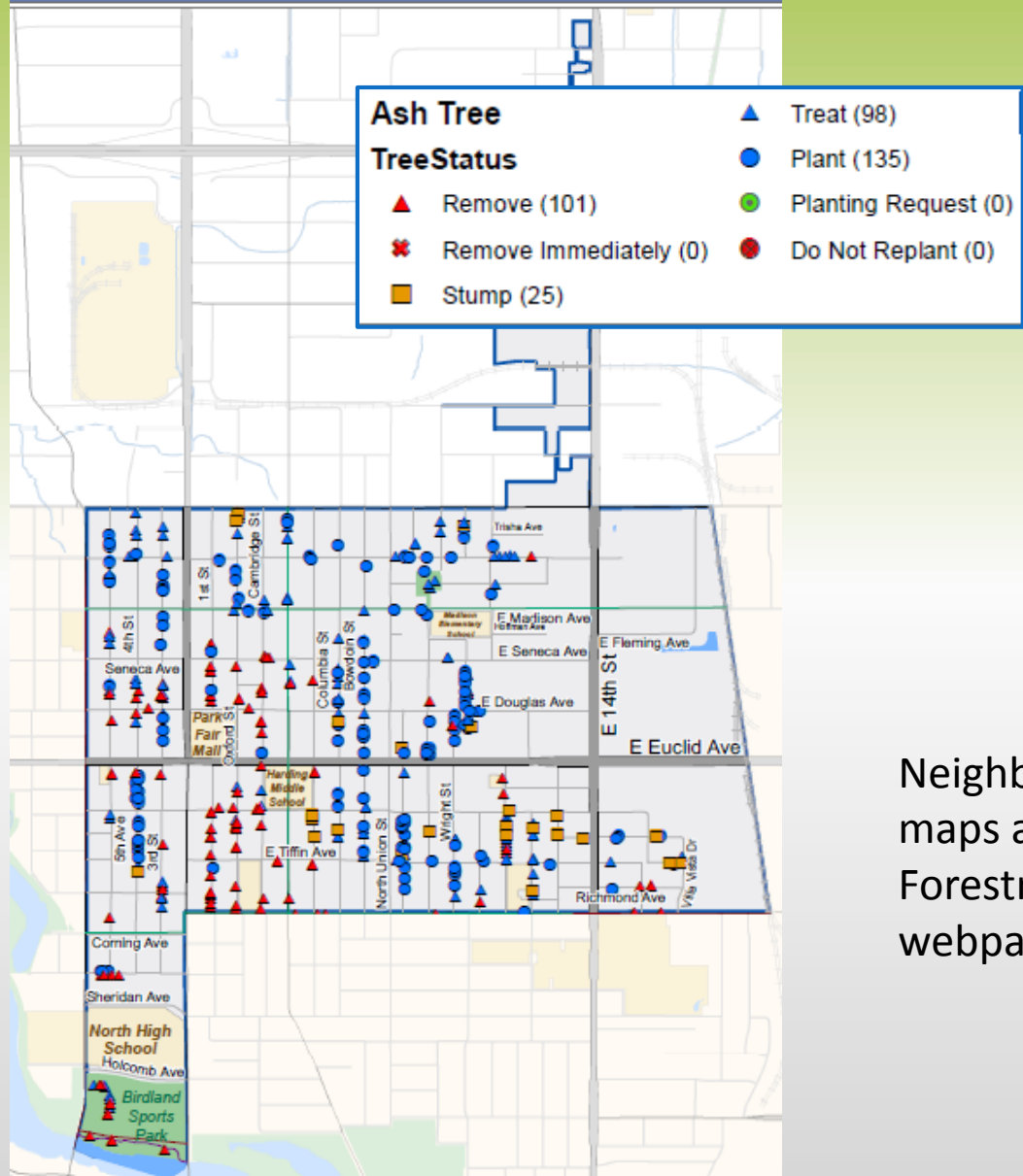
Numbered metal tag =
treatment



Oak Park Neighborhood Street Ash Tree Locations



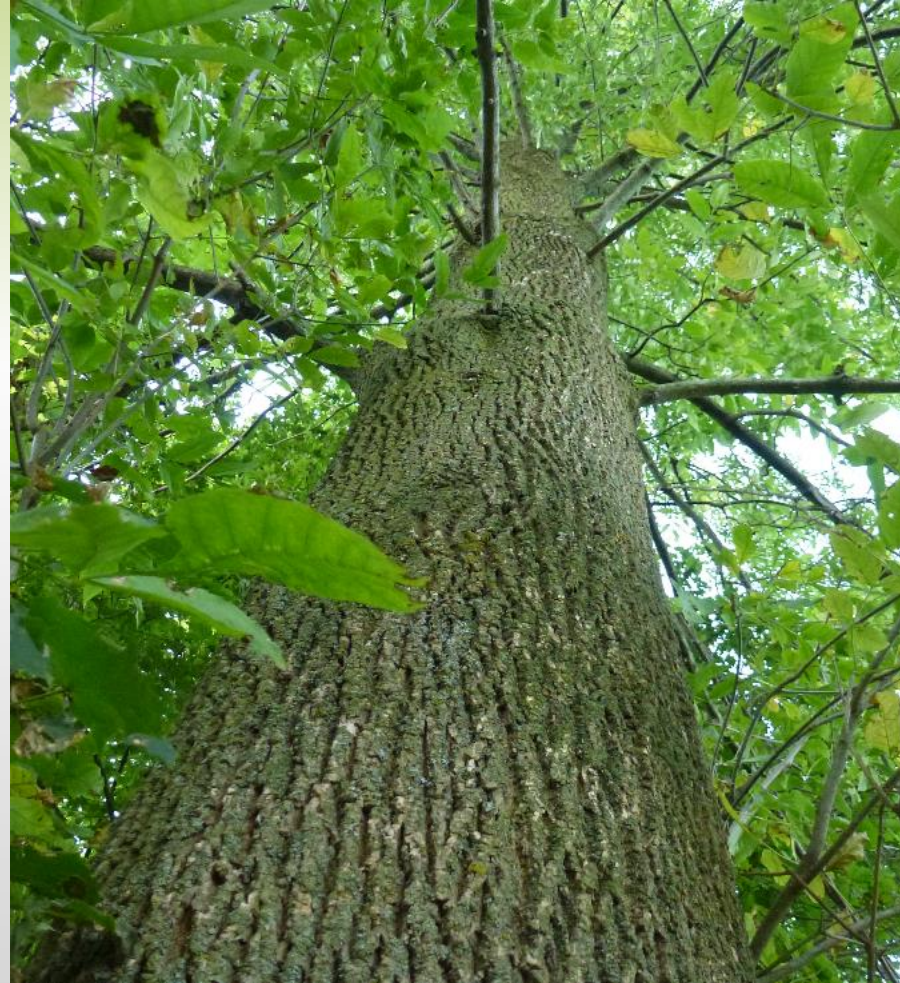
Highland Park Neighborhood Street Ash Tree Locations



Neighborhood
maps are on
Forestry
webpages

How do I know if my ash tree is a good candidate for treatment?

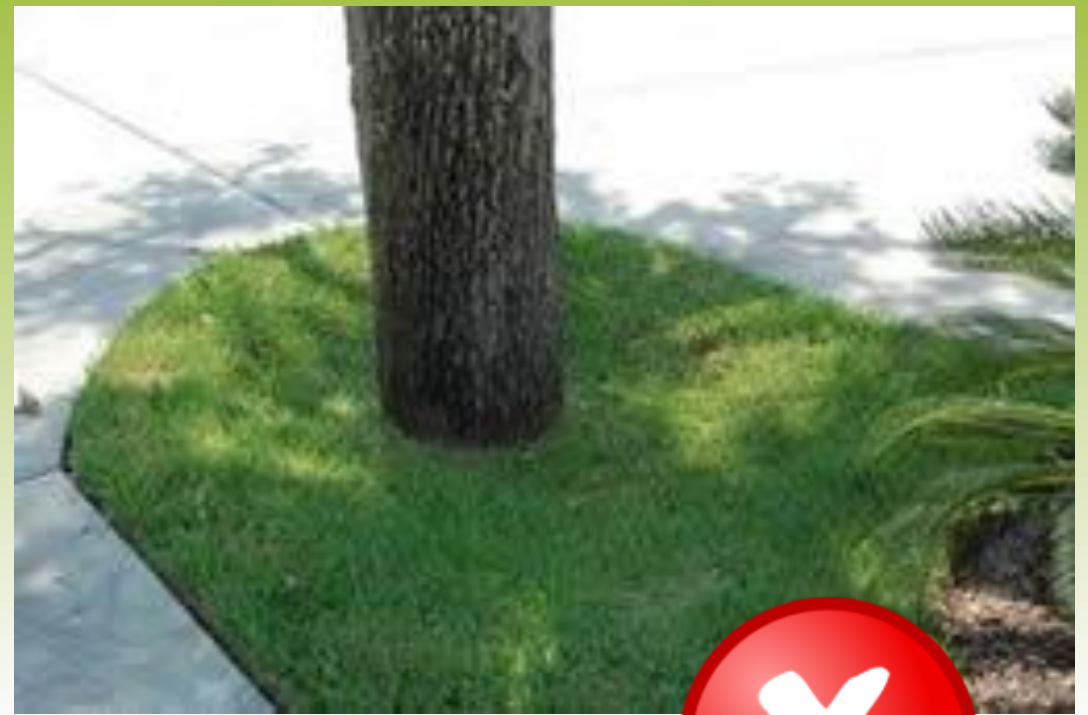
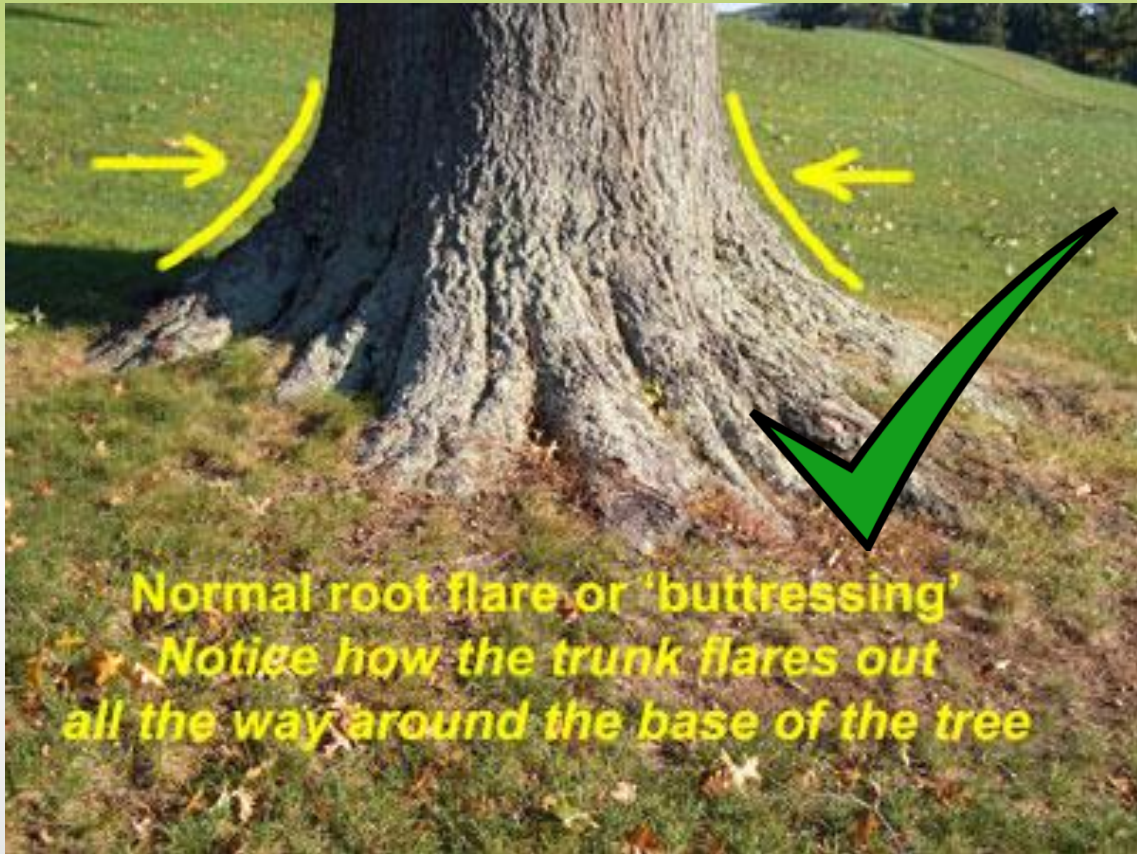
- Location
- Overall Tree Health
- Structure and Safety
- Age/Size





- Treat only healthy, structurally stable ash trees!
- Lush, green annual growth

ROOT FLARE VISIBLE



ABSENCE OF MAJOR DEFECTS:

Included Bark and Cracking



DEFECT:

- Cracked trunk

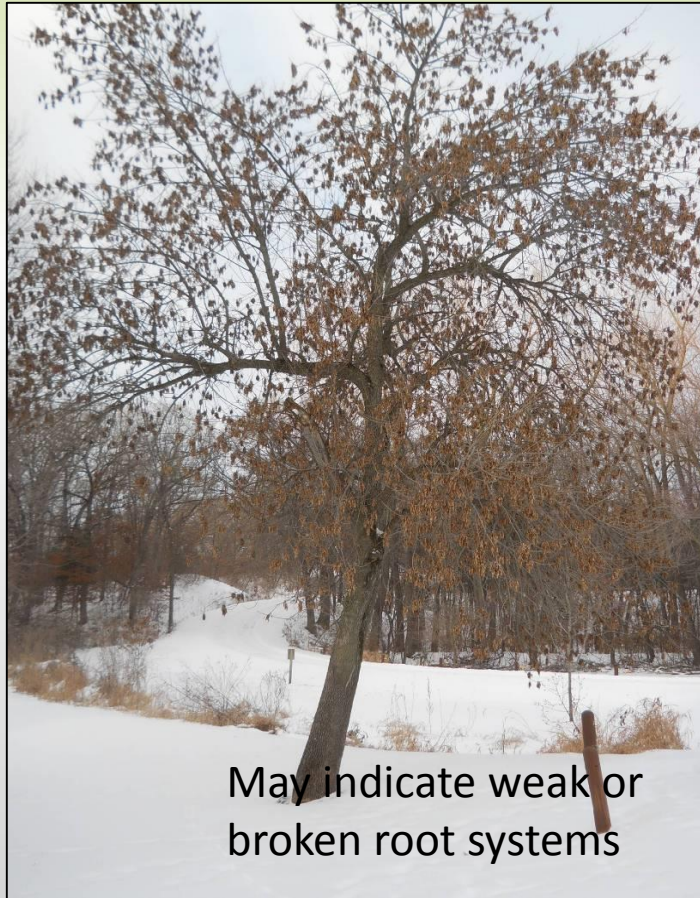


- Overpruned



DEFECT:

Leaning trunk



Bark damage



Storm Damage



DEFECT:

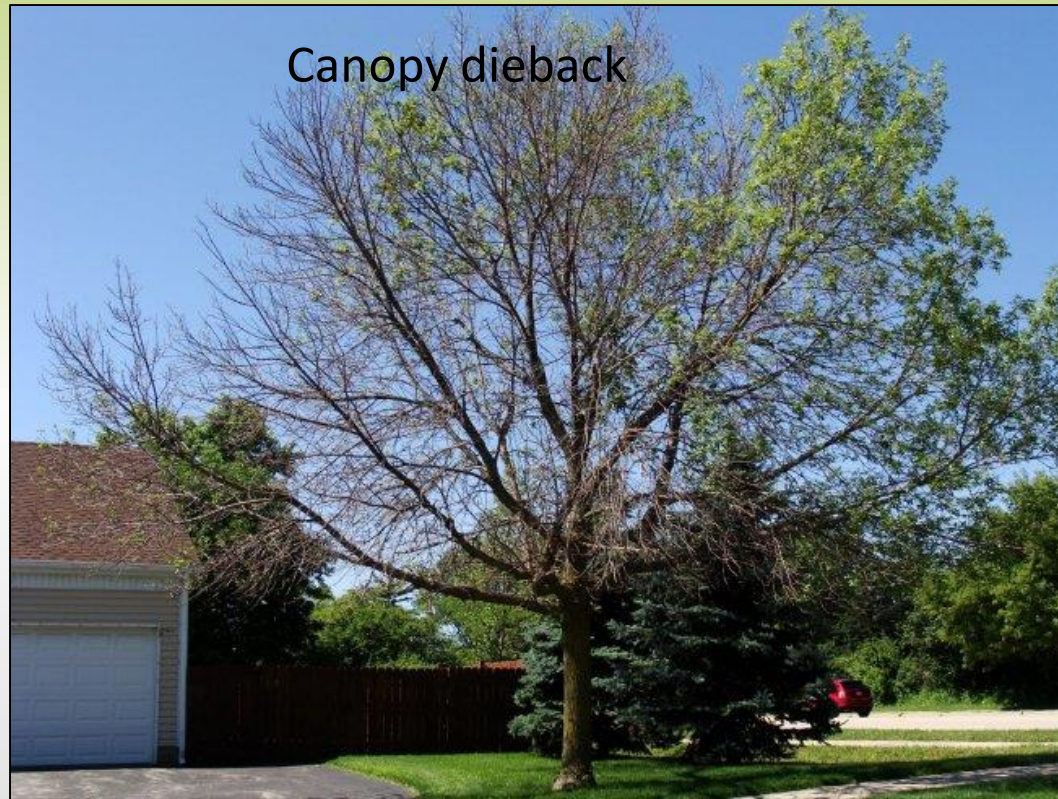
- DECAY



- FUNGUS IS EVIDENCE OF INNER DECAY



DEFECT: Advanced signs of EAB = do NOT treat this ash tree



Bark cracking
D-shaped exit holes

Age and Size



- Not too young, not too old
- Is the tree declining, or near the end of its lifespan?
- Size right for the location?

Why would I want to treat my ash tree?

- Prevent environmental losses (stormwater; erosion)
- Ash is home to 44 other dependent species
- Property Value
- Aesthetic
- Energy savings
- Habitat

- Budget
 - Long term commitment

Activate

Set timetable and budget

Get HELP!



A street in Michigan

So far -millions of ash trees....killed
AND Millions more to come.

Toledo, Ohio neighborhood



Branch Fractures Closer to Union in EAB Infested Trees ?



**The tree will
become
unclimbable!**



Costly removals if can't climb tree



Effective chemical treatment is available



Effectiveness and environmental impact of treatment

- *Emamectin benzoate* (trade name **TREE-äge**) has been approved for use by the EPA in all states in which EAB is found
- Treatment is by injection (a closed delivery system)
- It is 99+% effective in killing both adult and larval EAB
- Shared university research indicates negligible environmental impact from this treatment on ash trees



Consider the Costs

- Treatment is \$10-\$12 per diameter inch
- Removal is \$40-\$60 per diameter inch
- Planting a new tree \$335

- **SAMPLE TREE 24" ash**
- Treatment under \$300
- Removal and replacement \$1775
- Treat 6 times (12+ years) for same cost as removal/replacement

Beware

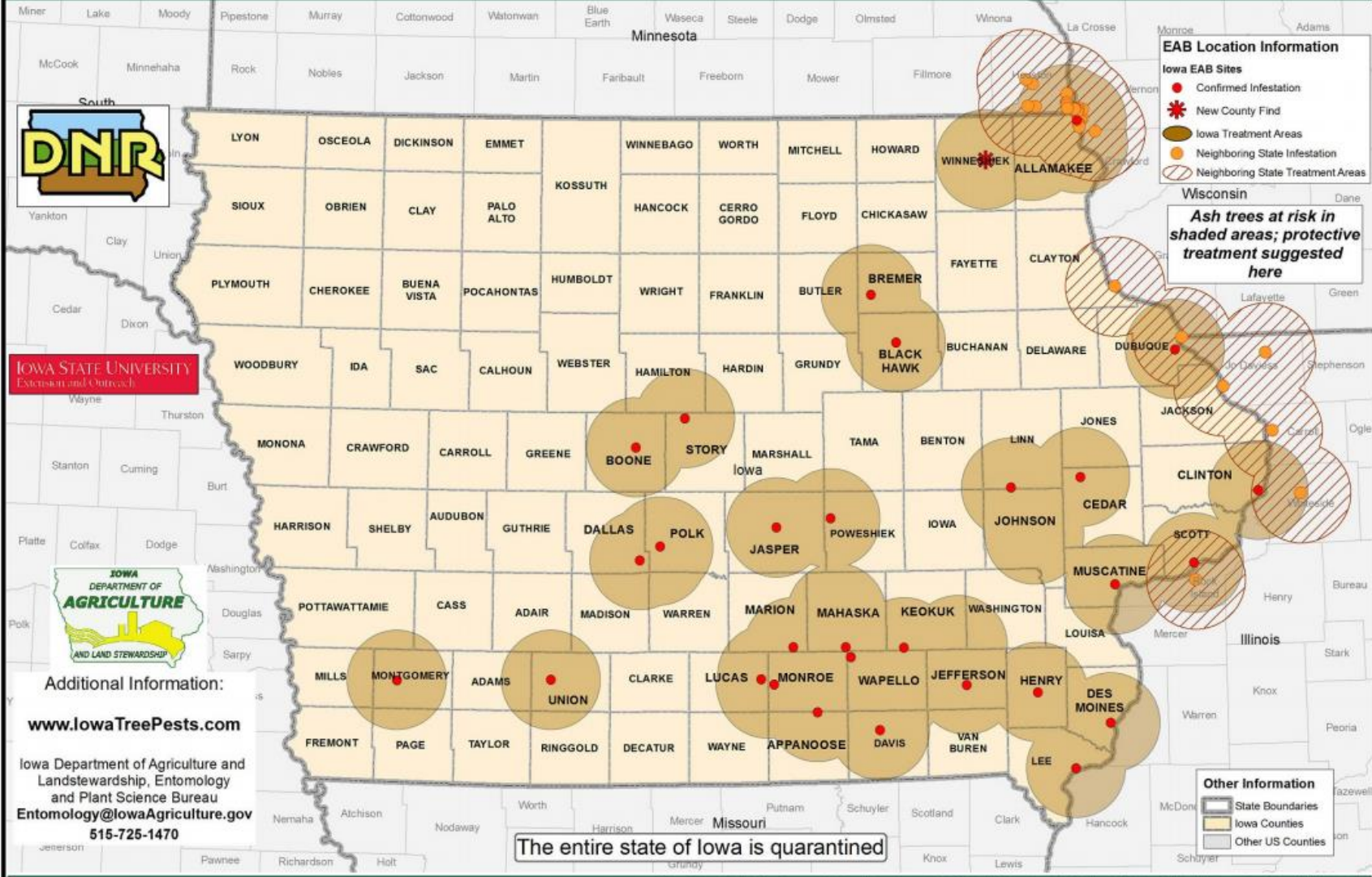
The clock is ticking

Unqualified or irresponsible contractors

Emerald Ash Borer Detections in Iowa

Initial County Detections and Suggested Treatment Areas

03/04/2016



IOWA STATE UNIVERSITY Extension and Outreach



Additional Information:
www.iowaTreePests.com
 Iowa Department of Agriculture and Landstewardship, Entomology and Plant Science Bureau
Entomology@iowaAgriculture.gov
 515-725-1470

Data Source: USDA, APHIS, PPH; NRGIS, IADNR; JADNR; USFS, STS
 Coordinate System: NAD 1983 StatePlane Iowa North FIPS 1401 Feet
 0 5 10 20 Miles

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EAB is not coming...

IT'S HERE!



01-06-16

Tivon Feeley,
DNR
Mike Kintner,
IDALS



1. Make plan right away, based upon your inventory of ash
2. Assessment of ash
3. Know treatment timetable options (15 mi.)
3. Set budget and timetable for removals before there are standing dead trees
4. Delay could spell disaster!
5. Plan replacement trees

- Don't wait until the project is too late or too big



Unqualified Contractors



- Wrong ID in Des Moines

Oshkosh, WI





Uninsured
Contractor

Who do you think
pays?



ASK TO SEE.....

Sean Runyard - cert # 46381
Gregg Johnson - cert # 46382
Michael Gaido - cert # 46383
Andrew Cravens - cert # 46384
Terry Blockhus - cert # 46385



CONTRACTOR REGISTRATION CERTIFICATE

STATE OF IOWA

DATE ISSUED: 3/20/2015

IOWA WORKFORCE DEVELOPMENT
DIVISION OF LABOR SERVICES
CONTRACTOR REGISTRATION

DATE EXPIRES: 3/20/2016

REGISTRATION NUMBER: C124418

1000 East Grand Ave.
Des Moines, IA 50319-0209
Phone (515) 242 - 5871

ROBERT KINNUCAN TREE EXPERTS & LANDS
28877 NAGEL CT
LAKE BLUFF, IL 60044


Michael A. Mauro, Commissioner

Your certificate will be enforced for 1 year if you are in compliance with contractor registration, unemployment insurance, and worker's compensation regulations.
Falsifying any records may result in revocation of your certificate, \$500 civil penalty, and criminal prosecution.

If you think you have ash trees, log on to
www.dmgov.org

Various links will inform you of your treatment and removal options. Now is the time to make plans, before EAB causes a backlog of service requests for tree companies.



Questions

