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

**Wednesday, March 23**
5:30 PM
North Side Library Meeting Room
3516 Fifth Avenue
EMERALD ASH BORER IN DES MOINES

David Jahn, Municipal Arborist
Forestry Division
City of Des Moines Department of Public Works
Educate

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

Activate

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

Beware

- 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?
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?
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
Red paint dot = removal

Numbered metal tag = treatment
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
Normal root flare or ‘buttressing’. Notice how the trunk flares out all the way around the base of the tree.
ABSENCE OF MAJOR DEFECTS:
Included Bark and Cracking
DEFECT:

• Cracked trunk

• Overpruned
DEFECT:

Leaning trunk

May indicate weak or broken root systems

Bark damage

Storm Damage

May indicate weak or broken root systems
DEFECT:

- DECAY

- FUNGUS IS EVIDENCE OF INNER DECAY
DEFECT: Advanced signs of EAB = do NOT treat this ash tree

- Canopy dieback
- Sprouting
- Bark cracking
- D-shaped exit holes
- Woodpecker flecking
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!
So far -millions of ash trees....killed AND Millions more to come.
Toledo, Ohio neighborhood

2006

2009
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
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

TREE TALK BACK HERE

$ out front
Uninsured Contractor

Who do you think pays?
CONTRACTOR REGISTRATION CERTIFICATE

STATE OF IOWA

IOWA WORKFORCE DEVELOPMENT
DIVISION OF LABOR SERVICES
CONTRACTOR REGISTRATION

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

DATE ISSUED: 3/20/2015
DATE EXPIRES: 3/20/2016
REGISTRATION NUMBER: C124418

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.

ASK TO SEE......
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