

UNION COUNTY BOARD OF CHOSEN FREEHOLDERS

THURSDAY, AUGUST 10, 2017
AGENDA SETTING MEETING AGENDA

CALL TO ORDER

Chairman Bruce H. Bergen presided over the meeting and called the meeting to order at 7:05pm.

ROLL CALL

Roll call showed Chairman Bruce H. Bergen, Vice Chairman Sergio Granados, Freeholder Linda Carter, Freeholder Christopher Hudak (via telephone conference), Freeholder Mohamed S. Jalloh, Freeholder Bette Jane Kowalski, and Freeholder Vernell Wright were present, with Freeholder Angel G. Estrada and Freeholder Alexander Mirabella absent.

Also present were County Manager Alfred J. Faella, County Counsel Robert E. Barry, Esq., and Clerk of the Board James E. Pellettiere.

PRAYER AND SALUTE TO THE FLAG

The prayer and salute to the flag were led by Clerk of the Board Pellettiere.

Chairman Bergen announced to the public in the audience that the Special Meeting (relative to the proposed consent resolution to the issuance of county guaranteed lease revenue bonds for the Mind and Body Complex project) had been cancelled on the advice of County Counsel. He advised that the public will not have an opportunity to speak as it is a regularly scheduled Agenda Meeting (Agenda Setting Session) of the Board. He apologized to any members of the public that was unaware of the cancellation, noting the decision was made earlier in the day, noting that the County did its best to notify the public once the decision was made.

STATEMENT OF COMPLIANCE WITH THE OPEN PUBLIC MEETINGS ACT

The statement of compliance with the Open Public Meetings Act was read by Clerk of the Board Pellettiere.

PRESENTATIONS FROM THE BOARD

A Certificate and Check Presentation will be made by Freeholder Vernell Wright to Madison Gulbin of Clark and Desiree Armas of Elizabeth in acknowledgement of their receiving the NJAC and Investors Savings Bank Scholarships.

Chairman Bergen called upon Freeholder Wright and John Donnadio (NJAC Executive Director) and representatives from Investors Savings Bank for the night's first presentation.

John Donnadio thanked the Board for its support over the years. He thanked Investor Savings Bank for their generosity and dedication to the NJAC Scholarship grant program over the years, noting that they have provided over \$100,000 over the past five years. He added that NJAC grant program has provided a total of \$250,000 in scholarships over the past five years, much to the assistant from Investors Savings Bank.

Freeholder wright presented Madison Gulbin of Clark and Desiree Armas of Elizabeth with their proclamations.

PRESENTATION TO THE BOARD

A presentation to the Board will be made by Madeline DiNardo, of Rutgers Cooperative Extension, providing an update on the Emerald Ash Borer in New Jersey.

Chairman Bergen called upon Madeline DiNardo to provide the Board with a presentation (attached) relative to the Emerald Ash Borer's effects on the Ash trees throughout the County; touching on topics such as the history of the spread, detection methods in identifying the larvae, the Emerald Ash Borer Response Plan, and treatment options.

Freeholder Kowalski asked what the public should do if they find evidence of the Emerald Ash Borer. Madeline DiNardo advised that they should call Rutgers Cooperative and bring in a sample of the larvae.

Chairman Bergen re-stated his earlier comments relative to the decision to cancel the Special Meeting on the advice of counsel.

APPROVAL OF COMMUNICATIONS

Chairman Bergen noted that the Board would approve the communication at next week's Regular Meeting.

Note and File

Oath of Office: Human Services Advisory Council: Pam Capaci and Woody Phillippe; Union County Utilities Authority: Roy Eastman; Workforce Development Board: Hugh Caufield, Glenn Nacion, John Perry and Stanley Robinson, Jr.

OFFICE OF THE UNION COUNTY CLERK

Joanne Rajoppi, County Clerk

County Clerk Rajoppi provided an overview of the two resolutions up for consideration by the Board. She advised that relative to the first resolution, the County would own the source data of the election application.

1. Authorizing the County Manager to enter into an agreement with 14Oranges, Richmond, BC, for the purpose of developing and maintaining an Election App for the Office of the Union County Clerk for a contract period of August 18, 2017 through August 17, 2018 in an amount not to exceed \$25,000. **(Chairman Bruce H. Bergen)**

Freeholder Jalloh inquired as to last year's fee for the election app.

Clerk Rajoppi advised that the maintenance fee was \$5,000 (same as this contract), but that the original design and implementation of the app cost \$30,000 (in 2014).

Freeholder Jalloh stated that the app is quite useful and urged residents to utilize the service.

County Clerk thanked Freeholder Jalloh, and advised they should get the app up and running by September.

Freeholder Kowalski commended the Clerk on the app. She inquired as to the security of the data that was destroyed by the previous vendor.

Clerk Rajoppi stated that they have no proof of the security of the data destroyed, but assured the Board (and the public) that no personal data or information is used within the data; no social security numbers, date of birth or any such information. She advised that the app is linked to the State.

Freeholder Hudak inquired as to the number of downloads since offering the app in 2014.

Clerk Rajoppi advised that as of last year, there were 1,500 downloads.

2. Exercising an option to extend a contract with Alltech Business Solutions, Kenilworth, New Jersey to provide coin-operated copy machines for public use at five cents (\$0.05) per copy for an additional 24 consecutive months beginning September 25, 2017 through September 24, 2019. This is not a revenue producing contract nor is there a cost to the County. The purpose of this contract is to secure the lowest price per copy for public users. **(Chairman Bruce H. Bergen)**

OFFICE OF THE UNION COUNTY SHERIFF

Joseph Cryan, Sheriff

Sgt. Gaetano Bracciale represented the Office.

There were no questions or comments by the Board.

1. Authorizing the County Manager to award the proposed contract obtained through advertised public bidding in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq: The Union County Sheriff's Office (BA#46-2017): Clearview Data Systems, 728 N. Pleasantburg Drive, Greenville, SC, for the purpose of providing two (2) All-In-One LiveScan/mugshot booking stations in the amount not to exceed \$48,204.00. **(Chairman Bruce H. Bergen)**

OFFICE OF THE UNION COUNTY PROSECUTOR

Grace H. Park, Acting Prosecutor

First Assistant Prosecutor Tim Isenhour represented the Office.

1. Authorizing the County Manager, through the Union County Prosecutor's Office, to enter into an agreement with Life Technologies Corporation, Grand Island, New York, for the purpose of providing chemicals and supplies for DNA and Controlled Dangerous Substance (CDS) testing for the period of July 1, 2017 through December 31, 2017 in an amount not to exceed \$22,500.00. **(Chairman Bruce H. Bergen)**
2. Authorizing the County Manager to enter into an agreement, through the use of New Jersey State Contract #A81721, with National Office Furniture, Jasper, IN, for the acquisition of additional furniture purchases in an amount not to exceed \$125,000. **(Chairman Bruce H. Bergen)**

Vice Chairman Granados inquired as to what type of furniture is being purchased and for what purpose.

Mr. Isenhour advised that the furniture is being purchased for the new Family Justice Center, noting that they exceeded the amount, and by the agreement with the County, they would use their budget to cover those costs.

3. Authorizing the County Manager through the Union County Prosecutor's Office to apply for and accept funding from the Edward Byrne Memorial Justice Assistance Grant, Megan's Law and Local Law Enforcement Grant in the amount of \$14,125 for the period of September 1, 2017 through August 31, 2018. **(Chairman Bruce H. Bergen)**

DEPARTMENT OF ADMINISTRATIVE SERVICES

Michael Yuska, Director

1. Amending Resolution Number 2017-27, a professional services contract with Ruderman, Horn & Esmerado, Springfield, New Jersey, special counsel for Labor and Personnel matters, to increase the amount of award for legal services in the amount of \$35,000 for a total amount not to exceed \$70,000. **(Chairman Bruce H. Bergen)**
2. Authorizing the County Manager to award the proposed contract obtained through advertised public bidding in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq. for the Union County Police Department, to Mall Chevrolet Inc. (MAL16), Cherry Hill, NJ for the purpose of providing one (1) 2017 (or newer) Chevrolet Tahoe LT in the amount of \$54,400.00. **(Chairman Bruce H. Bergen)**
3. Authorizing the County Manager to award the proposed contract obtained through advertised public bidding in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq. for the Sheriff's Department and Corrections Department, to Winner Ford, Cherry Hill, NJ for the purpose of providing eight (8) Prisoner Transport Cargo Van Inserts in the amount of \$181,200.00. **(Chairman Bruce H. Bergen)**

Freeholder Carter asked the Director to elaborate more on the purpose of the resolution.

Director Yuska advised the purpose is to purchase the cargo van inserts to transport prisoners from Corrections. He stated that the Department of Corrections will be receiving two inserts as a result of Bail Reform and two inserts as a result of attrition.

Freeholder Carter inquired as to why this resolution is under the Department of Administrative Services.

Director Yuska advised this is due to a centralized purchasing and budget for vehicles.

4. Awarding a contract for Medicare and Disability Monitoring Services to SSDC Services Corp., 28125 Cabot Drive, Suite 201, Novi, MI 48377, for thirty six consecutive months. Contract shall lead to reductions in cost for the self-insured health plans of the County. Fees shall be paid only when savings have been certified to occur. A non-guaranteed depository for fees that may come due over the course of the contract shall be established at not to exceed \$80,000 for Discovery, \$40,000 for Recovery and \$225,000 for Development for a total cost not to exceed \$345,000. **(Chairman Bruce H. Bergen)**

Vice Chairman Granados asked the Director to elaborate more on the purpose of the resolution.

Director Yuska advised that this resolution assists the County, through its Broker, to curtail the County's self-insured medical costs. He advised that the goal is to identify employees that should be on Medicare and remove them from the County rolls. He added that the vendor only gets paid if they are successful in moving individuals off the rolls.

Freeholder Jalloh asked the Director to clarify that it is a not to exceed amount based on performance, and inquired as to the number of projected employees they will inspect.

Director Yuska advised that the payments are performance based and the fees are a set rate of \$1,500. He stated that the County projects approximately 800 employees will be inspected.

5. Authorizing the County Manager to award the annual Short Term and Long Term Disability Insurance Policy with the Unum Insurance Company, Atlanta, GA, for the period of September 1, 2017 through August 31, 2018 in an estimated amount not to exceed \$230,000.00. **(Chairman Bruce H. Bergen)**

DEPARTMENT OF CORRECTIONS

Ron Charles, Director

There were no questions or comments by the Board.

1. Authorizing the County Manager to enter into a contract with Lombardy Door Sales & Service Corporation, Belleville, New Jersey to furnish and install one new hollow metal door and frame in an amount not to exceed \$15,525.00. **(Chairman Bruce H. Bergen)**

DEPARTMENT OF ECONOMIC DEVELOPMENT

Amy Wagner, Deputy County Manager/Director

1. Authorizing the County Manager to exercise the County's option to extend the contract period with Development Directions LLC, of Rahway, NJ pursuant to a Request for Proposals done in 2016 and by way of Resolution 2016-722 dated September 15, 2016 for administration of the Union County Home Improvement Program (UCHIP), which provides assistance to lower income homeowners for repairs and rehabilitation of their homes, for the period of September 1, 2017 through August 31, 2018 in the amount not to exceed \$329,000. **(Chairman Bruce H. Bergen)**

Vice Chairman Granados inquired as to the number of homeowners that are assisted with this program.

Deputy County Manager Wagner advised that she didn't have the number on hand, but would provide it to the Board before the next meeting. She advised the Board of how the grant works, noting the two components: a \$5,000 grant that never has to be paid back to the County, and a \$24,999 interest-free loan that is paid off when the property changes hands.

Freeholder Jalloh inquired what the \$329,000 entails.

Deputy County Manager Wagner advised that the \$329,000 is for the entire program, inclusive of administration fee. She added that the administrative fee is \$750 per loan, but that it varies.

Freeholder Jalloh asked how much of Administrative fees were used last year.

Deputy County Manager Wagner advised that she didn't have those figures, but would provide them to the Board.

2. Authorizing the County Manager to amend Resolution Number 2016-428, a resolution approving the 2016-2017 Consolidated Action Plan, to increase CDBG funding to the Plainfield YMCA Emergency Shelter Program in the amount of \$60,000 from \$45,000 to \$105,000 utilizing County of Union Program Income funds. **(Chairman Bruce H. Bergen)**
3. Amending Resolution Number 2016-515, reflecting the final HUD Allocations to increase HOME funding to the Habitat for Humanity of Greater Plainfield and Middlesex County, Inc., in the amount of \$60,025.45 for a total funding amount of \$280,000.00. **(Chairman Bruce H. Bergen)**
4. Authorizing the County Manager to apply for and accept grant funds through the FY 2018 Subregional Support Program (SSP) of the North Jersey Transportation Planning Authority (NJTPA). The FY 2018 Subregional Support Program covers a twelve month period from July 1, 2017 to June 30, 2018, in an amount not to exceed \$15,000. **(Chairman Bruce H. Bergen)**
5. Authorizing the County Manager to amend Resolution Number 2017-538, a resolution approving the 2017-2018 Annual Consolidated Action Plan, to include the following projects funded with Community Development Program Income Funds: Rahway - Office of Policy & Planning in the amount of \$105,000.00 and Plainfield - Office of Community Development in the amount of \$110,000.00 for a total amount of 215,000.00. **(Chairman Bruce H. Bergen)**
6. Authorizing the County Manager to award a contract to B & M Consultants, Inc. for the period of August 1, 2017 through December 31, 2018 in an amount not to exceed \$172,000.00 under the WorkFirst New Jersey Program by way of Resolution 2017-607: Workforce Advantage, Union County College, Venture & Venture Human Skills Center, and Urban League of Union County; during the contract period should service needs change and/or if any of the listed agencies fails to meet its contractual obligations. **(Chairman Bruce H. Bergen)**

DEPARTMENT OF ENGINEERING, PUBLIC WORKS & FACILITIES MANAGEMENT

Joseph Graziano, Director

County Engineer Tom Mineo represented the Department.

1. Amending Resolution Number 2015-607, a Professional Construction Management Service Contract with Pinnacle Consulting and Construction Services, Inc., for additional construction management services associated with the Union County Justice Complex Renovations - Phase III - Elevator and Roof Replacement Project in an amount not to exceed \$144,000.00 for a new total contract amount not to exceed \$2,054,404.52. (Union County Engineering Project Number 2010-035C) **(Freeholder Bette Jane Kowalski)**

Vice Chairman Granados inquired as to how long Phase III will take to complete.

Mr. Mineo advised that the work would begin in late Spring and it should close out next Summer.

2. Amending Resolution Number 2016-690, a Professional Architectural Design and Construction Management Service Contract with Netta Architects, for additional architectural / engineering services associated with the Union County Justice Complex - Phase III - Oriscello Correctional Facilities Interior Alterations, for Upgrades to Elevators No 1 and 2 in an amount not to exceed \$70,000 for a new total amount not to exceed \$1,606,030.00 and further extending the contract an additional eight (8) months. (Union County Engineering Project Number 2010-035C) **(Freeholder Bette Jane Kowalski)**
3. Amending Resolution Number 895-2015, a contract awarded through advertised public bidding process in accordance with the Local Public Contracts Law, N.J.S.A. 40A:11-1 et seq., to Pravco, Inc. of Rahway, New Jersey for the Union County Justice Complex Renovations - Phase III Project, approving Change Order Number 1 for Upgrades to Elevator No. 1 and 2 in an amount not to exceed \$621,132.00 for a new total contract amount not to exceed \$3,943,132.00. (Union County Engineering Project Number 2010-035C) **(Freeholder Bette Jane Kowalski)**
4. Authorizing the County Manager to award the proposed contract obtained through advertised public bidding in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq: Department of Engineering, Public Works & Facilities; Division of Facilities Management: Eagle Building Services, Newark, New Jersey, for the purpose of providing monthly Window Cleaning Services for twenty-four (24) consecutive months with the provision for one (1) twenty-four (24) month optional extension in the amount of \$100,500.00. **(Freeholder Bette Jane Kowalski)**
5. Authorizing the County Manager to award the proposed contract obtained through advertised public bidding in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq to: Flemington Department Store, Flemington, NJ (BA#50-2017) for the purpose of providing Uniform Service for the Department of Engineering, Public Works & Facilities Management, Division of Facilities Management; Division of Public Works; Department of Parks & Recreation; for twenty-four (24) consecutive months with the provision for one (1) twenty-four (24) month optional extension, contract amount not to exceed \$91,600.00 **(Freeholder Bette Jane Kowalski)**
6. Amending Resolution 2017-12, a resolution authorizing the use of NJ State, Somerset County, Educational Services Commission of NJ, (formerly known as Middlesex Regional) and Cranford Police cooperative contracts as exceptions to bidding pursuant to NJSA 40A:11-10,11 and 12 and NJAC 5:34-Subchapter 7 for 2017, to increase funding in an amount not to exceed \$50,000 for National Office Furniture, Jasper, IN (State Contract #81721); for the period of January 1, 2017 through December 31, 2017. **(Freeholder Bette Jane Kowalski)**
7. Authorizing the County Manager to approve the optional twenty-four(24) month contract extension (Resolution Number 2015-672) obtained through advertised public bidding in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq: Department of Engineering, Public Works & Facilities Management; Division of Facilities Management to Green Genie LLC, Allenhurst, New Jersey, for the purpose of Concessions: Automated Teller Machine (ATM) Services at a rate of twenty percent (20%) of all transaction fees collected for twenty-four (24) consecutive months from September 3, 2017 through September 2, 2019. **(Freeholder Bette Jane Kowalski)**

8. Authorizing the County Manager to award the proposed contract extension originally obtained through advertised public bidding in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq: Department of Engineering, Public Work & Facilities, Division of Facilities Management, Shaban, Inc, Guttenberg, NJ, for the purpose of providing Kitchen Exhaust Systems Services, twenty-four (24) consecutive months, commencing September 12, 2017 through September 11, 2019, in an amount not exceed \$64,998. **(Freeholder Bette Jane Kowalski)**
9. Authorizing the County Manager to award the proposed contract obtained through advertised competitive contracting in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq: Engineering, Public Works & Facilities; Division of Facilities Management: Mo's Catering LLC, 233 Nagle Street, Bound Brook, NJ 08805 for the purpose of providing Food Concession Services and Vending Space for a contract period of September 1, 2017 through August 31, 2018, with the provision for two (2) twenty-four (24) month optional extension, in the amount to be paid to the County of \$17,400. **(Freeholder Bette Jane Kowalski)**
10. Authorizing the County Manager to award the proposed contract obtained through advertised public bidding in accordance with the Local Public Contracts Laws, NJSA 40A:11-1 et seq: to Louis Barbato Landscaping, Holbrook, NY 11741 (BA-UCCP# 40-2017) for the purpose of providing and planting trees throughout Union County Parks, Golf Courses and Roadways for the Department of Engineering, Public Works & Facilities Management, Division of Public Works \$39,750 and Department of Parks and Recreation, Division of Park Maintenance, \$13,170, Division of Recreational Facilities, \$59,860, for a twelve month (12) contract amount not to exceed \$112,780.00 **(Freeholder Bette Jane Kowalski)**
11. Resolution ratifying permission given to the Township of Cranford to close Springfield Avenue between North Avenue and North Union Avenue on Tuesday, August 1, 2017, from 5:00 p.m. to 10:00 p.m. for the Cranford National Night Out Celebration Event. **(Freeholder Bette Jane Kowalski)**
12. Resolution granting permission to the Township of Scotch Plains to hang a banner across Park Avenue at the intersection of Front Street and Park Avenue from August 1, 2017 to September 5, 2017 for the Annual St. Bartholomew's Labor Day Italian Festival which will be held September 1 2017 through September 4, 2017. **(Freeholder Bette Jane Kowalski)**
13. Resolution concurring with the Borough of Fanwood granting permission to the Fanny Wood Day Committee, to close Martine Avenue from South Avenue to La Grande Avenue and South Avenue, from First Street to Second Avenue on Sunday, September 17, 2017 from 7:00 a.m. to 7:00 p.m. to hold the 2017 Fanny Wood Day Celebration. **(Freeholder Bette Jane Kowalski)**

DEPARTMENT OF FINANCEBibi Taylor, Director

1. Resolution authorizing the addition of a Roth Account feature to the County of Union's 457(b) plan. **(Freeholder Alexander Mirabella)**

Chairman Bergen asked the Director to confirm that this addition will not cost the County any additional money.

Director Taylor advised that he was correct. She advised that it is an additional tax option for employees, noting that the current 457b plan is a pre-tax plan and that this Roth Account would defer there compensation post tax.

2. Resolution Modifying the 2017 Union County Adopted Budget in the amount of \$85,667 as a result of notification for additional funds received from the State of New Jersey, Department of Community Affairs for a Program Entitled: Community Services Block Grant. **(Freeholder Alexander Mirabella)**
3. Resolution Modifying the 2017 Union County Adopted Budget in the amount of \$14,125 as a result of notification received from the State of New Jersey, Department of Law and Public Safety for a Program Entitled: Edward Byrne Memorial JAG/Megan's Law & Local Assistance Grant. **(Freeholder Alexander Mirabella)**
4. Resolution Modifying the 2017 Union County Adopted Budget in the amount of \$59,431.08 as a result of notification received from the State of New Jersey, Department of Environmental Protection for a Program Entitled: Clean Communities Grant. **(Freeholder Alexander Mirabella)**
5. Resolution Modifying the 2017 Union County Adopted Budget in the amount of \$15,000 as a result of notification received from the North Jersey Transportation Planning Authority (NJTPA) for a Program Entitled: Subregional Support Program. **(Freeholder Alexander Mirabella)**
6. Resolution Modifying the 2017 Union County Adopted Budget in the Amount of \$208,652 as a Result of Notification for additional funds received from the State of New Jersey, Department of Community Affairs for a Program Entitled: Community Service Block Grant (CSBG). **(Freeholder Alexander Mirabella)**

DEPARTMENT OF HUMAN SERVICES

Frank Guzzo, Director

There were no questions or comments by the Board.

1. Amending Resolution 2017-236 to award an additional \$18,349 in Juvenile Detention Alternative Initiative (JDAI) grant funding to Prevention Links Inc., Roselle, New Jersey, for a new subcontract total not to exceed \$117,800, as an approved allocation from the Juvenile Justice Commission to provide additional Family Engagement Services based on the Juvenile Justice Commission Points of Continuum: Detention and Disposition, for the same grant period of January 1, 2017 through December 31, 2017 with no other changes to agreement. **(Freeholder Vernell Wright)**
2. Authorizing the County Manager to renew the Shared Services Agreement with Essex Regional Educational Services Commission, Fairfield, New Jersey, to provide state mandated education programs for the residents housed in the Union County Juvenile Detention Center for the period of September 1, 2017 through August 31, 2018 in the total amount not to exceed \$833,055. **(Freeholder Bette Jane Kowalski)**

3. Authorizing the County Manager to award the proposed contract obtained through advertised public bidding in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq: Department of Human Services / Paratransit System: Shepard Bros, Inc., Canandaigua, New York, for the purchase of three (3) ten passenger buses with two wheelchair positions in the total amount not to exceed \$160,494. **(Freeholder Bette Jane Kowalski)**
4. Amending Resolution 2017-232, adopting the FY2016 SuperNOFA Continuum of Care (CoC) Spending Plan, to change the grant time frame for the Elizabeth Housing Authority subcontract 17-CoC-120 to May 1, 2017 through April 30, 2018, as approved by the US Department of Housing & Urban Development (HUD), with no change in funding and no further changes to the spending plan. **(Freeholder Bette Jane Kowalski)**
5. Authorizing the County Manager to renew the Shared Services Agreement with the County of Mercer for the purposes of providing secure detention beds for its juvenile detention population at the Union County Juvenile Detention Center, on an as needed basis, effective for the initial period commencing upon the date on which both parties have fully executed the Agreement and concluding on August 31, 2018 at a per diem rate of \$225.00 per juvenile as specified in the Shared Services Agreement. **(Freeholder Bette Jane Kowalski)**
6. Authorizing the County Manager to award 2017-18 Homeless Trust Fund (HTF) renewal subcontracts for the seven month budget period of September 1, 2017 through March 31, 2018 in the total amount not to exceed \$125,000 to deliver services as permitted by the Homeless Trust Fund regulations (P.L. 2009 Chapter 123 State Law); further authorizing the transfer of funds among the various agencies during the contract period should service needs change and/or if any of the agencies fails to meet its contractual obligation. **(Freeholder Mohamed S. Jalloh)**
7. Amending Resolution 2016-592, approving the 2016-2017 HEARTH Emergency Solutions (HES) Grant Program Spending Plan, to reflect an extension of five (5) months for subcontracted services to be provided during the new grant period of August 1, 2017 through December 31, 2017 with no change in funding and no other changes to the spending plan agreements. **(Freeholder Bette Jane Kowalski)**
8. Authorizing the County Manager to enter into an agreement with NJ Transit to secure SFY18 grant funding in the amount of \$847,928 for the Senior Citizens and Disabled Residents Transportation Assistance Program (SCDRTAP) for the period of January 1, 2018 through December 31, 2018 for the provision of curb-to-curb transportation for seniors age sixty and older, persons with disabilities and/or economically disadvantaged residents of Union County. **(Freeholder Vernell Wright)**
9. Amending Resolution Number 2017-597, in accordance with the 2016-2018 Area Plan, to reflect an increase in the amount of \$452,685 for a new grand total not to exceed \$5,098,506 to be allocated as outlined and charged to account numbers specified for the same contract year two period of January 1, 2017 through December 31, 2017 with no other changes to the 2016-2018 Area Plan. **(Freeholder Vernell Wright)**
10. Amending Resolution 2017-574 to reflect a 2017 Community Services Block Grant (CSBG) award increase in the amount of \$179,829, for a new grand total of \$680,507, to be allocated

as specified in the 4th amended 2017 CSBG Spending Plan with no other changes to terms of agreements. **(Freeholder Bette Jane Kowalski)**

DEPARTMENT OF PARKS AND RECREATION

Ron Zuber, Director

1. Amending Resolution Number 2014-776, a Professional Engineering Service Contract with Rees Jones, Inc., of Montclair, New Jersey to provide Design and Construction Administration Services for the Ashbrook Golf Course Bunker and Irrigation System Improvement Project, to reduce the original contract amount by (\$50,000.00) for a new contract amount not to exceed \$171,026.00. (Union County Engineering Project Number 2014-028). **(Vice Chairman Sergio Granados)**
2. Amending Resolution Number 2016-860, a contract awarded through the advertised public bidding in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq., to Total Turf Golf Services, Inc., for The Learning Center and 9 Hole Golf Course Renovation at Galloping Hill Golf Course, approving Change Order Number 1 (final) to reduce the original contract amount by (\$500.00) for a new contract amount not to exceed \$427,652.50. (Union County Engineering Project Number 2015-023) **(Vice Chairman Sergio Granados)**
3. Amending Resolution Number 2016-257, a Professional Construction Management Service Contract with Cumming Construction of Cranford, New Jersey to provide construction management services associated with the Ash Brook Golf Course Clubhouse Project located in Scotch Plains, New Jersey for an additional amount not to exceed \$608,986.00 for a new contract amount not to exceed \$1,208,986.00. (Union County Engineering Project Number 2015-035) **(Vice Chairman Sergio Granados)**

Freeholder Jalloh asked what is the reason for almost doubling the contract amount.

Director Zuber called upon Division Director Sanchez. Mr. Sanchez advised the original design estimate a 12,000 square foot facility. He advised the County opted to go out to bid for a 20,000 square foot facility. He added that the bid estimate for the construction of the project is \$8.9 million, noting that the 13.5% amount is under the standard 15% cost.

4. Authorizing the County Manager to award the proposed contract obtained through advertised public bidding in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq: Department of Parks and Recreation: CMS Construction, Inc., of Plainfield, New Jersey, for the purpose of providing Tracy Loop Septic System - Watchung Reservation, Borough of Mountainside, County of Union, New Jersey, for an amount not to exceed \$343,025.00. **(Vice Chairman Sergio Granados)**
5. Authorizing the County Manager to enter into an agreement, through the use of the Educational Services Commission Contract #MRESC/AEPA 16-8, with SHAW Sports Turf, Calhoun, Georgia, for the acquisition and installation of the replacement of artificial turf at Glenside Field, Summit, in an amount not to exceed \$525,000. **(Vice Chairman Sergio Granados)**
6. Authorizing the County Manager to enter into an agreement with Universal Vending Management of Westfield, New Jersey in accordance with the NJ State Contract #83672 to

provide countywide vending machine services for eight (8) month for the contract period of September 1, 2017 through April 30, 2018. (Revenue Generating) **(Vice Chairman Sergio Granados)**

7. Amending Resolution Number 2016-553, a contract with Aquatic Analysts, Inc. (BA 30-2016) for the Lake Management Program, to include the ponds at the Golf Courses at no additional cost to the contract. **(Vice Chairman Sergio Granados)**
8. Authorizing the County Manager to award the proposed contract obtained through advertised public bidding in accordance with the Local Public Contracts Law, NJSA 40A:11-1 et seq: Department of Park and Recreation: Dakota Excavating Contractor Inc. of Hackensack, New Jersey, for the purpose of providing Cedar Brook Park Artificial Turf Project, City of Plainfield, County of Union, New Jersey, in the amount of \$2,611,266.00 (BA#47-2017; Union County Engineering Project #2014-020). **(Vice Chairman Sergio Granados)**

Freeholder Carter asked for the Director to elaborate on this resolution.

Director Zuber advised that that this sports field in Cedar Brook Park will be one field lined for soccer and football, with a youth soccer field next to the main field. He advised that the field will be near the main parking lot in Cedar Brook Park. He further added that the field will have a lighting component. He noted that there will be irrigation issues with the project, but was confident that the project will be completed by next summer.

Freeholder Carter asked if the field will also be lined for lacrosse.

Director Zuber stated that it currently does not include that component. He advised that they could add such without any issues, noting that they can line for up to three sports.

9. Authorizing the County Manager through the Office of Cultural & Heritage Affairs to execute any and all agreements for the 2017 HEART (History, Education Arts Reaching Thousands) Grant Program for the total allocated amount of \$100,000.00 to 61 recipients. **(Vice Chairman Sergio Granados)**

Chairman Bergen made comments relative to the 2017 HEART grants, noting that he was glad to see the County moving forward with these grants as he receives letters throughout the year thanking the Board for the program. He stated that the grants are in the amount of \$600-\$2,500, noting that there were 61 recipients this year.

Director Zuber thanked the Board on behalf of the Advisory Counsel for the Board's support. He stated that the Counsel reviewed 61 applications and all were approved for an allocation.

DEPARTMENT OF PUBLIC SAFETY

Andrew Moran, Director

Division Director Christopher Scutaro represented the Department.

There were no questions or comments by the Board.

1. Authorizing the County Manager to designate the certain public safety equipment as no longer needed for County purposes and authorizes the County Manager to dispose of the equipment in accordance with N.J.S.A. 40A:11-36. **(Freeholder Linda Carter)**
2. Authorizing the County Manager to donate certain surplus public safety equipment to the Borough of Garwood as it is no longer needed for County purposes pursuant to N.J.S.A.40A:11-36(2). **(Freeholder Linda Carter)**
3. Authorizing the County Manager to enter into a contract with Spec. Rescue International, Virginia Beach, Virginia, to provide Task Force Safety Officer Training to 40 members of the Metro Urban Search and Rescue (MUSAR) Task Force from the Urban Area Security Initiative (UASI) Region, through the 2016 UASI Grant, in an amount not to exceed \$23,475.00. **(Freeholder Linda Carter)**
4. Authorizing the County Manager to enter into a contract with Spec. Rescue International, Virginia Beach, Virginia, to provide Structural Collapse Operations Bridge Training to 33 members of the Metro Urban Search and Rescue (MUSAR) Task Force from the Urban Area Security Initiative (UASI) Region, through the 2015 UASI Grant, in an amount not to exceed \$34,995.00. **(Freeholder Linda Carter)**
5. Amending Resolution 2015-686, a contract with V-Comm for the provision of FCC Radio Licensing services, to further extend the contract with V-Comm for one 24 month period in an amount not to exceed \$40,000.00. **(Freeholder Linda Carter)**
6. Authorizing the County Manager to exercise the option to extend a Service Agreement with Ambulance Reimbursement Systems, Inc., Allentown, PA, for the contract period of twelve (12) months, commencing on November 1, 2017 through October 31, 2018, for the provision of EMS billing and collection services, honoring the original terms of the compensation agreement in an amount not to exceed \$55,000.00. **(Freeholder Linda Carter)**
7. Authorizing the County Manager to enter into a contract with LPP Consulting, Ardsley, NY, to provide technical support and ensure HSEEP compliance for a Full Scale Exercise involving Urban Area Security Initiative (UASI) Region's Decon Task Force. This is funded through the 2015 UASI Grant program, in an amount not to exceed \$25,000. **(Freeholder Linda Carter)**
8. Amending Resolution 2015-687, authorizing the County Manager to expend an additional \$24,000.00, with NMS Laboratories, Willow Grove, PA, for post-mortem toxicology lab services, per the original contract term of September 1, 2015 through August 31, 2017. **(Freeholder Linda Carter)**

OFFICE OF THE COUNTY COUNSELRobert Barry, County Counsel

There were no questions or comments by the Board.

1. Amending Resolution 2015-757, to increase the appropriation to LaCorte, Bundy, Varady & Kinsella of Union, NJ in the matter entitled Marissa Taylor-Munger v. UC, et als. in an

amount not to exceed \$10,000.00 for a sum not to exceed \$20,000.00. **(Chairman Bruce H. Bergen)**

2. Amending Resolution 2016-978, to increase the appropriation to Bauch, Zucker, Hatfield of Springfield, NJ in the matter entitled Stephen Repella v. UC, et als. in an amount not to exceed \$10,000.00 for a sum not to exceed \$40,000.00. **(Chairman Bruce H. Bergen)**
3. Amending Resolution 2016-228, to increase the appropriation to Palumbo, Renaud & DeAppolonio of Cranford, NJ in the matter entitled Wanda Minch v. UC, et als. in an amount not to exceed \$10,000.00 for a sum not to exceed \$20,000.00. **(Chairman Bruce H. Bergen)**
4. A Resolution appointing Bauch Zucker Hatfield of Springfield, NJ as special counsel to represent the County of Union in the matter entitled Farnia Bashaw v. UC, et. al, in an amount not to exceed \$10,000.00. **(Chairman Bruce H. Bergen)**
5. A Resolution appointing LaCorte Bundy Varady & Kinsella of Union, NJ as special counsel to represent Charles Gillon in the matter entitled Farnia Bashaw v. UC, et. al, in an amount not to exceed \$10,000.00. **(Chairman Bruce H. Bergen)**
6. A Resolution appointing Florio, Kenny & Raval, LLP of Hoboken, NJ as special counsel to represent Katherine Young in the matter entitled Farnia Bashaw v. UC, et. al, in an amount not to exceed \$10,000.00 **(Chairman Bruce H. Bergen)**

OFFICE OF THE COUNTY MANAGER

Alfred J. Faella, County Manager

County Manager Faella stated that he may have two possible resolutions to add relative to entering into a collective bargaining agreement with the CWA and Parks Maintenance union. He advised that he may have another resolution to add relative to a concurring resolution with the Department of Transportation for a piece of property they are interested in.

1. Authorizing the County Manager to sign any and all documents necessary to enter into a Collective Bargaining Agreement with IBEW Local 1158--Prosecutor Exclusionaires, effective January 1, 2016 through December31, 2018. **(Chairman Bruce H. Bergen)**

FREEHOLDER SPONSORED RESOLUTIONS

1. Extending the Board's deepest condolences to the family of Paul Scott, Sr., who passed away on July 18th. **(Freeholder Linda Carter)**
2. Congratulating the Ecuadorian community upon their Flag Raising Ceremony in Plainfield on August 4, 2017. **(Freeholder Linda Carter)**
3. Congratulating and extending the Board's gratitude to Frank Guzzo, Director of Human Services for over 42 years of dedicated and outstanding service to the County of Union and its residents; and further wishing him a happy and healthy retirement. **(Freeholder Christopher Hudak & the Entire Board)**

4. Congratulating Mark A. Gioioso of Boy Scouts of America, Troop 75, Cranford, upon attaining the rank of Eagle Scout. **(Freeholder Bette Jane Kowalski & Freeholder Christopher Hudak)**
5. Proclaiming the month of September 2017 as Affordable Housing Awareness Month throughout the County of Union. **(Freeholder Bette Jane Kowalski)**
6. Proclaiming Friday, September 15th as POW/MIA Remembrance Day throughout the County of Union. **(Freeholder Alexander Mirabella)**
7. Appointing Shahrzad (Sherry) Heidary to the Union County Commission on the Status of Women for a term beginning January 1, 2017 through December 31, 2019. **(Freeholder Vernell Wright)**
8. Congratulating Wilfred Wainaina, a direct support professional at the Union Autism Day Program upon being selected as the 2016 New Jersey Center for Family Support Employee of the Year. **(Vice Chairman Sergio Granados)**
9. Extending the Board's deepest condolences to the family of Edward Sisk upon his passing. **(Chairman Bruce H. Bergen & The Entire Board)**
10. Congratulating the award recipients of the Greater Elizabeth Chamber of Commerce at their Annual Dinner Cruise on September 13, 2017. **(Chairman Bruce H. Bergen & The Entire Board)**
11. Congratulating the Springfield Minutemen 11U and 14U baseball teams on their Championship season. **(Chairman Bruce H. Bergen)**
12. Proclaiming August 26, 2017 as Women's Equality Day throughout the County of Union. **(Chairman Bruce H. Bergen & The Entire Board)**
13. Congratulating Mark Bannworth upon retiring from the Union County Medical Examiner Office as a Medicolegal Death Investigator on September 1, 2017; and further extending the Board's gratitude for his dedicated service to Union County. **(Chairman Bruce H. Bergen & The Entire Board)**

Freeholder Carter advised that she would have a condolence resolution and a laudatory resolution to add to the Regular Meeting.

Freeholder Jalloh advised that he would have an additional resolution to add to the Regular Meeting.

Vice Chairman Granados advised that as a result of the Fiscal Subcommittee, he would have some additional resolutions for sponsorships to add to the Regular Meeting.

Freeholder Hudak advised that he would have a condolence resolution and a laudatory resolution to add to the Regular Meeting.

Chairman Bergen advised that the resolution that was the subject of the Special Meeting (that was cancelled) may or may not be placed on the agenda, dependent upon if the legal issues are addressed.

ADJOURNMENT

Chairman Bergen asked for a motion to adjourn. On a motion made by Freeholder Carter and seconded by Freeholder Kowalski, a voice vote showed seven members of the Board voted in the affirmative, with Freeholders Carter and Hudak absent. The meeting was adjourned at 7:54pm.

UNION COUNTY BOARD OF CHOSEN FREEHOLDERS 2017 MEETING SCHEDULE

Please note that meetings are regularly held on Thursday evenings. Agenda Setting Sessions and Regular Meetings are held at 7:00pm in the Freeholders' Meeting Room, Administration Building, 10 Elizabethtown Plaza, 6th Floor, Elizabeth, New Jersey, unless otherwise specified. In the event an Agenda Setting Session and Regular Meeting are held on the same night, the Agenda Setting Session will commence at 7:00 pm and the Regular Meeting will commence as soon as possible after the Agenda Setting Session.

Persons requiring a sign language interpreter should contact the Office of the Clerk of the Board at 908-527-4140.

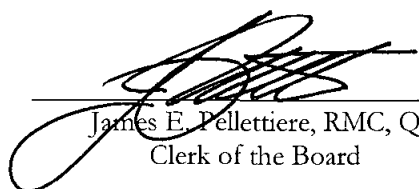
REORGANIZATION MEETING - SUNDAY, JANUARY 8, 2017 AT 12:00 NOON
ASSIGNMENT JUDGE KAREN M. CASSIDY'S COURTROOM, 2 BROAD STREET, ELIZABETH, NJ

AGENDA SETTING SESSIONS

January 19, 2017
February 2, 2017
February 23, 2017
March 2, 2017
March 16, 2017
April 6, 2017
April 20, 2017
May 4, 2017
May 25, 2017
June 1, 2017
June 15, 2017
July 13, 2017
August 10, 2017
September 7, 2017
September 28, 2017
October 5, 2017
October 19, 2017
November 9, 2017
November 30, 2017
December 14, 2017

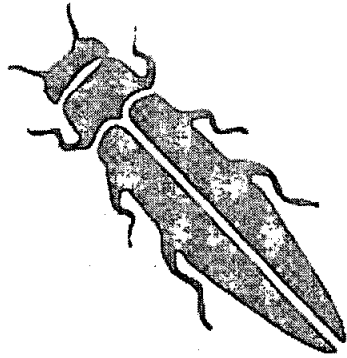
REGULAR MEETINGS

January 26, 2017
February 9, 2017
February 23, 2017
March 9, 2017
March 23, 2017
April 13, 2017
April 27, 2017
May 18, 2017
May 25, 2017
June 8, 2017
June 22, 2017
July 20, 2017
August 17, 2017
September 14, 2017
September 28, 2017
October 12, 2017
October 26, 2017
November 21, 2017 (Tuesday)
December 7, 2017
December 21, 2017



James E. Pellettiere, RMC, QPA
Clerk of the Board

8/10/17 Presentation



Emerald Ash Borer

in New Jersey

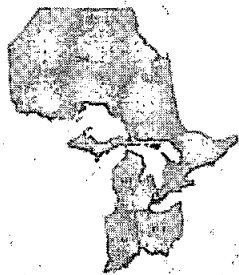
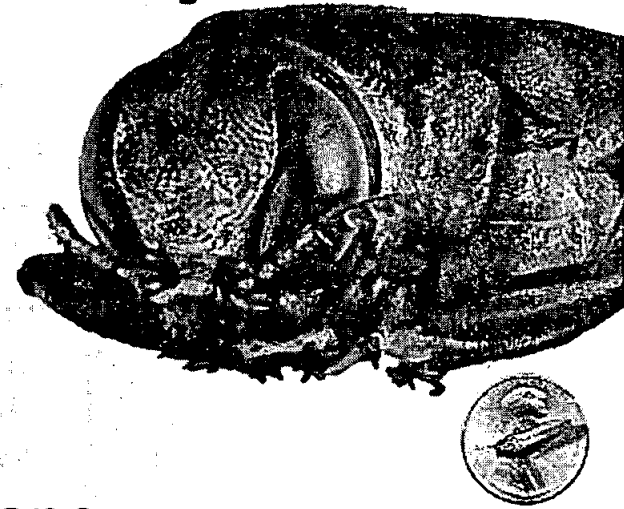
NJ Department of Agriculture Emerald Ash Borer Task Force

**Presented by: Madeline Flahive DiNardo
Rutgers Cooperative Extension of Union County
August 10, 2017**

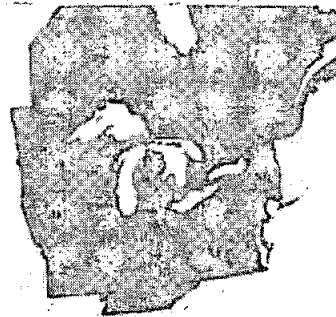
Emerald Ash Borer (EAB)

History of the spread

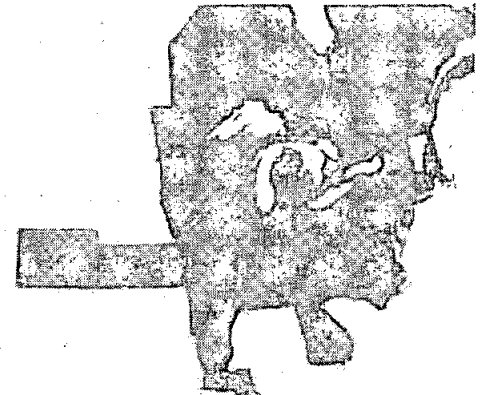
- First discovered in Michigan in 2002
- Infestation likely to have started in 1990's
- Has killed tens of millions of ash in Michigan alone
- Spread to 24 additional states, killing hundreds of millions of ash



2005



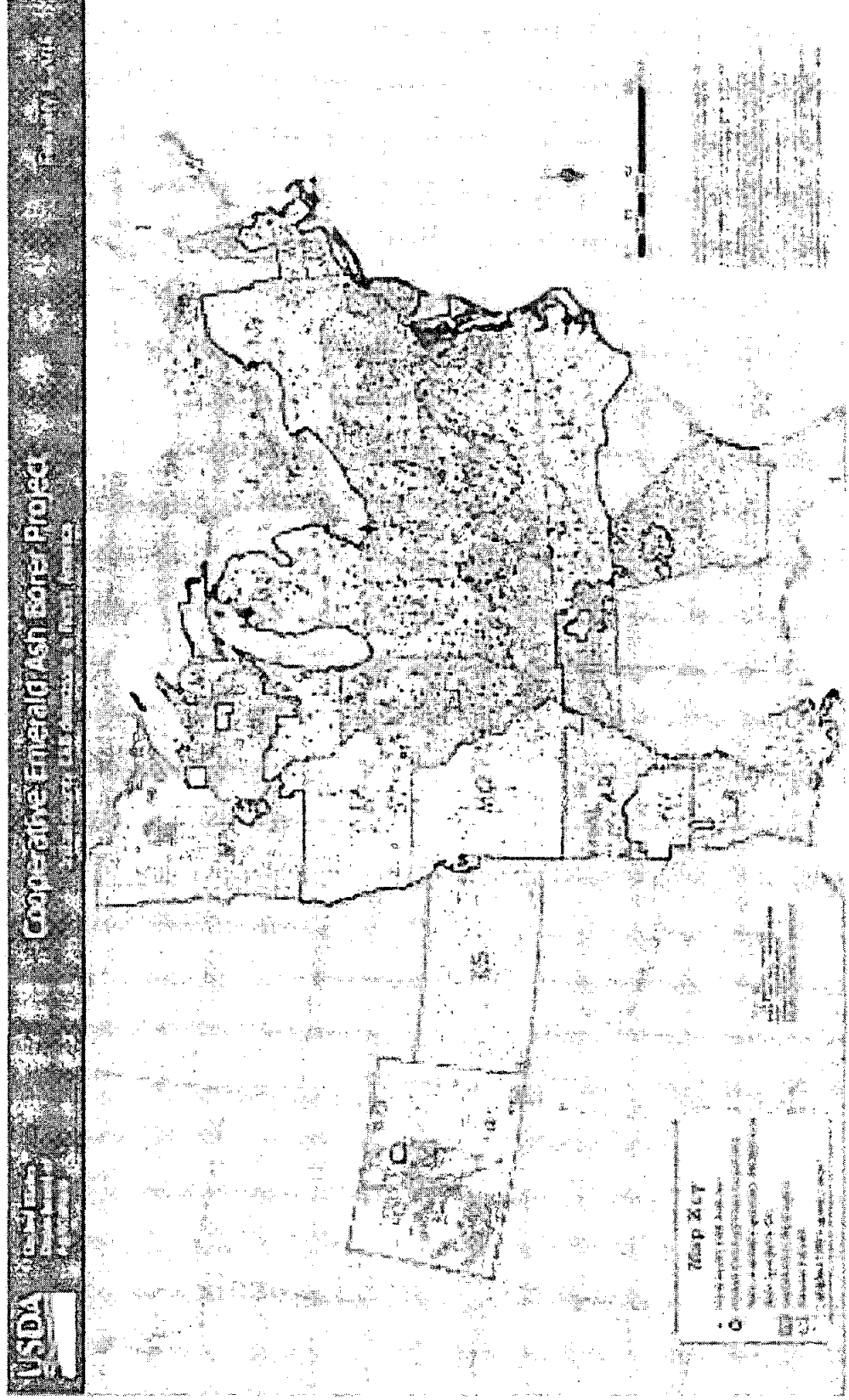
2010



2015

Emerald Ash Borer (*Agrilus planipennis*)

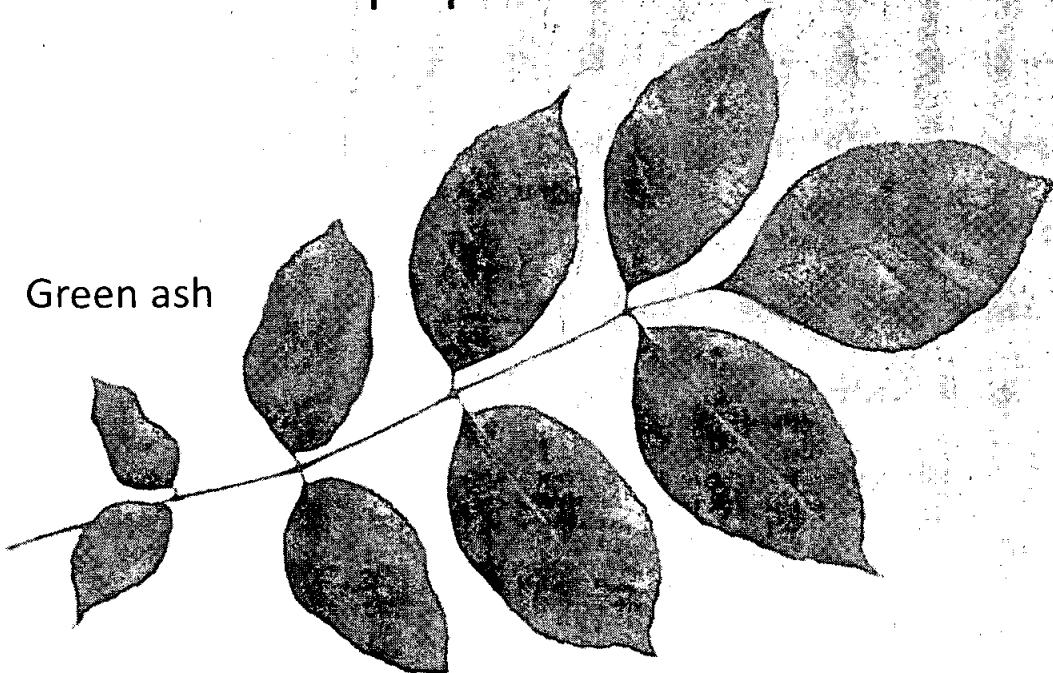
EAB Federal Quarantine



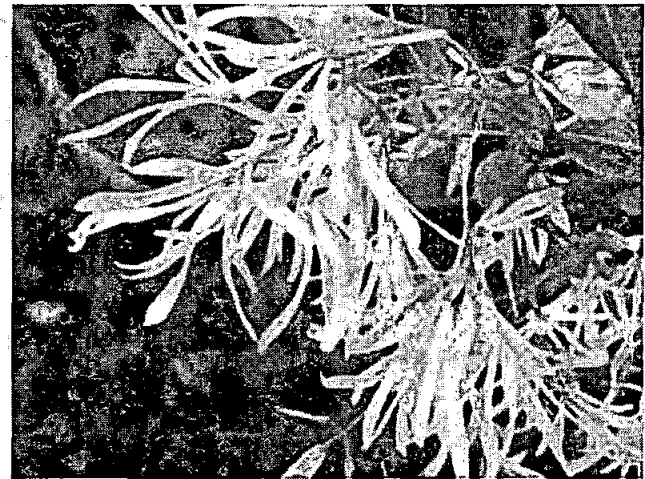
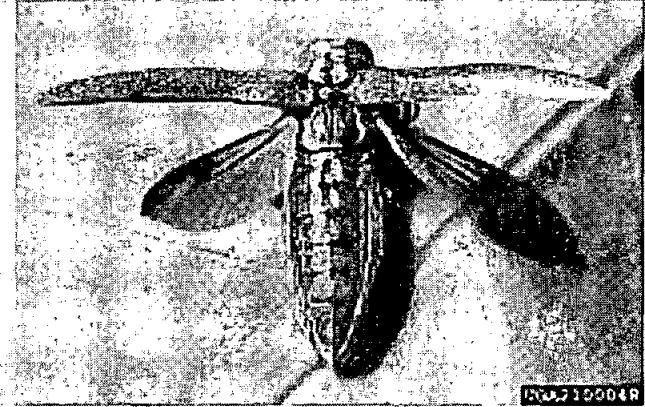
Emerald Ash Borer (EAB)

Background

- Native to Asia
- Primarily infests true ash in North America
- Will infest white fringetree
- Infestations move ≈ 1 mile per year
- Humans help spread EAB much further



Green ash



White Fringetree

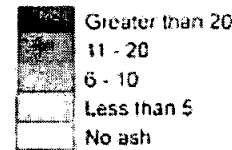
Emerald Ash Borer (EAB)

Ash distribution in NJ

- NJ has over 24 million Ash trees in forested areas
- Green, White, Black, and Pumpkin Ash found in NJ
- Ash is a commonly planted tree

Distribution of Ash on Forest land

Basal area
(ft²/acre)



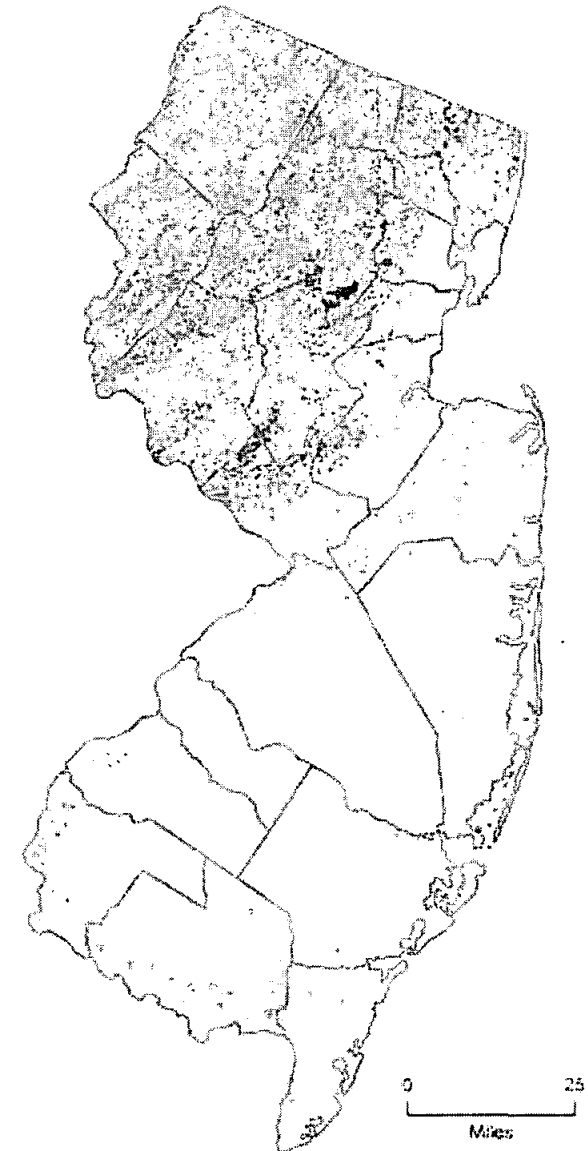
Processing note: This map was produced by linking plot data to NAD01S satellite pixels (250 m) using gradient nearest neighbor techniques. The resulting image was resampled to 500 m pixels.

Projection: Albers Equal Area Conic, NAD83.
Source: U.S. Forest Service, Forest Inventory and Analysis program. Geographic base data provided by the National Atlas of the USA. FIA data and mapping tools are available on-line at <http://datacom.fs.fed.us>. Data credit: B. T. Wilson and D. Griffith Cartography, S.J. Cropper, Jan. 2011.

Disclaimer: Information displayed on this map was derived from multiple sources. FIA maps are only for graphic display to meet general reporting purposes. Inquiries concerning information displayed on FIA maps, their sources and intended uses should be directed to:



USDA Forest Service
Northern Research Station
1992 Folwell Ave., St. Paul, MN

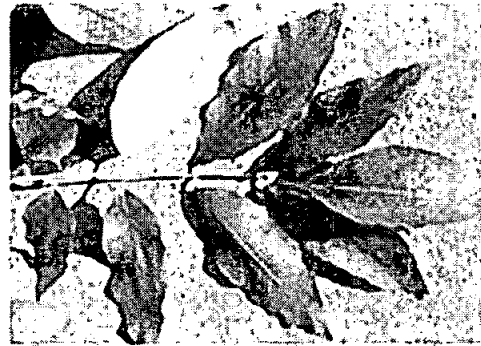


0 25
Miles

Ash Tree I.D.

Fraxinus species
true ash

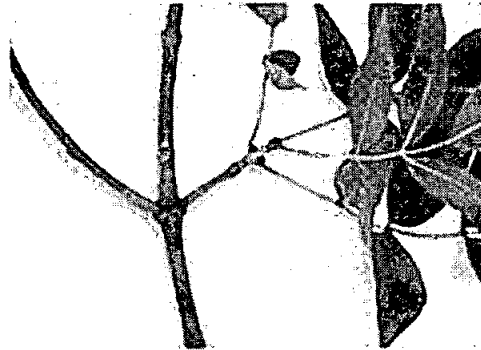
- Opposite branching
- Compound leaf
- Paddle-shaped seed (female trees only)
- Diamond shaped bark



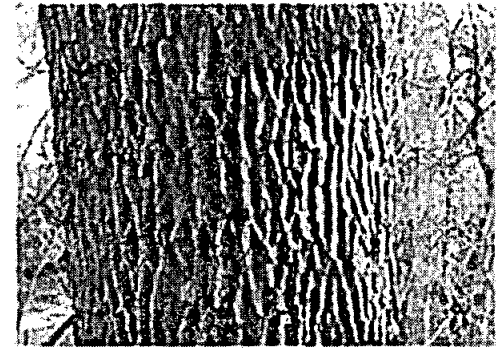
1. Leaves are compound and composed of 5 to 11 leaflets.



2. Seeds on female trees are paddle shaped

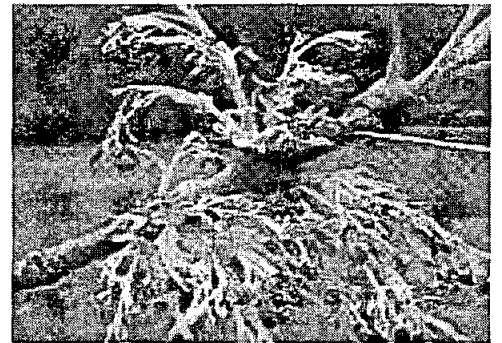
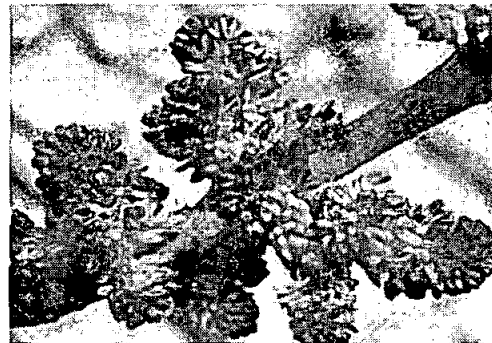


3. Branches and buds are in pairs directly across from each other (opposite branching)



4. Mature bark has diamond-shaped ridges

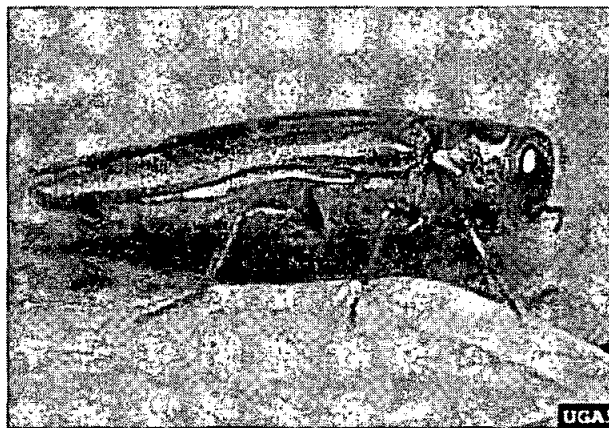
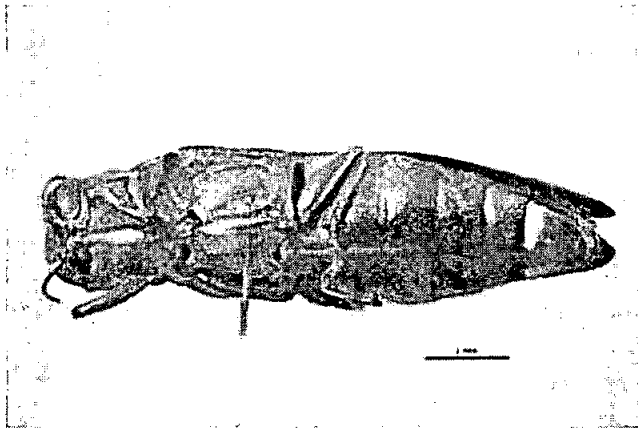
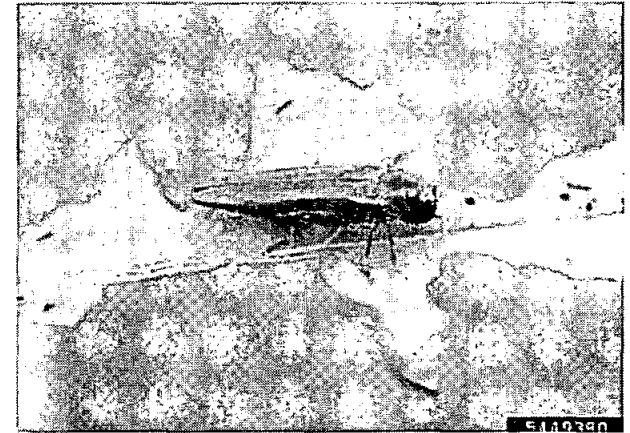
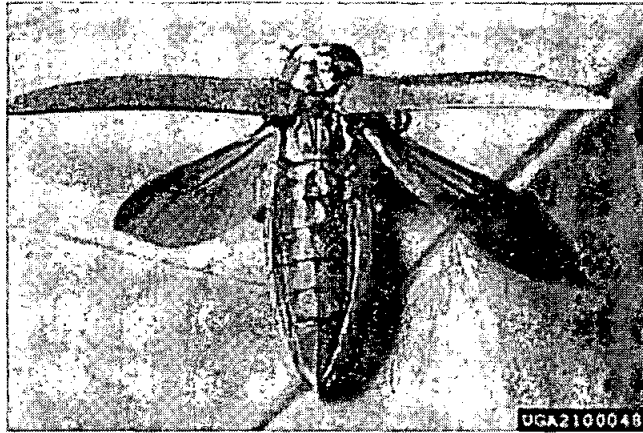
Iowa State University - University Extension, WSU21, Jan 2011



Adult

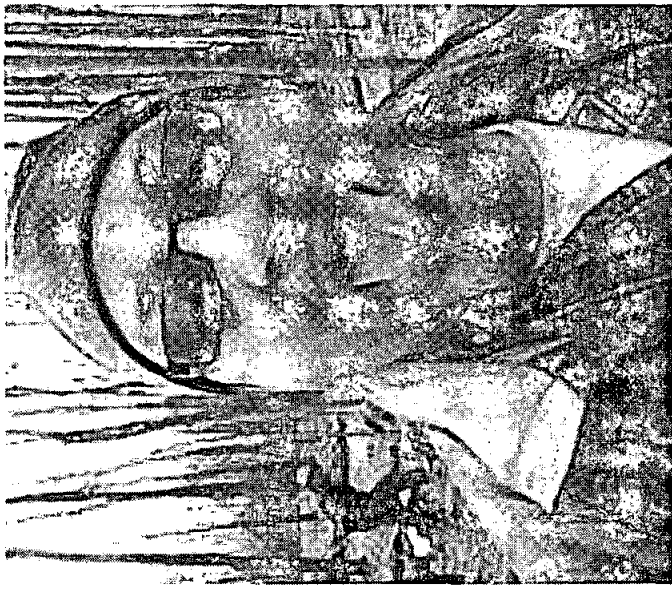
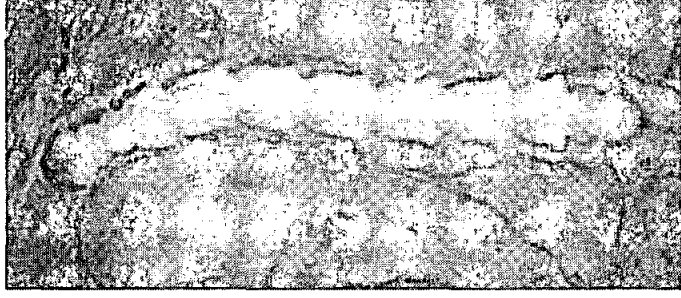
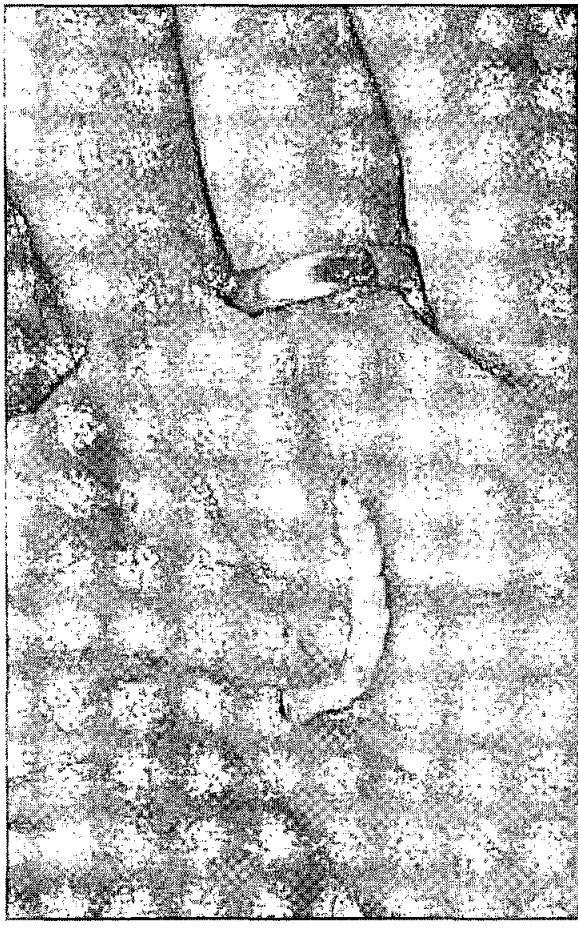
Active May - August

- Bullet shaped body
- Metallic green in color
- 1/2" long 1/8" wide

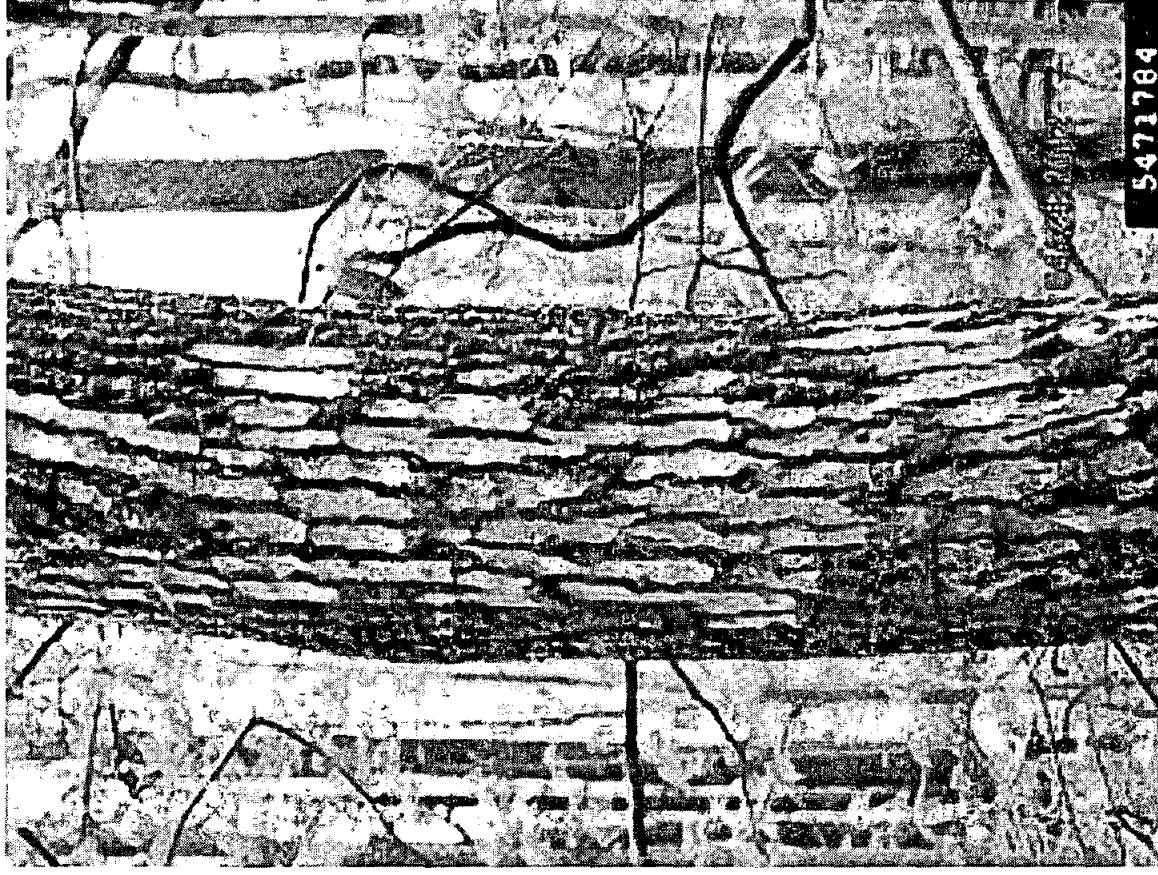


Larvae

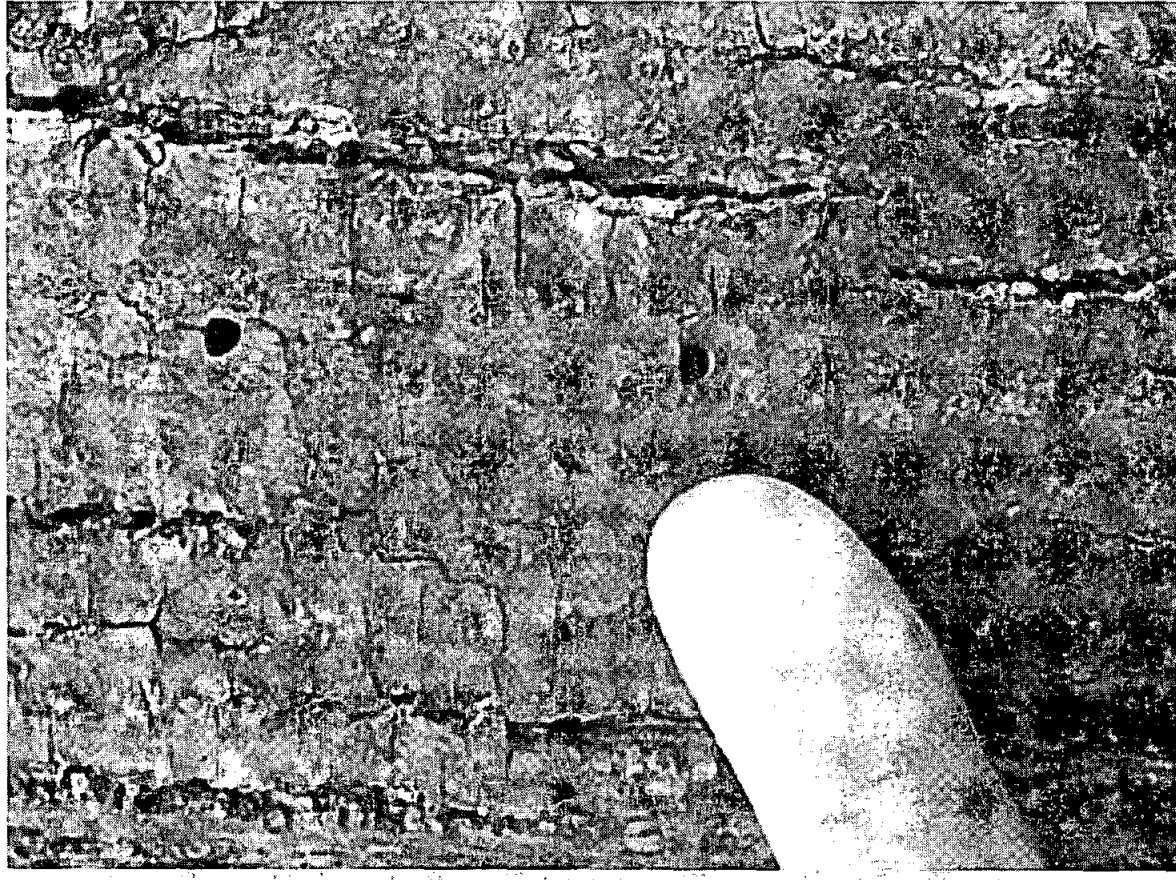
- White/cream color
- Bell-shaped segments
- Up to 1-1.3" long
- 4 larval stages



Bark Flecking

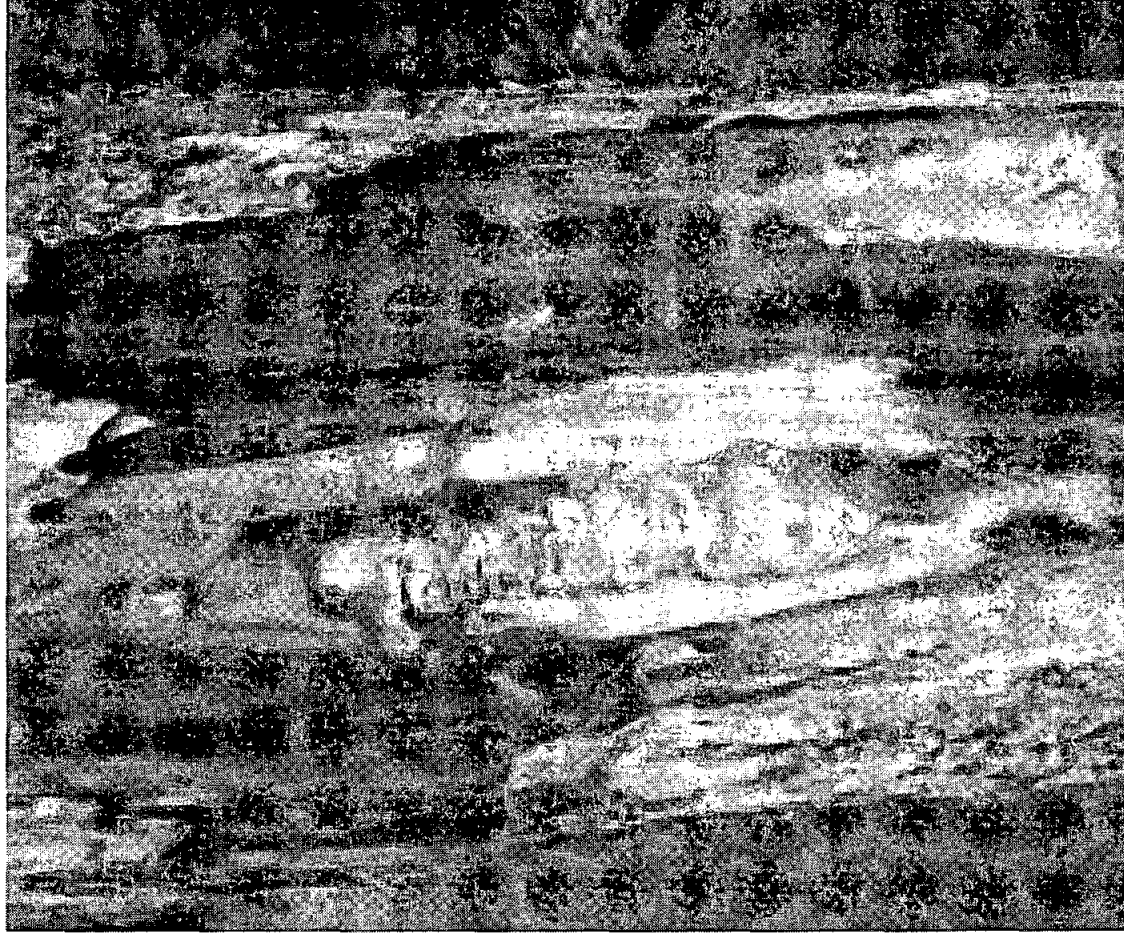


D-shaped exit holes

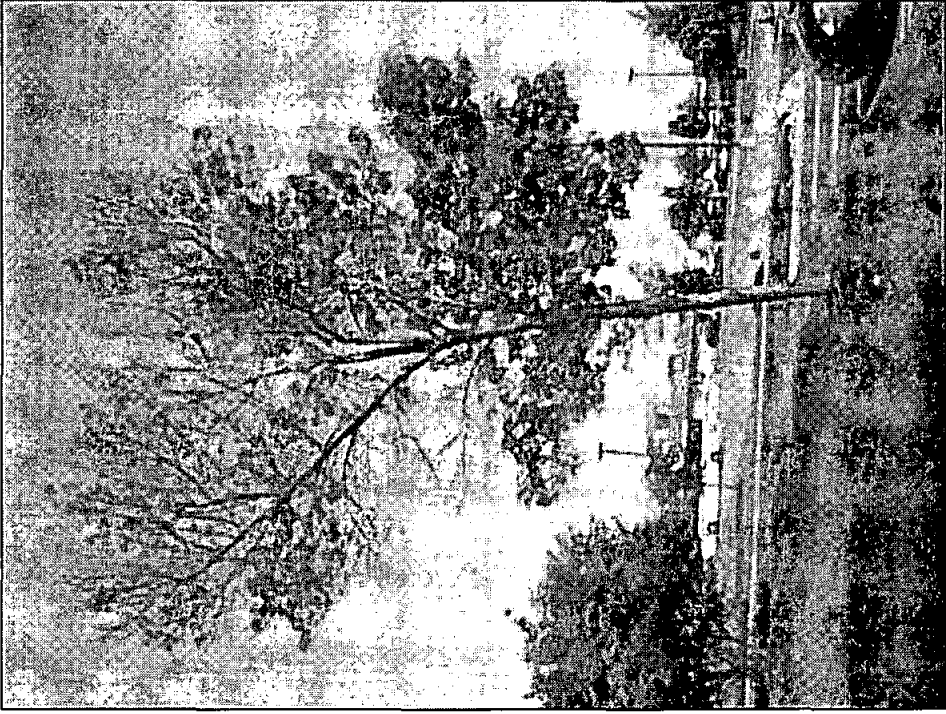


Galleries

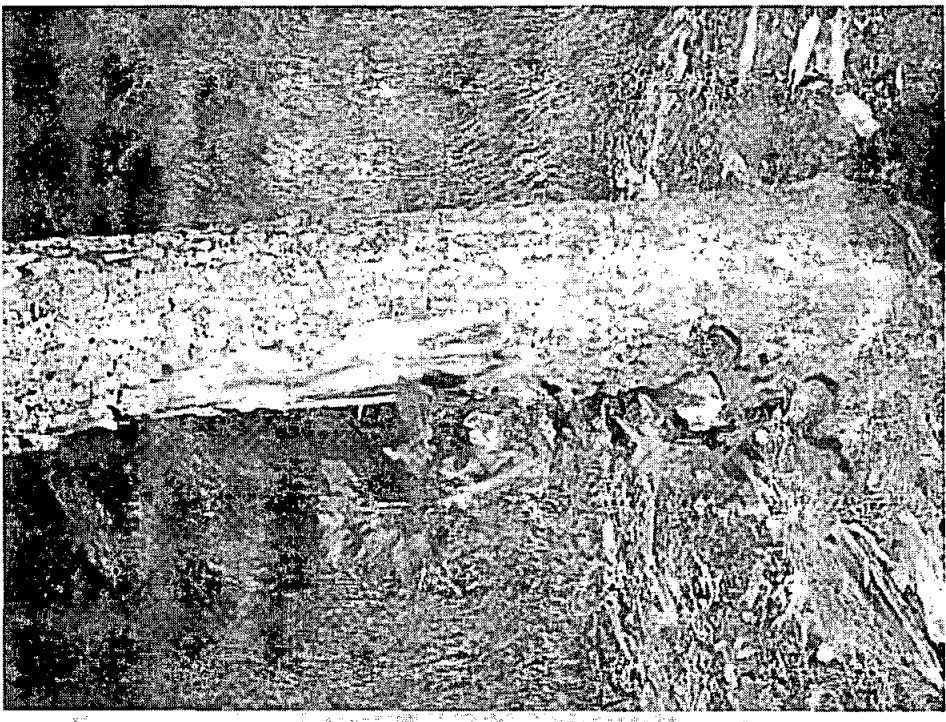
Bark Cracks



Crown Dieback and Epicormic Sprouts



Crown dieback



Epicormic sprouts

Emerald Ash Borer (*Agrilus planipennis*)

Detection Methods

Traps

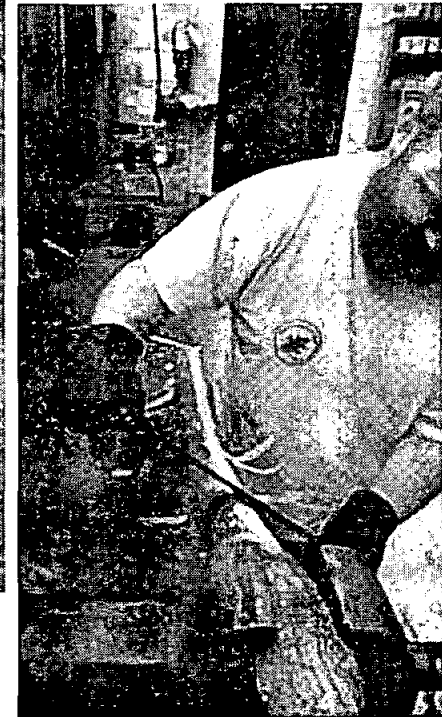
- Purple sticky traps
- Green funnel traps
- Six traps in Union County

Visual

- Woodpecker flecking
- Bark cracks

Detection/trap trees

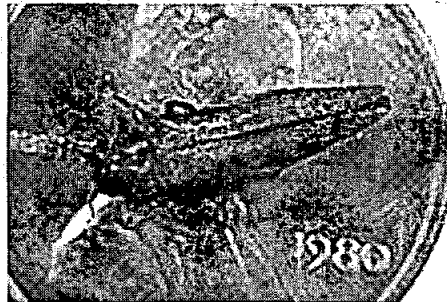
- Girdle in late spring/early summer
- Cut and peel in winter/spring before adults emerge



Emerald Ash Borer in NJ

Detected in 52 municipalities

- First detected in 2014 in Bridgewater and Hillsborough
- Statewide quarantine
- Delimiting Survey
- Develop an EAB Task Force
- NJ specific EAB website



www.emeraldashborer.nj.gov

EAB Detections in New Jersey

SUSSEX

2017 Montague Tap

WARREN

2017 Harmony Tap
2017 Isdelich Tap

HUNTERDON

2016 West Amwell Tap
2017 Alexander Tap
2017 Solawick Tap

SOMERSET

2014 Bridgewater Tap
2014 Hillsborough Tap
2015 Franklin Tap
2016 Spring House Farm
2016 South House Brook Farm

MERCER

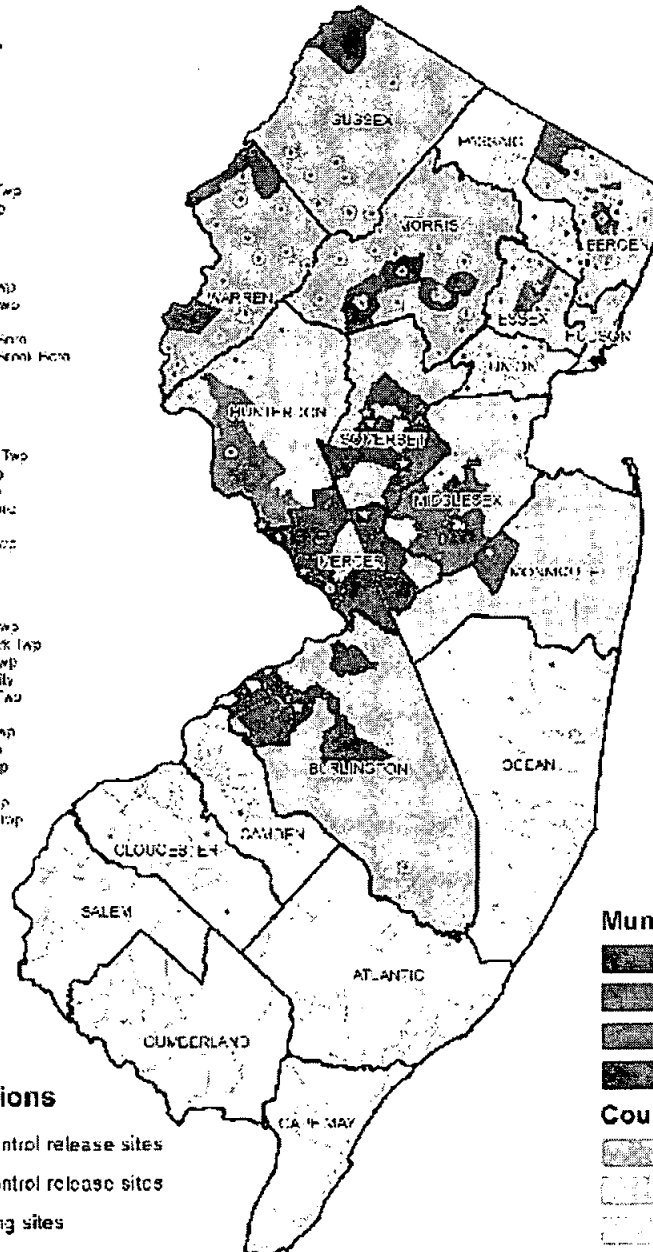
2014 Daring Tap
2015 Hamilton Tap
2015 West Windsor Tap
2016 Trenton Zoo
2016 Hopewell Zoo
2016 Parmingston Zoo
2016 Tuxedo Tap
2017 Rahway Tap
2017 Trenton City

BURLINGTON

2014 Westampton Tap
2016 Hopewell Park Tap
2016 Moorestown Tap
2016 Denville City
2016 Clintonville Tap
2016 Delanco Tap
2016 Eastampton Tap
2016 Mt. Laurel Tap
2016 Marlton Tap
2017 Delran Tap
2017 Willingboro Tap
2017 Southampton Tap
2017 Mansfield Tap

Activity locations

- ☆ 2016 Bio-control release sites
- ★ 2017 Bio-control release sites
- 2017 trapping sites



BERGEN

2015 Hillside Zoo
2016 Edgewater Tap
2016 Hb Hb Hb Farm
2017 RAN Edgc Farm
2017 Paramus Boro
2017 Rockleigh Zoo

MORRIS

2017 Morris Tap
2017 Chester Tap
2017 Harrier Tap
2017 Morristown Tap

HUDSON

2016 Locken City

ESSEX

2016 Morris Air Tap
2017 West Orange Tap

MIDDLESEX

2013 South Brunswick Tap
2015 Newark Tap
2016 Cranbury Tap
2016 Fair Lakes Tap

MONMOUTH

2013 Allentown Boro
2017 Marlboro Tap

Municipalities with EAB

- 2014 county detection
- 2015 county detection
- 2016 county detection
- 2017 county detection

Counties with EAB

- 2014 detection
- 2015 detection
- 2016 detection
- 2017 detection

Updated July 19, 2017

Emerald Ash Borer (*Agrilus planipennis*)

EAB Response Plan

- **Survey**
 - Tree removal
 - Insecticide treatments
- **Biological Control**
- **Wood utilization/disposal**
- **Restoration**
- **Budget – EAB cost calculator**

Survey

Locate and evaluate ash trees

- Location
- Diameter
- Overall health
- Notes
- Select trees for treatment
- Select trees for removal

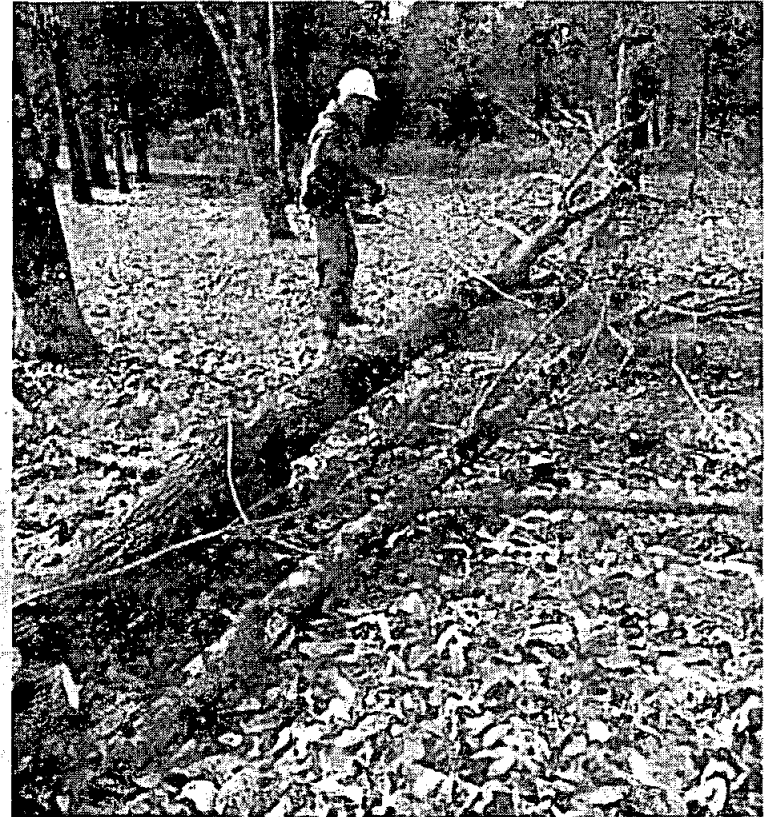


Liberty State Park in Jersey City, NJ

Survey

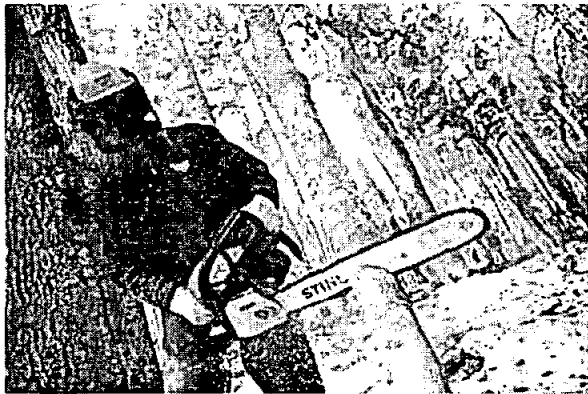
Tree Removal

- Already declining/dead ash trees
- Ash in poor planting locations
- Ash that are not being treated that will pose a risk
- Infested trees

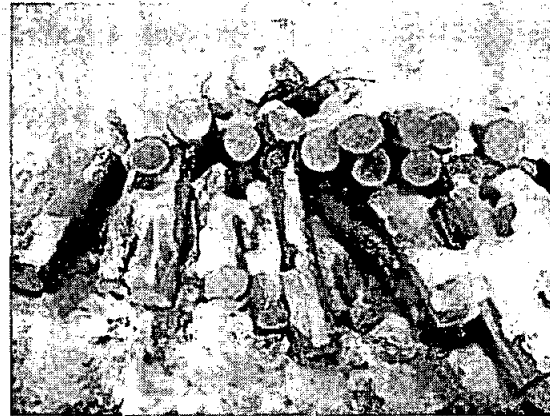


Minimize EAB Spread

Perform tree work September/October thru March/April



EAB adults present
May – August in NJ

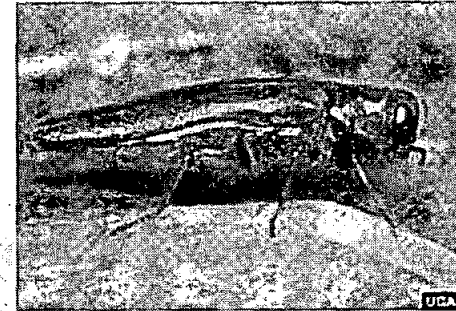


www.emeraldashborer.nj.gov

Survey

Insecticide Treatment

- Select high-value ash trees
- Insure ash are relatively healthy (>70% live crown)
- Cooperate with neighbors to increase tree numbers to reduce costs



Insecticide Treatment

RECOMMENDATION



Insecticide Options for Protecting Ash Trees from Emerald Ash Bore

David A. Horne,
Deborah G. McCulloch,
David R. Strickling,
Clifford S. Sackel,
Whitney Crossman

THE GREEN STATE UNIVERSITY
COLLEGE OF FORESTRY & WILDLIFE
100 UNIVERSITY AVENUE, SUITE 100
SUNY ESSEXVILLE, NY 12122-1000

EMERALD ASH BORER
A NEW PESTICIDE

PURDUE LOCAL OFFICES
Purdue University
100 UNIVERSITY AVENUE, SUITE 100
WEST LAFAYETTE, IN 47907-1300

Colorado State Extension
100 UNIVERSITY AVENUE, SUITE 100
FORT COLLINS, CO 80521-1000

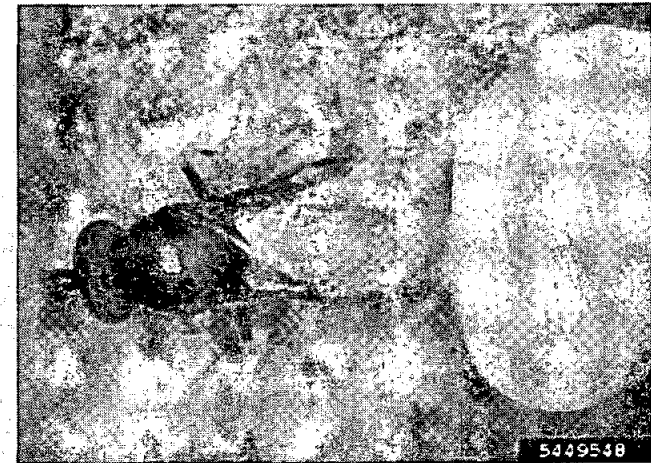
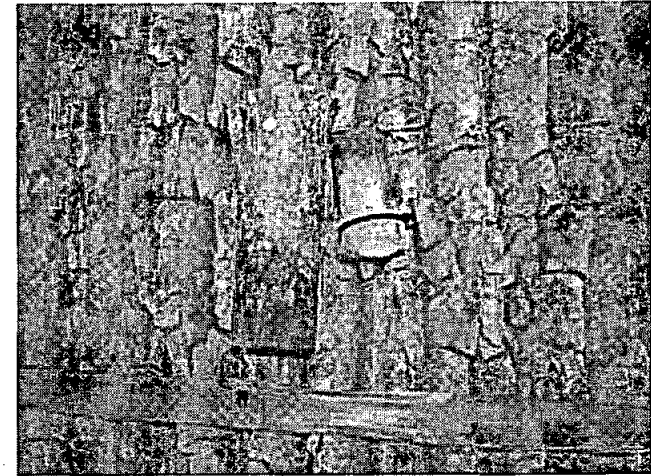
Insecticide Formulation	Active Ingredient	Application Method	Recommended Timing
Products Formulated for Sale to Professionals (Applies to)			
Merit® (75WP, 75WSP, 2F)	Imidacloprid	Soil injection or drench	Early to mid spring or mid fall
Talan® (20 SC)	Dimethoate	Soil injection or drench	Mid to late spring
Transorb® (70WSP)	Dimethoate	Soil injection or drench	Mid to late spring
Xylem® Liquid Systemic Insecticide	Dimethoate	Soil injection or drench	Mid to late spring
Xylect® (2F, 75WSP)	Imidacloprid	Soil injection or drench	Early to mid spring or mid fall
Arado®	Azinphos	Trunk injection	Mid to late spring after trees have leafed out
Imidaclo®	Imidacloprid	Trunk injection	Mid to late spring after trees have leafed out
Tree-Spin®	Emamectin Benzoate	Trunk injection	Mid to late spring after trees have leafed out
Tree-Azin®	Azinphos	Trunk injection	Mid to late spring after trees have leafed out
Talan® (20 SC)	Dimethoate	Systemic tank spray	Mid to late spring after trees have leafed out
Tree-Mat® (70 WSP)	Dimethoate	Systemic tank spray	Mid to late spring after trees have leafed out
Xylem® Liquid Systemic Insecticide	Dimethoate	Systemic tank spray	Mid to late spring after trees have leafed out
Akris®	Permethrin	Preventive trunk, branch, and foliage cover spray	Two applications at 4 week intervals. First spray should occur at 400-550 degree days (DDF, Jan 1), second spray will black beet becoming.
Clay®	Sequestin		
Tempo®	Cyfluthrin		
Tree® SL	Carbaryl		
Products Formulated for Sale to Homeowners			
Bayo Advanced® Tree & Shrub Insect Control	Imidacloprid	Soil drench	Early to mid spring
Opinol®	Imidacloprid	Soil drench	Early to mid spring
Ortho Tree and Shrub Insect Control Ready to Use Granules®	Dimethoate	Granules	Mid to late spring

Posted on our website: www.emeraldashborer.nj.gov
Contact a licensed pesticide applicator for assistance

Biocontrol

Using EAB predators to control/
suppress EAB populations

- Stingless parasitic wasps
 - *Tetrastichus* - larvae parasite
 - *Oobius* - egg parasite
 - *Spathius* – larvae parasitoid
- Criteria:
 - EAB detected in the area
 - 40 + acre tracts
 - >25% ash of various age classes
 - Relatively healthy ash
 - Areas not slated for development, treatments, tree removal



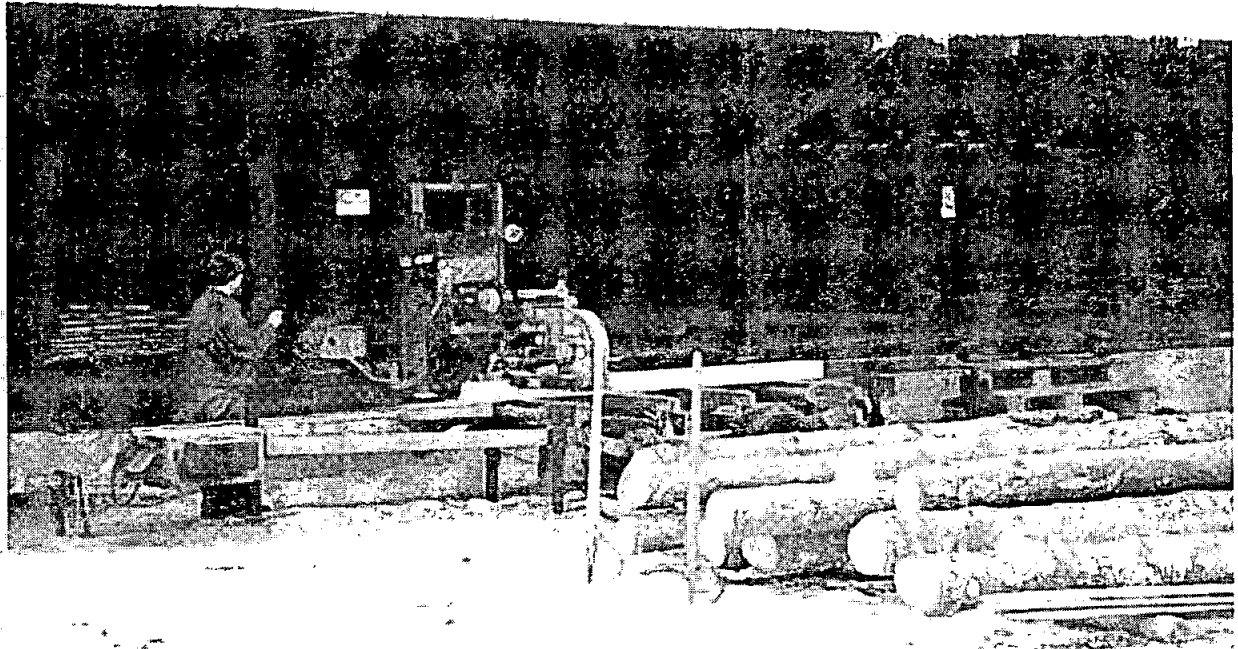
Photos from forestryimages.org

Wood Utilization

- Wood has value!
- Can offset tree removal costs
- Utilize wood to keep it out of landfills/waste

Products can include:

- Lumber
 - Portable sawmill
 - Loggers
- Clean chip
- Mulch
- Pellets



Budget

- Emerald Ash Borer Calculator

<http://int.entm.purdue.edu/ext/treecomputer>

— Adapted for New Jersey

- <https://www.itreetools.org/> US Forest Service

Welcome to the Emerald Ash Borer Cost Calculator 3.0

Get the [January 2017 article](#) in Arboriculture and Urban Forestry that describes how this calculator shows why it is more economical to protect ash trees than to replace them. This version is driven by an EAB [invasion wave model](#) that assumes it takes 8 years from the time EAB is detected in your city until all the untreated ash can no longer be saved with a [pesticide application](#). In this new version you can:

- [Stage](#) your response to an EAB invasion based on the percentage of ash trees that have lost more than 30% of their canopy.
- Evaluate management plans that reduce the frequency of ash treatment after the initial wave of EAB has passed through your forest.
- Compare the annual and cumulative costs and the size of the remaining forest over a 25 year period for ANY management strategy that includes a mixture of tree removal, replacement, and insecticide treatment.
- Generate and share electronic and printed reports of projected costs of up to 3 management strategies at a time.

To run the calculator you will need:

- An inventory of the number and size of ash trees
- An estimate of costs for removing and treating trees based on the size of each tree.
- An estimate of costs for replacing each ash tree that is removed.

Find out how saving trees can be more cost effective by:

- Using the DEMO forest (1600 ash trees) to compare the costs of replacing ash trees as they die, proactive ash removal, and saving larger trees (DBH > 12").

How big of an ash forest will the EAB Cost Calculator handle?

It takes less than 5 seconds for the EAB Cost Calculator to compare management strategies for forests containing up to 3,000 ash trees. To keep comparisons manageable, we won't let it run comparisons that take more than 2 minutes to compute (Approximately 16,500 ash trees). The relationship between forest size and run times are available [here](#).

NJ Rapid Ash Survey

NJ State Forest Service & Rutgers University

Municipality	County	Ash Tree Count	Cost to Remove Unsafe	Cost to Replace All	Cost to Replace < 12"	Average DBH
Highland Park Borough	Middlesex	407	\$467,985	\$617,118	\$556,747	17
New Brunswick City	Middlesex	293	\$220,645	\$318,783	\$345,545	8
South Amboy City	Middlesex	60	\$41,046	\$56,928	\$67,054	11
	County Total	760	\$729,676	\$992,829	\$969,346	

Next Steps – NJ EAB Task Force Recommendations

- **Collaborate and Plan**
 - Local EAB Task Force
 - EAB Plan
- **Action**
 - Complete an inventory of Ash Trees
 - Survey for EAB
 - Notify private woodland owners to encourage them to work with a certified forester to develop plan their property.

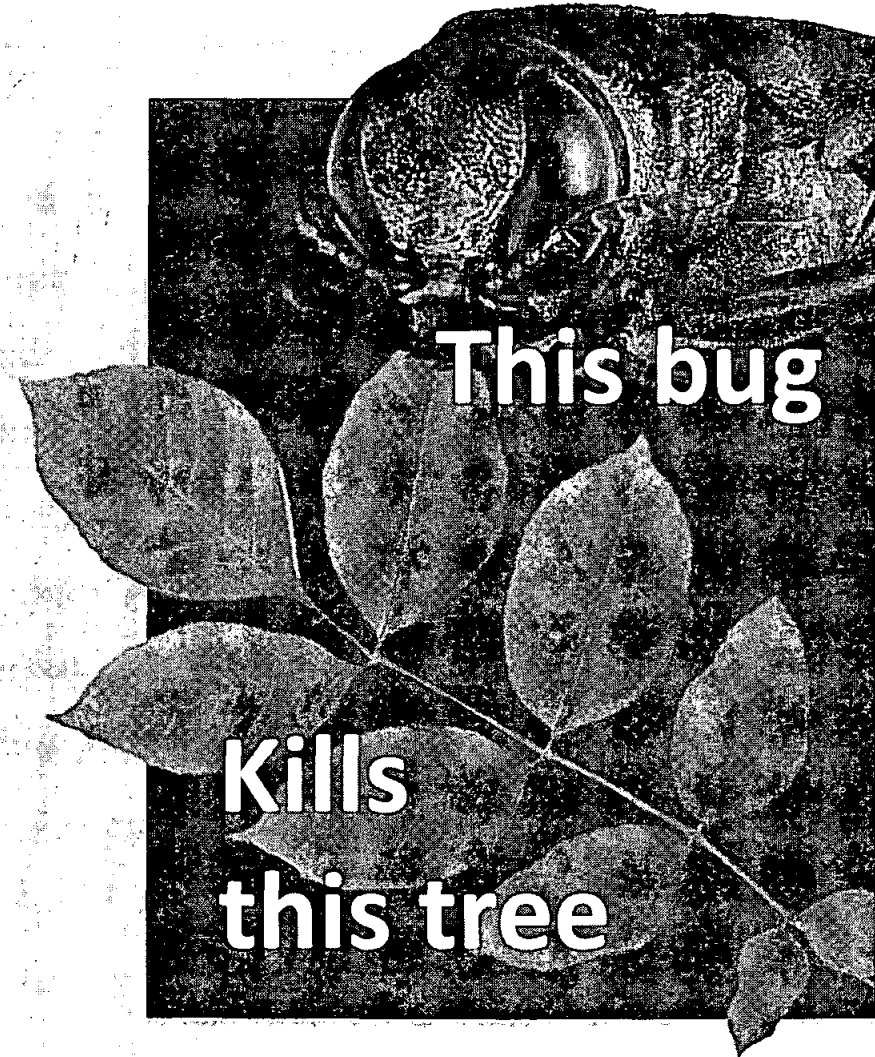
Next Steps – NJ EAB Task Force Recommendations

- **Decide**
 - Treat or remove Ash
 - Budget for the future
 - Don't plant EAB Host Trees
- **Educate**
 - Materials on state EAB website
 - Public Education programs
 - Field Training

Emerald Ash Borer (*Agrilus planipennis*)

The Facts about EAB

- EAB will kill 99% of ash trees
- NJ has over 24 million ash trees
- Spreading costs over multiple years is easier to manage than paying all at once
- Start planning and activities before EAB is detected
- Areas within 10-15 miles of a known EAB find are at high risk for EAB infestation
- Doing something is better than doing nothing





Questions?

www.EmeraldAshBorer.nj.gov

Acknowledgements

- Paul Kurtz, Entomologist
New Jersey Department of Agriculture
- Pam Zipse, Program Coordinator,
Rutgers University Urban Forestry Program

EAB Detections in New Jersey

SUSSEX

2017 Montague Twp

WARREN

2017 Harmony Twp
2017 Hardwick Twp

HUNTERDON

2016 West Amwell Twp
2017 Alexandria Twp
2017 Delaware Twp

SOMERSET

2014 Bridgewater Twp
2014 Hillsborough Twp
2015 Franklin Twp
2016 Bound Brook Boro
2016 South Bound Brook Boro

MERCER

2014 Ewing Twp
2015 Hamilton Twp
2015 West Windsor Twp
2015 Princeton Boro
2015 Hopewell Boro
2016 Pennington Boro
2016 Hopewell Twp
2017 Robbinsville Twp
2017 Trenton City

BURLINGTON

2014 Westampton Twp
2015 Edgewater Park Twp
2015 Moorestown Twp
2016 Bordentown City
2016 Cinnaminson Twp
2016 Delanco Twp
2016 Eastampton Twp
2016 Mt. Laurel Twp
2016 Hainesport Twp
2017 Delran Twp
2017 Willingboro Twp
2017 Southampton Twp
2017 Mansfield Twp

BERGEN

2015 Hillsdale Boro
2016 Mahwah Twp
2016 Ho-Ho-Kus Boro
2017 River Edge Boro
2017 Paramus Boro
2017 Rockleigh Boro

MORRIS

2017 Morris Twp
2017 Chester Twp
2017 Hanover Twp
2017 Randolph Twp

HUDSON

2016 Hoboken City

ESSEX

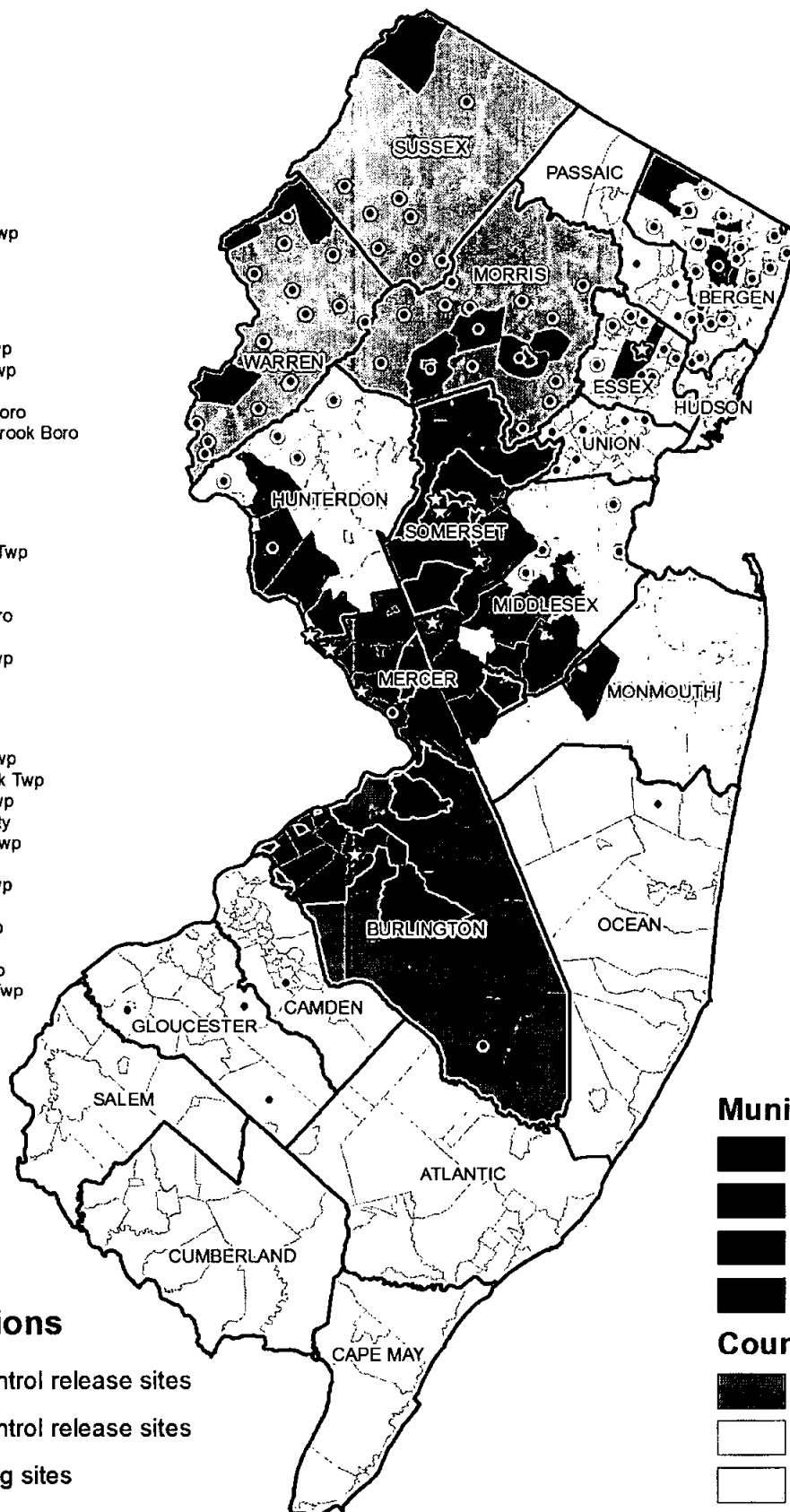
2016 Montclair Twp
2017 West Orange Twp

MIDDLESEX

2015 South Brunswick Twp
2015 Monroe Twp
2016 Cranbury Twp
2016 East Brunswick Twp

MONMOUTH

2015 Allentown Boro
2017 Manalapan Twp



Activity locations

- ☆ 2016 Bio-control release sites
- ☆ 2017 Bio-control release sites
- 2017 trapping sites

Municipalities with EAB

- 2014 county detection
- 2015 county detection
- 2016 county detection
- 2017 county detection

Counties with EAB

- 2014 detection
- 2015 detection
- 2016 detection
- 2017 detection



Assess Ash Trees for Emerald Ash Borer

START

Please note:
emerald ash
borer also
infests white
fringetree

Do you have
ash trees?

- ☒ Compound leaves with 5-9 leaflets
- ☒ Seeds are samaras in clusters in August
- ☒ Opposite Branching

YES

Are your trees in
good condition?

NO

Your trees are not susceptible to emerald ash borer infestation. This invasive pest only targets ash species.

NO

Remove

Call a Tree Professional to:

- Remove at-risk trees
- Remove infested trees

Find a NJ Certified Tree Expert:
www.NJTreeExperts.org

Get at least two estimates and
ask for insurance and references

- ☒ Unhealthy, planted on poor sites
- ☒ Missing more than 1/2 its leaves
- ☒ Exhibits insect damage, split bark and/or woodpecker damage

not sure

- ☒ Healthy and vigorous
- ☒ Has more than 1/2 its leaves
- ☒ No signs of insect damage

YES

Are your trees
in a good
location?

not sure
NO

- ☒ Enough room to it to grow to over 50' tall
- ☒ Enough room for crown to spread over 45'

YES

- ☒ Will hit overhead utility lines at 50' tall
- ☒ Will hit side obstructions with crown spread of 45'

Evaluate

Call a Tree Professional to:

- Treat trees larger than 60"
- Evaluate tree health or site

Find a NJ Certified Tree Expert:
www.NJTreeExperts.org

Get at least two estimates and ask
for insurance and references

Is the circumference of
the tree more than 60"?
(Measure at 4.5 feet from the ground.)

YES

NO

Treat & Monitor

Call a Tree Professional to apply a preventative treatment to your ash tree with a circumference less than 60".

Timing April 1 - May 15
Treatment Soil drench (1.47% imidacloprid)
Precautions Follow label directions
Reapply Yearly (as long as EAB are active)

Find a NJ Certified Tree Expert:
www.NJTreeExperts.org

Get at least two estimates and ask
for insurance and references

No Action

Minimally, identify your ash, and monitor them. Even if you take no action, your ash trees are still susceptible to emerald ash borer infestations. Once infested, your tree will become weak and may even be a hazard to your home or family.

learn more:

www.emeraldashborer.nj.gov

