

2012 Emerald Ash Borer Purple Prism Trap Survey

As part of a national USDA survey for emerald ash borer (EAB), a NH trap survey was conducted in which a total of 361 purple panel traps baited with Z-3 Hexanol and Manuka lures were deployed throughout the state in high risk locations, as determined by a computer-generated EAB survey sampling design product developed in collaboration between the APHIS EAB Program and the U.S. Forest Service's Forest Health Technology Enterprise Team (FHTET).

As part of this national survey, the NH Dept. of Agriculture, Markets, & Food, Div. Plant Industry personnel deployed 50 traps in Belknap, Carroll, Strafford and Rockingham Counties. EAB traps were set up during the month of May, prior to the accumulation of 450 growing degree days. Each trap was inspected once for Buprestid beetles in late June through early July, about 60 days after trap deployment, and the old lures were replaced with fresh lures. During the first two weeks of September, after the accumulation of 1500 growing degree days, the traps were removed and again inspected for Buprestid beetles. All Buprestid beetles were collected and screened for EAB in the NHDAMF laboratory. All NHDAMF traps were negative for EAB. Trap bycatch included the following Buprestids: *Dicerca divaricata*, *Chrysobothris* spp., *Melanophila* spp., and *Agrilus bilineatus*.

1. Survey methodology (trapping protocol):

	Common Name	Scientific Name
Pest:	Emerald Ash Borer	<i>Agrilus plannipennis</i>

	Proposed	Actual
Sites (Locations):	50	50
Traps:	50	50

Number of Counties:	4
Counties:	Belknap, Carroll, Strafford and Rockingham

2. Survey dates:

	Proposed	Actual
Survey Dates:	June 1st to August 17th, 2012	May 15th to September 14th, 2012

3. Benefits and results of survey:

	Positive	Negative	Total Number
Traps	0	50	50

4. Database submissions:

Setup Date	Change Date	Remove Date	Latitude	Longitude	County	Town	Samp_Name	Samp_ST_ID
5/30	7/16	9/10	44.26824	-71.01731	Carroll	Chatham	NH-33003-1-27594-605	R605
5/30	7/16	9/10	44.20394	-71.01271	Carroll	Chatham	NH-33003-1-27808-819	819
5/30	7/16	9/10	44.17426	-71.01172	Carroll	Chatham	NH-33003-1-27013-24	24
5/30	7/16	9/10	44.15818	-71.02872	Carroll	Chatham	NH-33003-1-27051-62	62
Omitted	Site		43.60025	-71.47430	Carroll	Jackson	NH-33003-1-27644-655	655
5/30	7/16	9/10	44.17534	-71.22399	Carroll	Jackson	NH-33003-1-27135-146	146
5/30	7/16	9/10	44.15593	-71.17202	Carroll	Jackson	NH-33003-1-27217-228	R228
5/30	7/16	9/10	44.12006	-71.03178	Carroll	Chatham	NH-33003-1-27150-161	R161
5/30	7/16	9/10	44.08664	-71.02700	Carroll	Chatham	NH-33003-1-26990-1	R1
5/29	7/16	9/11	44.10054	-71.17427	Carroll	Bartlet	NH-33003-1-27778-789	R789
5/29	7/5	9/10	44.08286	-71.23442	Carroll	Bartlet	NH-33003-1-27176-187	187
5/29	7/16	9/11	44.09785	-71.17204	Carroll	Bartlet	NH-33003-1-27143-154	R154
5/29	7/16	9/11	44.05664	-71.14028	Carroll	Conway	NH-33003-1-27486-497	497
5/29	7/19	9/10	44.01555	-71.24552	Carroll	Albany	NH-33003-1-27655-666	666