

*Insect Identification Laboratory Publication*

*Revised 2024*

# **Insect Identification Laboratory**

## **Annual Report 2023**



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## INTRODUCTION

This report summarizes the activity of the Insect Identification Laboratory at Virginia Tech for 2023.

A total of 966 requests were received in 2023. Those 966 requests produced 1091 determinations as some samples had multiple insects or mites.

In 2023, 564 or 52% of samples were submitted electronically, highlighted in blue, see Source of Samples, page 4.

In 2023, 152 or 14% of samples were submitted as referrals from the Plant Disease Clinic highlighted in yellow, see Source of Samples, page 4.

The laboratory is located in 205A Price Hall and is managed by Eric R. Day, Lab Manager, and Theresa Dellinger, Assistant Lab Manager, Department of Entomology, Virginia Tech, Blacksburg, Virginia.

Front cover photo: Broad Mite eggs. Theresa Dellinger, Virginia Tech.

## Monthly Submission Summary

Month	# Samples
<b>2023</b>	
January	19
February	30
March	34
April	62
May	92
June	124
July	142
August	155
September	143
October	93
November	51
December	21
<b>Total for 2023</b>	<b>966</b>
<b>Grand Total</b>	<b>966</b>

<b>Submission Type</b>	<b>Count of SubmissionType</b>
Agent	164
Agent Electronic	212
EDDMaps	40
eXtension Ask an Expert	1
Government, Local	13
Mail In	18
Mail-in Citizen Electronic	294
Mail-in Electronic	19
Medical Doctor	1
Other	2
Referral from Plant Disease Clinic	153
USDA APHIS PPQ	1
VA Dept of Wildlife	
Resources	1
VDACS	85
VDF	3
Virginia Department of Corrections	1
VPI Campus	12
VPI Entomology	32
VPI Station	7
Walk-In	32
<b>Grand Total</b>	<b>1091</b>

## Crop Type

Row Labels	Count of CropType
Animal	12
Animal Feed	2
Bee Hive	3
Field Crops	17
Herbaceous Ornamentals and Indoor Plants	57
Household and Recreational Area	309
Human	31
Mulch	1
Non-plant Material	5
Pest Survey	1
Small Fruits	30
Tree Fruits and Nuts	29
Trees	229
Turf	4
Unknown	64
Vegetables and Herbs	54
Weeds	7
Woody Ornamentals (blank)	140
<b>Grand Total</b>	<b>995</b>

# Host Pest Data for 2023

Animal		
Cat		
1	CAT FLEA	<i>Ctenocephalides felis</i>
1	DEER TICK	<i>Ixodes scapularis</i>
2	<b>Total for Cat</b>	

Cattle		
3	Longhorned Tick	<i>Haemaphysalis longicornis</i>
3	<b>Total for Cattle</b>	

Domestic Dog		
1	AMERICAN DOG TICK	<i>Dermacentor variabilis</i>
1	HARD TICKS	
2	LONE STAR TICK	<i>Amblyomma americanum</i>
1	MAGGOTS	
5	<b>Total for Domestic Dog</b>	

Farm animal; livestock		
1	BLACK BLOW FLY	<i>Phormia regina</i>
1	<b>Total for Farm animal; livestock</b>	

White-tailed deer		
1	DEER TICK	<i>Ixodes scapularis</i>
1	<b>Total for White-tailed deer</b>	

Animal Feed		
Feed, Animal		
1	ORIENTAL COCKROACH	<i>Blatta orientalis Linnaeus</i>
1	SAWTOOTHED GRAIN BEETLE	<i>Oryzaephilus surinamensis</i>
2	<b>Total for Feed, Animal</b>	

Bee Hive		
Bee Hive		
1	EUROPEAN HORNET	<i>Vespa crabro germana Christ</i>
1	<b>Total for Bee Hive</b>	

## Beehive

- |   |                 |                                    |
|---|-----------------|------------------------------------|
| 1 | EUROPEAN HORNET | <i>Vespa crabro germana</i> Christ |
| 1 | THRIPS          |                                    |

2	<b>Total for Beehive</b>	
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## Field Crops

### Alfalfa

- |   |                        |                                 |
|---|------------------------|---------------------------------|
| 1 | TROCHANTOR<br>MEALYBUG | <i>Pseudococcus sorghiellus</i> |
|---|------------------------|---------------------------------|

1	<b>Total for Alfalfa</b>	
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### Cotton

- |   |                          |                          |
|---|--------------------------|--------------------------|
| 1 | ASIATIC GARDEN<br>BEETLE | <i>Maladera castanea</i> |
|---|--------------------------|--------------------------|

1	<b>Total for Cotton</b>	
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### Fallow Field; Idle Land

- |   |                    |                           |
|---|--------------------|---------------------------|
| 1 | Spotted lanternfly | <i>Lycorma delicatula</i> |
|---|--------------------|---------------------------|

1	<b>Total for Fallow Field; Idle Land</b>	
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### Hay

- |   |                      |                         |
|---|----------------------|-------------------------|
| 1 | Bird Mites           | <i>Ornithonyssus</i>    |
| 1 | DARKLING BEETLES     |                         |
| 1 | FOREIGN GRAIN BEETLE | <i>Ahasverus advena</i> |

3	<b>Total for Hay</b>	
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### Hayfield

- |   |                        |                                    |
|---|------------------------|------------------------------------|
| 1 | NORTHERN MASKED CHAFER | <i>Cyclocephala borealis</i> Arrow |
| 1 | WOOLLYBEARS            |                                    |

2	<b>Total for Hayfield</b>	
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### Hemp

- |   |              |  |
|---|--------------|--|
| 1 | PHORID FLIES |  |
|---|--------------|--|

1	<b>Total for Hemp</b>	
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### Orchardgrass

- |   |                  |                              |
|---|------------------|------------------------------|
| 1 | BANKS GRASS MITE | <i>Oligonychus pratensis</i> |
|---|------------------|------------------------------|

1	<b>Total for Orchardgrass</b>	
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**Pasture**

1	FLIES	
1	MEADOW PLANT BUG	<i>Leptopterna dolabrata</i>
1	TARNISHED PLANT BUG	<i>Lygus lineolaris</i>

<b>3</b>	<b>Total for Pasture</b>
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**Peanut**

1	Burrower bug	<i>Pangaeus bilineatus</i>
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<b>1</b>	<b>Total for Peanut</b>
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**Small Grain**

1	SPRINGTAILS	
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<b>1</b>	<b>Total for Small Grain</b>
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**Soybean**

1	ANTS	
1	MEALYBUGS	
1	SILVERSPOTTED SKIPPER	<i>Epargyreus clarus</i>

<b>3</b>	<b>Total for Soybean</b>
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**general****Outside on ground**

1	ACROBAT ANTS	<i>Crematogaster spp.</i>
5	ALLEGHENY MOUND ANT	<i>Formica exsectoides Forel</i>
1	ANTLIONS	
1	ANTS	
1	BLACK MOUND ANTS	<i>Formica spp.</i>
1	BOXELDER BUG	<i>Leptocoris trivittatus</i>
1	COMMON SCORPIONFLIES	
1	Corklid trapdoor spiders	<i>Ummidia sp.</i>
3	COULD NOT DIAGNOSE	
1	DADDY-LONGLEGS	
1	Damselflies; Dragonflies	<i>Order Odonata</i>
2	DOGDAY CICADA	<i>Tibicen spp.</i>
1	EARTHWORMS	
2	Eastern Cicada Killer	<i>Sphecius speciosus</i>
1	EASTERN HERCULES BEETLE	<i>Dynastes tityus</i>
3	EUROPEAN HORNET	<i>Vespa crabro germana Christ</i>



1	FISHING SPIDER	<i>Dolomedes tenebrosus</i>
1	GLOWWORMS	<i>Phengodes sp.</i>
1	Grapevine epimenis	<i>Psychomorpha epimenis</i>
1	GREEN JUNE BEETLE	<i>Cotinis nitida</i>
1	GROUND BEETLES	
6	Hybridized fire ant	<i>Solenopsis invicta x richteri</i>
1	LASIOUS ANTS	<i>Lasius spp.</i>
2	Mining Bees	<i>Andrena sp.</i>
1	NESSUS SPHINX	<i>Amphion floridensis B.P. Clark</i>
1	PERIODICAL CICADA	<i>Magicicada septendecim</i>
1	POLYDESMIDA MILLIPEDES	
1	POLYPHEMUS MOTH	<i>Antheraea polyphemus</i>
1	Prairie ant	<i>Formica incerta</i>
5	RED IMPORTED FIRE ANT	<i>Solenopsis invicta Buren</i>
1	Southern yellowjacket	<i>Vespula squamosa</i>
30	Spotted lanternfly	<i>Lycorma delicatula</i>
1	Terrestrial flatworm	<i>Bipalium adventitium</i>
1	Terrestrial flatworm	<i>Bipalium kewense</i>
1	THRIPS	
1	VELVET ANT	<i>Dasymutilla occidentalis</i>
1	WHITE OAK BORER	<i>Goes tigrinus</i>
1	WHITESPOTTED SAWYER	<i>Monochamus scutellatus</i>

<b>87</b>	<b>Total for Outside on ground</b>
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### Herbaceous Ornamentals and Indoor Plants

#### Aster

1	ASSASSIN BUGS
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<b>1</b>	<b>Total for Aster</b>
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#### Bacopa

1	APHIDS
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1	THRIPS
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<b>2</b>	<b>Total for Bacopa</b>
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#### Bee Balm

2	CHRYSOLINA LEAF BEETLES
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*Chrysolina spp.*

1	STINK BUGS
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1	VARIED CARPET BEETLE
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*Anthrenus verbasci*

<b>4</b>	<b>Total for Bee Balm</b>
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**Bluestar**

1 SPIDER MITES

**1 Total for Bluestar****Chrysanthemum**

1 FOURLINED PLANT BUG

*Poecilocapsus lineatus*

1 WESTERN FLOWER THRIPS

*Frankliniella occidentalis***2 Total for Chrysanthemum****Cohosh**

1 BLACK CARPENTER ANT

*Camponotus pennsylvanicus*

1 Lycaenidae butterflies

**2 Total for Cohosh****Columbine**

1 THRIPS

**1 Total for Columbine****Common Purslane**

1 Seed bug

*Neopamera bilobata***1 Total for Common Purslane****Coneflower**

1 CONEFLOWER ROSETTE MITE

1 Confusing bumble bee

*Bombus perplexus*

1 RUDBECKIA PSYLLID

*Bactericera antennata***3 Total for Coneflower****Coreopsis**

1 Coreopsis Leaf beetle

*Phaedon desotonis***1 Total for Coreopsis****Elephant's Ear**

1 NOT AN INSECT

**1 Total for Elephant's Ear****Eucalyptus**

1 NO INSECTS OR MITES FOUND

**1 Total for Eucalyptus**

### False Indigo

- 1 DARKWINGED FUNGUS GNATS
- 1 ORIBATID MITES

**2 Total for False Indigo**

### Flower, Unknown

- 1 Melanoplus grasshoppers *Melanoplus sp./spp.*
- 1 Spotted lanternfly *Lycorma delicatula*

**2 Total for Flower, Unknown**

### Foamybells

- 1 Jumping Worm *Amyntas spp*

**1 Total for Foamybells**

### Fuchsia

- 1 APHIDS
- 1 THRIPS

**2 Total for Fuchsia**

### Gardenia

- 1 WAX SCALE *Ceroplastes spp.*

**1 Total for Gardenia**

### Grapefruit

- 1 BROWN SOFT SCALE *Coccus hesperidum Linnaeus*

**1 Total for Grapefruit**

### Hellebore

- 1 APHIDS
- 1 COULD NOT DIAGNOSE
- 1 Hellebore aphid *Macrosiphum hellebori*

**3 Total for Hellebore**

### Hosta

- 1 DARKWINGED FUNGUS GNATS

**1 Total for Hosta**

### Iceland Poppy

- 1 COULD NOT DIAGNOSE

1	<b>Total for Iceland Poppy</b>
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### Lantana

1	GRANULATE AMBROSIA BEETLE	<i>Xylosandrus crassiusculus</i>
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1	<b>Total for Lantana</b>
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### Liriope

1	FERN SCALE	<i>Pinnaspis aspidistrae</i>
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1	<b>Total for Liriope</b>
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### Loosestrife

1	SAWFLIES
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1	<b>Total for Loosestrife</b>
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### Mandevilla

1	OLEANDER APHID	<i>Aphis nerii Fonscolombe</i>
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1	<b>Total for Mandevilla</b>
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### Milkweed

1	APHIDS
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1	CATERPILLARS
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2	<b>Total for Milkweed</b>
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### Mint

1	FOURLINED PLANT BUG	<i>Poecilocapsus lineatus</i>
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1	<b>Total for Mint</b>
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### Palm

1	Neotropical Solanum whitefly	<i>Aleurotrachelus trachoides</i>
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1	<b>Total for Palm</b>
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### Peony

1	Flower Thrips	<i>Frankliniella sp.</i>
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1	<b>Total for Peony</b>
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### Phlox

1	NO MITES FOUND
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1	<b>Total for Phlox</b>
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### Pothos

1 COULD NOT DIAGNOSE

**1 Total for Pothos**

### Queen Anne's Lace

1 INSECT EGGS

**1 Total for Queen Anne's Lace**

### Rudbeckia

1 CHRYSANTHEMUM LACE BUG

*Corythucha marmorata*

1 RUDBECKIA PSYLLID

*Bactericera antennata*

**2 Total for Rudbeckia**

### Stoke's Aster

1 FOURLINED PLANT BUG

*Poecilocapsus lineatus*

**1 Total for Stoke's Aster**

### Sunflower

1 *Entylia carinata*

*Entylia carinata*

1 FLEA BEETLES

**2 Total for Sunflower**

### Tickseed

1 Coreopsis Leaf beetle

*Phaedon desotonis*

**1 Total for Tickseed**

### Tulip

2 BULB MITE

*Rhizoglyphus echinopus*

1 BULB MITES

**3 Total for Tulip**

### Unknown Indoor Plant

1 BROWN MARMORATED STINK BUG

*Halyomorpha halys*

1 FERN SCALE

*Pinnaspis aspidistrae*

1 NOT AN INSECT

**3 Total for Unknown Indoor Plant**

### Zinnia

1 BOMBUS FERVIDUS

*Bombus fervidus dorsalis*

**1 Total for Zinnia**

## Household and Recreational Area

### Automobile; recreational vehicle

- 1 NO INSECTS OR MITES FOUND
- 1 VELVET ANTS

**2 Total for Automobile; recreational vehicle**

### Building

- |   |                             |                                    |
|---|-----------------------------|------------------------------------|
| 1 | Aerial yellowjacket         | <i>Dolichovespula arenaria</i>     |
| 1 | ANTS                        |                                    |
| 2 | BED BUG                     | <i>Cimex lectularius Linnaeus</i>  |
| 2 | BLACK CARPENTER ANT         | <i>Camponotus pennsylvanicus</i>   |
| 1 | COULD NOT DIAGNOSE          |                                    |
| 1 | DARK MEALWORM               | <i>Tenebrio obscurus Fabricius</i> |
| 1 | DRAIN FLIES                 |                                    |
| 1 | Drosophilidae vinegar flies |                                    |
| 1 | EUROPEAN EARWIG             | <i>Forficula auricularia L.</i>    |
| 1 | FLESH FLIES                 |                                    |
| 1 | GLOWWORMS                   | <i>Phengodes sp.</i>               |
| 1 | GREEN JUNE BEETLE           | <i>Cotinis nitida</i>              |
| 1 | MARCH FLIES                 |                                    |
| 1 | MOTH PUPA                   |                                    |
| 1 | ODOROUS HOUSE ANT           | <i>Tapinoma sessile</i>            |
| 1 | PAVEMENT ANT                | <i>Tetramorium caespitum</i>       |
| 1 | PHORID FLIES                |                                    |
| 1 | PSOCIDS                     |                                    |
| 1 | SOLDIER BEETLES             |                                    |
| 1 | Soldier fly                 | <i>Pteticus sp./spp.</i>           |
| 8 | Spotted lanternfly          | <i>Lycorma delicatula</i>          |
| 1 | SPRINGTAILS                 |                                    |
| 1 | Straight-faced solifugids   | <i>Family Eremobatidae</i>         |
| 2 | WOOD ROACHES                | <i>Parcoblatta spp.</i>            |
| 1 | YELLOWJACKETS               |                                    |

**35 Total for Building**

### Driveway/Sidewalk

- |   |                          |                           |
|---|--------------------------|---------------------------|
| 1 | CHRYSOLINA LEAF BEETLES  | <i>Chrysolina spp.</i>    |
| 1 | Corklid trapdoor spiders | <i>Ummidia sp.</i>        |
| 1 | GREEN JUNE BEETLE        | <i>Cotinis nitida</i>     |
| 1 | Spotted lanternfly       | <i>Lycorma delicatula</i> |
| 1 | Water springtails        | <i>Podura aquatica</i>    |

**5 Total for Driveway/Sidewalk**

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**Food; Food Products**

2	DRUGSTORE BEETLE	<i>Stegobium paniceum</i>
2	INDIANMEAL MOTH	<i>Plodia interpunctella</i>

<b>4</b>	<b>Total for Food; Food Products</b>
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**House**

1	ACROBAT ANTS	<i>Crematogaster spp.</i>
1	AEOLUS WIREWORMS	<i>Aeolus spp.</i>
1	AMBROSIA BEETLES	
1	AMERICAN CARRION BEETLE	<i>Necrophila americana L.</i>
1	AMERICAN DOG TICK	<i>Dermacentor variabilis</i>
1	ANNELID WORMS	
2	ANTS	
1	ASSASSIN BUGS	
1	BED BUG	<i>Cimex lectularius Linnaeus</i>
1	BEE FLIES	
1	BEETLES	
2	Bibionid march fly	<i>Dilophus sp./spp.</i>
1	BLACK AND YELLOW MUD DAUBER	<i>Sceliphron caementarium</i>
2	BLACK CARPENTER ANT	<i>Camponotus pennsylvanicus</i>
1	BOXELDER BUG	<i>Leptocoris trivittatus</i>
1	BROAD-NECKED ROOT BORER	<i>Prionus laticollis</i>
1	BROWN MARMORATED STINK BUG	<i>Halyomorpha halys</i>
1	CASEMAKING CLOTHES MOTH	<i>Tinea pellionella L.</i>
1	CAT FLEA	<i>Ctenocephalides felis</i>
1	CIGARETTE BEETLE	<i>Lasioderma serricorne</i>
1	COCKROACHES	
1	COMMON EASTERN BUMBLE BEE	<i>Bombus impatiens</i>
1	Corklid trapdoor spiders	<i>Ummidia sp.</i>
4	COULD NOT DIAGNOSE	
1	DARKLING BEETLES	
3	DARKWINGED FUNGUS GNATS	
2	DRAIN FLIES	
6	DRUGSTORE BEETLE	<i>Stegobium paniceum</i>
1	Eastern Cicada Killer	<i>Sphecius speciosus</i>
4	EASTERN SUBTERRANEAN TERMITE	<i>Reticulitermes flavipes</i>
18	EUROPEAN HORNET	<i>Vespa crabro germana Christ</i>
4	FISHING SPIDER	<i>Dolomedes tenebrosus</i>
1	FLESH FLIES	
1	Flower Thrips	<i>Frankliniella sp.</i>
1	FOREIGN GRAIN BEETLE	<i>Ahasverus advena</i>
1	FORMICA ANTS	<i>Formica spp.</i>
2	FUNGUS GNATS	

1	FUNGUS WEEVILS	
1	GERMAN COCKROACH	<i>Blattella germanica</i>
	GERMAN	
1	YELLOWJACKET	<i>Vespula germanica</i>
1	GOLDSMITH BEETLE	<i>Cotalpa lanigera</i>
1	HARD TICKS	
1	HONEY BEE	<i>Apis mellifera L.</i>
1	KATYDIDS	
1	LACE BUGS	
1	LASIUS ANTS	<i>Lasius spp.</i>
1	LONE STAR TICK	<i>Amblyomma americanum</i>
1	LONGHORNED BEETLES	
1	LYTTA BLISTER BEETLES	<i>Lytta sp.</i>
1	MAYFLIES	
1	MEDITERRANEAN RECLUSE SPIDER	<i>Loxosceles rufescens</i>
1	MILLIPEDES	
1	MONARTHURUM FASCIATUM	<i>Monarthrum fasciatum</i>
1	NO BED BUGS FOUND	
2	NO BITING INSECTS FOUND	
6	NO INSECTS OR MITES FOUND	
1	Northern Walkingstick	<i>Diapheromera femorata</i>
2	NOT AN INSECT	
2	ODOROUS HOUSE ANT	<i>Tapinoma sessile</i>
1	ORB WEAVERS	
1	ORIBATID MITES	
2	PAVEMENT ANT	<i>Tetramorium caespitum</i>
1	PHARAOH ANT	<i>Monomorium pharaonis</i>
5	PHORID FLIES	
4	PSOCIDS	
1	PSYLLIDS	
1	RAT MITES	<i>Laelaps sp.</i>
1	SAWTOOTHED GRAIN BEETLE	<i>Oryzaephilus surinamensis</i>
1	SILVERFISH	<i>Lepisma saccharina Linnaeus</i>
1	SMOKYBROWN COCKROACH	<i>Periplaneta fuliginosa</i>
1	SOLDIER BEETLES	
1	SOLITARY WASPS	
3	SPIDERS	
13	Spotted lanternfly	<i>Lycorma delicatula</i>
7	SPRINGTAILS	
1	TEPHRITID FLIES	
1	TERMITES	
1	TULIPTREE SILKMOTH	<i>Callosamia angulifera</i>
5	VARIED CARPET BEETLE	<i>Anthrenus verbasci</i>
1	VINEGAR FLIES	



1	VIRGIN TIGER MOTH	<i>Apantesis virgo</i>
3	WOOD ROACHES	<i>Parcoblatta spp.</i>
1	YELLOWJACKETS	

<b>163</b>	<b>Total for House</b>
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### House Wood

2	BLACK CARPENTER ANT	<i>Camponotus pennsylvanicus</i>
1	BORERS	
1	Cerambycid beetle	<i>Mallodon dasytomus</i>
1	TERMITES	

<b>5</b>	<b>Total for House Wood</b>
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### Human Clothing

1	NOT AN INSECT
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<b>1</b>	<b>Total for Human Clothing</b>
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### Outside on structure

1	Aerial yellowjacket	<i>Dolichovespula arenaria</i>
1	APHIDS	
1	ARROWSHAPED MICRATHENA	<i>Micrathena sagittata</i>
1	Baldfaced hornet	<i>Dolichovespula maculata</i>
1	Bibionid march fly	<i>Dilophus sp./spp.</i>
1	BOXELDER BUG	<i>Leptocoris trivittatus</i>
1	CAROLINA MANTID	<i>Stagmomantis carolina</i>
1	CARPENTER BEE	<i>Xylocopa virginica</i>
1	CLOVER MITE	<i>Bryobia praetiosa</i> Koch
1	DIOGMITES ROBBER FLIES	<i>Diogmites sp.</i>
1	DUNG BEETLES	
1	Eastern Cicada Killer	<i>Sphecius speciosus</i>
10	EUROPEAN HORNET	<i>Vespa crabro germana</i> Christ
1	FIELD CRICKETS	
1	Golden silk orb weaver spider	<i>Nephila clavipes</i>
1	GREAT LEOPARD MOTH	<i>Ecpantheria scribonia</i>
1	Greenhouse Millipede	<i>Oxidus gracilis</i>
1	INSECT EGGS	
1	KATYDIDS	
1	March fly	<i>Biblio sp./spp.</i>
1	Odontosciara fungus gnat	<i>Odontosciara sp./spp.</i>
1	PROMACHUS RUFIPES	<i>Promachus rufipes</i>
1	PROMETHEA MOTH	<i>Callosamia promethea</i>
1	ROSY MAPLE MOTH	<i>Dryocampa rubicunda</i>

1	SALTMARSH CATERPILLAR	<i>Estigmene acra</i>
1	SCARAB BEETLES	
7	Spotted lanternfly	<i>Lycorma delicatula</i>
1	Spotted orb weaver spider	<i>Neoscona crucifera (hentzii)</i>
1	Stink bug eggs	
1	TULIPTREE BEAUTY	<i>Epimecis hortaria</i>
1	WESTERN CONIFER SEED BUG	<i>Leptoglossus occidentalis</i>
1	YELLOW ANTS	<i>Acanthomyops spp.</i>

<b>47</b>	<b>Total for Outside on structure</b>
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### Soil Surface

1	ASIAN NEEDLE ANT	<i>Pachycondyla chinensis</i>
1	COULD NOT DIAGNOSE	

<b>2</b>	<b>Total for Soil Surface</b>
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### Vehicle

1	BLACK SOLDIER FLY	<i>Hermetia illucens</i>
1	Masked hunter	<i>Reduvius personatus</i>
1	STONEFLIES	

<b>3</b>	<b>Total for Vehicle</b>
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### Wood

1	ANTS ROUNDHEADED BORERS	
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<b>2</b>	<b>Total for Wood</b>
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### Wood Flooring

5	BORERS	
1	Chinese auger beetle	<i>Heterobostrychus hamatipennis</i>
1	CLICK BEETLES	
2	POWDERPOST BEETLES	
2	ROUNDHEADED BORERS	
2	SOUTHERN LYCTUS BEETLE	<i>Lyctus carbonarius Waltl 1832</i>

<b>13</b>	<b>Total for Wood Flooring</b>
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### Yard

1	ALLEGHENY MOUND ANT	<i>Formica exsectoides Forel</i>
3	ANDRENID BEES	
1	ANNELID WORMS	

1	ANTS	
1	BROWN WIDOW SPIDER	<i>Latrodectus geometricus</i>
1	Ceratopogonid midge	<i>Atrichopogon jacobsoni</i>
2	COULD NOT DIAGNOSE	
2	Eastern Cicada Killer	<i>Sphecius speciosus</i>
1	EASTERN HERCULES BEETLE	<i>Dynastes tityus</i>
1	EASTERN YELLOWJACKET	<i>Vespula maculifrons</i>
1	EUROPEAN HORNET	<i>Vespa crabro germana Christ</i>
1	Flat-backed Millipedes	
1	FORMICA ANTS	<i>Formica spp.</i>
1	GIANT STAG BEETLE	<i>Lucanus elaphus F.</i>
1	GREEN JUNE BEETLE	<i>Cotinis nitida</i>
1	LEAFHOPPERS	
1	NOT AN INSECT	
1	ODOROUS HOUSE ANT	<i>Tapinoma sessile</i>
1	Prominent Moth	<i>Heterocampa sp./spp.</i>
1	ROYAL WALNUT MOTH	<i>Citheronia regalis</i>
1	SCARAB BEETLES	
1	Sidewalk Mites	
4	Spotted lanternfly	<i>Lycorma delicatula</i>
1	TUSSOCK MOTHS	
1	UNICORN CATERPILLAR	<i>Schizura unicornis</i>

<b>32</b>	<b>Total for Yard</b>
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### Human

#### Human

1	ASIAN NEEDLE ANT	<i>Pachycondyla chinensis</i>
1	ASSASSIN BUGS	
1	BEETLES	
1	BITING MIDGES	
1	CARPET BEETLES	
1	Common Fruit Fly	<i>Drosophila melanogaster</i>
4	COULD NOT DIAGNOSE	
2	DEER TICK	<i>Ixodes scapularis</i>
1	EASTERN CONENOSE	<i>Triatoma sanguisuga</i>
1	GULF COAST TICK	<i>Amblyomma maculatum</i>
1	HARD TICKS	
1	LEAFHOPPERS	
7	LONE STAR TICK	<i>Amblyomma americanum</i>
1	MASKED CHAFER	<i>Cyclocephala sp.</i>
1	NO INSECTS FOUND	
1	NO INSECTS OR MITES FOUND	

2	NOT AN INSECT	
1	PAPER WASPS	<i>Polistes spp.</i>
1	SPRINGTAILS	
1	TICKS	

<b>31</b>	<b>Total for Human</b>
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<b>Mulch</b>
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<b>Compost</b>
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1	WHITE GRUBS
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<b>1</b>	<b>Total for Compost</b>
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<b>Mulch</b>
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1	Greenhouse Millipede	<i>Oxidus gracilis</i>
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<b>1</b>	<b>Total for Mulch</b>
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<b>Nonplant Material</b>
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<b>Soil</b>
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2	EARTHWORMS
1	SPRINGTAILS
2	YELLOWJACKETS

<b>5</b>	<b>Total for Soil</b>
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<b>Pest Survey</b>
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<b>Walnut</b>
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1	Spotted lanternfly	<i>Lycorma delicatula</i>
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<b>1</b>	<b>Total for Walnut</b>
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<b>Small Fruits</b>
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<b>Blueberry</b>
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1	Cranberry fruitworm	<i>Acrobasis vaccinii</i>
1	OEDOPHRYS HILLERI	<i>Oedophrys hilleri</i>

<b>2</b>	<b>Total for Blueberry</b>
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<b>Fig</b>
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1	Eastern Cicada Killer	<i>Sphecius speciosus</i>
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<b>1</b>	<b>Total for Fig</b>
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## Grape

4	ASIATIC GARDEN BEETLE	<i>Maladera castanea</i>
1	BROWN STINK BUG	<i>Euschistus servus</i>
1	BROWN WIDOW SPIDER	<i>Latrodectus geometricus</i>
1	GRAPEVINE APHID	<i>Aphis illinoisensis Shimer</i>
1	GREEN JUNE BEETLE	<i>Cotinis nitida</i>
1	GROUND BEETLES	
3	JAPANESE BEETLE	<i>Popillia japonica Newman</i>
2	MAY BEETLES	<i>Phyllophaga spp.</i>
1	NORTHERN MASKED CHAFER	<i>Cyclocephala borealis Arrow</i>
1	ROUNDHEADED BORERS	
4	Spotted lanternfly	<i>Lycorma delicatula</i>
1	WEEVILS	
1	WHEEL BUG	<i>Arilus cristatus</i>

**22 Total for Grape**

## Strawberry

1	CHRYSOLINA LEAF BEETLES	<i>Chrysolina spp.</i>
1	NOT INSECT DAMAGE	
1	SLUGS	
1	SOLDIER BEETLES	
1	STRAWBERRY ROOTWORM	<i>Paria fragariae Wilcox</i>

**5 Total for Strawberry**

## Tree Fruits and Nuts

### Apple

1	APHIDS	
1	COULD NOT DIAGNOSE	
1	NOT INSECT DAMAGE	

**3 Total for Apple**

### Asian Pear

1	PEAR PSYLLA	<i>Psylla pyricola Foerster</i>
1	SOOTY MOLD	

**2 Total for Asian Pear**

### Cherry

1	BLACK CHERRY APHID	<i>Myzus cerasi</i>
1	BORERS	
1	CAMPBOR SHOT BORER	<i>Cnestus mutilatus</i>

1	JAPANESE BEETLE	<i>Popillia japonica Newman</i>
1	LADY BEETLES	
1	SHOT HOLE BORER	<i>Scolytus rugulosus</i>
1	WHITE PEACH SCALE	<i>Pseudaulacaspis pentagona</i>

<b>7</b>	<b>Total for Cherry</b>
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### Chestnut

1	BARK BEETLES	
1	GRANULATE AMBROSIA BEETLE	<i>Xylosandrus crassiusculus</i>
1	MONARTHURUM FASCIATUM	<i>Monarthrum fasciatum</i>

<b>3</b>	<b>Total for Chestnut</b>
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### Mulberry

1	White prunicola scale	<i>Pseudaulacaspis prunicola</i>
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<b>1</b>	<b>Total for Mulberry</b>
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### Peach

1	EASTERN TENT CATERPILLAR	<i>Malacosoma americanum</i>
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<b>1</b>	<b>Total for Peach</b>
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### Pear

1	COULD NOT DIAGNOSE	
1	LACEWINGS	

<b>2</b>	<b>Total for Pear</b>
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### Pecan

1	BLACK WALNUT ERINEUM GALL	<i>Eriophyes caulis Cook</i>
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<b>1</b>	<b>Total for Pecan</b>
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### Persimmon

1	BARKLICE	
3	PERSIMMON PSYLLA	<i>Trioza diospyri</i>

<b>4</b>	<b>Total for Persimmon</b>
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### Walnut

1	COULD NOT DIAGNOSE	
1	LEAFHOPPERS	
1	Spongy moth	<i>Lymantria dispar</i>
1	Spotted lanternfly	<i>Lycorma delicatula</i>
1	STINK BUGS	

<b>5</b>	<b>Total for Walnut</b>
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## Trees

### Arborvitae

2	ARBORVITAE LEAFMINER	<i>Argyresthia thuiella</i>
1	BAGWORM	<i>Thyridopteryx ephemeraeformis</i>
2	JUNIPER SCALES	<i>Carulaspis spp.</i>
1	NO INSECTS FOUND	
2	SPRUCE MITE	<i>Oligonychus ununguis</i>
8	SPRUCE SPIDER MITE	<i>Oligonychus ununguis</i>

**16 Total for Arborvitae**

### Beech

1	BEECH BLIGHT APHID	<i>Prociphilus imbricator</i>
1	WOOLLY BEECH APHID	<i>Phyllaphis fagi</i>

**2 Total for Beech**

### Birch

1	BAGWORM	<i>Thyridopteryx ephemeraeformis</i>
1	DUSKY BIRCH SAWFLY	<i>Croesus latitarsus Norton</i>
1	NOTODONTID CATERpillARS	<i>undet. undet.</i>

**3 Total for Birch**

### Boxelder

1	Boxelder gall midge	<i>Contarinia negundinis</i>
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**1 Total for Boxelder**

### Cryptomeria

1	CHINESE MANTID	<i>Tenodera aridifolia Saussure</i>
1	JUNIPER SCALES	<i>Carulaspis spp.</i>
1	MASKELL SCALE	<i>Lepidosaphes spp.</i>
1	NO INSECTS FOUND	

**4 Total for Cryptomeria**

### Cypress

1	COULD NOT DIAGNOSE	
2	JUNIPER SCALES	<i>Carulaspis spp.</i>

**3 Total for Cypress**

### Dogwood

1	CICADAS	
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1	DOGWOOD SAWFLY	<i>Macremphytus tarsatus</i>
1	LAPPET MOTHS	
1	POLYPHEMUS MOTH	<i>Antheraea polyphemus</i>

**4 Total for Dogwood**

### Elm

2	LARGER ELM LEAF BEETLE	<i>Monocesta coryli</i>
1	SAWFLIES	

**3 Total for Elm**

### Falsecypress

1	COULD NOT DIAGNOSE	
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**1 Total for Falsecypress**

### Fir

3	BALSAM TWIG APHID	<i>Mindarus abietinus Koch</i>
1	BALSAM WOOLLY ADELGID	<i>Adelges piceae</i>
1	COULD NOT DIAGNOSE	
1	ELONGATE HEMLOCK SCALE	<i>Fiorinia externa Ferris</i>
1	GREEN JUNE BEETLE	<i>Cotinis nitida</i>
2	MULTICOLORED ASIAN LADY BEETLE	<i>Harmonia axyridis</i>
1	NO MITES FOUND	
1	SPRUCE MITE	<i>Oligonychus ununguis</i>
1	SPRUCE SPIDER MITE	<i>Oligonychus ununguis</i>
1	VARIEGATED CUTWORM	<i>Peridroma saucia</i>

**13 Total for Fir**

### Goldenrain Tree

1	AMBER SNAIL	
1	BUTTERFLIES	
1	COULD NOT DIAGNOSE	

**3 Total for Goldenrain Tree**

### Hawthorn

1	HAWTHORN LACE BUG	<i>Corythucha cydoniae</i>
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**1 Total for Hawthorn**

### Hemlock

1	APION WEEVILS	
1	HEMLOCK RUST MITE	<i>Nalepella tsugifoliae Keifer</i>



<b>2</b>	<b>Total for Hemlock</b>
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<b>Hornbeam</b>
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1 FLEA BEETLES

<b>1</b>	<b>Total for Hornbeam</b>
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<b>Magnolia</b>
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1 EASTERN YELLOWJACKET *Vespula maculifrons*  
1 LEAF BEETLES  
1 SOOTY MOLD  
1 SPIDER MITES

<b>4</b>	<b>Total for Magnolia</b>
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<b>Maple</b>
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1 APHIDS  
4 COULD NOT DIAGNOSE  
1 EASTERN TENT CATERPILLAR *Malacosoma americanum*  
1 False mealworm beetle *Alobates pennsylvanica*  
1 FLATHEADED APPLETREE BORER *Chrysobothris femorata*  
1 GLOOMY SCALE *Melanaspis tenebricosa*  
1 INCHWORMS  
1 JAPANESE BEETLE *Popillia japonica Newman*  
1 MEGARHYSSA WASP *Megarhyssa spp.*  
1 MULTICOLORED ASIAN LADY BEETLE *Harmonia axyridis*  
1 NO INSECTS FOUND  
1 ROUNDHEADED BORERS  
1 SOLDIER FLIES  
2 WOOLLY ALDER APHID *Paraprociophilus tessellatus*

<b>18</b>	<b>Total for Maple</b>
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<b>Oak</b>
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1 AMBROSIA BEETLES  
1 BARK BEETLES  
1 CATERPILLAR EGGS  
1 CATERPILLARS  
1 CONICAL OAK GALLS *Disholcaspis spp.*  
1 GALL WASPS  
1 Oak gall wasp *Callirhytis flavipes*  
1 OAK LACE BUG *Corythucha arcuata*  
1 OAK LECANIUM SCALE *Parthenolecanium quercifex*  
1 OAK SPIDER MITE *Oligonychus bicolor*

1	Oak vein pocket gallmaker	<i>Macrodiplosis quercusoruca</i>
1	ORANGESTRIPED OAKWORM	<i>Anisota senatoria</i>
1	Picturewinged fly	<i>Pseudotephritis sp./spp.</i>
1	ROUNDHEADED BORERS	
2	SCARLET OAK SAWFLY	<i>Caliroa quercuscoccineae</i>
1	TENTHREDINID SAWFLIES	
1	WEDGE-SHAPED OAK GALL	<i>Andricus quercusstrobilanus</i>
1	WOOLLY FOLD GALL	<i>Macrodiplosis niveipila O.S.</i>

<b>19</b>	<b>Total for Oak</b>
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### Ornamental Cherry

1	LONGHORNED BEETLES	
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<b>1</b>	<b>Total for Ornamental Cherry</b>
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### Ornamental Pear

1	PEARLEAF BLISTER MITE	<i>Eriophyes pyri</i>
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<b>1</b>	<b>Total for Ornamental Pear</b>
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### Pine

2	COULD NOT DIAGNOSE	
1	CUCKOO WASPS	
1	PINE BARK ADELGID	<i>Pineus strobi</i>
2	PINE NEEDLE SCALE	<i>Chionaspis pinifoliae</i>
1	PINE WEBWORM	<i>Tetralopha robustella Zeller</i>
1	REDHEADED PINE SAWFLY	<i>Neodiprion lecontei</i>
1	WHITEMARKED TUSSOCK MOTH	<i>Orgyia leucostigma</i>

<b>9</b>	<b>Total for Pine</b>
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### Redbud

1	FALL WEBWORM	<i>Hyphantria cunea</i>
1	Redbud aphid	<i>Aphis pawneepeae</i>

<b>2</b>	<b>Total for Redbud</b>
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### Spruce

1	PINE SAWYERS	<i>Monochamus spp.</i>
1	SPIDERS	
1	SPRUCE MITE	<i>Oligonychus ununguis</i>
2	WHITE PINE WEEVIL	<i>Pissodes strobi</i>

<b>5</b>	<b>Total for Spruce</b>
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**Sweet Gum**

1	Spotted lanternfly	<i>Lycorma delicatula</i>
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<b>1</b>	<b>Total for Sweet Gum</b>	
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**Trap, Insect**

1	ASIATIC GARDEN BEETLE	<i>Maladera castanea</i>
21	BARK BEETLES	
1	BLACK CARPET BEETLE	<i>Attagenus megatoma</i>
1	CLOVER MITE	<i>Bryobia praetiosa Koch</i>
1	CORN EARWORM	<i>Heliocoverpa zea</i>
2	DARKWINGED FUNGUS GNATS	
1	EUROPEAN HORNET	<i>Vespa crabro germana Christ</i>
7	GRANULATE AMBROSIA BEETLE	<i>Xylosandrus crassiusculus</i>
2	GREEN JUNE BEETLE	<i>Cotinis nitida</i>
1	HAWAIIAN BEET WEBWORM MOTH	<i>Spoladea recurvalis</i>
1	LEAFHOPPERS	
1	MOSQUITOES	
19	MOTHS	
1	NOCTUID MOTHS	
5	Not the traget insect	<i>na na</i>
2	PHORID FLIES	
1	PLANT BUGS	
1	PSOCIDS	
1	SAP BEETLES	
1	Sidewalk Mites	
1	SKIPPERS	
1	Spotted lanternfly	<i>Lycorma delicatula</i>
2	SPRINGTAILS	
7	WALNUT TWIG BEETLE	<i>Pityophthorus juglandis</i>
1	Whitecrossed Seed Bug	<i>Neacoryphus bicrucis</i>
1	YELLOWSTRIPED ARMYWORM	<i>Spodoptera ornithogalli</i>

<b>84</b>	<b>Total for Trap, Insect</b>	
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**tree of heaven**

4	Spotted lanternfly	<i>Lycorma delicatula</i>
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<b>4</b>	<b>Total for tree of heaven</b>	
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**Tree, Unknown**

4	Baldfaced hornet	<i>Dolichovespula maculata</i>
1	BEECH BLIGHT APHID	<i>Prociphilus imbricator</i>
1	Eastern Cicada Killer	<i>Sphecius speciosus</i>
3	EUROPEAN HORNET	<i>Vespa crabro germana Christ</i>

1	GERMAN YELLOWJACKET	<i>Vespula germanica</i>
1	GIANT BARK APHID	<i>Longistigma caryae</i>
1	GREEN LACEWINGS	
1	LARGER ELM LEAF BEETLE	<i>Monocesta coryli</i>
1	MEGARHYSSA WASP	<i>Megarhyssa spp.</i>
1	Northern Paper Wasp	<i>Polistes fuscatus</i>
1	PAPER WASPS	<i>Polistes spp.</i>
1	SEEDCORN MAGGOT	<i>Delia platura</i>
3	Spotted lanternfly	<i>Lycorma delicatula</i>

<b>20</b>	<b>Total for Tree, Unknown</b>
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### Willow

1	CHRYSOMELA LEAF BEETLE	<i>Chrysomela sp.</i>
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<b>1</b>	<b>Total for Willow</b>
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### Yellow Poplar

1	YELLOW POPLAR WEEVIL	<i>Odontopus calceatus</i>
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<b>1</b>	<b>Total for Yellow Poplar</b>
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### Zelkova

1	BARK BEETLES	
1	BLACK CARPENTER ANT	<i>Camponotus pennsylvanicus</i>

<b>2</b>	<b>Total for Zelkova</b>
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## Turf

### Clover

1	Brownbelted bumble bee	<i>Bombus griseocollis</i>
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<b>1</b>	<b>Total for Clover</b>
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### Turfgrass

1	DARK HOPLIA	<i>Hoplia trivialis</i>
1	European crane fly	<i>Tipula paludosa Meigen</i>
1	MOLE CRICKETS	

<b>3</b>	<b>Total for Turfgrass</b>
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## Unknown

### Unknown Outdoor Plant

1	ARROWSHAPED MICRATHENA	<i>Micrathena sagittata</i>
1	ASSASSIN BUGS	
1	BROAD-NECKED ROOT BORER	<i>Prionus laticollis</i>
1	NURSERY-WEB SPIDERS	
1	ORB WEAVERS	
1	PANDORUS SPHINX	<i>Eumorpha pandorus</i>
1	PAPER WASPS	<i>Polistes spp.</i>
1	SMALL MILKWEED BUG	<i>Lygaeus kalmii</i>
6	Spotted lanternfly	<i>Lycorma delicatula</i>
1	STINK BUGS	
1	TULIPTREE BEAUTY	<i>Epimecis hortaria</i>

**16 Total for Unknown Outdoor Plant**

### Unknown; No Site Specified

1	AMERICAN DOG TICK	<i>Dermacentor variabilis</i>
1	ASSASSIN BUGS	
1	BEAUTIFUL WOOD NYMPH	<i>Eudryas grata</i>
1	BED BUG	<i>Cimex lectularius Linnaeus</i>
1	BEETLES	
1	Bombyliid bee fly	<i>Xenox (Anthrax) tigrinus</i>
1	BROAD-NECKED ROOT BORER	<i>Prionus laticollis</i>
1	CARPENTER BEE	<i>Xylocopa virginica</i>
1	CICADAS	
1	COULD NOT DIAGNOSE	
1	EASTERN CONENOSE	<i>Triatoma sanguisuga</i>
1	EASTERN HERCULES BEETLE	<i>Dynastes tityus</i>
5	EUROPEAN HORNET	<i>Vespa crabro germana Christ</i>
1	FISHING SPIDER	<i>Dolomedes tenebrosus</i>
1	FLIES	
1	Golden-Backed Snipe Fly	<i>Chrysopilus thoracicus</i>
1	LARGER ELM LEAF BEETLE	<i>Monocesta coryli</i>
1	LIGHTNING BEETLES	
1	Longhorned Tick	<i>Haemaphysalis longicornis</i>
1	MIDGES	
1	NORAPE OVINA	<i>Norape ovina</i>
1	OIL BEETLE	<i>Meloe spp.</i>
1	ORCHARD SPIDER	<i>Leucauge venusta</i>
1	PLATYDRACUS ROVE BEETLES	<i>Platydracus sp.</i>
1	PSEUDOLUCANUS CAPREOLUS STAG BEETLE	<i>Pseudolucanus capreolus</i>

1	RED IMPORTED FIRE ANT	<i>Solenopsis invicta</i> Buren
1	RHINOCEROS BEETLE	<i>Xyloryctes jamaicensis</i>
1	SATURNIID MOTHS	
8	Spotted lanternfly	<i>Lycorma delicatula</i>
1	SPRINGTAILS	
1	Tiger moth	<i>Apantesis sp./spp.</i>
1	WHEEL BUG	<i>Arilus cristatus</i>
1	WOLF SPIDERS	
1	YELLOW ANTS	<i>Acanthomyops spp.</i>

<b>45</b>	<b>Total for Unknown; No Site Specified</b>
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### Water

1	COULD NOT DIAGNOSE	
1	HORSEHAIR WORMS	
1	WATER BOATMEN	

<b>3</b>	<b>Total for Water</b>
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### Vegetables and Herbs

#### Basil

1	WESTERN FLOWER THRIPS	<i>Frankliniella occidentalis</i>
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<b>1</b>	<b>Total for Basil</b>
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#### Bean

1	WESTERN FLOWER THRIPS	<i>Frankliniella occidentalis</i>
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<b>1</b>	<b>Total for Bean</b>
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#### Broccoli

2	CABBAGE MAGGOT	<i>Delia radicum</i>
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<b>2</b>	<b>Total for Broccoli</b>
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#### Cabbage

1	CROSS-STRIPED CABBAGEWORM	<i>Evergestis rimosalis</i>
1	ICHNEUMONID WASPS	

<b>2</b>	<b>Total for Cabbage</b>
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#### Cucumber

1	LEAFFOOTED BUGS	
1	SPOTTED CUCUMBER BEETLE	<i>Diabrotica undecimpunctata howardi</i> Barber

<b>2</b>	<b>Total for Cucumber</b>
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**Eggplant**

1	EGGPLANT TORTOISE BEETLE	<i>Nuzonia pallidula</i>
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<b>1</b>	<b>Total for Eggplant</b>	
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**Fava Bean**

1	MELON APHID	<i>Acyrtosiphon gossypii Glover</i>
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<b>1</b>	<b>Total for Fava Bean</b>	
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**Fennel**

1	BLACK SWALLOWTAIL	<i>Papilio polyxenes asterius Stoll</i>
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<b>1</b>	<b>Total for Fennel</b>	
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**Garlic**

2	Allium leaf miner	<i>Phytomyza gymnostoma</i>
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1	BULB MITE	<i>Rhizoglyphus echinopus</i>
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1	BULB MITES	
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1	DARKWINGED FUNGUS GNATS	
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2	Greenhouse Millipede	<i>Oxidus gracilis</i>
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1	WIREWORMS	
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<b>8</b>	<b>Total for Garlic</b>	
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**Ginger**

1	DARKWINGED FUNGUS GNATS	
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<b>1</b>	<b>Total for Ginger</b>	
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**Herbs, Miscellaneous**

1	Spotted lanternfly	<i>Lycorma delicatula</i>
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<b>1</b>	<b>Total for Herbs, Miscellaneous</b>	
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**Lettuce**

1	APHIDS	
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1	CHRYSOLINA LEAF BEETLES	<i>Chrysolina spp.</i>
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1	SHORE FLIES	
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<b>3</b>	<b>Total for Lettuce</b>	
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**Mint**

1	FOURLINED PLANT BUG	<i>Poecilocapsus lineatus</i>
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1	ORIENTAL BEETLE	<i>Anomala orientalis</i>
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<b>2</b>	<b>Total for Mint</b>	
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**Okra**

1 BEAN ROOT APHID *Smynthuroides betae* Westwood

**1 Total for Okra**

**Onion**

1 BULB MITES

1 ONION MAGGOT *Delia antiqua*

1 SEEDCORN MAGGOT *Delia platura*

**3 Total for Onion**

**Pepper**

1 EUROPEAN PEPPER  
MOTH *Duponchelia fovealis* Zeller

**1 Total for Pepper**

**Potato**

1 ASIAN NEEDLE ANT *Pachycondyla chinensis*

1 DEFOLIATORS

1 Greenhouse Millipede *Oxidus gracilis*

1 POTATO FLEA BEETLE *Epithrix cucumeris*

1 WHITE GRUBS

**5 Total for Potato**

**Pumpkin**

1 SQUASH VINE BORER *Melittia cucurbitae*

**1 Total for Pumpkin**

**Rosemary**

1 Ligurian leafhopper *Eupteryx decemnotata*

1 ROSE APHID *Macrosiphum rosae*

**2 Total for Rosemary**

**Sage**

1 CHRYSOLINA LEAF BEETLES *Chrysolina spp.*

**1 Total for Sage**

**Squash**

1 GREENHOUSE  
WHITEFLY *Trialeurodes vaporariorum*

**1 Total for Squash**



### Sweet Potato

1 ASIAN NEEDLE ANT *Pachycondyla chinensis*

**1 Total for Sweet Potato**

### Swiss Chard

1 PARASITIC WASP COCOONS

**1 Total for Swiss Chard**

### Tomato

1 CATERPILLARS

1 FLOWER THRIPS *Frankliniella tritici*

1 HARLEQUIN BUG *Murgantia histrionica*

1 SMALL MILKWEED BUG *Lygaeus kalmii*

1 STINK BUGS

1 TOBACCO HORNWORM *Manduca sexta*

1 WOOLLY APHIDS

**7 Total for Tomato**

### Vegetable Garden

1 EARTHWORMS

**1 Total for Vegetable Garden**

### Vegetable Garden Soil

1 Eastern Cicada Killer *Sphecius speciosus*

1 PAVEMENT ANT *Tetramorium caespitum*

1 TOBACCO HORNWORM *Manduca sexta*

**3 Total for Vegetable Garden Soil**

## Weeds

### Dead Nettle

1 SPIDER MITES

**1 Total for Dead Nettle**

### Garlic Mustard

2 Lipaphis aphids *Lipaphis sp./spp.*

1 Turnip aphid *Hyadaphis (Lipaphis) pseudobrassicae (erysimi)*

**3 Total for Garlic Mustard**

### Japanese Hops

1 Spotted lanternfly *Lycorma delicatula*

**1 Total for Japanese Hops**

### Milkweed

1 LARGE MILKWEED BUG *Oncopeltus fasciatus*

1 PAINTED LADY *Vanessa cardui*

**2 Total for Milkweed**

### Woody Ornamentals

#### Azalea

3 AZALEA LACE BUG *Stephanitis pyrioides*

1 AZALEA LEAFMINER *Caloptilia azaleela*

1 COMMON THRIPS

1 MARCH FLIES

**6 Total for Azalea**

#### Bamboo

1 Japanese shothole borer *Dinoderus japonicus*

1 NOXIOUS BAMBOO MEALYBUG *Antonina praetiosa*

1 Thread scale *Kuwanaspis hikosani*

**3 Total for Bamboo**

#### Barberry

1 BARBERRY WEBWORM *Omphalocera dentosa*

**1 Total for Barberry**

#### Beautyberry

1 TWOSPOTTED SPIDER MITE *Tetranychus urticae* Koch

**1 Total for Beautyberry**

#### Boxwood

13 BOXWOOD LEAFMINER *Monarthropalpus buxi*

36 BOXWOOD MITE *Eurytetranychus buxi*

8 Boxwood psyllid *Cacopsylla buxi*

1 COULD NOT DIAGNOSE

1 EUONYMUS SCALE *Unaspis euonymi*

1 EUROPEAN FRUIT LECANIUM *Parthenolecanium corni*

1 LEAFHOPPERS

2 NO INSECTS FOUND

- 1 PLANT BUGS
- 1 Sharpshooters *Family Cicadellidae; Subfamily Cicadellinae*
- 1 SPIDERS
- 1 WAX SCALE *Ceroplastes spp.*

**67 Total for Boxwood**

**Butterfly Bush**

- 1 SOOTY MOLD
- 1 TWOSPOTTED SPIDER MITE *Tetranychus urticae Koch*

**2 Total for Butterfly Bush**

**Buttonbush**

- 1 AMBER SNAIL
- 1 TWOSPOTTED SPIDER MITE *Tetranychus urticae Koch*

**2 Total for Buttonbush**

**Camellia**

- 1 COULD NOT DIAGNOSE

**1 Total for Camellia**

**Cherrylaurel**

- 1 BLACK VINE WEEVIL *Otiorhynchus sulcatus*
- 1 GREEDY SCALE *Hemiberlesia rapax*
- 1 INDIAN WAX SCALE *Ceroplastes ceriferus*

**3 Total for Cherrylaurel**

**Crape Myrtle**

- 1 CERASTIPSOCUS *Cerastipsocus venosus*
- 1 VENOSUS
- 1 CRAPE MYRTLE APHID *Tinocallis kahawaluokalani*
- 18 CRAPE MYRTLE BARK SCALE *Eriococcus lagerstroemiae Kuwana*
- 1 GOLDENROD SOLDIER BEETLE *Chauliognathus pensylvanicus*

**21 Total for Crape Myrtle**

**Euonymus**

- 4 EUONYMUS SCALE *Unaspis euonymi*

**4 Total for Euonymus**

**Filbert**

- 1 WEEVILS

**1 Total for Filbert**

## Hibiscus

2 Hibiscus scentless plant bug *Niesthrea louisianica Sailer*

**2 Total for Hibiscus**

## Holly

1 COTTONY CAMELLIA SCALE *Pulvinaria floccifera*

1 DARKWINGED FUNGUS GNATS

1 EUROPEAN HORNET *Vespa crabro germana Christ*

1 LATANIA SCALE *Hemiberlesia lataniae*

1 PAWPAW SPHINX *Dolba hyloeus*

1 SPRINGTAILS

2 TEA SCALE *Fiorinia theae Green*

1 TOBACCO HORNWORM *Manduca sexta*

2 White prunicola scale *Pseudaulacaspis prunicola*

**11 Total for Holly**

## Hydrangea

1 TWOSPOTTED SPIDER MITE *Tetranychus urticae Koch*

**1 Total for Hydrangea**

## Lilac

1 EUROPEAN HORNET *Vespa crabro germana Christ*

**1 Total for Lilac**

## Loropetalum

1 NO INSECTS FOUND

**1 Total for Loropetalum**

## Privet

1 BLACK VINE WEEVIL *Otiorhynchus sulcatus*

1 White prunicola scale *Pseudaulacaspis prunicola*

**2 Total for Privet**

## Rhododendron

2 BLACK VINE WEEVIL *Otiorhynchus sulcatus*

1 RHODODENDRON LACE BUG *Stephanitis rhododendri Horvath*

**3 Total for Rhododendron**

## Rose

1 LEAF-CUTTER BEES

1	Spotted lanternfly	<i>Lycorma delicatula</i>
1	TWOSPOTTED SPIDER MITE	<i>Tetranychus urticae</i> Koch

<b>3</b>	<b>Total for Rose</b>
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### Sweetspire

1	NO INSECTS FOUND
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<b>1</b>	<b>Total for Sweetspire</b>
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### Viburnum

1	PUSS CATERPILLAR	<i>Megalopyge opercularis</i>
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<b>1</b>	<b>Total for Viburnum</b>
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### Wisteria

1	TWOSPOTTED SPIDER MITE	<i>Tetranychus urticae</i> Koch
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<b>1</b>	<b>Total for Wisteria</b>
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### Witchhazel

1	DAGGER MOTHS	<i>Acrionicta</i> spp.
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<b>1</b>	<b>Total for Witchhazel</b>
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<b>0</b>	<b>Samples with No Host Specified</b>
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**Count of samples submitted by  
Counties and Cities**

County	# of Samples	% of Total
ACCOMACK, VA	6	0.6
ALBEMARLE, VA	62	6.4
ALEXANDRIA CITY, VA	5	0.5
AMELIA, VA	4	0.4
AMHERST, VA	1	0.1
APPOMATTOX, VA	9	0.9
ARLINGTON, VA	8	0.8
AUGUSTA, VA	32	3.3
BEDFORD, VA	14	1.4
BOTETOURT, VA	6	0.6
BRUNSWICK, VA	4	0.4
BUCKINGHAM, VA	3	0.3
CAMPBELL, VA	8	0.8
CAROLINE, VA	2	0.2
CARROLL, VA	12	1.2
CHARLOTTE, VA	5	0.5
CHESAPEAKE CITY, VA	6	0.6

CHESTERFIELD, VA	17	1.8
CLARKE, VA	9	0.9
CRAIG, VA	10	1
CULPEPER, VA	9	0.9
CUMBERLAND, VA	3	0.3
DICKENSON, VA	2	0.2
DINWIDDIE, VA	6	0.6
FAIRFAX, VA	48	5
FAUQUIER, VA	7	0.7
FLOYD, VA	17	1.8
FLUVANNA, VA	3	0.3
FRANKLIN, VA	7	0.7
FREDERICK, VA	23	2.4
GILES, VA	12	1.2
GLOUCESTER, VA	2	0.2
GOOCHLAND, VA	9	0.9
GRAYSON, VA	2	0.2
GREENE, VA	3	0.3
GREENSVILLE, VA	3	0.3
HALIFAX, VA	5	0.5
HAMPTON CITY, VA	8	0.8

HANOVER, VA	7	0.7
HENRICO, VA	41	4.2
HENRY, VA	3	0.3
HIGHLAND, VA	1	0.1
ISLE OF WIGHT, VA	3	0.3
JAMES CITY, VA	4	0.4
KING GEORGE, VA	1	0.1
LANCASTER, VA	5	0.5
LEE, VA	13	1.3
LOUDOUN, VA	22	2.3
LOUISA, VA	8	0.8
LUNENBURG, VA	2	0.2
LYNCHBURG CITY, VA	25	2.6
MADISON, VA	6	0.6
MECKLENBURG, VA	1	0.1
MIDDLESEX, VA	1	0.1
MONTGOMERY, VA	82	8.5
NELSON, VA	26	2.7
NEW KENT, VA	2	0.2

NEWPORT NEWS CITY, VA	3	0.3
NORFOLK CITY, VA	1	0.1
NORTHAMPTON, VA	8	0.8
NORTHUMBERLAND, VA	4	0.4
NOTTOWAY, VA	4	0.4
ORANGE, VA	5	0.5
Out of State	3	0.3
PAGE, VA	10	1
PATRICK, VA	5	0.5
PETERSBURG CITY, VA	1	0.1
PITTSYLVANIA, VA	1	0.1
PORTSMOUTH CITY, VA	5	0.5
POWHATAN, VA	3	0.3
PRINCE EDWARD, VA	2	0.2
PRINCE GEORGE, VA	4	0.4
PRINCE WILLIAM, VA	26	2.7
PULASKI, VA	1	0.1

RAPPAHANNOCK, VA	11	1.1
RICHMOND CITY, VA	17	1.8
ROANOKE, VA	37	3.8
ROCKBRIDGE, VA	5	0.5
ROCKINGHAM, VA	14	1.4
RUSSELL, VA	11	1.1
SCOTT, VA	2	0.2
SHENANDOAH, VA	10	1
SMYTH, VA	8	0.8
SOUTHAMPTON, VA	2	0.2
SPOTSYLVANIA, VA	11	1.1

STAFFORD, VA	4	0.4
SUFFOLK CITY, VA	5	0.5
SUSSEX, VA	2	0.2
TAZEWELL, VA	4	0.4
VIRGINIA BEACH, VA	17	1.8
WARREN, VA	9	0.9
WASHINGTON, VA	25	2.6
WESTMORELAND, VA	3	0.3
WISE, VA	4	0.4
WYTHE, VA	11	1.1
YORK, VA	23	2.4
<b>Total</b>	<b>966</b>	