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Insect Identification Laboratory

Annual Report 1987

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INTRODUCTION

This report summarizes the activity of the Insect Identification Laboratory at Virginia Tech for 1987. The laboratory is located in 312 Price Hall. It is managed by Eric Day, Lab Specialist, F. William Ravlin, and John A. Weidhaas, Extension Entomologists, Department of Entomology.

Specimens are identified and recorded in the lab, then sent to Extension Entomologists who handle particular commodity groups for control recommendations and additional comments. All specimen data are entered into the Insect I. D. Lab computer data base on the Virginia Tech mainframe computer. The data base greatly facilitates sorting and storage of the information. Sue Rutherford is responsible for all data base management. Some of the records were sent via microcomputer to the Cooperative National Plant Pest Survey and Detection Program (USDA, APHIS, PPQ). We at Virginia Tech acknowledge support provided by this program.

Starting in 1987 the Insect I.D. Lab computer data base became available for access by county agents to check on samples being processed. Access to this program is provided through the Extension network (XNET). The data base was queried 198 times in 1987. Agents wishing to access the data base should first log on to the mainframe computer. Once logged on type **CLINIC** and press the return key. The program then asks a series of questions to select the proper data set for your search and compose the actual search query. This program assists agents in making identifications in their offices based on previous samples and it is also helpful in obtaining usage counts for annual VEMIS reports. A manual detailing this program was sent out to all county offices; additional copies are available from the Insect Identification Laboratory and in the October 1987 issue of the Plant Protection Newsletter (Vol. 7, No. 10).

In order to facilitate mailing insects and insect damaged specimens to the lab, local offices of the Cooperative Extension Service in Virginia are provided with Insect

Identification and Diagnosis Request forms (form 444-113), alcohol vials, and mailing tubes. Specimens may also be brought directly to the lab or mailed to:

Insect Identification Laboratory
Extension Entomology
312 Price Hall
VPI&SU Blacksburg, VA 24061-5796
(703) 961-4899
SCATS 430-4899

Whenever possible insects are identified to the species level, but common names are used where possible because of their wide recognition.

A total of 1,731 requests were received in 1987. Eighty-six percent were forwarded by Extension Agents; the rest were brought or sent in directly by the general public. Identification requests from homeowners accounted for 62% of the total, 13% were from commercial growers and urban pest control operators, and 25% were from medical doctors, university faculty and staff, and unspecified sources. Control recommendations were requested in 78% of the cases, 5% requested identification only , and 16% did not specify one or the other.

Persons providing identifications and/or control recommendations:

Mr. Eric R. Day Laboratory Specialist	General
Dr. John A. Weidhaas, Jr Extension Entomologist	Ornamentals
Dr. William H Robinson Extension Entomologist	Household and Structural Wood, Fruits and Nuts, Lawn and Turf, Human
Dr. James E. Roberts, Sr. Extension Entomologist	Vegetables, Field Crops, and Animal
Dr. Michael Kosztarab Professor of Entomology	Scale Insects
Dr. Richard D. Fell Assoc. Professor of Entomology	Apiculture and Stinging Insects
Dr. John M. Luna Extension Entomologist	Alfalfa
Dr. Donald G. Cochran Professor of Entomology	Cockroaches
Dr. F. William Ravlin Associate Professor of Entomology	Gypsy Moths
Dr. Douglas G. Pfeiffer Assistant Professor	Fruit and Nuts

The following table lists the magnitude of activities and services provided by the Insect Identification Laboratory (IIL) and the faculty and staff associated with it since 1967.

Number of Specimens Identified

Year	Identifications for Extension Agents and the Public	Identifications from Black Light Traps at Ports of Entry	Identified by U.S. National Museum through The IIL
1967	318	a	a
1968	984	130	a
1969	1104	140	a
1970	1245	490	a
1971	1276	1120	100b
1972	970	557	516
1973	1124	683	184
1974	1264	742	316
1975	1430	781	160
1976	1437	457	223
1977	1365	500b	282
1978	1351	550b	89
1979	1770	0	120
1980	1527	0	23
1981	2028	0	89
1982	2004	0	100
1983	1815	0	36
1984	1745	0	45
1985	1730	0	20
1986	1537	0	16
1987	1731	0	32
TOTAL	29755	6150	2351

aService not previously provided.
bEstimated figure.

SPECIMENS RECEIVED BY THE INSECT IDENTIFICATION LABORATORY IN 1987

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	% OF TOTAL
Ornamentals, Shade trees	13	6	32	44	92	158	119	87	57	32	16	16	672	38.8%
Household	24	24	53	75	63	81	68	52	51	37	27	26	581	33.6%
General	0	0	0	2	5	16	30	17	14	10	5	1	100	5.8%
Veg.|Field crops	1	0	0	2	13	51	35	21	15	13	1	0	152	8.8%
Fruits and nuts	4	0	11	5	12	48	29	9	9	8	3	0	138	8.0%
Lawns and turf	0	0	2	1	1	6	4	7	4	1	0	2	28	1.6%
Human	2	1	1	3	7	8	6	8	3	7	1	1	48	2.8%
Animal	0	0	0	0	1	3	4	1	1	1	0	0	11	0.6%
Apicultural	0	0	0	0	0	1	0	0	0	0	0	0	1	0.1%
TOTAL	44	31	99	132	194	372	295	202	154	109	53	46	1731	
% OF TOTAL	2.5%	1.8%	5.7%	7.6%	11.2%	21.5%	17.0%	11.7%	8.9%	6.3%	3.1%	2.7%		

INSECTS RECEIVED

Ornamental

	J	F	M	A	M	J	J	A	S	O	N	D	TOT
No Insects Found	0	0	3	0	3	11	8	4	7	4	2	4	46
Spruce Mite	0	0	3	2	3	4	2	4	1	0	0	1	20
Spider Mites	2	0	0	0	2	2	5	4	2	0	0	1	18
Not An Insect	3	2	1	3	1	2	1	0	3	1	0	0	17
Hickory Leaf Stem Gall	0	0	0	0	3	13	0	0	0	0	0	0	16
Aphids	0	0	0	2	3	6	0	2	1	0	0	0	14
Boxwood Mite	0	0	0	2	0	3	3	2	2	0	1	0	13
Boxwood Leafminer	0	0	1	2	2	2	3	1	0	1	0	0	12
Caterpillars	0	0	0	0	1	6	2	1	2	0	0	0	12
Plant Bugs	0	0	0	0	0	2	6	4	0	0	0	0	12
Azalea Lace Bug	0	0	0	0	1	0	2	4	3	0	0	0	10
Mealybugs	0	0	2	0	2	1	0	0	1	3	0	1	10
Sassafras Weevil	0	0	0	0	0	6	4	0	0	0	0	0	10
Bagworm	1	0	0	0	0	1	2	4	1	0	0	0	9
Twospotted Spider Mite	0	0	1	0	0	1	2	1	1	2	0	1	9
Boxelder Bug	0	0	0	0	1	1	1	2	1	1	0	1	8
Elm Leaf Beetle	0	0	0	0	0	4	4	0	0	0	0	0	8
Gall Wasps	0	0	0	0	3	2	1	2	0	0	0	0	8
Japanese Beetle	0	0	0	0	0	1	5	1	1	0	0	0	8
Black Vine Weevil	0	0	0	2	3	0	0	1	0	1	0	0	7
Boxwood Psyllid	0	0	0	1	1	2	1	1	1	0	0	0	7
Roundheaded Borers	0	0	1	1	0	0	0	4	0	0	0	1	7
Southern Red Mite	0	0	1	2	1	2	1	0	0	0	0	0	7
Oystershell Scale	0	0	1	1	3	0	0	0	0	1	0	0	6
Pine Bark Adelgid	1	0	1	1	2	0	0	1	0	0	0	0	6
White Pine Aphid	0	0	0	0	3	1	0	0	1	1	0	0	6

INSECTS RECEIVED

Ornamental

	J	F	M	A	M	J	J	A	S	O	N	D	TOT
Birch Aphid	0	0	0	0	2	2	0	0	1	0	0	0	5
Cottony Maple Scale	0	0	0	2	2	1	0	0	0	0	0	0	5
Euonymus Scale	0	0	0	0	0	1	1	1	2	0	0	0	5
European Hornet	0	0	2	0	0	0	1	1	0	1	0	0	5
Gall Mites	0	0	0	1	1	3	0	0	0	0	0	0	5
Lady Beetles	0	0	0	1	1	3	0	0	0	0	0	0	5
Mites	1	0	1	1	0	1	0	0	0	1	0	0	5
Oak Skeletonizer	0	0	0	0	0	2	0	3	0	0	0	0	5
Pales Weevil	0	0	0	0	0	3	1	0	1	0	0	0	5
San Jose Scale	0	0	1	1	3	0	0	0	0	0	0	0	5
Stink Bugs	0	0	0	0	0	2	2	1	0	0	0	0	5
Azalea Stem Borer	0	0	0	0	0	0	1	1	1	0	1	0	4
Borers	0	0	0	0	1	0	1	1	0	0	1	0	4
Could Not Diagnose	0	0	0	1	0	0	0	0	2	1	0	0	4
Earwigs	0	0	1	0	0	2	0	1	0	0	0	0	4
Fall Webworm	0	0	0	0	0	2	2	0	0	0	0	0	4
Pine Webworm	0	0	3	0	0	0	1	0	0	0	0	0	4
Whiteflies	0	0	0	0	0	1	1	2	0	0	0	0	4

RECEIVED 3 TIMES

Bark Beetles
Dogwood Twig Borer
Gouty Oak Gall
Leafhoppers
Millipedes
Oak Button Galls
Pine Needle Scale
Sawflies
Sowbugs
Syrphid Flies
Weevils
White Peach Scale
Cyclamen Mite
Gladiolus Thrips
Hackberry Leafslug
Maple Spindlegall
Norway Maple Aphid
Obscure Scale
Poplar Tentmaker
Sooty Mold
Spiders
Variable Oakleaf Caterpillar
Wheel Bug

INSECTS RECEIVED

Ornamental

RECEIVED 2 TIMES

Anthomyiid Flies
Azalea Leafminer
Blister Beetles
Brown Soft Scale
Carpenter Ants
Colorado Potato Beetle
Dogwood Sawfly
Eastern Spruce Gall Adelgid
Flatid Planthoppers
Forest Tent Caterpillar
Fungus Gnats
Gypsy Moth
Holly Leafminer
Juniper Webworm
Mimosa Webworm
Oak Lecanium
Redhumped Caterpillar
Scale Insects
Soldier Beetles
Stalk Borer
Thrips
Twig Girdler
Webworms
Woolly Pine Scale
Azalea Caterpillar
Balsam Woolly Adelgid
Broadnecked Root Borer
Buck Moth
Carpenterworm
Cottony Maple Leaf Scale
Eastern Hercules Beetle
European Earwig
Flower Thrips
Fourlined Plant Bug
Greenstriped Mapleworm
Hemlock Woolly Adelgid
Japanese Weevil
Maskell Scale
Oak Lace Bug
Praying Mantids
Rhododendron Borer
Scoliid Wasps
Sphinx Moths
Termites
Tussock Moths
Wasp Galls
Woolly Beech Aphid

RECEIVED 1 TIME

Allegheny Mound Ant
Andrenid Bees
Ash Midrib Gall
Azalea Bark Scale
Barberry Looper
Bee Flies
Birch Leafminer
Blow Flies
Bugs
Burrower Bugs
Calico Scale
Catalpa Sphinx
Cottony Camellia Scale
Crematogaster Ants
Crinkled Flannel Moth
Currant Aphid
Dogwood Borer
Eastern Pine Looper
Eastern Tent Caterpillar
Elongate Hemlock Scale
Ambrosia Beetles
Aphidlions
Assassin Bugs
Balsam Twig Aphid
Barberry Webworm
Beech Leaftier
Black Scale
Boxwood Webworm
Bumblebee Moth
Bush Cricket
Carolina Mantid
Cicadas
Crape Myrtle Aphid
Crickets
Cuckoo Bees
Darkwinged Fungus Gnats
Dogwood Bud Gall
Eastern Pine Shoot Borer
Elm Leaf Curl Aphid
European Corn Borer

INSECTS RECEIVED

Ornamental

European Fruit Lecanium
Gall Adelgids
Gouty Vein Gall
Green Peach Aphid
Harlequin Bug
Honeylocust Plant Bug
Imported Willow Leaf Beetle
Introduced Pine Sawfly
June Beetles
Katydids
Latania Scale
Leaf Rolling Weevil
Leafrollers
Looper
Morningcloak Butterfly
Moths
Mydas Flies
Oak Aphids
Oleander Scale
Parasitic Wasps
Pear Sawfly
Pine Sawyers
Polyphemus Moth
Pyralid Moths
Redheaded Ash Borer
Saddled Prominent
Sap Beetles
Shothole Borer
Solitary Bees
Spiny Elm Caterpillar
Strawberry Root Weevil
Tachinid Flies
Taxus Mealybug
Tree Crickets
Twig Pruner
Virginia Pine Sawfly
Wood Roaches
Woolly Catkin Gall
Woollybears
Yellownecked Caterpillar

Fern Scale
Giant Bark Aphid
Green Fruitworm
Greenhouse Whitefly
Hickory Seed Gall
Hoplia Beetles
Insect Galls
Iris Borer
Juniper Scale
Lace Bugs
Leaf Beetles
Leaf Skeletonizers
Longhorned Beetles
Maggots
Moth Flies
Mulberry Whitefly
Noctuid Moths
Oak Treehopper
Orangestriped Oakworm
Peachtree Borer
Pesticide Kill
Pine Tip Moths
Psocids
Red And Black Stink Bug
Redheaded Pine Sawfly
Saltmarsh Caterpillar
Shore Flies
Silverspotted Skipper
Spicebush Swallowtail
Springtails
Succulent Oak Gall
Tarnished Plant Bug
Tortoise Beetles
Treehoppers
Vein Pocket Gall
Waterlily Caterpillar
Wool Sower Gall
Woolly Elm Aphid
Yellow Ants
Yucca Plant Bug

INSECTS RECEIVED

Household

	J	F	M	A	M	J	J	A	S	O	N	D	TOT
Carpenter Ants	2	6	4	10	11	5	5	5	0	1	1	1	51
Carpet Beetles	2	1	2	2	3	4	3	1	2	3	3	0	26
Indianmeal Moth	1	2	5	4	1	1	0	2	1	5	1	3	26
Eastern Subterranean Termite	0	0	5	8	6	5	0	0	0	1	0	0	25
Wood Roaches	0	0	0	5	7	8	3	0	0	0	0	0	23
Ground Beetles	0	0	1	0	1	9	2	1	3	0	1	1	19
Millipedes	0	0	0	1	1	2	4	4	1	1	0	2	16
Longhorned Beetles	0	0	6	2	1	0	3	1	0	0	0	0	13
Pavement Ant	0	1	1	1	1	3	2	1	1	0	0	0	11
Old House Borer	1	0	0	1	2	2	1	0	1	1	0	1	10
Elm Leaf Beetle	0	0	2	3	0	0	0	0	2	1	1	0	9
Boxelder Bug	0	2	1	0	0	1	0	0	0	3	1	0	8
Springtails	1	0	1	0	1	0	0	0	1	0	0	4	8
Termites	1	0	0	1	0	2	2	0	1	1	0	0	8
Cigarette Beetle	0	0	0	0	1	0	2	2	2	0	0	0	7
European Hornet	0	0	0	0	1	1	0	1	4	0	0	0	7
Oriental Cockroach	0	0	0	2	1	3	0	0	1	0	0	0	7
Red Flour Beetle	1	0	0	2	0	2	0	1	0	0	0	1	7
Varied Carpet Beetle	0	1	2	3	1	0	0	0	0	0	0	0	7
Bark Beetles	1	0	0	2	0	0	0	0	2	0	1	0	6
Lesser Mealworm	0	0	0	0	0	2	1	1	0	0	1	1	6
Moth Flies	1	0	0	0	0	0	0	1	1	2	1	0	6
Sawtoothed Grain Beetle	0	0	0	1	1	0	1	1	0	1	1	0	6
Soldier Beetles	0	0	0	0	0	0	0	0	3	3	0	0	6
Formica Ants	0	0	0	1	0	1	1	1	1	0	0	0	5
Humpbacked Flies	0	0	1	0	0	1	2	0	0	1	0	0	5

INSECTS RECEIVED

Household

	J	F	M	A	M	J	J	A	S	O	N	D	TOT
Minute Brown Scavenger Beetle	0	0	0	0	0	1	3	1	0	0	0	0	5
Not An Insect	0	1	1	1	0	0	1	0	0	0	1	0	5
Blow Flies	0	0	0	2	0	0	0	0	1	0	1	0	4
Click Beetles	0	0	0	1	0	1	0	2	0	0	0	0	4
Clothes Moths	1	0	0	0	0	1	1	0	0	1	0	0	4
Crematogaster Ants	1	1	0	0	1	1	0	0	0	0	0	0	4
Hoplia Beetles	0	0	0	4	0	0	0	0	0	0	0	0	4
Larder Beetle	1	0	0	2	0	0	1	0	0	0	0	0	4
Larger Yellow Ant	1	0	0	3	0	0	0	0	0	0	0	0	4
Meal Moth	1	0	1	0	0	2	0	0	0	0	0	0	4
Smaller Yellow Ant	0	0	0	0	0	1	0	0	0	1	2	0	4
Spiders	0	0	1	0	1	0	0	1	0	0	0	1	4
Squarenecked Grain Beetle	0	0	0	0	0	0	3	1	0	0	0	0	4
Stoneflies	0	2	0	0	0	2	0	0	0	0	0	0	4
Yellow Ants	1	0	2	0	0	0	0	0	0	1	0	0	4

RECEIVED 3 TIMES

American Cockroach
Asiatic Oak Weevil
Brownbanded Cockroach
Casemaking Clothes Moth
European Earwig
Murkymeal Moth
Sowbugs
Ants
Black Carpet Beetle
Camel Crickets
Drugstore Beetle
Fungus Gnats
No Insects Found

RECEIVED 2 TIMES

Andrenid Bees
Anobiid Beetles
Bed Bugs
Booklice
Cat Flea
Cicada Killer
Confused Flour Beetle
Angoumois Grain Moth
Aphodian Dung Beetles
Black Larder Beetle
Carpenter Bee
Centipedes
Cluster Fly
Could Not Diagnose

INSECTS RECEIVED

Household

Darkling Beetles
Earwigs
Flesh Fly
Harlequin Bug
Ichneumon Wasps
Mayflies
Orb Weavers
Paper Wasps
Powder Post Beetles
Roundheaded Borers
Southern Yellowjacket
Threadwaisted Wasps
Wheel Bug
Darkwinged Fungus Gnats
Fleas
Fly Puparia
Horsehair Worms
Leafcutting Bees
Midges
Painted Hickory Borer
Parasitic Wasps
Pyralid Moths
Scoliid Wasps
Spider Beetles
Weevils

RECEIVED 1 TIME

Alfalfa Weevil
Antlions
Argentine Ant
Biting Midges
Brown House Moth
Carrion Beetles
Checkered Beetles
Cornfield Ant
Crickets
Dictynid Spiders
Dung Beetles
Eulophid Wasps
Flat Bark Beetles
Flies
Gall Midges
Glycyphagid Mites
Heleomyzid Flies
House Centipede
Jumping Spiders
Lady Beetles
Leaf Beetles
Lightningbugs
Mealworm
Moth Pupae
Oil Beetle
Pharaoh Ant
Pseudoscorpions
Red Shouldered Ham Beetle
Redlegged Ham Beetle
Robust Bot Flies
Rusty Grain Beetle
Scarab Beetles
Sod Webworms
Spider Wasps
Tanbark Borer
Ambrosia Beetles
Aphids
Banded Hickory Borer
Black Widow Spider
Cabinet Beetle
Chalcid Wasps
Clover Mite
Crane Flies
Cylindrical Bark Beetles
Dogwood Sawfly
Eastern Yellowjacket
Firebrat
Flatheaded Borers
Furniture Beetle
German Cockroach
Hag Moth
Hide Beetle
Inch Worm
Lace Bugs
Lasius Ants
Leatherjacket
Maggots
Mites
Moths
Phantom Crane Flies
Pinhole Borers
Red Carpenter Ant
Redheaded Ash Borer
Robber Flies
Rose Chafer
Sawflies
Smokybrown Cockroach
Soldier Flies
Subterranean Termite
Tiphiid Wasps

INSECTS RECEIVED

Household

Vinegar Flies
Woodboring Beetles
Wolf Spiders
Woolly Elm Aphid

INSECTS RECEIVED

General

	J	F	M	A	M	J	J	A	S	O	N	D	TOT
Eastern Hercules Beetle	0	0	0	0	0	0	5	1	1	0	0	0	7
Horsehair Worms	0	0	0	0	0	2	0	0	2	1	0	0	5
Wheel Bug	0	0	0	0	0	0	4	1	0	0	0	0	5
Orb Weavers	0	0	0	0	0	0	1	0	2	1	0	0	4

RECEIVED 3 TIMES

Sphinx Moths

RECEIVED 2 TIMES

Dobsonfly
Mosquitoes
Painted Hickory Borer
Psocids
Spiders
Glowworms
Not An Insect
Pine Stump Prionus
Scoliid Wasps
Wolf Spiders

RECEIVED 1 TIME

Allegheny Mound Ant
Aphidlions
Asiatic Oak Weevil
Black Swallowtail
Boxelder Bug
Caddisflies
Carrion Beetles
Click Beetles
Elm Sawfly
European Hornet
Fall Armyworm
Gall Mites
Hickory Horned Devil
Io Moth
Lady Beetles
Minute Brown Scavenger Beetles
Moth Pupae
Mud-Dauber Wasps
Pseudoscorpions
Robber Flies
Saddleback Caterpillar
Sap Beetles
Soldier Flies
Spider Wasps
Squarenecked Grain Beetle
Tiphiid Wasps
Ants
Aphids
Assassin Bugs
Blister Beetles
Broadnecked Root Borer
Carpenterworm
Cicada Killer
Eastern Yellowjacket
Erineum Galls
Eyed Click Beetle
Flea Beetles
Ground Beetles
Imperial Moth
Ivorymarked Beetle
Leaf Beetles
Moth Flies
Moths
Polyphemus Moth
Pyralid Moths
Roundheaded Borers
Saltmarsh Caterpillar
Sawflies
Sphecid Wasps
Springtails
Tilehorned Prionus
Tortoise Beetles

INSECTS RECEIVED

General

Velvet Ants
Wood Roaches
Viceroy
Yellowjackets

INSECTS RECEIVED

Veg.|Field crops

	J	F	M	A	M	J	J	A	S	O	N	D	TOT
Thrips	0	0	0	0	0	4	3	0	0	0	0	0	7
Wireworms	0	0	0	0	0	0	1	1	1	4	0	0	7
Corn Earworm	0	0	0	0	0	2	1	0	1	1	0	0	5
Cutworms	0	0	0	0	1	2	0	1	1	0	0	0	5
Diamondbacked Moth	0	0	0	0	0	1	2	0	1	1	0	0	5
Flea Beetles	0	0	0	0	1	2	2	0	0	0	0	0	5
No Insects Found	0	0	0	1	0	2	2	0	0	0	0	0	5
Potato Leafhopper	0	0	0	0	0	2	3	0	0	0	0	0	5
Seedcorn Maggot	0	0	0	0	3	2	0	0	0	0	0	0	5
Squash Bug	0	0	0	0	0	2	2	1	0	0	0	0	5
Stalk Borer	0	0	0	0	0	4	1	0	0	0	0	0	5
European Corn Borer	0	0	0	0	0	2	1	0	0	1	0	0	4
Sap Beetles	0	0	0	0	0	4	0	0	0	0	0	0	4
Spider Mites	0	0	0	0	0	1	0	3	0	0	0	0	4
Twospotted Spider Mite	0	0	0	0	0	0	1	2	1	0	0	0	4

RECEIVED 3 TIMES

Aphids
Slugs
Fall Armyworm
Stink Bugs

RECEIVED 2 TIMES

Bean Leaf Beetle
Cicada Killer
Corn Rootworms
Flatfooted Flies
Ground Beetles
Longlegged Flies
White Grubs
Bean Root Aphid
Clover Root Curculio
Cowpea Curculio
Green June Beetle
Lady Beetles
Threecornered Alfalfa Hopper
Whiteflies

RECEIVED 1 TIME

Alfalfa Weevil
Allegheny Mound Ant

INSECTS RECEIVED

Veg.|Field crops

Armyworm
Black Cutworm
Blister Beetles
Cabbage Maggot
Cereal Leaf Beetle
Eastern Hercules Beetle
Fungus Gnats
Grass Sawfly
Indianmeal Moth
June Beetles
Leafminers
Melon Aphid
Not An Insect
Palestriped Flea Beetle
Squarenecked Grain Beetle
Syrphid Flies
Turnip Aphid
Yellow Mealworm

Asparagus Beetle
Black Swallowtail
Broad Headed Bug
Cabbage Webworm
Dingy Cutworm
Flower Thrips
Gall Midges
Green Peach Aphid
Japanese Beetle
Leaf Beetles
Mealybugs
Mottled Tortoise Beetle
Oribatid Mites
Pesticide Burn
Striped Cucumber Beetle
Tarnished Plant Bug
Wheel Bug

INSECTS RECEIVED

Fruits and nuts

	J	F	M	A	M	J	J	A	S	O	N	D	TOT
Eastern Tent Caterpillar	1	0	1	0	0	7	1	0	1	1	0	0	12
No Insects Found	0	0	1	0	0	5	1	1	1	0	0	0	9
Plum Curculio	0	0	0	0	0	3	3	0	1	1	1	0	9
San Jose Scale	0	0	1	2	0	1	2	0	2	0	1	0	9
Oriental Fruit Moth	0	0	1	0	0	4	1	0	0	0	0	0	6
White Peach Scale	1	0	0	2	2	1	0	0	0	0	0	0	6
Codling Moth	0	0	0	0	0	2	0	2	1	0	0	0	5
Spider Mites	0	0	0	0	0	4	0	1	0	0	0	0	5
Gall Mites	0	0	0	0	2	1	1	0	0	0	0	0	4
Stink Bugs	1	0	0	1	0	0	0	0	1	1	0	0	4
Walnut Caterpillar	0	0	0	0	0	0	4	0	0	0	0	0	4

RECEIVED 3 TIMES

Twospotted Spider Mite

RECEIVED 2 TIMES

Carolina Mantid
Fall Webworm
Japanese Beetle
Not An Insect
Sap Beetles
Spittlebugs
European Red Mite
Grape Tube Gall
Leaffooted Bugs
Pear Psylla
Sooty Mold
Tree Crickets

RECEIVED 1 TIME

Anthomyiid Flies
Black Walnut Curculio
Borers
Caterpillars
Chestnut Weevils
European Hornet
Fungus Gnats
Grape Cane Girdler
Grape Phylloxera
Green Peach Aphid
Japanese Weevil
Aphids
Blotch Leafminer
Brown Elfin
Cecropia Moth
Could Not Diagnose
Flower Thrips
Giant Swallowtail
Grape Erineum Mite
Green Fruitworm
Hickory Shuckworm
Katydids

INSECTS RECEIVED

Fruits and nuts

Pearleaf Blister Mite
Raspberry Cane Borer
Rednecked Cane Borer
Roundheaded Appletree Borer
Seedcorn Maggot
Strawberry Rootworm
Unicorn Caterpillar
Wheel Bug
Praying Mantids
Redhumped Caterpillar
Rose Chafer
Sawflies
Shothole Borer
Underwing Moths
Viceroy
White Apple Leafhopper

INSECTS RECEIVED

Lawns and turf

	J	F	M	A	M	J	J	A	S	O	N	D	TOT
Scoliid Wasps	0	0	0	0	0	0	0	3	3	0	0	0	6

RECEIVED 3 TIMES

Green June Beetle

RECEIVED 2 TIMES

Cicada Killer
Northern Masked Chafer
Velvet Ants
Millipedes
Sod Webworms

RECEIVED 1 TIME

Allegheny Mound Ant
Crane Flies
Hoplia Beetles
No Insects Found
Wolf Spiders
Bee Flies
Eastern Subterranean Termite
Mole Crickets
Plasterer Bees

INSECTS RECEIVED

Human

RECEIVED 3 TIMES

European Hornet

RECEIVED 2 TIMES

Assassin Bugs
Buck Moth
Phantom Midges
Wheel Bug
Bird Mites
No Insects Found
Saddleback Caterpillar

RECEIVED 1 TIME

American Dog Tick
Bed Bug
Booklice
Buprestid Beetle
Carpet Beetles
Crab Louse
Dictynid Spiders
German Cockroach
Humpbacked Flies
Longhorned Beetles
Mosquitoes
Root Aphids
Softwinged Flower Beetles
Spider Wasps
Ticks
Wolf Spiders
Aphids
Black Widow Spider
Brown Dog Tick
Carpenter Ants
Cicada Killer
Crane Flies
Eyed Click Beetle
Horse Flies
Leech
Minute Pirate Bugs
Parasitic Wasps
Scoliid Wasps
Southern Yellowjacket
Thrips
Velvet Ants

INSECTS RECEIVED

Animal

RECEIVED 3 TIMES

Blow Flies

RECEIVED 2 TIMES

Rattailed Maggots

RECEIVED 1 TIME

Brown Dog Tick
Mammal Chewing Lice
Soldier Flies
Cat Flea
Muscid Flies
Yellow Mealworm

INSECTS RECEIVED

Apicultural

RECEIVED 1 TIME

Could Not Diagnose

COUNTY SUMMARY

COUNTY	SPECIMENS
ACCOMACK	0
Albemarle	62
Alexandria(IC)	5
Alleghany	22
Amelia	7
Amherst	7
Appomattox	17
Arlington	13
Augusta	50
BATH	0
Bedford	20
Bland	3
Botetourt	8
Brunswick	8
Buchanan	4
Buckingham	6
Campbell	9
Caroline	19
Carroll	44
Charles City	6
Charlotte	12
Chesapeake(IC)	36
Chesterfield	25
Clarke	9
Craig	6
Culpeper	21
Cumberland	7
Danville(IC)	33
Dickenson	23
Dinwiddie	9
Essex	8
Fairfax	9
Fauquier	22
Floyd	12
Fluvanna	4
Franklin	30
Frederick	37
Giles	9
Glouchester	6
Goochland	5
Grayson	11
Greene	10
Greensville	5
Halifax	10
Hampton(IC)	23
Hanover	74
Henrico	42
Henry	28
Highland	6
Isle of Wight	20
James City	49
King and Queen	4
King George	12
King William	5
Lancaster	20
Lee	14

COUNTY	SPECIMENS
Loudoun	14
Louisa	4
Lunenberg	19
Lynchburg(IC)	35
Madison	12
Mathews	5
Mecklenberg	7
Middlesex	12
Montgomery	220
Nelson	2
New Kent	6
newport news(ic)	14
Norfolk(IC)	7
NORTHAMPTON	0
Northumberland	4
Nottoway	6
Orange	13
Page	9
Patrick	6
Petersburg(IC)	3
Pittsylvania	7
Powhatan	7
Prince Edward	16
Prince George	14
Prince William	8
Pulaski	8
Rappahannock	23
Richmond	7
Richmond(IC)	10
Roanoke	10
Roanoke(IC)	4
Rockbridge	18
Rockingham	50
Russell	8
Scott	13
Shenandoah	10
Smyth	8
Southampton	2
Spotsylvania	7
Stafford	10
Suffolk(IC)	4
Surry	4
Sussex	18
Tazewell	28
Virginia Beach(IC)	7
Warren	14
Washington	10
Westmoreland	17
Wise	6
Wythe	17
York	1
TOTAL	1731