

BULLETIN 281

AUGUST, 1926

Connecticut Agricultural Experiment Station
New Haven, Connecticut

GENERAL INDEX
TO
REPORTS OF THE
STATE ENTOMOLOGIST
OF
CONNECTICUT
1901 - 1925

W. E. BRITTON, Ph.D.
State Entomologist

Connecticut Agricultural Experiment Station
New Haven, Connecticut

GENERAL INDEX
TO
REPORTS OF THE
STATE ENTOMOLOGIST
OF
CONNECTICUT
1901-1925

W. E. BRITTON, Ph.D.
State Entomologist

The Bulletins of this Station are mailed free to citizens of Connecticut who apply for them, and to other applicants as far as the editions permit.

CONNECTICUT AGRICULTURAL EXPERIMENT STATION

OFFICERS AND STAFF

as of

August 1926

BOARD OF CONTROL

His Excellency, John H. Trumbull, *ex-officio*, President

Charles R. Treat, <i>Vice-President</i>	Orange
George A. Hopson, <i>Secretary</i>	Mount Carmel
Wm. L. Slate, Jr., <i>Director and Treasurer</i>	New Haven
Joseph W. Alsop	Avon
Elijah Rogers	Southington
Edward C. Schneider	Middletown
Francis F. Lincoln	Cheshire

STAFF.

E. H. JENKINS, PH.D., *Director Emeritus.*

Administration.	Wm. L. SLATE, JR., B.Sc., <i>Director and Treasurer.</i> MISS L. M. BRAUTLECHT, <i>Bookkeeper and Librarian.</i> MISS J. V. BERGER, <i>Stenographer and Bookkeeper.</i> MISS MARY E. BRADLEY, <i>Secretary.</i> G. E. GRAHAM, <i>In charge of Buildings and Grounds.</i>
Chemistry. Analytical Laboratory.	E. M. BAILEY, PH.D., <i>Chemist in Charge.</i> C. E. SHEPARD OWEN L. NOLAN HARRY J. FISHER, A.B. } <i>Assistant Chemists.</i> W. T. MATHIS FRANK C. SHELDON, <i>Laboratory Assistant.</i> V. L. CHURCHILL, <i>Sampling Agent.</i> MISS MABEL BACON, <i>Stenographer.</i>
Biochemical Laboratory.	T. B. OSBORNE, PH.D., <i>Chemist in Charge.</i> H. B. VICKERY, PH.D., <i>Biochemist.</i> MISS HELEN C. CANNON, B.S., <i>Dietitian.</i>
Botany.	G. P. CLINTON, Sc.D., <i>Botanist in Charge.</i> E. M. STODDARD, B.S., <i>Pomologist.</i> MISS FLORENCE A. MCCORMICK, PH.D., <i>Pathologist.</i> WILLIS R. HUNT, PH.D., <i>Assistant in Botany.</i> A. D. McDONNELL, <i>General Assistant.</i> MRS. W. W. KELSEY, <i>Secretary.</i>
Entomology.	W. E. BRITTON, PH.D., <i>Entomologist in Charge; State Entomologist.</i> B. H. WALDEN, B.Agr. } <i>Assistant Entomologists.</i> M. P. ZAPPE, B.S. } PHILIP GARMAN, PH.D., } ROGER B. FRIEND, B.Sc., <i>Graduate Assistant.</i> JOHN T. ASHWORTH, <i>Deputy in Charge of Gipsy Moth Work.</i> R. C. BOTSFORD, <i>Deputy in Charge of Mosquito Elimination.</i> MISS GRACE A. FOOTE, B.A., <i>Secretary.</i>
Forestry.	WALTER O. FILLEY, <i>Forester in Charge.</i> H. W. HICOCK, M.F., <i>Assistant Forester.</i> J. E. RILEY, JR., M.F., <i>In charge of Blister Rust Control.</i> MISS PAULINE A. MERCHANT, <i>Stenographer.</i>
Plant Breeding.	DONALD F. JONES, S.D., <i>Geneticist in Charge.</i> P. C. MANGELSDORF, S.D., <i>Assistant Geneticist.</i> H. R. MURRAY, B.S., <i>Graduate Assistant.</i>
Soil Research.	M. F. MORGAN, M.S., <i>Investigator.</i> H. G. M. JACOBSON, M.S., <i>Assistant.</i>
Tobacco Sub-station at Windsor.	PAUL J. ANDERSON, PH.D., <i>Pathologist in Charge.</i> N. T. NELSON, PH.D., <i>Assistant Physiologist.</i>

REPORTS OF THE STATE ENTOMOLOGIST

The report of the State Entomologist has been issued each year, beginning with the establishment of the office in 1901. Consequently the number of each report is the same as that of the year which it covers, in this the twentieth century. Thus the 1st Report covers the year 1901, and the 25th Report the year 1925. For the sake of brevity the first two figures have been omitted, thus '01, '25. As the Annual Reports of the Station contain the Reports of the State Entomologist, in this index it seemed best to cite the number of the year instead of the report number, so that the index may be used as well for entomological matter in the full Station Reports as for the Reports of the State Entomologist.

As there are now many entomologists who keep files of these Reports, and as certain scientific and public libraries bind them separately, though each has its own index, a general index is a great help to ready reference and will make the set far more useful. Nearly half of these Reports, particularly the earlier numbers, are out of print and cannot be furnished except as occasionally copies are returned. These are reserved to complete sets for institutions and entomologists.

Acknowledgment should here be made to other members of the Entomological Department, for assistance in planning this index and in preparing the manuscript.

ERRATA

1903

Page 217, seventh line from bottom, for "*Chinaspis*" read *Chionaspis*.
Plate viii, b and c, show work and pupa of *Sesia tipuliformis*, Linn., instead of *Psenocerus supernotatus* Say.

1904

Page 201, fourteenth line from top, for "20000" read 2000.

1905

Page 256, third line from bottom, and index; for "*hamadryella*" read *hamadryadella*.

1906

Page 223, second line, for "has" read have, and for "are" read is.

" 240, second line, for "if needed" read where necessary.

" 243, sixth line, for "was" read were.

" 253, twentieth line, for "137" read 138.

" 301, twelfth line from bottom, for "850" read 350; fifth line from bottom, for "were" read was.

" 306, tenth line, for "larva" read larvae.

1907

Page 271, second line, for "weight" read weigh.

1908

Page 777, last line, for "Ridley" read Riley.

1909

Page 674, sixteenth line from top, for "xxiii" read xxviii.

" 678, seventh line from bottom, for "xxiii" read xxviii.

" 696, subtitle, and 697, seventh line, legend under Fig. 18, page 698, eleventh line, and legend under Plate xxix, c, for "*Hemiscopsis*" read *Hemiscopsis*.

1920

Pages 142 and 143, top of third column, for "average" read acreage.

1925

Page 228, seventeenth line from bottom, for "*abietis*" read *abietis*.

" 278, eleventh line from bottom, for "*Toxoptera graminum*, Rondani," read *Rhopalosiphum prunifoliae*, Fitch (*Aphis avenae*, in part, of American authors).

" 321, tenth line, and in legend under Plate xvii, b, for "*salicifolia*" read *Thunbergi*.

INDEX TO ILLUSTRATIONS

MAPS

- Hartford, Conn., Map showing mosquito breeding areas, '04, facing page 280.
Mosquito breeding areas at mouth of Connecticut River, map showing, '15, facing page 154.
New Haven, Conn., Map showing mosquito breeding areas, '04, facing page 294.
Stonington, Conn., Map showing area infested by gipsy moth, '06, facing page 236.

TEXT FIGURES

- Agrilus sinuatus*, sinuate pear borer, '20, Fig. 11.
Agromyza simplex, asparagus miner, '06, Fig. 13.
Agrotis ypsilon, black cutworm, '06, Fig. 8.
Aleyrodes vaporariorum, white fly or plant house aleyrodes, '02, Figs. 6-10.
Alsophila pometaria, fall canker worm, '08, Fig. 9.
Anarsia lineatella, peach twig borer, '18, Figs. 10-11.
Anasa tristis, squash bug, '08, Figs. 14-16.
Anatis 15-punctata, fifteen-spotted lady-beetle, '10, Fig. 21.
Anisota senatoria, orange-striped oak-worm, '02, Fig. 18.
Anomala binotata, '02, Fig. 19.
Anomala orientalis, Asiatic beetle, '25, Figs. 46-47.
Anopheles maculipennis, malaria mosquito, '04, Figs. 12, 14, 15; '23, Fig. 16.
Anopheles punctipennis, '04, Fig. 13.
Anuraphis roseus (*Aphis sorbi*), rosy apple aphid, '09, Fig. 3.
Aphiochaeta rufipes, '10, Figs. 15-17.
Aphis gossypii, melon aphid, '08, Fig. 17.
Aphis pomi, green apple aphid, '03, Figs. 34-36.
Aphis pseudobrassicæ, turnip aphid, '16, Fig. 2.
Aspidiotus perniciosus, San José scale, '01, Fig. 1; '03, Figs. 27, 32.
Autographa (*Plusia*) *brassicæ*, cabbage looper, '10, Fig. 22.
- Beaver swamp, New Haven, Map showing mosquito breeding areas, '08, Fig. 10.
Bucculatrix canadensisella, birch leaf skeletonizer, '10, Figs. 19-20.
- Caliroa cerasi*, pear and cherry slug, '20, Figs. 12-13.
Caterpillar brush, '02, Fig. 5.
Certificate of inspection, nurseries, '25, Fig. 38.
Chilocorus bivulnerus, twice-stabbed lady-beetle, '02, Fig. 1.
Chionaspis furfura, scurfy scale, '03, Figs. 28-29.
Chloridea virescens (*Heliothis rhexiæ*), tobacco bud worm moth, '09, Fig. 6.
Connecticut, Map showing area infested by brown-tail moth, '11, Fig. 1; '14, Fig. 3; '18, Fig. 7; '19, Fig. 16.
Map showing area infested by gipsy moth, '14, Fig. 2; '15, Fig. 1; '16, Fig. 1; '17, Fig. 1; '18, Fig. 7; '19, Fig. 16; '20, Fig. 4; '21, Fig. 1; '22, Figs. 4-5; '23, Fig. 9; '24, Fig. 7; '25, Fig. 41.
Map showing area occupied by brood II of the periodical cicada, '11, Fig. 2.
and Rhode Island, map of, '06, Fig. 2.
Conotrachelus nenuphar, plum curculio, '04, Fig. 10.
Crioceris asparagi, asparagus beetle, '21, Fig. 4.
Cryptorhynchus lapathi, willow curculio, '07, Fig. 5.

- Culex cantator*, brown salt marsh mosquito, '04, Fig. 18; '12, Fig. 1.
pipiens, rain barrel mosquito, '04, Figs. 11, 16; '23, Figs. 11-13.
pretans, '04, Fig. 22.
sollicitans, banded salt marsh mosquito, '04, Figs. 17, 19; '12, Fig. 2;
 '23, Fig. 14.
- Diabrotica vittata*, striped cucumber beetle, '08, Fig. 12; '17, Fig. 2.
- Empoasca mali*, apple leaf hopper, '04, Fig. 7.
Epilachna borealis, squash lady-beetle, '08, Fig. 13.
Epitrix cucumeris, cucumber or potato flea-beetle, '06, Fig. 9.
Eristalis tenax, '10, Fig. 23.
Eulia velutinana, red-banded leaf-roller, '25, Fig. 45.
Euproctis chrysorrhoea, brown-tail moth, '02, Fig. 11; '07, Figs. 1-4; '10,
 Figs. 10-14.
Euschistus variolarius, spined tobacco bug, '06, Fig. 10.
- Formica fusca* var. *subsericea*, a common ant, '22, Fig. 11.
 Fumigating house for nursery stock, diagram, '06, Fig. 1.
- Galerucella xanthomelaena* (*luteola*), elm leaf beetle, '03, Fig. 33.
Glycobius (*Plagionotus*) *speciosus*, maple borer, '07, Fig. 6; '22, Fig. 10.
- Habrobraconidea bicoloripes*, '19, Fig. 19.
Halticus uhleri, garden flea-hopper, '04, Fig. 8.
Heliothis (*Chloridea*) *obsoleta*, corn ear worm, '21, Fig. 3.
Hemerocampa (*Orgyia*) *leucostigma*, white-marked tussock moth, '05, Fig.
 1; '16, Fig. 3.
Hemerophila pariana, apple and thorn skeletonizer, '20, Figs. 7-10; '21,
 Fig. 6.
Hemiscopsis cinerea, '10, Fig. 18.
Hylemyia (*Phorbia*, *Pegomyia*) *brassicae*, cabbage maggot, paper discs, '08,
 Figs. 19-20; '14, Figs. 4-6.
- Imported nursery stock, diagram showing source of, '14, Fig. 1.
- Janus integer*, currant stem-girdler, '20, Figs. 14-16.
- Lachnosterna fusca*, June beetle, '09, Fig. 9.
Lasioderma testaceum, cigarette beetle, '06, Figs. 11-12.
Laspeyresia molesta, Oriental peach moth, '18, Figs. 8-9; '25, Fig. 42.
Lepidosaphes ulmi (*Mytilaspis pomorum*), oyster-shell scale, '03, Figs.
 30-31.
Limax maximus, spotted garden slug, '18, Fig. 13.
Limonijs agonus, Eastern field wireworm, '25, Fig. 48.
Lygus pratensis, tarnished plant bug, '04, Fig. 9.
- Macrophya similima*, '25, Fig. 49.
Macrosiphum solanifolii, potato aphid, '17, Fig. 3.
Malacosoma (*Clisiocampa*) *americana*, tent caterpillar, egg-mass, '02,
 Fig. 3.
Melittia satyriniformis, squash borer, '08, Fig. 11.
 Mosquito ditching, changes in vegetation in three years, '15, Figs. 2-5.
 larva, showing parts used in classification, '04, Fig. 20.
 larvae, showing position of *Culex* and *Anopheles* in relation to
 surface of the water, '04, Fig. 21; '23, Fig. 15.
- Northeastern United States, map showing area infested by leopard moth,
 '11, Fig. 6.
- Orchard spraying experiments, plan of, '20, Fig. 5; '23, Fig. 10.
Otiorhynchus ovatus, strawberry crown girdler, '09, Fig. 8.

- Paratetranychus pilosus, European red mite, '20, Fig. 6 (1-5).
 ununguis, spruce mite, '22, Fig. 8.
- Pentilia misella, '02, Fig. 2.
- Permit, dealers', '25, Fig. 39.
 shippers', '25, Fig. 40.
- Phengodes laticollis?, a luminous insect, '03, Fig. 41.
- Phlyctaenia ferrugalis, greenhouse leaf-tyer, '09, Fig. 7.
- Phorbia rubivora, raspberry cane maggot, '02, Fig. 12.
- Photographing insects, hints on, '24, Figs. 8-15.
- Phytophaga violicola, violet gall midge, '21, Fig. 2.
- Pissodes strobi, white pine weevil, '19, Figs. 17-19.
- Plant zones of salt marsh, diagram, '04, Fig. 23.
- Plathypena scabra, green clover worm, '08, Fig. 18; '19, Fig. 20.
- Plodia interpunctella, Indian meal moth, '05, Fig. 7; '17, Fig. 4.
- Porthetria dispar, gipsy moth, '05, Figs. 2-6; '06, Figs. 3-7; '09, Figs. 1-2.
- Priophorus acericaulis, maple leaf-stem borer, '11, Fig. 4.
- Psenocerus supernotatus, native currant borer, '03, Fig. 42.
- Psylla pyricola, pear psylla, '03, Figs. 37-39; '25, Figs. 43-44.
- Pteronus ribesii, currant worm, '02, Figs. 13-17.
- Pyrausta nubilalis, European corn borer, map, '18, Fig. 12.
- Schizotetranychus schizopus, '22, Fig. 7.
- Scolytus quadrispinosus, hickory bark borer, injury by adults at axils of leaves, '01, Fig. 2.
- Sesia rhododendri, rhododendron borer, '22, Fig. 9.
- Syrphus torvus, '25, Fig. 50.
- Systema taeniata, banded flea-beetle, '15, Fig. 6.
- Tetranychus bimaculatus, common red spider, '20, Fig. 6 (6-10).
 populi, '22, Fig. 6.
- Thrips tabaci, onion thrips, '03, Fig. 40.
- Tibicen septendecim, 17-year locust or periodical cicada, '11, Figs. 2-3.
- Tmetocera ocellana, bud moth, '09, Fig. 4.
- Toumeyella liriiodendri, tulip tree scale, '21, Fig. 5.
- Tree pruners, '02, Fig. 4; '07, Fig. 4.
- Wallingford, Conn., Map showing area infested by gipsy moth, '09, Fig. 1.
- Zeuzera pyrina, leopard moth, '09, Fig. 5; '11, Figs. 5-10.

PLATES

- Acrobasis caryae, walnut bud moth, '12, VIII-IX.
- Acronycta (Apatela) oblongata, smeared dagger moth, '19, XXVII.
- Agrilus anxius, bronze birch borer, '22, XIV, c-d.
 bilineatus, galleries of, '13, XII, b.
 champlaini, galls of, '12, XVI, c.
 viridis var. fagi, rose stem girdler, '25, XIX, a.
- Agrotis unicolor, '25, XVIII.
 ypsilon, black cutworm, '06, XV, b and c.
- Alabama (Aletia) argillacea, cotton moth, '11, VIII, d; '23, XXIV, d.
- Alaus oculatus, eyed elater, '16, IX, a.
- Aleyrodes vaporariorum, white fly or plant house aleyrodes, '02, VIII-XI;
 '06, XVI, a.
- Alsophila pomataria, fall canker worm, '08, XLIV-XLIX; '24, XXXII.
- Altica (Haltica) chalybea, grapevine flea beetle, '25, IX, b.
- Alypia octomaculata, eight-spotted forester, '16, X-XI.
- Anaphothrips striatus, grass thrips, injury to corn, '19, XXIX, a.
- Anarsia lineatella, peach twig borer, '18, XXX, a.

- Anasa tristis*, squash bug, '08, LII, a, LIII, d.
Anatis 15-punctata, fifteen-spotted lady-beetle, '10, XXVII, a.
Anomala binotata, strawberry leaves eaten by, '02, XII, b.
 orientalis, Asiatic beetle, '22, XIV, b; '23, XX; '24, XXIV-XXV,
 a; '25, XI.
 Ants, cartridge injured by, '10, XXVIII, c.
Anuraphis roseus (*Aphis sorbi*), rosy apple aphid, '09, XII-XIII.
 tulipae (*Aphis gladioli*), tulip or gladiolus aphid, '19, XXXII.
Aphis pomi, green apple aphid, '03, VI, a.
 pseudobrassicae, turnip aphid, '16, IV, b; V.
Aphrophora parallela, parallel spittle bug, '16, XIII.
 Apparatus for scoring fruit, '25, V, b.
Archips cerasivorana, cherry tent-maker, '11, VII.
 rosana, '13, III-IV.
Argyresthia thuiella, arbor vitae leaf miner, '21, III-V.
Aspidiotus hederæ, white or oleander scale, '05, II, a.
 perniciosus, San José scale, '01, I-VI; '02, I-IV; '03, III-V;
 '04, IV-IX; '05, I, IV, a; '06, I-II, a and b.
Asterolecanium variolosum, pit-making oak scale, '05, III, a.
Aulacaspis pentagona, West Indian peach scale, '13, VII, a.
 rosæ, rose scale, '05, V.

Basilona imperialis, '11, VIII, b.
 Book injured by cockroaches, '04, III, b.
Bruchophagus funebris, clover seed chalcid, '19, XXX, a.
Bruchus obtectus, bean weevil, '17, XXV.
 pisorum, pea weevil, '17, XXXIV, e.
Bucculatrix canadensisella, birch leaf skeletonizer, '10, XXXII.
Byturus unicolor, raspberry fruit worm, strawberry blossoms injured
 by, '25, IX, a.

Calendra oryzae, rice weevil, '17, XXIV, c.
Callosamia promethea, promethea moth, cocoon, '13, IX, c.
Calosoma scrutator, caterpillar hunter, '06, II, c.
Cecidomyia gleditschiae, galls on honey locust, '04, II, b.
Ceresa bubalus, Buffalo tree hopper, '15, XV, c and e.
Cerotoma trifurcata, bean leaf beetle, '18, XXXI, c, d.
Chermes abietis, spruce gall aphid, '06, XVI, b; '22, XX, a.
 cooleyi, '16, XV, b; '22, XX, b.
 pinicorticis, pine bark aphid, '19, XV-XVI.
Chionaspis euonymi, euonymus scale, '05, II, b; '21, X, c.
 furfura, scurfy scale, '03, I; '05, IV, c.
 pinifoliae, pine leaf scale, '05, II, c; '21, XI, a.
Chrysobothris femorata, galleries of, '13, XII, b.
Chrysomphalus aonidum, circular or fig scale, '05, V, b.
 dictyospermi, Morgan's scale, '05, VI, a.
Cimbex americana, elm sawfly, '12, IX, c.
Cingilia catenaria, chain-dotted geometer, '23, XXIV, a-c.
Clastoptera proteus, blueberry spittle bug, '24, XXX, f.
Coleophora laricella, larch case bearer, '23, XIX.
Conistra indirecta, '21, XIII, a.
Conotrachelus crataegi, quince curculio, injury to pears, '25, XX, b-c.
 juglandis, walnut weevil, '12, IV-VII.
 nenuphar, plum curculio, '04, II, a.
Contarinia (*Diplosis*) *pyrivora*, pear midge, '13, VII, d and e.
Coptodisca splendoriferella, resplendent shield bearer, '21, XIV, b.
 Corn-feeding larva (unidentified), '19, XXIX, c.
Crambus praelectellus, '19, XXV.

- Crioceris asparagi*, asparagus beetle, '02, XV; '21, IX.
 12-punctata, twelve-spotted asparagus beetle, '21, IX, e.
Cyllene robiniae, locust borer, '11, VIII, e.
- Datana integerrima*, walnut caterpillar, '14, XIX, b; '17, XX, d, XXI.
 ministra, yellow-necked caterpillar, '01, XI, b; '17, XXII.
Depressaria heracliana, parsnip webworm, '19, XXX, b-c.
Diabrotica 12-punctata, twelve-spotted cucumber beetle, '08, LIII, a.
 longicornis, Western corn root worm, '24, XXX, e.
 vittata, striped cucumber beetle, '08, LI; LIII, b; '17, IV, V.
Diarthronomyia hypogaea, chrysanthemum gall midge, '18, XXXVI, b; '19, XXXI.
- Diaspis carueli*, juniper scale, '20, XIII, b.
 echinocacti var. cacti, cactus scale, '15, XII, b.
Dichomeris marginellus, juniper webworm, '15, XVI, b and c.
Dilophonota ello, '22, XIV, a.
Diorymellus laevimargo, orchid weevil, '18, XXXI, b.
Diplotaxis atlantis, '15, XV, a.
Diprion simile, imported pine sawfly, '15, VII-IX; '17, VI-IX.
Dusting apple trees, '20, IV-V, a.
 peach trees, '25, VI, b.
 peas, '24, XXXI, c.
- Elm twigs cut by grey squirrels, '02, XII, a.
Emphytus cinctus, imported rose sawfly, '15, XIII, a.
Empoasca mali, apple leaf hopper, '04, III, a.
Ennomos subsignarius, snow-white linden moth, '08, LIX, a.
Ephestia kuehniella, Mediterranean flour moth, '17, XXXVI, c.
Epilachna borealis, squash lady-beetle, '08, LII, b; LIII, c.
Epitrix cucumeris, cucumber or potato flea beetle, '06, XV, a.
Erannis tiliaria, lime tree span worm or winter moth, '15, XV, d; '24, XXX, a-d.
Eriococcus borealis, '25, XVII, b.
Eriophyes pini, European pine mite, '25, XVII, a.
 pyri, pear leaf blister mite, '10, XXVIII, b.
Eriosoma lanigerum, woolly apple aphid, '24, XXIX.
Erythraspides pygmaeus, grape-vine sawfly, '16, XVI, b.
Eulecanium nigrofasciatum, terrapin scale, '05, IV, e; '21, X, b.
Eulia pinatubana, pine tube moth, '19, XXXII, a.
 velutinana, red-banded leaf roller, '20, VI, a.
Euphoria aurata, European green rose chafer, '09, XVI, c.
 inda, bumble flower beetle, '21, XV, a.
Euproctis chrysorrhoea, brown-tail moth, '02, XIII; '07, XIV; '10, XXX, XXXI; '11, II, b; '13, I-II.
Eu Vanessa antiopa, mourning cloak butterfly, '06, XI.
 Exhibit in entomology at fairs, '11, I.
- Feltia venerabilis*, '22, XVII.
Fenusa pumila, birch sawfly leaf-miner, '24, XXXV, a.
 Fly trap, '24, XXI, a.
 Fumigating box, '02, III, a.
 house for nursery stock, '01, XI, a; '06, I, b.
 tent, '02, IV.
- Fungus attacking San José scale, '02, III, c.
- Galerucella xanthomelaena* (luteola), elm leaf beetle, '08, LIV-LVI.
 Galls on gooseberry, '13, XI, a.
Gelechia abietisella, hemlock webworm, '22, XVIII.
Glycobius (*Plagionotus*) *speciosus*, maple borer, '22, XI-XII.

- Gossyparia spuria*, elm scale, '05, III, c.
Gryllus domesticus, European house cricket, '18, XXXIII, c; '23, XXIII, b.
Hadena fractilinea, lined corn borer, '19, XXI, a.
 turbulenta, '14, XII, c and d.
Halisidota caryae, hickory tussock moth, '07, XV; '08, LIX, b; '17, XIX-XX, a and c.
 tessellaris, tessellated tussock moth, '17, XX, b.
Harpiteryx xylostella, '20, XV, b-c.
Heliophila (*Cirphis*) *unipuncta*, army worm, '14, XIII-XVII; '19, XXVI.
Heliolithis obsoleta, corn ear worm, '19, XXVIII; '21, VII-VIII.
Hemerocampa definita, '13, XII.
 (*Orgyia*) *leucostigma*, white-marked tussock moth, '05, VIII-IX; '16, VI-VII.
Hemerochloa pariana, apple and thorn skeletonizer, '20, X; '21, IV, b-c.
Hemiscopea cinerea, '10, XXIX, c.
Homorus undulatus, '05, VI, c and d.
Hylemyia (*Phorbia*) *brassicarum*, cabbage maggot, '14, IX-XII; '15, VI.
 cilicrura, seed corn maggot, '21, VI.
Hyphantria cunea, fall webworm, '01, IX; '17, XVI-XVIII.
Hypoderma sp., ox warble fly, '20, XV, a.

Illinoia pisi, pea aphid, '24, XXXI, b-c; '25, VII-VIII.
Insectary, '16, I, a; '23, IX.
Ischnaspis longirostris, thread scale, '05, V, c.
Ithycerus noveboracensis, New York weevil, '08, LIX, c.
Itycorsia zappei, '20, VIII.

Janus integer, currant stem girdler, '20, XII, a.
Julus hortensis, garden millipede, '12, XVI, a and b.

Kaliofenusa ulmi, elm leaf miner, '20, XIII, a.
Kermes galliformis?, oak gall scale, '05, VI, b.
 sassceri, oak gall scale infested with *Euclementia bassettella*, '16, XII, c.
Kerosene emulsion, preparation of, '18, XXVIII.

Lachnosterna fusca, June beetle, '12, XV; '15, XI.
Lagoa crispata, crinkled flannel moth, '02, XV, d.
Laphygma frugiperda, fall army worm, '12, XIV.
Lasiptera vitis, grapevine tomato gall, '16, XVI, a.
Laspeyresia molesta, Oriental peach moth, '18, XXIX; '23, XVIII; '24, XXVI-XXVIII; '25, VI.
Latreillimyia bifasciata, '11, VIII, b.
Lecanium corni (*Eulecanium armeniacum*), apricot scale, '05, IV, d.
Lepidosaphes newsteadii, '15, XII, a.
 ulmi (*Mytilaspis pomorum*), oyster-shell scale, '03, II; '05, IV, b.
Leptobyrza rhododendri, rhododendron lace bug, '21, XV, b.
Leucaspis japonica, '15, XII, c.
 Lime-sulphur, outfit for making, '02, III, a; '03, IV; '04, V, b, VI, IX; '05, I.
Limonijs agonus, Eastern field wireworm, '25, XII.
Listronotus latiusculus, parsley stalk weevil, '13, XI, b.
Lygaenematus erichsoni, larch sawfly, '15, IV, a, V.
Lygidea mendax, apple red bug, '14, XX; '17, II-III; '20, VII.

Macroductylus subspinosus, rose chafer, '05, XII, b; '16, VIII-IX.
Macronoctua onusta, iris borer, '15, XV, b; '18, XXXIII, a-b.
Macrophya simillima, '24, XXXVI; '25, XIX, b.
Macrosiphum solanifolii, potato aphid, '17, X-XI.

- Malacosoma (Clisiocampa) americana*, tent caterpillar, '02, V-VII; '13, V-VI.
Marmara (Gracilaria) elotella, apple twig miner, '17, XXX, b-c.
Melalopha (Ichthyura) inclusa, poplar tent-maker, '11, VIII, a.
Melittia satyriniformis, squash borer, '08, L.
Mineola indiginella, apple leaf-crumpler, '11, II, a.
Monarthropalpus buxi, box leaf miner, '23, XXIII, a.
Monophadnoides rubi, raspberry sawfly, '18, XXXII.
 Mosquito breeding areas, '04, X-XVI.
 dikes, '23, XXII.
 ditching, machine for, '04, XVI, b.
 by hand, '04, XV, b; '12, XI-XII; '16, XIV; '17, XXVIII-XXX, a; '23, XXI; '24, XXXIII-XXXIV; '25, XIV-XVI.
 wing showing scales, '04, XIV, b.
 wrigglers in water, '04, XIII, b.
 jar for exhibiting, '04, XIII, a.
- Nephrotoma ferruginea*, crane-fly injuring tobacco, '25, XIII.
Noctua c-nigrum, spotted cutworm, '22, XVI.
 fennica, '25, XVIII.
 Noctuid caterpillars, injury to fruit trees and raspberry plants by, '25, XVIII.
 Nursery stock, fumigation of, '01, XI, a; '06, I, b-II, b.
 inspection of, '06, I.
 imported, '09, I; '13, V, a.
- Oiling mosquito breeding pools, '12, IX, d; XIII; '13, X.
Olethreutes hebesana, '18, XXXI, a.
 hemidesma, '17, XXXI, a-b.
Omphalocera dentosa, '11, III.
Ormenis pruinosa and *septentrionalis*, mealy flats, '21, XII.
Orthezia insignis, greenhouse orthezia, '05, II, e.
Otiorynchus sulcatus, black vine weevil, '13, VII.
Oxyptilus periscelidactylus, grape plume moth, '14, XXIV, a.
- Paleacrita vernata*, spring canker worm, '08, XLIV, b; XLVII, a.
Pamphilius dentatus, blackberry sawfly, '12, I-III.
 persicum, peach sawfly, '07, I-VI.
Papaipema nitela, stalk borer, '19, XXIII-XXIV.
Papilio polyxenes (asterias), celery butterfly, '20, XI.
Paragrotis messoria, '22, XIX.
Parandra brunnea, parandra borer, '21, XVI, b.
Paratenodera sinensis, Chinese mantid, egg-mass, '03, VI, c.
Paratetranychus pilosus, European red mite, '20, IX; '22, IX.
 ununguis, spruce mite, '22, X.
- Pemphigus acerifolii*, '15, XVI, d.
Peridroma saucia, variegated cutworm, '01, VII.
Phenacoccus acericola, woolly maple leaf scale, '05, VII.
Phlegethontius quinquemaculata, Northern tobacco worm, '06, XII-XIV.
 sexta, Southern tobacco worm, '06, XII-XIV.
Phlyctaenia ferrugalis, greenhouse leaf tyer, '09, XVI, b.
Phobetron pithecium, hag-moth caterpillar, '01, X, b.
Phorbia ceparum, onion maggot, '11, VIII, c.
 rubivora, raspberry cane maggot, '02, XIV.
- Phylloxera caryaecaulis* and var. *spinosa*, hickory gall aphid, '16, XV, a.
Phytomyza chrysanthemii, marguerite leaf-miner, '15, XVI, a.
Phytonomus punctatus, clover weevil, '13, VII, c.
Phytophaga violicola, violet gall midge, '21, II.

- Pinipestis zimmermani*, pine tip moth, '16, XII, a-b.
Pissodes approximatus, larger pine weevil, '17, XXI, c-XXXII.
 strobi, white pine weevil, '14, XVIII, a; '19, IX-XIV.
Plagiodera versicolora, European willow leaf beetle, '21, XIII, b.
 Plant protectors, '16, I, b; '17, IV, c.
 Plants of the salt marsh which are guides to mosquito breeding areas, '04, XVII.
Plathypena scabra, green clover worm, '08, LVII; '19, XVIII-XIX.
Plodia interpunctella, Indian meal moth, '05, XI; '17, XXVII, d.
Podosia syringae, lilac borer, '05, XII, a.
Polychrosis viteana, grape berry moth, '20, XII, b.
Polygonia interrogationis, violet tip butterfly, '14, XXIII.
Pontia (Pieris) rapae, imported cabbage worm, '03, VII.
Porthetria dispar, gipsy moth, '05, X; '06, III-X; '07, VII-XIII; '08, XLII-XLIII; '09, II-XI; '10, XXV-XXIX; '15, I-III, IV, b; '16, II-IV, a; '17, I; '18, XXI-XXVII; '19, XVII; '21, I; '22, V-VIII; '23, X-XII; '24, XVII-XX; '25, I-V, a.
Priophorus acericaulis, maple leaf-stem borer, '11, VI.
Pseudococcus citri, common mealy bug, '05, II, d.
 sp., mealy bug on *Taxus*, '24, XXXV, b.
Pseudoneorrhinus setosus, '23, XXIV, c.
Psylla pyricola, pear psylla, eggs, '25, XX, a.
Pulvinaria vitis (innumerabilis), cottony maple scale, '05, III, d; '21, XI, b.
Pycnoscelus surinamensis, greenhouse cockroach, '17, XII-XV.
Pyralis farinalis, meal snout moth, '17, XXVI, a.
Pyrausta ainsliei, smartweed borer, '19, XX-XXII.
 nubilalis, European corn borer, '18, XXX, b; '23, XIII-XVIII; '24, XXI-XXIII; '25, X.
Rhizoglyphus hyacinthi, bulb mite, '15, XIV.
Saissetia hemisphaerica, hemispherical scale, '05, III, b.
Sanninoidea exitiosa, peach borer, '09, XV.
Saperda candida, round-headed apple borer, '07, XVI.
 concolor, poplar girdler, '18, XXXIV-XXXV.
 vestita, linden borer, '15, XIII, b.
 Sawfly larvae on ash, '04, III, c.
Schizura concinna, red-humped caterpillar, '01, X, a; '17, XXIII.
Scolytus quadrispinosus, hickory bark borer, '01, VIII; '14, XXI-XXII.
Sesia rhododendri, rhododendron borer, '22, XV.
 tipuliformis, imported currant borer (erroneously labeled native currant borer, *Psenocerus supernotatus*), '03, VIII.
Sibine stimulea, saddle-back caterpillar, '14, XXIV, b.
Silvanus surinamensis, saw-toothed grain beetle, '17, XXVII, b-c.
Sitodrepa panicea, drug store beetle, '17, XXIV, a.
Sitotroga cerealella, Angoumois grain moth, '17, XXVII, b.
 Soluble oil, outfit for making, '08, LVIII, b.
 Spraying apple trees, '17, II, b; '18, XXI; '20, V, b.
 beans, '19, XVIII, a.
 onions, '13, VIII.
 peach trees, '03, V; '04, IV, VIII, c; '07, VI, a; '25, VI, a.
 pear trees, '04, V, a.
 pine leaders, '19, XV, c.
 potatoes, outfit for, '08, LVIII, a; '20, VI, b.
 shade trees, '08, XLII, b, LVI; '21, I; '25, IV, a.
 snapdragon plants in greenhouse, '14, XVIII, b.
 woodland trees, gipsy moth, '15, III; '16, III, b, IV, a; '19, XVII, b.
 outfit for, '15, IV, b; '18, XXII, a.

GENERAL INDEX

The principal references are indicated by bold-faced type.

- Abbot sphinx, *Sphecodini abbotti*, '02, 111; '06, 299
- Abbott's sawfly, *Neodiprion pinetum* (*Lophyrus abbotti*), '24, 337
- Abia americana*, '24, 236, 341
inflata, '24, 341
- Acanthia hirundinis*, '03, 218
- Acetylene, '08, 798
- Acholla multispinosa*, '03, 221
- Achorutes nivicola* (*diversiceps*), '01, 237
- Acidia fratria*, '24, 234
- Acremoniella atra*, '17, 241
- Acrobasis angusella*, '12, 257
caryae, '12, 253-258; '24, 336
sp., '12, 213
- Acronycta americana*, '02, 110
oblinita (*Apatela*), '19, 186-187
rumicis, '17, 242; '25, 246
- Act concerning insect pests, '01, 229-231
- Actias luna*, '02, 112; '03, 218
- Adalia bipunctata*, '02, 107, 109; '03, 262, 265; '05, 211, 213, 215, 216, 218, 258; '06, 300; '17, 298; '19, 158.
- Adelges abieticolens*, '06, 303. See *Chermes*
- Adirus trimaculatus*, '22, 372
- Adoretus tenuimaculatus*, '22, 346
- Aedes cantator*, '17, 352; '23, 298, 299
fuscus, '04, 271
sollicitans, '15, 142, 147; '17, 352; '23, 298. See *Culex sollicitans*
- Agalena naevia*, '02, 113
- Agamomermis culicis*, '04, 263
- Agapostemon radiatus* (*Halictus*), '05, 213, 215, 217, 218
- Agelastica alni* (*Galeruca*), '12, 292; '13, 193; '16, 78; '19, 124
- Ageratum*, '01, 271
- Aglais antiopa*. See *Vanessa* and *Euvanessa*
- Agonoderus pallipes*, '06, 300
- Agrilus anxius*, '22, 278, 359; '24, 236
bilineatus, '13, 251
champlaini, '12, 291
- sinuatus*, '17, 361; '20, 193-196; '24, 231
viridis, var. *fagi*, '25, 325
- Agromyza aeneiventris*, '05, 219
angulata, '05, 211
diminuta, '05, 212
simplex, '06, 303-305
- Agrotis unicolor*, '25, 324
ypsilon, '06, 265, 266
- Alabama argillacea* (*Aletia*), '11, 267, 339-341; '12, 217, 285; '19, 202; '23, 313
- Alaria florida*, '02, 112; '03, 221
- Alaus oculus*, '02, 111; '03, 218; '16, 140
- Alcidamea producta*, '05, 220
- Alcohol-formalin, '25, 291
- Alder spittle bug, '22, 272; '24, 308
- Aleiodes terminalis*, '14, 168
- Aleochara anthomyiae*, '14, 146
- Aletia argillacea*. See *Alabama argillacea*
- Aleyrodes actaeae*, '05, 191
chelidonii, '02, 153, 158, 159
citri, '02, 150
tabaci, '06, 276
vaporariorum, '01, 238, 271, 272; '02, 111, 112, 113, 148-163; '03, 216, 223; '05, 255; '06, 275-276; '08, 806, 815
- Aleyrodidae*, '02, 150, 156
- Allograpta obliqua*, '17, 299
- Alphitophagus bifasciatus*, '18, 261
- Alsophila pometaria* (*Anisopteryx*), '07, 267; '08, 778, 783-785, 795-796; '10, 663; '12, 216; '21, 120; '22, 275; '23, 236; '24, 230, 235; '25, 221
- Altica chalybea*, '25, 221. See *Halicta*
ignita, '22, 369; '24, 338
ulmi, '18, 348; '22, 277, 369; '24, 338
- Alypia octomaculata*, '02, 110; '06, 298; '16, 68, 118-122; '17, 358
- Alysia manducator*, '14, 146
- Amara communis*, '19, 124
- Amaranthus retroflexus*, '15, 191; '18, 317, 320; '19, 198

- Amblycorypha oblongifolia*, '19, 200
rotundifolia, '19, 200
Amblyteles flavizonatus, '14, 168
suturalis (Ichneumon), '14, 168
Ambrosia artemisiaefolia, '19, 198
 beetle, '02, 111
Ameloctonus oedemisiae (Campoplex), '17, 330
 American Disinfectant, '05, 261
 Foul Brood. See Foul brood,
 American
 roach, '21, 188
 silk worm moth, *Telea polyphemus*, '04, 210; '05, 257; '06, 299
Amorphota orgyiae, '16, 109
Ampelopsis quinquefolia, '16, 119
Amphicarpaea, '18, 328
Anaphothrips striatus, '19, 190
Anarsia lineatella, '17, 318; '18, 299, 300, 306-311, 341; '23, 285
 pruniella, '18, 310
Anasa tristis, '08, 805, 811-813; '16, 116; '23, 233; '25, 226
Anastatus bifasciatus, '17, 250, 251; '18, 276, 279; '20, 163; '22, 314; '24, 270, 271; '25, 270, 271
Anatis 15-punctata, '05, 230; '10, 663, 705-706; '19, 158
Anax junius, '01, 238
Ancistrocerus tigris, '05, 214
Ancylics comptana (Phoxopteris), '02, 111; '03, 220, 278
 nubeculana, '08, 847; '09, 353
Andrena bipunctata (Opandrena), '05, 210, 214, 215, 216, 217, 218, 219, 220, 222, 223
 carlini, '05, 210, 216, 217
 macgillivrayi, '05, 218
 mandibularis, '05, 212, 216
 nasoni, '05, 210, 212, 215, 216, 217, 218, 219, 221, 222
 salicacea, '05, 210, 214, 215
 vicina, '05, 210, 212, 213, 214, 215, 216, 217, 218, 221, 222
Andricus palustris, '06, 300
 seminator, '06, 300
 Angoumois grain moth, '17, 337-338, 344
Anisocalvia 12-maculata, '14, 187
Anisodactylus binotatus, '18, 261; '19, 124
Anisopteryx pometaria. See *Alisoptera pometaria*
Anisota senatoria, '02, 112, 175; '03, 221; '05, 257; '06, 299
 stigma, '02, 176
Anomala binotata, '02, 110, 176
 lucicola, '23, 292
 marginata, '23, 233
 orientalis, '22, 277, 345-346; '23, 228, 233, 291-293; '24, 294-299; '25, 218, 227, 309-312
Anopheles, '08, 800, 801, 802, 804; '09, 325; '12, 261, 269, 271; '15, 147, 159; '19, 196
 punctipennis, '04, 263; '05, 225; '23, 298, 301
 quadrimalaculatus (*maculipennis*), '04, 263; '23, 298
Anosia plexippus, '04, 211; '06, 299; '23, 310
Anthomyia radicum, '05, 212, 218, 223
Anthonomus quadrigibbus, '04, 219
 signatus, '08, 846
Anthophilax malachiticus, '16, 139
Anthracnose, raspberry, '13, 188; '25, 237
Anthrenus scrophulariae, '05, 215, 219; '06, 300; '25, 230
 verbasci, '05, 191, 213, 219; '17, 338
 Anti-mosquito work, '16, 126; '17, 359; '18, 337-340; '19, 193-196; '20, 208-210; '21, 190-193; '22, 326-329; '23, 300-310; '24, 331-335; '25, 315-321
Antispila nyssaefoliella, '22, 278, 369
 Ants, '17, 312, 339, 344; '22, 278; '24, 236
 control, '11, 316; '22, 361-367
Anuraphis roseus (*malifoliae*), '20, 175; '22, 275; '23, 231; '24, 231; '25, 222, 278. See also *Aphis malifoliae*
Apanteles bedelliae, '21, 159
 congregatus, '06, 271; '10, 664; '14, 168
 delicatus, '16, 110
 flaviconche, '14, 168
 fulvipes, '22, 315
 hyphantriae, '16, 110; '17, 323
 lacteicolor, '13, 222; '15, 113; '17, 250, 251, 323, 329; '20, 163; '22, 316
 laphygmae, '12, 287
 melanoscelus, '22, 315; '24, 270, 271
 militaris, '14, 167, 168, 170
 parorgyiae, '16, 110
Apatela. See *Acronycta*
Apatelodes torrefacta, '05, 257
Aphelinus fuscipennis, '21, 185

- Aphid on apple, '01, 239; '02, 113; '04, 206, 212; '05, 195; '06, 234, 297; '07, 267. See apple aphid on gladiolus, '19, 199
on larch, *Chermes strobilobius*, '23, 235; '24, 235
on willow, '23, 235
- Aphididae, '02, 150
- Aphidius polygonaphis*, '17, 299
rosae, '17, 299; '25, 298
- Aphiochaeta nigriceps*, '11, 328
rufipes, '10, 693-696
- Aphis betulaecolens* (*Calaphis*), '23, 235
brassicae (*Brevicoryne*), '01, 111, 113; '13, 233; '16, 100. See Cabbage aphid
gladioli (*Anuraphis tulipae*), '19, 199
gossypii, '08, 805, 813-814
mali. See pomi
malifoliae, pyri, sorbi (now *Anuraphis roseus*), '03, 259; '05, 261; '09, 343-352; '11, 265; '12, 215; '17, 259, 356; '20, 175; '22, 275; '23, 231; '24, 231
pomi, '02, 113; '03, 216, 217, 219, 220, 221, 259-262; '04, 206, 212; '05, 195, 255; '06, 234, 297; '07, 267; '09, 344; '10, 663; '11, 265; '12, 215; '14, 192; '17, 259; '20, 175; '22, 275; '23, 231; '24, 232; '25, 222, 278
pseudobrassicae, '16, 98-104, 137; '17, 358; '21, 122; '22, 276, 346-347; '23, 232; '24, 234; '25, 226
rubiphila, '24, 243
rumicis, '15, 191; '16, 104
- Aphodius granarius*, '01, 236; '05, 215; '19, 124
- Aphrophora* eggs, '24, 308
parallela, '16, 125-126
- Aphycus pulvinariae*, '21, 180
- Apiary inspection. See Inspection, apiary
- Apis mellifera*, '05, 207, 216, 217, 219, 220, 222
- Apium graveolens*, '18, 320
- Aplodes mimosaria*, '21, 195
- Aporia crataegi*, '23, 246; '25, 246
- Apple and thorn skeletonizer, *Hemerophila pariana*, '20, 190-193; '21, 120, 186-188; '22, 273, 274; '23, 230, 312; '24, 230; '25, 220, 238
aphid. See Aphid on apple
green, *Aphis pomi*, '03, 216, 217, 219, 220, 221, 259-262; '09, 344, '10, 663; '11, 265; '12, 215; '13, 250; '14, 192; '15, 181; '17, 259; '20, 168, 171, 173, 175; '22, 275; '23, 231; '24, 232; '25, 222, 278
rosy, *Anuraphis roseus*, '09, 343-345; '10, 690-691, 705; '11, 265; '12, 215; '13, 250; '15, 181; '17, 259, 356; '20, 173, 175; '22, 275; '23, 231; '24, 231, 285; '25, 222, 278
woolly, *Eriosoma lanigerum*, '03, 217; '06, 279; '11, 343-344; '13, 188; '17, 242; '24, 232, 284, 286, 308-311
- borer, '03, 275
round-headed, *Saperda candida*, '03, 274, 275; '04, 208; '05, 258; '07, 333-334
bucculatrix, *Bucculatrix pomifoliella*, '05, 256; '06, 298; '10, 701
curculio, *Anthonomus quadrigibus*, '04, 219
leaf crumpler, *Mineola indiginella*, '11, 341-342
leaf-folder, *Ancylicis nubeculana*, '08, 847; '09, 353
leaf-hopper, *Empoasca mali*, '04, 216; '20, 172, 173; '25, 237
leaf-miner, *Tischeria malifoliella*, '02, 112; '06, 234, 298; '07, 267; '08, 768
maggot, *Rhagoletis pomonella*, '03, 275; '05, 260; '15, 182; '16, 138; '17, 261, 358; '21, 120; '22, 275; '23, 231; '25, 222
on huckleberries, '05, 260
red bug, false, *Lygidea mendax*, '14, 197-198; '15, 182, 185; '16, 138; '17, 234, 235, 259, 356; '18, 341; '20, 168, 172, 173, 175, 177-179; '21, 120; '22, 275; '23, 231; '24, 231
scab, '20, 171, 177
seed chalcid, '21, 121, 199
tent caterpillar, *Malacosoma americana*, '01, 238; '02, 139-148; '03, 212-217; 221, 275; '04, 206; '06, 298; '11, 342-343; '13, 226-229, 250; '14, 179-180, 186; '15, 181; '17, 252, 357, 358, 362, 363; '18, 344; '22, 275; '23, 231; '24, 230, 235; '25, 220
Egg contest, '14, 179-180

- Apple twig miner, *Marmara elotella*, '22, 275
worm, lesser. See *Enarmonia prunivora*
- Apricot scale, *Lecanium* (*Eulecanium*) *corni*, '03, 212, 218, 219, 220; '04, 208; '05, 237-238, 255; '06, 297; '13, 188
- Aptesis nigrocinctor*, '15, 131
- Aquilegia canadensis*, '15, 189
- Araucaria*, '14, 125; '15, 94
- Arbor vitae leaf miner, *Argyresthia thuiella*, '21, 121, 157-160; '22, 278; '23, 234; '24, 235
- Archips cerasivorana*, '06, 298; '11, 309-310
rosana, '13, 185, 223-226; '15, 185
- Archytas piliventris*, '21, 169
- Arctium lappa*, '18, 320
- Argentine ant, *Iridomyrmex humilis*, '10, 699; '22, 364
- Argyresthia thuiella*, '21, 121, 157-160; '22, 278; '23, 234; '24, 235
- Army worm, *Heliophila unipuncta*, '14, 157-173, 186; '15, 182; '17, 359-360; '19, 185-186; '25, 227
fall, *Laphygma frugiperda*, '12, 215, 284-287; '14, 162
false, *Heliophila pseudargyria*, '05, 257
wheat-head, *Heliophila* (*Leucania*) *albilinea*, '14, 162
- Arsenate of lead, '02, 147, 169, 173; '03, 277; '04, 221; '05, 260-261; '06, 301-302; '08, 767, 823, 843-844
analysis, '07, 321-326
dipping plants, '05, 260-261; '06, 301-302
vs. Paris green, '07, 326; '08, 843-844
- Arsenic, '03, 275
- Asaphes* sp., '06, 268; '25, 313
- Ascogaster carpocapsae*, '18, 303
- Ascomycete*, '17, 242
- Asiatic beetle, *Anomala orientalis*, '22, 277, 345-346; '23, 228, 233, 291-293; '24, 229, 294-299; '25, 218, 227, 309-312
camel cricket, *Diestrammena japonica*, '25, 321
- Asparagus beetle, *Crioceris asparagi*, '02, 112, 172-174; '03, 276-277; '06, 299; '21, 122, 171-175; '24, 234; '25, 224-225
12-spotted, *Crioceris duodecimpunctata*, '02, 174-175; '03, 213; '21, 173-175; '24, 234; '25, 224-225
- miner, *Agromyza simplex*, '06, 303-305
- Aspidiotus abietis*, '05, 241
ancylus, '01, 236, 237; '02, 110; '05, 241; '06, 297
cyanophylli, '05, 242
forbesi, '02, 108, 177-178; '03, 223; '05, 242; '06, 297; '13, 187
hederae, '05, 242, 256
ostreaeformis, '05, 242; '13, 187
perniciosus, '01, 236, 237, 238, 239, 240-261; '02, 108, 109, 110, 112, 113, 114-125, 130-138; '03, 216, 221, 222, 223; '04, 206, 207, 208, 209, 210, 211; '05, 242-243, 256; '06, 298; '11, 268; '12, 217; '13, 187; '18, 255; '21, 120; '22, 276; '23, 231; '24, 286; '25, 223. See San José scale
ulmi, '05, 243
- Aspidistra*, '14, 125
- Assassin bug, '03, 221, 222; '08, 822
- Asterochiton packardi* (*Aleyrodes*), '14, 188
- Asterolecanium pustulans*, '05, 255
variolosum, '03, 218; '05, 235; '13, 187; '25, 228
- Atropates collinsi*, '21, 180
- Atropos pulsatoria*, '19, 204-205
- Attacus promethea* (*Callosamia*), '02, 109; '03, 219; '06, 299
- Attagenus piceus*, '04, 209; '05, 214; '17, 339; '23, 236; '25, 230
- Aulacaspis pentagona*, '13, 188, 240-242. See Peach scale, West Indian
rosae, '02, 109, 113; '03, 217, 219; '05, 241, 256; '13, 188, 241. See Rose scale
- Australian cockroach, *Periplaneta australasiae*, '17, 304
- Autographa biloba*, '04, 215
brassicae, '10, 665, 706-707; '17, 358; '22, 376; '24, 234. See Plusia
falcifera var. *simplex*, '19, 190
- Automeris io*, '04, 211; '06, 299
- Azalea*, '13, 186, 194; '14, 119, 120
indica, '14, 117, 125, 126; '15, 86, 93, 94
scale, *Eriococcus azaleae*, '16, 138; '24, 337
- Baccha fascipennis*, '05, 230
- Bacillus amylovorus*, '13, 188
icteroides, '04, 258
larvae, '24, 248; '25, 248
pluton, '24, 247; '25, 247

- Bacon beetle, *Dermestes lardarius*, '17, 339
- Bacterium tumefaciens (*Pseudomonas*), '13, 188; '14, 124; '15, 93. See Crown gall
- Bag worm, *Thyridopteryx ephemeraeformis*, '02, 108, 110; '06, 298; '07, 337-338; '23, 232; '24, 338
- Banded flea beetle, *Systema taeniata*, '15, 183
- Barbarea vulgaris, '14, 146
- Barberry webworm. See *Omphalocera dentosa*
- Baris scolopacea, '19, 199
- Bark borer, '13, 237, 251
- louse, '05, 234
- miner, '17, 363; '24, 285
- Barypithes pellucidus, '19, 124
- Basilona imperialis, '06, 299; '11, 341
- Bassus sp., '22, 374
- Bean aphid, *Aphis rumicis*, '15, 191; '16, 104
- leaf beetle, *Cerotoma bifurcata*, '18, 327-329
- maggot, *Hylemyia cilicrura*, '21, 121, 161-163; '23, 232; '24, 315; '25, 325
- weevil, common, *Bruchus obtectus*, '04, 206; '17, 333, 340, 343, 344
- four-spotted, *Bruchus quadrimaculatus*, '17, 333
- Bed bug, *Cimex lectularius* (*Klinophilos lectularia*), '06, 291; '09, 365
- Bee inspection law, '09, 332
- moth, Wax moth; *Galleria mellonella*, '01, 236
- Beech leaf aphid, *Phyllaphis fagi*, '06, 297; '23, 235
- Belostoma americana*, '05, 256
- Berberis ilicifolia*, '06, 298
- thunbergii, '13, 253
- vulgaris, '13, 253; '16, 119
- Bermuda lily mite. See Lily mite, Bermuda
- Beta vulgaris, '18, 320
- Betula populifolia*, '19, 203
- Bidens frondosa*, '18, 320; '19, 178
- Birch aphid, *Calaphis betulaecolens*, '19, 203; '23, 235, 293
- borer, bronze, *Agrilus anxius*, '22, 278, 359; '24, 236
- bucculatrix, *Bucculatrix canadensisella*, '10, 659, 664, 701-704; '12, 215; '13, 255; '18, 343; '22, 277; '23, 235, 311; '24, 236; '25, 229
- leaf-miner, imported, *Fenusa pumila*, '24, 236, 341; '25, 218, 229
- leaf-skeletonizer. See Birch bucculatrix
- twig gall, *Neoclytus acuminatus*, '25, 321
- Biting dog louse. See Dog louse, biting.
- Bitternut, '12, 247
- Black cutworm. See Cutworm
- fruit or vine weevil, '13, 231. See *Otiorhynchus sulcatus*
- grass, *Juncus gerardi*, '04, 288; '12, 265; '15, 146, 172
- knot, *Plowrightia morbosa*, '13, 188
- long-sting, *Thalessa atrata*, '03, 219; '04, 208; '06, 300
- swallow-tail, *Papilio polyxenes*, '20, 205
- Blackberry, '05, 209, 220
- orange rust, '13, 188
- sawfly, *Pamphilius dentatus*, '12, 213, 236-240
- Blatella germanica*, '04, 215; '21, 188-189; '25, 229
- Blatta corticum*, '17, 306
- indica, '17, 306
- melanocephala, '17, 306
- orientalis, '04, 209; '25, 229
- punctata, '17, 306
- surinamensis, '17, 306
- Blepharipa scutellata*, 22, 316
- Blissus leucopterus*, '11, 265; '14, 188; '22, 369
- Blister beetle, ash-gray, *Epicauta cinerea*, '01, 238
- black, *Epicauta pennsylvanica*, '06, 299
- striped, *Epicauta vittata*, '01, 238; '05, 258
- Blueberry spittle-bug, *Clastoptera proteus*, '24, 307-308
- Boletotherus bifurcus*, '07, 337
- Boll worm, '06, 277. See *Heliothis obsoleta*
- Bombus americanorum*, '05, 217, 220
- consimilis, '05, 213, 217, 219, 222
- pennsylvanicus, '05, 213
- ridingsii, '05, 216, 217, 220
- virginicus, '05, 216, 217, 219
- Book louse, '17, 339, 344; '19, 204-205
- Bordeaux mixture, '03, 239, 240, 243, 250, 256

- Bordered soldier bug. See Soldier bug
- Botys silacealis*, '18, 316-327. See *Pyrausta nubilalis*
- Box leaf-miner, *Monarthropalus buxi*, '13, 188; '18, 261; '21, 121, 197-198; '23, 237, 312; '25, 230
- Brachyacantha ursina*, '02, 111; '04, 209; '06, 300; '17, 299
- Brachypterus*, '24, 339
- Bradycellus rupestris*, '05, 218
- Brevicoryne brassicae* (Aphis), '21, 122; '23, 233; '24, 234, 319; '25, 226. See Cabbage aphid
- Broad-necked prionus. See *Prionus*, broad-necked
- Brown-tail moth, *Euproctis chrysorrhoea*, '02, 165; '07, 313-318; '09, 328; '10, 664, 667-668, 683-689; '11, 272, 281-286; '12, 216, 229-236; '13, 185, 188, 204-223, 250; '14, 135-142; '15, 111-114, 182; '16, 70, 83, 96-98; '17, 234, 235, 246-248, 359; '18, 286-287; '19, 124, 135-136, 198; '20, 151; '21, 126, 133; '22, 274, 284, 290
law, '07, 308; '15, 108
- Bruchophagus funebris*, '10, 709; '19, 201
- Bruchus obtectus*, '04, 206; '17, 333
pisorum, '17, 332-333
quadrimaculatus, '17, 333
- Bryobia praetiosa*, (pratensis), '04, 206; '20, 185, 186; '25, 230
- Bucculatrix canadensisella*, '10, 659, 664, 701-704; '12, 215; '13, 255; '18, 343; '22, 277; '23, 235, 311; '24, 236; '25, 229
pomifoliella, '05, 256; '06, 298; '10, 701
- Bud moth, *Tmetocera ocellana*, '09, 353-355; '10, 659; '11, 267; '20, 172, 176, 210, 212; '22, 275; '25, 220
spruce, *Tortrix fumiferana*, '12, 291-292; '13, 251
walnut, *Acrobasis caryae*, '12, 213, 253-258; '24, 336
- Bud worm, false, '09, 368. See *Heliothis obsoleta*
tobacco or true, *Chloridea virescens*, '06, 277; '09, 367-368
- Buffalo bug, *Anthrenus scrophulariae*, '05, 215, 219; '06, 300; '25, 230
tree hopper, *Ceresa bubalus*, '15, 184; '22, 275; '24, 285
- Bulb fly, *Merodon equestris*, '19, 127
mite, *Rhizoglyphus echinopus* or *hyacinthi*, '15, 190; '19, 117, 127
- Bumble flower beetle, *Euphoria inda*, '04, 211; '06, 300; '12, 216; '20, 214; '21, 197; '25, 221
- Butternut, '12, 243, 247
- Buxus*, '13, 194; '14, 125; '15, 93, 94, 186; '16, 77, 78
- Byturus unicolor*, '05, 220, 258; '18, 329; '21, 118; '22, 272; '25, 222, 302
- Cabbage aphid, *Brevicoryne* (Aphis) *brassicae*, '02, 111, 113; '13, 233; '21, 122; '23, 233; '24, 228, 234, 319; '25, 226
bug, harlequin, *Murgantia histrionica*, '14, 193
butterfly. See *Pieris* (Pontia) *rapae*, '03, 271-272; '08, 768; '12, 293
Southern, *Pieris* (Pontia) *protodice*, '12, 293
looper, '10, 665, 706-707; '17, 358; '24, 234. See *Autographa brassicae*
maggot, *Hylemyia brassicae*, '08, 832-837; '13, 186, 232-233; '14, 117, 142-157; '15, 87, 114-118, 182; '17, 357; '21, 121, 162; '22, 332-333; '24, 228, 233, 314-318; '25, 225
plusia, *Autographa* (*Plusia*) *brassicae*, '01, 236; '10, 706-707; '11, 328; '17, 358; '22, 376; '24, 234
worm, imported. See *Pieris* (Pontia) *rapae*, '03, 271-272; '13, 223; '17, 358; '22, 376
- Cabinet beetle, large, *Trogoderma tarsale*, '17, 338, 344
small. See *Anthrenus verbasci*, '17, 338, 344
- Cadelle, *Tenebrioides mauritanicus*, '17, 332, 343
- Calaphis betulaecolens*, '19, 203; '23, 235, 293
- Calendra granaria*, '17, 335; '25, 230
oryzae, '06, 279; '17, 335
- California wash, '03, 256. See Lime-sulphur
- Caliroa cerasi* (limacina), '14, 187; '20, 199-201; '25, 322. See *Eriocampoides*
- Callidium antennatum*, '02, 176-177
- Callipterus betulaecolens*, '05, 255; '10, 705

- Callosamia promethea*, '06, 299; '13, 254. See *Attacus promethea*
Calocoris rapidus, '05, 256
Calophasia lunula, '21, 126; '25, 246
Calophya flaveola, '02, 109
Calosoma beetle, *Calosoma sycophanta*, '14, 133; '17, 250
calidum, '08, 786; '12, 287; '14, 167
 externum, '14, 167
 frigidum, '14, 167; '17, 265
 scrutator, '01, 237; '06, 252, 262, 300; '08, 786; '14, 167; '17, 323
 sycophanta, '14, 167; '17, 250, 252; '18, 346; '20, 162; '22, 314
 willcoxi, '10, 663; '14, 167
 Camel cricket, *Ceuthophilus grandis*, '05, 255
 Asiatic, *Diestrammena japonica*, '25, 321
 Camponotus *herculeanus pennsylvanicus*, '22, 365
 pennsylvanicus, '04, 210; '05, 217, 258
Campoplex fugitivus, '17, 323
 oedemisiae, '17, 330
 pallipes (Limneria), '17, 323
Camptocladus byssinus, '05, 215, 223
 Canker, poplar, '17, 237; '23, 240, 241
 worm, '03, 274, 275; '08, 769, 777-796; '09, 368; '10, 659, 663; '14, 165, 186; '17, 357
 fall, '08, 777-796. See *Alsophila pometaria*
 spring, '08, 777-796. See *Palaearcitra vernata*
Capnodium, '02, 108, 130
Carabus, '14, 167
 nemorialis, '19, 124
 Carbon bisulphide or disulphide, '06, 294; '07, 272-273, 292-294; '08, 797-798
 tetrachloride, '07, 272; '08, 798
 Carnation, cutworm injury, '01, 261
 Carolina locust, *Dissosteira carolina*, '06, 273
 Carpenter ant, *Camponotus herculeanus pennsylvanicus*, '04, 210; '05, 258; '22, 365
 worm, *Prionoxystus robiniae*, '05, 257
 Carpet beetle, *Anthrenus scrophulariae*, '05, 215, 219; '06, 300; '25, 230
 black, '17, 338, 344. See *Attage-nus piceus*
Carphophiops amoenus, '03, 223
Carpocapsa pomonella (Laspeyresia), '03, 274; '04, 207, 210, 212; '20, 176; '25, 221
 saltitans, '03, 276
Carthartus advena, '19, 127
 Cartridge shells injured by ants, '10, 698-699
Carya porcina, '12, 257
 Case bearer, European elm, *Coleophora limosipennella*, '16, 139
 larch, *Coleophora laricella*, '19, 200-201; '23, 234, 288-291; '24, 235; '25, 227
 Catalpa, '01, 246
Catocala cara, '06, 298
Cattleya, '18, 344
Cecidomyia gleditchiae, '04, 213
 liriodendri, '06, 299
Cecidomyiidae, '13, 239
Cecropia moth, *Samia cecropia*, '02, 112; '04, 211; '05, 257; '06, 299; '13, 254
 Cedar bark beetle, red, *Phloeosinus dentatus*, '10, 708
 borer, *Hylotrupes ligneus*; *Callidium antennatum*, '02, 176-177
 rust, '23, 242
Celastrus scandens, '19, 198
Celatoria diabroticae, '17, 267
 Celery butterfly, *Papilio polyxenes*, '03, 221; '20, 204-206
 Cephus integer. See *Janus integer*
Cerambycidae, '03, 273
Cerambycobius, sp., '17, 283; '18, 303
Ceratina dupla, '05, 210, 219, 220, 223
Ceratomegilla fuscilabris, '21, 169, 174. See *Megilla fuscilabris*
Ceratonia undulosa, '05, 257
Ceratopogon fuscus, '05, 211, 214, 215, 223
Cercopidae, '13, 255
Ceresa bubalus, '15, 184; '22, 275
Cerotoma trifurcata, '18, 327-329
 Certificate, nursery inspection, '01, 233; '02, 105; '03, 206; '13, 189; '25, 234
Cetonia aurata (Euphoria), '09, 374
Ceuthophilus grandis, '05, 255
 Chafer, rose. See *Rose chafer*
 Chaff scale, *Parlatoria pergandii*, '05, 245
 Chain-dotted geometer, *Cingilia catenaria*, '03, 221, 222, 277-278; '04, 211; '19, 200; '23, 312-313
Chaitophorus sp., '03, 220

- Chalcid, clover-seed, *Bruchophagus funebris*, '10, 709; '19, 201
Chalcis ovata, '16, 109
Chamyris cerintha, '18, 344-345
 Checkered tussock caterpillar, '03, 222. See *Halisidota tessellaris*
 Cheese skipper, '17, 339, 344. See *Piophila casei*
Chelymorpha argus, '17, 362
Chenopodium album, '15, 191; '18, 317, 320; '19, 178
 Chermaphis. See *Chermes*
Chermes abieticolens, now *pinifoliae*, '06, 303
abietis, '03, 222; '04, 207; '05, 255; '06, 297, 302-303; '13, 188; '16, 139; '22, 357-359; '23, 240-241; '25, 228
cooleyi, '16, 139; '22, 358, 359; '23, 240; '25, 228
 var. *coweni*, '24, 235
laricifoliae, now *strobilobius*, '04, 207
pinicorticis, '11, 343; '12, 217; '19, 155-160
pinifoliae, '11, 343
strobilobius, '23, 235; '24, 235
 Cherry aphid, *Myzus cerasi*, '02, 111; '03, 220; '25, 237
 leaf roller, *Archips cerasivorana*, '06, 298; '11, 309-310
 scale, *Aspidiotus forbesi*, '02, 108, 177-178; '03, 223; '05, 242; '06, 297; '13, 187
 slug, *Caliroa cerasi*, '06, 300; '14, 187; '20, 199-201; '25, 322
 sweet, '05, 209, 215
 tent-maker or tortrix, *Archips cerasivorana*, '06, 298; '11, 309-310
 Chestnut blight, '13, 188
 borer, two-lined, *Agrilus bilineatus*, '13, 251
 trees injured by beetles, '08, 845
Chilocorus bivulnerus, '01, 236; '02, 111, 127-128; '03, 220; '05, 258; '06, 300; '09, 351; '19, 158; '21, 180
 Chinch bug, *Blissus leucopterus*, '11, 265; '14, 188; '22, 369
 Chinese lady beetle, '03, 214
 mantid, *Paratenodera* (*Tenodera*) *sinensis*, '13, 194
 privet, '13, 240
Chionaspis americana, '03, 222, 223; '05, 239; '13, 188. See Elm scale, white
corni, '05, 240
euonymi, '04, 211; '05, 240, 256; '06, 297; '13, 188; '21, 185-186; '23, 236. See *Euonymus* scale
furfura, '01, 236, 237, 238, 239; '02, 108, 109, 110, 111, 112; '03, 216, 217, 222, 225-229; '04, 206, 208, 209, 210, 211; '05, 240, 256; '06, 297; '12, 217; '13, 188; '25, 223. See Scurfy scale
pinifoliae, '02, 110; '03, 223; '05, 240, 256; '06, 297; '07, 335; '21, 181-182; '23, 235; '25, 228. See Pine leaf scale
salicis, '16, 77; '18, 261
Chironomus modestus, '05, 217
Chloridea obsoleta (*Heliothis*), '21, 122, 165-170; '22, 276, 343-344; '23, 232; '24, 233; '25, 224. See *Heliothis obsoleta*
virescens, '09, 367-368
 Chlorine, '07, 277
Chlorops assimilis, '05, 211, 213, 215, 219, 223
variceps, '05, 212
Chortophila brassicae, '21, 121, 162. See *Pegomyia* and *Hylemyia brassicae*
Chrysanthemum injured by *Tarsonemus pallidus*, '14, 178-179
 aphid, black, '01, 271
 fly, *Eristalis tenax*, '10, 711
 gall midge, *Diarthronomyia hypogaea*, '18, 345-346; '19, 117, 161-165; '23, 236
 leaf miner, *Phytomyza chrysanthemii*, '11, 342; '15, 188
Chrysobothris femorata, '07, 333; '13, 251
Chrysochus auratus, '01, 238; '03, 221
Chrysogaster pulchella, '05, 217
Chrysomela elegans, '01, 275-276
similis, '01, 276
Chrysomphalus aonidium (*Aspidiotus ficus*), '05, 243-244; '13, 194
aurantii, '05, 244
dictyospermi, '05, 244
ficus (now *aonidium*), '01, 239; '05, 243
Chrysopa oculata, '03, 265; '05, 256; '06, 303; '21, 169
 sp., '03, 262; '04, 209; '08, 822; '11, 289; '17, 299; '19, 158
Cicada canicularis, '03, 274; '04, 210; '05, 255
linnei (*tibicen*), '02, 112; '03, 221

- periodical, *Tibicen septendecim*, '11, 296-305
- Cigar plant, '01, 271
- Cigarette beetle, *Lasioderma ser-ricorne*, '05, 258; '06, 264, 278-279; '17, 339, 344; '19, 205-206
- Cimbex americana*, '06, 300; '12, 294
- Cimex. See *Klinophilus*
- Cineraria, '01, 271
- Cingilia catenaria*, '03, 221, 222, 277-278; '04, 211; '19, 200; '23, 312-313
- Circular scale, *Chrysomphalus aonidum*, '05, 243-244; '13, 194
- Cirphis unipuncta* (*Heliophila*), '17, 359, 360; '19, 185-186; '25, 227. See Army worm
- Cistela melanocephala*, '17, 263
- Clastoptera obtusa*, '22, 272; '24, 308
- proteus*, '24, 307-308
- Clavate tortoise beetle, *Coptocycla clavata*, '18, 342
- Click beetles, '06, 268
- Clisiocampa americana* (*Malacosoma*), '01, 238; '02, 139-148; '03, 217, 221, 274; '11, 342-343. See *Malacosoma americana*
- disstria*, '02, 110. See *Malacosoma disstria*
- Clivina fossor*, '19, 125
- Clothes moth, '05, 256; '22, 278, 377-378; '25, 230
- Clover mite, *Bryobia praetiosa*, '20, 186; '25, 230
- seed chalcid, *Bruchophagus funebris*, '10, 709; '19, 201
- weevil, *Phytonomus punctatus*, '13, 255
- worm, green, *Plathypena scabra*, '08, 769, 828-832; '19, 165-170; '20, 210
- Cluster fly, *Pollenia rudis*, '10, 710
- Coccidae, '02, 150; '03, 227; '05, 234-245
- Coccinella 7-punctata*, '19, 125
- 9-notata* or *novemnotata*, '16, 103; '17, 298, 299
- sanguinea*, '17, 298
- transversoguttata* (*V-notata*), '16, 103
- Coccophagus flavoscutellum*, '21, 177, 180
- lecanii*, '21, 180
- Coccus hesperidum*, '05, 237; '13, 194; '14, 125; '15, 93; '16, 77; '19, 124, 125
- liriodendri*, '21, 177
- Cockroach, '04, 215; '05, 255; '17, 234, 235, 302-313, 339, 344; '22, 278
- Australian, *Periplaneta australasiae*, '17, 304
- greenhouse, *Pycnoscelus* (*Leucophaea*) *surinamensis*, '17, 234, 302-313; '18, 253, 311-313; '24, 236, 337
- injures books, '04, 215
- Codling moth, *Carpocapsa* (*Laspesya*) *pomonella*, '03, 275; '04, 207, 210, 212; '17, 261; '20, 175, 176; '25, 221
- Coelichneumon fusiceps*, '15, 131
- Coeloides pissodis*, '19, 150
- Coelopisthis nematicida* (*Pteromalus*), '15, 130
- Colaspis*, brown (*Colaspis brunnea*), '01, 238; '23, 233
- favosa*, '21, 195
- Coleophora fletcherella*, '23, 288
- laricella*, '19, 200-201; '23, 234, 288-291; '24, 235; '25, 227
- limosipennella*, '16, 139
- Colletes inaequalis*, '05, 210, 214, 215
- valida*, '05, 210, 212
- Colletotrichum legendarium*, '17, 264
- Colobopterus excisus*, '05, 256, 262
- Colorado potato beetle. See Potato beetle, Colorado
- Compsilura concinnata*, '13, 222; '15, 113; '17, 250; '20, 164; '22, 316
- Comys fusca*, '21, 180
- Confused flour beetle. See Flour beetle, confused
- Conistra indirecta*, '21, 195
- Connecticut Board of Agriculture Reports (Insects), '03, 273-276
- Conotrachelus crataegi*, '01, 239; '02, 111; '25, 221, 324
- juglandis*, '12, 213, 240-253
- nenuphar*, '04, 207, 219-221; '12, 245, 246, 247; '19, 199; '20, 176; '22, 275; '23, 220, 231; '24, 232; '25, 221, 286-291
- Conservatory cricket, *Diestramena japonica*, '25, 321
- Contarinia pyrivora* (*Diplosis*), '13, 239-240
- tritici*, '17, 357, 366-367
- Convergent lady beetle, *Hippodamia convergens*, '17, 298
- Copidosoma truncatella* (*Litomas-tix*), '11, 328
- sp., '22, 374

- Copper sulphate, '03, 239, 256; '04, 306-307
- Coptocycla aurichalcea, *Metriona bicolor*, '02, 110; '05, 258
- clavata, *Deloyala clavata*, '02, 111; '03, 219; '06, 299; '18, 342; '24, 233
- guttata, *Chirida guttata*, '02, 110
- Coptodisca splendoriferella*, '21, 198
- Coreopsis lanceolata*, '01, 275
- Coriscus ferus*, '21, 169
- Corizus hyalinus*, '21, 180
- Corn borer, European, *Pyrausta nubilalis*, '20, 196-198; '22, 367-369; '23, 228, 230, 233, 277-284; '24, 229, 230, 277-282; '25, 224, 303-308
- lined, *Hadena semicana*, '19, 187-188
- ear worm, *Chloridea obsoleta*, '08, 847; '19, 188-189, 198; '20, 196, 211; '21, 122, 165-170; '22, 276, 343-344; '23, 232; '24, 233; '25, 224
- maggot, seed-, *Hylemyia cilicrura*, '21, 121, 161-163; '23, 232; '24, 315; '25, 325
- rootworm, Western, *Diabrotica longicornis*, '17, 266; '24, 233, 340
- Southern, *Diabrotica 12-punctata*, '06, 277; '08, 805, 809-810; '17, 266
- webworm, *Crambus caliginosellus*, '19, 184
- Corydalis cornutus*, '05, 256
- Corymbites cylindriciformis*, '02, 110
- Corythucha ulmi*, '25, 321
- Cotton moth, Alabama argillacea, '11, 267, 339-341; '12, 217, 285; '19, 201-202; '23, 313
- Cottonwood leaf beetle, *Lina scripta*, '10, 707; '18, 256
- Cottony cushion scale, *Icerya purchasi*, '22, 371
- maple scale. See Maple scale, cottony
- Crambus caliginosellus*, '19, 184
- praefectellus, '19, 183-185; '24, 233
- Cranberry worm, *Rhopobota vacciniana*, '02, 111
- Cranefly larva on tobacco, *Nephotoma ferruginea*, '25, 325-326
- Cratotechus orgyiae*, '16, 110
- Crematogaster lineolata*, '05, 211
- Creophilus villosus*, '04, 211
- Crepidodera helxinus*, '05, 214, 215, 216, 220
- rufipes, '25, 221
- Cricket, '17, 358, 364
- Asiatic camel, *Diestrammena japonica*, '25, 321
- camel, *Ceuthophilus grandis*, '05, 255
- European house, *Gryllus domesticus*, '18, 313-316; '21, 188; '23, 236, 311
- Northern mole, *Gryllotalpa borealis*, '06, 297
- tree, '06, 297; on tobacco, '06, 274
- snowy, *Ecanthus niveus*, '01, 237, 277; '02, 109
- Crinkled flannel moth, *Lagoa crispata*, '02, 177
- Crioceris asparagi*, '02, 112, 172-174; '03, 275, 276-277; '06, 299; '21, 122, 171-173; '24, 234; '25, 224-225
- duodecimpunctata or 12-punctata, '02, 174-175; '03, 213; '21, 173-175; '24, 234; '25, 224-225
- Croton bug, *Blatella germanica*, '04, 215
- Crown gall, '13, 188; '14, 124; '15, 93; '16, 77; '17, 241; '18, 262; '20, 144; '21, 127; '22, 279, 284; '23, 247; '24, 245; '25, 246
- Cryptocephalus americanus*, '17, 263
- Cryptocheilus conicus*, '05, 212
- Cryptorhynchus lapathi*, '07, 335; '13, 188; '25, 229
- Cryptus minator, '15, 131
- Cucumber beetle, spotted, *Diabrotica 12-punctata*, '06, 277; '08, 805, 809-810; '17, 266
- striped, *Diabrotica vittata*, '05, 211, 219, 220; '08, 805, 807-809; '16, 116, 137; '17, 234, 236, 262-273, 357; '18, 290-292; '22, 276; '23, 233; '25, 225
- Cucurbits, insects attacking, '08, 805
- Culex*, '09, 325
- atropalpus, '04, 269
- aurifer, '04, 271
- brittoni, '04, 271
- canadensis, '04, 269; '12, 280
- cantans, '04, 269; '13, 243
- cantator (*Aedes*), '04, 268; '12, 259, 260, 269, 278; '23, 299
- curriei, '04, 271
- discolor, '04, 274

- dupreei, '04, 274
 jamacensis, '04, 274
 melanurus, '04, 274
 perturbans, '04, 270
 pipiens, '04, 266-268; '12, 217, 267, 269, 282; '13, 186, 245, 248; '14, 183; '15, 143; '19, 195; '22, 326, 327; '23, 296
 pretans, '04, 271
 restuans, '04, 274
 salinarius, '04, 270
 serratus, '04, 274
 signifer, '04, 274
 sollicitans (Aedes), '04, 267, 268; '05, 225, 226; '12, 217, 259, 261, 269; '23, 298
 squamiger, '04, 274
 sylvestris, '04, 268
 taeniorhynchus (Aedes), '04, 270
 territans, '04, 271
 triseriatus, '04, 269
 trivittatus, '04, 269
 Cuphea, '01, 271
 Curculio, '17, 261; '20, 175, 176
 Currant aphid, Myzus ribis, '01, 237; '02, 110; '03, 220; '04, 209; '24, 232
 black, '05, 213, 221
 borer, imported, Sesia tipuliformis, '03, 272-273
 native, Psenocerus supernotatus, '03, 272-273
 fruit worm, '03, 220
 leaf hopper, Empoasca mali, '04, 216
 mite, Eriophyes ribis, '13, 254
 red, '05, 211
 span worm, Cymatophora ribearia, '10, 710
 stem girdler, Janus integer, '20, 201-204; '24, 232
 worm, Pteronidea ribesi, '02, 170-172; '05, 210; '08, 768; '25, 218
 Cuterebra cuniculi, '07, 338
 sp., '20, 213
 Cutworm, black, Agrotis ypsilon, '06, 265-266
 spotted, Feltia venerabilis, '22, 373
 variegated, Peridroma saucia, '01, 261-264
 w-marked or well-marked Noctua clandestina, '02, 110; '14, 164
 Cutworms, '06, 263-267; '10, 659; '12, 216; '14, 161, 172, 186; '17, 310, 357; '21, 165; '22, 276; '23, 232; '24, 232; '25, 222, 223
 on asparagus and raspberries, '22, 375
 strawberries, '22, 372-373
 Cyanopterus sp., '19, 151
 Cyclamen injured by mites, '14, 179
 Cycloneda munda, '17, 298
 Cydonia, '01, 246
 Cyllene pictus, '04, 206, 207; '06, 299
 robiniae, '03, 222; '11, 345-346
 Cymatophora ribearia, '10, 710
 Cynomyia cadaverina, '05, 215; '22, 371
 Cynthia moth, Philosamia cynthia, '17, 362
 Dactylopius citri, Pseudococcus citri, '02, 108, 111; '05, 236
 Dagger-moth, smeared, Acronycta (Apatela) oblongata, '19, 186-187
 Dahlia variabilis, '18, 320
 Darker meal worm, Tenebrio obscurus, '17, 332
 Dasyneura rhodophaga, '22, 372
 Datana angusii, '01, 275
 integerrima, '01, 236, 275; '05, 257; '06, 298; '14, 191; '16, 140; '17, 326-328, 358; '23, 235
 ministra, '01, 239, 274-275; '02, 112; '05, 257; '06, 298; '12, 216; '14, 191; '17, 328-329, 358
 sp., '13, 223
 Datura stramonium, '06, 271
 Deidamia inscriptum, '06, 299
 Delomerista sp., '17, 283
 Deloyala clavata (Coptocycla), '24, 233
 Delphastus pusillus, '05, 191
 Dendroctonus simplex, '15, 128
 Depressaria heracliana, '19, 192
 Dermestes lardarius, '17, 339
 vulpinus, '06, 279
 Desmia funeralis, '17, 360
 Desmometopa latipes, '05, 211, 212
 m-nigrum, '05, 211, 212
 Diabrotica longicornis, '17, 266; '24, 233, 340
 12-punctata, '06, 277; '08, 805, 809-810; '17, 266
 vittata, '05, 211, 219, 220; '08, 805, 807-809; '16, 116, 137; '17, 234, 236, 262-273, 357; '18, 290-292; '22, 276; '23, 233; '25, 225
 Diacrisia virginica, '05, 257; '06, 298
 sp., '19, 186
 Diapheromera femorata, '02, 112
 Diarthronomyia hypogaea, '18, 345-346; '19, 117, 161-165; '23, 236

- Diaspine scale, '15, 94
 Diaspis boisduvalli, '05, 240-241
 carueli, '20, 212
 echinocacti cacti, '15, 140
 Dibolia borealis, '06, 299
 Dibrachoides verditer, '17, 283, 284, 287
 Dibrachys, boucheanus (Pteromalus), '17, 323; '18, 303
 nigrocyanus, '17, 283, 284, 287
 Dichomeris marginellus, '15, 137-139; '22, 278; '24, 236; '25, 230
 Dictamnus fraxinella, '01, 276
 Dicyphus minimus, '06, 277
 Diestrammena japonica (marmorata), '25, 321
 Diglochis sp., '15, 130
 Dilophonota ello, '22, 370
 Diocetes obliteratus, '20, 192
 Dioryctria abietella, '11, 341; '16, 123
 Diorymellus laevimargo, '18, 344
 Diplosis nigra, '13, 239
 Diplotaxus atlantus, '15, 190-191
 Diprion abietis, '17, 360
 pini, '15, 119; '17, 274, 276, 285, 287, 288, 289, 290
 simile (Neodiprion), '15, 87, 89, 118-125, 182; '16, 67, 69, 71; '17, 234, 235, 273-290; '23, 234; '25, 229
 Disonycha xanthomelaena, '19, 204
 Dissosteira carolina, '06, 273
 Distichlis maritima, '12, 265; '15, 172
 Dog-day harvest fly, '02, 112; '03, 221, 274; '04, 210
 Dog louse, biting, Trichodectes latus, '24, 236, 336
 sucking, Haematopinus pilferus, '16, 142
 Dolerus aprilis, '05, 211
 Doryphora decemlineata. See Lep-tinotarsa decemlineata
 Doryphorophaga doryphorae (Phorocera), '14, 186, 190
 Dothichiza populea, '23, 240
 Dragon flies, '01, 238; '03, 219
 Drone fly, Eristalis tenax, '10, 711
 Drosophila graminum, '05, 211
 Drug store beetle, Sitodrepa pan-icea, '01, 236; '06, 279; '17, 334, 343; '19, 128; '21, 194; '25, 230
 Dusting and spraying experiments, '20, 168-177; '23, 267-274; '24, 286-294; '25, 272-278
 Dytiscidae, '16, 70
 Dytiscus, '04, 262
 Eastern larch beetle. See Larch beetle, Eastern
 Echinocloa crus-galli, '18, 317, 320
 Ecpantheria deflorata, '05, 257
 Eight-spotted forester, Alypia octomaculata, '02, 110; '06, 298; '16, 118-122; '17, 358
 Elachiptera costata, '05, 211, 223
 longula, '04, 209, 214
 Elaphidion villosum, '02, 164; '14, 194
 Elm aphid, woolly, Schizoneura americana, '03, 219; '04, 208; '06, 297
 aspidiotus, Aspidiotus ulmi, '05, 243
 beetle, blue, Altica (Haltica) ulmi, '22, 277, 369; '24, 338
 caterpillar, spiny, Euvanessa antiopa, '03, 219; '05, 257; '06, 260-263, 299; '07, 267; '08, 768; '11, 268; '12, 216
 leaf beetle, Galerucella (luteola) xanthomelaena, '01, 264; '02, 109; '03, 213, 218, 258; '05, 258; '06, 299; '07, 337; '08, 767, 769, 815-828; '10, 658, 663; '11, 268; '12, 216; '13, 256; '14, 186; '17, 357, 362; '18, 348; '19, 197, 202; '22, 277; '23, 234; '24, 235, 339; '25, 229
 leaf miner, Kaliofenusa ulmi, '20, 212-213
 sawfly, Cimbex americana, '06, 300; '12, 294
 scale, Gossyparia spuria (ulmi), '01, 238; '03, 218; '05, 235-236; '11, 344
 white, Chionaspis americana, '03, 222, 223; '05, 239; '13, 188; '18, 255; '21, 123
 trees, municipal spraying, '09, 334-336
 Empfytus canadensis, '05, 258
 cinctus, '15, 94, 185; '16, 77; '17, 242; '18, 261; '19, 124, 125; '20, 144; '21, 126; '22, 284; '23, 246; '24, 245; '25, 246
 maculatus, Empria, '02, 110
 Empoa rosae, '20, 172, 173; '23, 231
 Empoasca mali, '04, 216
 Empretia stimulea, '01, 239, 273; '02, 112, 113. See Sibine stimulea
 Empusa aphidis, '25, 296
 aulicae, '10, 689; '13, 222
 gryllii, '17, 323
 sp., '17, 299

- Enarmonia prunivora*, '20, 176, 212; '21, 120
Enchenopa binotata, '05, 255; '19, 198
Endothia gyrosa var. *parasitica*, '13, 188
 English ivy, imported, '12, 292
Engraver beetle, *Ips calligraphus*, '21, 196
Ennomos subsignarius, '08, 842
Entomophthora aphidis, '16, 103; '17, 300, 301
 sp., *Empusa*, '17, 299
Ephestia kuehniella, '17, 337; '25, 230
Epiaschna heros, '03, 219
Epicauta cinerea, '01, 238
 marginata, '22, 276
 pennsylvanica, '06, 299
 vittata, '01, 238; '05, 258
Epidiaspis piricola, '05, 241
Epilachna borealis, '01, 238; '03, 217; '08, 805, 810-811
Epitrix cucumeris, '04, 208; '05, 211, 258; '06, 272; '18, 342; '21, 198-199; '23, 233; '24, 233; '25, 224
 parvula, '06, 272
Epizeuxis lubricalis, '06, 298
Epuraea labilis, '05, 216
Erannis tiliaria, '15, 184; '24, 231, 311-314
Erax bastardi, '03, 221
Erebus odora, '06, 298
Eremotylus glabratum, '17, 323
Eriocampoides cerasi (*limacina*), '05, 258; '06, 300; '20, 199-201.
 See *Caliroa cerasi*
Eriococcus azaleae, '16, 138; '24, 337
 borealis, '25, 321
Eriophyes pini, '25, 322-323
 pyri, '08, 770; '10, 700-701; '23, 231; '25, 220
 quadripes, '06, 300; '25, 229
 ribis, '13, 254
 ulmi, '06, 300
Eriosoma lanigerum, '24, 232, 286, 308-311. See *Schizoneura lanigera*
Eristalis bastardi, '05, 211, 213, 223
 tenax, '10, 711
Erythraspides caryae, '18, 345
 pygmaeus, '16, 142
Estigmene acraea, '04, 208; '08, 843; '18, 342
Eubadizon sp., '22, 374; '25, 281
Eucraphis deducta, '23, 235, 293
Euclementia bassettella, '16, 143
Eulecanium armeniacum (*canadense*, *cerasifex*, *kingii*), '03, 212, 218, 219, 220, 223; '04, 208; '05, 237-238; '06, 297. Now *Lecanium corni*
 nigrofasciatum, '05, 238, 255; '06, 297; '21, 183-185. Now *Lecanium*
 tulipiferae, '03, 216, 218; '04, 207, 210; '05, 239, 255; '06, 297; '12, 294-295. Now *Toumeyella lirioidendri*
Eulia juglandana, '21, 194
 pinatubana, '19, 201; '20, 210
 velutinana, '20, 176, 212; '21, 120; '25, 220, 298-301
Eumenes fraterna, '05, 220; '08, 786
Eunotus lividus, '21 180
Euonymus, '01, 245
 scafe, *Chionaspis euonymi*, '04, 211; '05, 240, 256; '06, 297; '13, 188; '21, 185-186; '22, 344; '23, 236
Euphoria aurata (*Cetonia*), '09, 374
 inda, '04, 211; '06, 300; '12, 216; '20, 214; '21, 197; '25, 221
Euphorocera claripennis, '16, 110; '21, 169
Euplectrus comstockii, '12, 287
Euproctis chrysorrhoea, '02, 165; '07, 313-318; '09, 328; '10, 664, 667-668, 683-689; '11, 272, 281-286; '12, 216, 229-236; '13, 188, 204-223; '19, 124, 125; '21, 126; '22, 284. See *Brown-tail moth*
 discovery in Connecticut, '10, 664, 683-689
 European corn borer, *Pyrausta nubilalis*, '18, 316-327; '19, 170-173; '20, 196-198; '22, 367-369; '23, 230, 233, 277-284; '24, 277-282; '25, 224, 303-308
 discovery in Connecticut, '23, 230, 277
 quarantine, '20, 197-198; '24, 282
 fly, *Muscina pascuorum*, '22, 373-374; '24, 236
 foul brood. See *Foul brood*, *European*
 giant hornet, *Vespa crabro*, '01, 239, 276; '05, 258; '06, 300; '16, 144; '20, 214
 grain moth, *Tinea granella*, '06, 234, 294-295, 305; '17, 338, 344

- European house cricket. See Cricket, European house. *Gryllus domesticus*
- lackey moth, *Malacosoma neustria*, '17, 241, 242, 362; '19, 124, 125
- pine mite. See Pine mite, European
- pine shoot moth. See Pine shoot moth, European
- red mite. See Red mite, European
- sawfly, '18, 255. See Diprion simile
- tent caterpillar. See European lackey moth
- Eurytoma pissodis*, '19, 151 sp., '17, 283
- Euschistus servus*, '17, 323
- variolarius, '05, 256; '06, 274-275
- Euthrips nicotianae*, '06, 277
- Euvanessa antiopa* (*Vanessa Aglais*), '06, 233, 260-263, 299; '07, 267; '08, 768; '11, 268; '12, 216
- Evetria buoliana*, '14, 193-194; '15, 89; '23, 235, 311; '24, 236, 339
- Exobasidium vaccinii*, '17, 241
- Exochus pallipes*, '05, 219
- semirufus, '05, 211
- Exorista ceratomiae*, '21, 169
- griseomicans, '16, 110
- petiolata, '15, 122; '17, 283
- pyste, '12, 258; '13, 226; '21, 188 sp., '14, 168; '15, 131
- Eyed elater, *Alaus oculatus*, '02, 111; '03, 218; '16, 140
- Fall army worm. See Army worm, fall
- canker worm, *Alsophila pometaria*, '07, 267; '08, 783-785, 795-796; '10, 663; '12, 216; '21, 120; '22, 275; '23, 236; '24, 230, 235; '25, 221
- webworm, *Hyphantria cunea*, '01, 239, 270-271; '03, 212; '04, 210, 211, 213-214; '05, 257; '06, 299; '13, 223; '17, 319-324, 325, 358; '22, 277; '23, 236; '24, 235; '25, 228
- False apple red bug. See Apple red bug, false
- bud worm. See *Heliothis obsoleta*
- Feltia venerabilis*, '22, 373
- Fennel worm, *Papilio polyxenes*, '20, 204-206
- Fenusa pumila*, '24, 236, 341; '25, 218, 229
- Fern scale, '02, 110; '05, 239. See *Saissetia filicum*
- Fidia viticida*, '10, 709
- Fiery ground beetle. See Ground beetle, fiery
- Fifteen-spotted lady beetle, '10, 663, 705-706. See *Anatis 15-punctata*
- Fig scale, *Chrysomphalus aonidum*, '05, 243-244; '13, 194
- Fir tree oil, '02, 161
- Fire blight, '13, 188; '22, 279
- Fire worm, '03, 274
- Firefly, *Photuris pennsylvanica*, '04, 208
- Five-spotted lady beetle, *Coccinella transversoguttata* or *V-notata*, '16, 103
- Flannel moth, crinkled, *Lagoa crispata*, '02, 112, 177
- Flat-headed borer, *Chrysobothris femorata*, '07, 333; '13, 251
- Flea beetle, *Oedionychis sexmaculata*, '06, 264, 271-273; '16, 141; '19, 204
- banded, *Systema taeniata*, '15, 183
- grapevine, *Altica* (*Haltica*) *chalybea*, '07, 337; '25, 221
- strawberry, *Altica* (*Haltica*) *ignita*, '02, 112; '22, 369; '24, 338
- tobacco, '06, 272
- cat and dog, *Pulex serraticeps*, '05, 257
- hopper, garden, *Halticus uhleri*, '04, 217-218
- Flies, how to get rid of, '11, 338-339
- Flour beetle, confused, *Tribolium confusum*, '17, 334, 343
- rust red, *Tribolium ferrugineum*, '17, 334, 343
- moths, '17, 335-337
- Mediterranean, *Ephestia kuehniella*, '17, 337, 344
- Flowers and relationship to insect visitors, '05, 221-224
- Folsomia fimetaria* (*Isotoma*), '10, 711
- Forest tent caterpillar, *Malacosoma disstria*, '02, 110; '11, 343; '13, 227
- Forester, eight-spotted, *Alypia octomaculata*, '02, 110; '06, 298; '16, 68, 118-122; '17, 358

- Forficula auricularia*, '19, 125
Formica exsectoides, '22, 363
 fusca var. *subsericea*, '05, 214,
 217, 219; '22, 362
 Foul brood, American, '14, 126, 129;
 '15, 95, 99; '16, 79, 83; '17,
 243, 246; '18, 263, 269-271;
 '19, 130; '20, 146, 150; '21,
 128, 131; '22, 286, 290; '23,
 248, 252; '24, 248-249, 253;
 '25, 248-249, 253
 European, '10, 670; '11, 276;
 '12, 223; '13, 197, 198; '14,
 129; '15, 95, 99; '16, 79, 83;
 '17, 243, 246; '18, 263, 266-
 269; '19, 130, 134; '20, 146,
 150; '21, 128, 131; '22, 285-
 286, 290; '23, 248, 252; '24,
 247-248, 253; '25, 247-248, 253
 Four-lined leaf bug, *Poecilocapsus*
 lineatus, '02, 111; '03, 219; '05,
 256; '06, 297; '14, 189-190; '23,
 236
 Four-spotted bean weevil, *Bruchus*
 quadrinotatus, '17, 333
Fragaria virginiana, '05, 209, 220
Fraxinus, '16, 141
 Frog-hoppers, '13, 255
Frontina aletiae, '16, 110; '21, 169
 armigera, '21, 169
 frenchii, '12, 286; '16, 110; '21,
 169
 tenthredinidarum (*Masicera*), '15,
 131
 Fruit bark beetle, *Scolytus rugu-*
 losus, '02, 111, 112; '03, 220,
 221, 222; '05, 258; '06, 299; '13,
 188
 scale, European, *Aspidiotus os-*
 traeformis, '05, 242; '13, 187
 weevil, black, *Otiorynchus sul-*
 catus, '09, 371; '13, 230-232; '19,
 124, 125
Fucellia fucorum, '05, 211, 212
 sp., '05, 223
Fumago, '03, 264
 Fumigation for white fly, '02, 160-
 163
 of buildings, '06, 291-295; '09, 365-
 367
 of fruit trees in greenhouse, '03,
 278
 of grapery, '15, 136-137
 of nursery stock, '01, 249-250; '02,
 126-127; '03, 209; '06, 227-233;
 '07, 270-285; '08, 796-799
 of orchards, '02, 126-127
Fundulus, '04, 262
 Fungus-inhabiting beetle, *Boleto-*
 therus bifurcus, '07, 337
Galeruca, '17, 263
Galerucella xanthomelaena (*lute-*
 ola), '01, 264-267; '02, 107, 109;
 '03, 218; '05, 258; '06, 299; '07,
 337; '08, 815-828; '10, 663; '11,
 268; '12, 216; '13, 256; '18, 348;
 '22, 277; '23, 234; '24, 235, 238,
 339; '25, 229
 Gall aphid, hickory leaf stem. See
 Hickory gall aphid
 spruce. See Spruce gall aphid
 fly, *Rhodites radicum*, '01, 237
 -making beetle, *Agrilus cham-*
 plaini, '12, 291
Galleria mellonella, '01, 236
Gambusia, '04, 262
 Garden flea hopper, *Halticus*
 uhleri, '04, 217-218
 millipede, *Julus hortensis*, '12, 295
 slugs, '18, 333-336
Gastrophilus equi, '20, 213
Gelechia abietisella, '22, 374
 operculella, now *Phthorimaea*,
 '06, 277
 Geranium attacked by white ants,
 '14, 196
 German roach, *Blatella germanica*,
 '21, 188-189; '25, 229
 Giant hornet, *Vespa crabro*, '01,
 239, 276; '05, 258; '06, 300; '16,
 144; '20, 214
 sawfly, *Cimbex americana*, '06,
 300; '12, 294
 water bug, *Lethocerus ameri-*
 canus, '23, 310
 Gipsy moth, *Porthetria dispar*, '05,
 246-251; '06, 235-260; '07,
 300-312; '08, 772-777; '09,
 336-343; '10, 671-683; '11,
 277-280; '12, 224-229; '13,
 198-204; '14, 129-134; '15,
 99-111, 182; '16, 83-96; '17,
 246-258, 359; '18, 272-290; '19,
 135-144, 198; '20, 151-168; '21,
 132-145; '22, 290-326; '23,
 253-267; '24, 254-276; '25,
 253-272
 discovery in Connecticut, '05,
 246
 legislation, '07, 307-311
 parasites, '05, 250; '06, 253; '07,
 311-312; '17, 249-252; '18,
 275-276; '20, 162-165; '21,
 143-144; '22, 313-314; '23,
 265-266; '24, 270-272; '25,
 270-271

- Glacial lady beetle, *Hippodamia glacialis*, '17, 298
Gladiolus, '18, 320
Gleditschia tricanthos, '04, 212
Gloeosporium venetum, '13, 188
Glomerella cingulata, '17, 242
 Glow worm, '03, 219. See *Phengodes laticollis*
Gluphisia severa, '06, 298
Glycobius speciosus (*Plagionotus*), '22, 277, 351-355. See *Plagionotus speciosus*
Glyphe viridescens, '14, 168
Glypta rufiscutellaris, '25, 281
vulgaris, '18, 303
 Gold beetle, *Coptocycla aurichalcea*, '05, 258
 Goldenrod eaten by beetles, '08, 844
Gonia capitata, '21, 169
Goniomima unifasciata (*Belvosia*), '14, 167
 Gooseberry, American, '05, 209, 210
Gortyna nitela. See *Papaipema nitela*
Gossyparia spuria (*ulmi*), '01, 238; '03, 218; '05, 235-236; '11, 344
Gracilaria elotella, *Marmara elotella*, '17, 364; '22, 275
 Grain aphid, spring, *Toxoptera graminum*, '25, 278
 beetles, '17, 331-335
 saw-toothed, *Silvanus surinamensis*, '17, 334-335, 341, 344
 moths, '17, 337-338, 344
 Angoumois, *Sitotroga cerealella*, '17, 337-338, 344
 European, *Tinea granella*, '06, 234, 294-295, 305; '17, 338, 344
 Granary weevil, *Calendra granaria*, '17, 335, 344; '25, 230
 Grape berry moth, *Polychrosis viteana*, '20, 206-207
 flea beetle, *Altica* (*Haltica*) *chalybea*, '07, 337; '25, 221
 plume moth, *Oxyptilus periscelidactylus*, '06, 298; '14, 190
 root worm, *Fidia viticida*, '10, 709
 Grapevine beetle, spotted, *Pelidnota punctata*, '06, 300
 sawfly, *Erythraspides pygmaeus*, '16, 142
 tomato gall, *Lasioptera vitis*, '04, 208, 209, 210; '05, 257; '06, 299; '16, 146; '23, 232
Grapholitha sebastinae, '03, 276
 Grass, black spike, '12, 265
 Grasshoppers, '17, 358, 364-365
 pink, '14, 187; '19, 200
 red-legged, *Melanoplus femurrubrum*, '06, 274; '23, 233; '25, 322
 on tobacco, '06, 264, 273
Gratichneumon annulator, '15, 131
 Gray hair-streak, *Uranotes melinus*, '19, 202
 Green apple aphid. See Apple aphid, green
 cabbage worm. See Cabbage worm
 clover worm. See Clover worm, green
 peach aphid. See Peach aphid, green
 rose chafer. See Rose chafer, green
 Greenbriar eaten by caterpillars, *Hadena turbulenta*, '14, 183-185
 Greenhouse cockroach. See Cockroach, greenhouse
 orthezia, *Orthezia insignis*, '05, 235, 255
 Ground beetle, fiery, *Calosoma calidum*, '08, 786; '12, 287; '14, 167
 large, *Calosoma scrutator*, '17, 323
 Grubs, white, '09, 372-373; '10, 658; '12, 215, 288-291; '13, 229-230, 250; '15, 179-181, 182; '16, 141-142; '23, 233; '25, 227
Gryllotalpa borealis, '03, 223; '06, 297
 sp., '01, 239
Gryllus domesticus, '18, 313-316, 341; '21, 188; '23, 236, 311
Gymnoconia interstitialis, '13, 188
Gymnosporangium clavariaeforme, '13, 194
 japonicum, '11, 274; '13, 188
Gypona flavilineata, '14, 192
Habrobraconidea bicoloripes, '19, 150, 151
 Hackberry leaf gall aphid, *Pachypsylla celtidis-mamma*, '03, 219
Hadena fractilinea, '19, 187
 semicana, '19, 187-188
 turbulenta, '14, 183-185
Hadrobregmus carinatus, '22, 370
Haematopinus piliferus, '16, 142
 vituli, '05, 255
 Hag moth, *Phobetreron pithecium*, '01, 238, 239, 273-274; '04, 211; '05, 257
 Hair worm, '01, 237

- Halictus arcuatus* (Evyllaes), '05, 210, 213, 214, 215, 218, 221, 222
coriaceum (Lasioglossum), '05, 210
fasciatus, '05, 210, 212, 214, 215, 218, 219, 220, 221, 223
lerouxii, '05, 210, 213, 214, 215, 217, 219, 221
obscurus (Chloralictus), '05, 216, 217, 219, 222
pectinatus (Evyllaes), '05, 210
pilosus (Chloralictus), '05, 210, 213, 214, 216, 217, 219, 221, 222
sparsus (Chloralictus), '05, 210, 212, 213, 214, 216, 217, 218, 219, 220, 221, 222, 223
tegularis (Chloralictus), '05, 219
truncatus (Evyllaes), '05, 210, 212, 213, 214, 215, 217, 218, 221, 222
versatus (Chloralictus), '05, 216, 217, 219, 220, 223
zephyrus (Chloralictus), '05, 210, 212, 213, 214, 216, 217, 218, 219, 221, 222
 sp., '18, 340
Halisidota caryae, '01, 239; '06, 298; '07, 332; '08, 843; '17, 325-326, 358
maculata, '17, 325, 326
tessellaris, '03, 222; '08, 843; '17, 325-326, 358
Haltica chalybea (Altica), '07, 337; '25, 221
ignita (Altica), '02, 112; '22, 369; '24, 338
ulmi, '18, 348; '22, 277, 369; 24, 338
Haltichella perpulchra (Hockeria), '14, 168
Halticus citri (uhleri), '04, 211, 217-218
 Ham beetle, red-legged, *Necrobia rufipes*, '17, 339, 344
Hamamelistes spinosus, '03, 220
 Harlequin cabbage bug, *Murgantia histrionica*, '14, 193
Harmonia similis, '14, 187
Harpalus caliginosus, '04, 209
pennsylvanicus, '02, 110
Harpiphorus maculatus (Empria), '03, 218; '05, 258
Harpiteryx xylostella, '20, 214-215
 sp., '18, 342
Harrisina americana, '17, 361
 Harvest fly. See *Cicada*
Hedera helix, '12, 292; '13, 193
Heliophila albilinea (Leucania), '14, 162
pseudargyria, '05, 257
unipuncta (Cirphis), '12, 285; '14, 157-173; '17, 359, 360; '19, 185-186; '25, 227
Heliolithis obsoleta (armiger), (Chloridea), '06, 277; '08, 847; '09, 368; '18, 317, 318; '19, 188-189; '20, 196, 211; '21, 165-170; '22, 276, 343-344; '23, 232; '24, 233; '25, 224
rhexiae (Chloridea), '06, 277; '09, 368
Heliorthrips femoralis (cestri), '03, 268
Hellebore, '02, 172, 174; '03, 272, 276
Hellgramite, *Corydalis cornutus*, '05, 256
Helophilus hamatus, '05, 217
Hemaris diffinis, '06, 299
thysbe, '06, 299
Hemerobia sp., '19, 158
Hemerocampa antiqua (Notolophus), '06, 235, 298; '14, 126; '24, 245; '25, 246
definita, '13, 253-254
leucostigma, '05, 230-234, 257; '06, 235, 298; '12, 216; '16, 105-111; '17, 326, 357. See *Notolophus leucostigma*
Hemerophila pariana, '20, 190-193; '21, 120, 186-188; '22, 273, 274; '23, 230; '24, 230; '25, 220
Hemichionaspis aspidistrae, '10, 710
Hemiptera of Connecticut, '16, 71
Hemiscopsis cinerea, '10, 665, 668, 696-698
 Hemispherical scale, *Saissetia hemisphaerica*, '04, 206, 207; '05, 239; '06, 297; '14, 125
Hemiteles laticinctus, '14, 168
utilis, '15, 122; '17, 283
 Hemlock leaf scale, *Aspidiotus abietis*, '05, 241
 webworm, *Gelechia abietisella*, '22, 374
 Hessian fly, '03, 274
Heterocampa guttivitta, '08, 848; '18, 343-344
Heterocordylus malinus, '14, 197-198; '17, 259
Heteropelma datanae, '17, 329
Heterostomus pulicarius, '24, 339
Hibiscus, '01, 271; '15, 94

- Hickory bark beetle, *Scolytus quadrispinosus*, '01, 267-270; '02, 169; '03, 213, 278; '11, 341; '13, 237-239, 250; '14, 186, 189, 198; '15, 182
- borer, *Cyrtus pictus*, '04, 206, 207; '06, 299
- gall aphid, *Phylloxera caryae-caulis*, '03, 218-219; '04, 208; '06, 297; '14, 189; '16, 145; '25, 228
- trees dying, '13, 237-239
- tussock moth, *Halisidota caryae*, '06, 298; '07, 332; '08, 842-843; '17, 325-326, 358
- Hicoria alba*, '12, 247
- lanciniosa*, '12, 253
- minima*, '12, 247
- ovata*, '12, 247, 253
- pecan, '12, 254
- porcina (*Carya*), '12, 257
- Hilara leucoptera*, '05, 214
- Hippodamia convergens*, '17, 298, 299; '21, 169, 174
- glacialis*, '17, 298
- parenthesis, '17, 298
- 13-punctata, '17, 298
- Homalomyia scalaris*, '05, 211, 217
- Hop hornbeam gall, '12, 291
- Hop merchant butterfly, *Polygonia comma*, '24, 337
- Hormorus undulatus*, '05, 259
- Horn worm, '06, 264, 269-271; '22, 370
- Hornet, European giant, *Vespa crabro*, '01, 239, 276; '05, 258; '06, 300; '16, 144; '20, 214
- Horse bot, *Gastrophilus equi*, '20, 213
- fly, black, *Tabanus atratus*, '05, 257
- Hose, spray, '04, 250
- House centipede, '03, 222; '23, 236
- cricket, European, *Gryllus domesticus*, '18, 313-316, 341; '21, 188; '23, 236, 311
- fly, common, *Musca domestica*, '06, 221
- European, *Muscina pascuorum*, '22, 373
- Huckleberries attacked by apple maggot, '05, 260
- Hyalomyodes triangulifera*, '05, 212
- Hydrocyanic acid gas, '01, 249; '02, 127, 161; '03, 278; '06, 229, 291; '07, 280; '09, 365-366; '15, 136-137
- Hydrophilus obtusatus*, '04, 262
- Hyetodesia lucorum*, '05, 215
- antiqua*. See *Pegomyia ceparum*
- Hylemyia antiqua*. See *Pegomyia ceparum*
- brassicae (*Pegomyia*), '08, 832-837; '13, 232-233; '14, 142-157; '15, 114-118; '22, 332-333; '24, 233, 314-318; '25, 225
- ceparum, '24, 314, 315, 316, 317. See *Pegomyia ceparum*
- cilicrura, '21, 121, 161-163; '23, 232; '24, 315; '25, 325
- cinerella, '24, 315
- trichodactyla, '24, 315
- Hylobius pales*, '06, 299; '24, 340
- Hylotrupes ligneus*, '02, 108, 176-177
- Hymenoptera of Connecticut*, '15, 88; '16, 71
- Hyperaspis signata*, '05, 230
- binotata*, '21, 177, 180
- Hyphantria budea*, '17, 322
- cunea*, '01, 239, 270-271; '04, 210, 211; '05, 257; '06, 299; '17, 319-324, 358; '22, 277; '23, 236; '24, 235; '25, 228
- punctatissima, '17, 319, 322
- textor, '17, 319, 320
- sp., '13, 223
- Hypoderma bovis*, '20, 213
- lineata, '20, 213
- Hypostena variabilis*, '18, 303
- Icerya purchasi*, '22, 371
- Ichneumon flies*, '02, 144; '03, 274; '13, 228; '14, 168; '16, 109
- seminiger, '05, 211
- subcyaneus, '05, 211
- utilis, '08, 786
- Ichthyura inclusa* (*Melalopha*), '11, 310-311
- Illinoia pisi*, '23, 233; '24, 234, 319; '25, 226, 227, 295-298. See *Macrosiphum pisi*
- Imperial moth, *Basilona imperialis*, '06, 299; '11, 341
- parasite, *Latreillimyia bifasciata*, '11, 341
- Imported currant worm. See currant worm
- pine sawfly. See pine sawfly
- Indian meal moth, *Plodia interpunctella*, '05, 252-254; '17, 335-336, 344
- Insect notes, '01, 273-278; '02, 174-178; '03, 276-278; '04, 212-219; '05, 259-262; '06, 301-306; '07, 334-338; '08, 842-848; '09, 367-374; '10, 706-712; '11, 339-346;

- '12, 291-296; '13, 250-256; '14, 187-198; '15, 183-192; '16, 137-146; '17, 359-367; '18, 342-350; '19, 198-206; '20, 210-215; '21, 194-202; '22, 369-378; '23, 310-314; '24, 336-342; '25, 321-327
- Insecticides, '05, 194, 205; '10, 690-692
- Insects in collection, '04, 201
pollinating fruit blossoms, '05, 194, 207-224
- Inspection, apiary, '09, 331-334; '10, 669-671; '11, 275-277; '12, 223-224; '13, 195-198; '14, 126-129; '15, 95-99; '16, 78-83; '17, 235, 242-246; '18, 262-271; '19, 128-134; '20, 145-150; '21, 127-131; '22, 284-290; '23, 247-253; '24, 246-254; '25, 246-253
- bulbs, imported, '19, 126-128
nursery, '01, 230, 232, 242; '02, 104; '03, 205-210; '04, 202-205; '05, 192-193; '06, 223-226; '07, 268-269; '08, 770-771; '09, 326-328; '10, 665-667; '11, 269-271; '12, 217-220; '13, 186-190; '14, 118-122; '15, 86, 88-91; '16, 72-75; '17, 236-239; '18, 255-259; '19, 118-122; '20, 140-143; '21, 122-125; '22, 279-282; '23, 239-245; '24, 238-244; '25, 232-244
- nursery stock, imported, '09, 328-331; '10, 667-669; '11, 271-275; '12, 220-223; '13, 191-195; '14, 122-126; '15, 86, 91-94; '16, 75-78; '17, 240-242; '18, 259-262; '19, 122-128; '20, 143-144; '21, 125-127; '22, 282-284; '23, 245-247; '24, 244-245; '25, 244-246
- Interrogation point butterfly, *Polygonia interrogationis*, '14, 187
- Io moth, *Automeris io*, '04, 211; '06, 299
- Ips calligraphus*, '21, 196
pini, '25, 229
- Iridomyrmex humilis*, '10, 699; '22, 364
- Iris borer, *Macronoctua onusta*, '06, 306; '15, 189; '18, 331-333
versicolor, '18, 332
weevil, *Mononychus vulpeculus*, '21, 194; '22, 278
- Ironwood, '12, 291
- Isabella tiger moth, *Isia isabella*, '06, 298
- Isaria farinosa*, '15, 131; '17, 250
- Ischnaspis longirostris*, '05, 245
- Ischnoptera pennsylvanica*, '05, 255
- Ischnura posita*, '21, 174
- Isia isabella*, '06, 298
- Isotoma fimetaria* (*Folsomia*), '10, 711
- Ithycerus noveboracensis*, '08, 845-846
- Itycorsia zappei*, '20, '139, 179-182
sp., '17, 360; '19, 117
- Janus abbreviatus*, '17, 359; '25, 322
integer (*flaviventris*), '20, 201-204; '24, 232
- Japanese barberry, '13, 253
beetle (*Asiatic beetle, Anomala orientalis*), '22, 345-346; '23, 291-293; '24, 294-299; '25, 309-312
iris infested by maggots, *Elachiptera longula*, '04, 214
juniper rust, '13, 188
weevil, *Pseudocneorrhinus setosus*, '23, 313-314
yew, '13, 230
- Juglans australis*, '12, 253
californica, '12, 253
cinerea, '12, 243, 247
cordiformis, '12, 243, 244, 247, 253, 254
mandshurica, '12, 247, 253
nigra, '12, 244, 247, 253
regia, '12, 243, 244, 247, 253, 254
rupestris, '12, 253
sieboldiana, '12, 243, 244, 247, 253
- Julus hortensis*, '07, 337; '12, 295
- Juncus gerardi*, '04, 228; '12, 265; '15, 146, 172
- June beetles, '05, 258; '13, 229, 230; '25, 227
defoliating poplars, '10, 709
- Juniper rust, '11, 274; '13, 188, 194
scale, *Diaspis carueli*, '20, 212
webworm, '12, 295; '15, 137-139; '22, 278; '24, 236; '25, 230
- Juniperus communis*, '15, 137
var. *hibernica*, '13, 194
pfitzeriana, '20, 212
virginiana, '20, 212
- Kaliofenusa ulmi*, '20, 212-213
- Katydid, '03, 274; '06, 297; '14, 187
Texas, '06, 274
- Kermes andrei*, '05, 235
galliformis, '05, 235
sassceri, '16, 143
sp., '16, 143; '24, 239

- Kerosene, '02, 114, 115, 122, 161-162
emulsion, '01, 258; '03, 232, 252,
257; '04, 219; '09, 352
- Klinophilos lectularia (Cimex), '06,
291; '09, 365
- Lace bug, elm, *Corythucha ulmi*,
'25, 321
rhododendron, *Leptobyrza rho-*
dodendri (explanata), '10,
708-709; '21, 200-201
- Lacewing, *Chrysopa oculata*, '03,
265; '04, 209; '05, 256; '17, 298,
299
- Lachnosterna, '16, 141-142. See
Grubs, white
crenulata, '12, 289; '15, 181
fraterna, '05, 258; '12, 289; '13,
230; '15, 181
fusca, '09, 373; '12, 289; '13, 230;
'15, 181
hirticula, '12, 289; '15, 181
nova, '12, 289; '15, 181
tristis, '13, 229
- Lachnus abietis, '02, 110. See
Chermes abietis
platanicola, '06, 297
strobi, '03, 222
sp., '13, 193
- Lackey moth, European, *Malacosoma neustria*, '17, 241, 242,
362; '19, 124, 125
- Lady beetle, '04, 209; '06, 300; '17,
298, 299; '20, 183; '22, 371
Chinese, '03, 214
convergent, *Hippodamia con-*
vergens, '17, 298
fifteen-spotted, *Anatis 15-*
punctata, '05, 230; '10, 663,
705; '19, 158
five-spotted, *Coccinella trans-*
versoguttata or *V-notata*, '16,
103
glacial, *Hippodamia glacialis*,
'17, 298
nine-spotted, *Coccinella no-*
vemnotata, '16, 103; '17, 298,
299
parenthesis, *Hippodamia par-*
enthesis, '17, 298
red, *Cycloneda munda (Coc-*
cinella sanguinea), '17, 298
spotted, *Ceratomegilla (Me-*
gilla) fuscilabris (maculata),
'04, 206; '06, 300; '17, 298;
'19, 158; '21, 169, 174
squash, *Epilachna borealis*, '01,
238; '03, 217; '08, 805, 810-
811
thirteen spotted, *Hippodamia*
xiii-punctata, '17, 298
twice-stabbed, *Chilocorus bi-*
vulnerus, '01, 236; '02, 111,
127-128; '03, 220; '05, 258, '06,
300; '09, 351; '19, 158; '21,
180
two-spotted, *Adalia bipunctata*,
'02, 107, 109; '03, 262, 265;
'05, 211, 213, 215, 216, 218,
258; '06, 300; '17, 298; '19,
158
- Laemophlaeus pusillus*, '17, 335
- Laetilia coccidivora*, '21, 180
- Lagoa crispata*, '02, 112, 177
- Laphygma frugiperda*, '12, 215, 284-
287; '14, 162
- Larch beetle, Eastern, '15, 128
case bearer, *Coleophora laricella*,
'19, 200-201; '23, 234, 288-291;
'24, 235; '25, 227
leaf aphid, *Chermes strobilobius*,
'23, 235; '24, 235
leaf miner. See Larch case
bearer
sawfly, *Lygaeonematus (Nema-*
tus) erichsoni, '15, 125-134, 182
- Larder beetle, *Dermestes lardarius*,
'17, 339, 334
- Larix americana*, '15, 127
europaea, '15, 127
leptolepis, '15, 127
sibirica, '15, 127
- Lasioderma serricornne (testa-*
ceum), '05, 258; '06, 278-279;
'17, 339; '19, 205-206
- Lasioptera vitis*, '04, 208, 209, 210;
'05, 257; '06, 299; '16, 146; '23,
232
vitis-pomum, '16, 146. Now *Schi-*
zomyia pomum
- Laspeyresia molesta*, '17, 315-319,
359; '18, 252, 254, 255, 256, 298-
306; '19, 119, 198; '21, 120; '22,
275; '23, 230, 232, 284-287; '24,
230, 286, 299-303; '25, 219, 280-
286
- Lathrobium brunnipes*, '19, 125
- Latreillimyia bifasciata*, '11, 341
- Lathromeris cicadae*, '11, 303
- Laurus nobilis*, '13, 194
- Law, apiary inspection, '09, 332;
'13, 195
registration, '19, 128; '23, 253;
'24, 253
- European corn borer, '19, 172
gipsy and brown-tail moth, '07,
307-311; '15, 101-111

- insect pest, '01, 229; '02, 100; '03, 200
- mosquito elimination, '15, 141; '17, 345; '19, 194; '23, 303; '24, 335
- nursery registration and inspection, '25, 232
- Lead arsenate. See Arsenate of lead
- Leaf bug, four-lined. See Four-lined leaf bug
- folder, apple. See Apple leaf folder
- on privet, *Archips rosana*, '13, 185, 223-226; '15, 185
- hopper, currant. See Currant leaf hopper
- grapevine, *Typhlocyba comes*, '04, 216-217
- on apple. See Apple leaf-hopper
- on Japanese barberry, *Gypona flavilineata*
- midge, boxwood. See Box leaf-miner
- roller '20, 214
- cherry. See Cherry leaf roller
- oak. See Oak leaf roller
- strawberry. See Strawberry leaf roller
- on honeysuckle, *Harpiteryx xylostella*, '20, 214-215
- on privet, *Archips rosana*, '13, 185, 223-226; '15, 185
- on spiraea, *Olethreutes hemidesma*, '17, 359, 364
- on Virginia creeper, *Desmia funeralis*, '17, 360
- red-banded, *Eulia velutinana*, '20, 176, 212; '21, 120; '25, 220, 298-301
- tyer, *Tortrix albicomana*, '15, 189; '18, 343
- greenhouse, *Phlyctaenia ferrugalis*, '09, 369-370; '16, 141
- Leather beetle, *Dermestes vulpinus*, '06, 279
- jacket, '25, 325
- Lebia grandis*, '08, 844
- Lecanium corni* (*Eulecanium armeniacum*, *canadense*, *cerasifex*, *kingii*), '03, 212, 218, 219, 220, 223; '04, 208; '05, 237-238; '06, 297; '13, 188
- hemisphaericum*, '01, 236; '02, 110
- juglandis*, '02, 111
- nigrofasciatum*, '05, 238, 255; '06, 297; '21, 183-185
- tulipiferae*, *Toumeyella liriiodendri*, '01, 238, 277; '02, 108, 111, 112, 113; '03, 216, 218; '04, 207, 210; '05, 239, 255; '06, 297; '12, 217, 294-295; '13, 188; '14, 187; '21, 176-178; '25, 227
- sp., 12, 205
- Lema trilineata*, '08, 844; '18, 342-343
- Leopard moth, *Zeuzera pyrina*, '08, 847; '09, 356-359; '10, 664; '11, 266, 317-338; '12, 216; '13, 188; '19, 199; '24, 235
- great, *Ecpantheria deflorata*, '05, 257
- Lepidosaphes beckii* (*Mytilaspis citricola*), '05, 244
- newsteadi*, '15, 140
- var. *tokionis*, '15, 140
- ulmi* (*Mytilaspis pomorum*), '01, 236, 237, 238, 239; '02, 108, 109, 110, 111; '03, 216, 217, 218, 222, 223, 225-232; '04, 207, 209, 210, 211; '05, 245, 256; '06, 298; '12, 217; '13, 188, 194; '14, 125; '15, 93; '18, 255; '21, 121; '23, 234, 240; '25, 223
- Leptinotarsa decemlineata* (*Doryphora*), '03, 212, 275; '04, 212; '08, 768; '11, 311-313; '13, 250; '14, 186, 190; '18, 341; '22, 276; '25, 224
- Leptobyrsa rhododendri* (*explanata*), '10, 708-709; '21, 200-201
- Leptocryptus lacustris*, '25, 246
- Lepedeza*, '18, 328
- Lesser apple worm, *Enarmonia prunivora*, '20, 176, 212; '21, 120
- prionus*, *Orthosoma brunneum*, '01, 238; '02, 111; '03, 221; '04, 209; '05, 258
- Lethocerus americanus*, '23, 310
- Leucania unipuncta*, '14, 162
- Leucaspis japonica*, '15, 139-140
- Leucophaea surinamensis* (*Pycnoscelus*), '17, 234, 302-313; '18, 253, 311-313; '24, 236, 337
- Leucopis nigricornis*, '09, 351; '21, 180
- Leucotermes flavipes* (*Termes Reticulitermes*), '09, 373-374; '14, 196-197; '15, 187; '16, 143-144; '21, 200; '22, 365-366; '23, 237; '25, 230
- Ligustrum ibota*, '13, 240

- Lilac borer, *Podosesia syringae*, '05, 260
- Lily of the valley attacked by beetle, *Hormorus undulatus*, '05, 259
- Lily mite, Bermuda, *Rhizoglyphus hyacinthi*, '15, 190; '19, 127
- Limax campestris*, '06, 277
- maximus*, '18, 334-336
- Lime and potassium sulphide, '03, 240, 243, 246, 248, 250, 256
- Lime-sulphur, '02, 114, 120, 122, 124, 126; '03, 237, 238, 242, 244, 246, 248, 249, 250, 251, 252, 256, 257; '08, 840-841
- Lime-tree winter moth, *Erannis tiliaria*, '15, 184; '24, 231, 235, 311-314
- Limmeria dubitata*, '12, 287
- pallipes* (Campoplex), '17, 323
- valida*, '16, 110
- Limonium griseus*, '06, 268, 300
- Limonium agonus*, '25, 312-314
- Limothrips allii*, *Thrips tabaci*, '03, 213, 266-268; '06, 277, 297; '13, 233-235; '24, 234, 320; '25, 226
- Lina interrupta* (lapponica), '10, 707; '18, 256
- scripta*, '10, 707; '18, 256
- Linden borer, *Saperda vestita*, '13, 256; '15, 186
- moth, snow-white, *Ennomos subsignarius*, '08, 842
- Lined corn borer, *Hadena semicana*, '19, 187-188
- red bug. See Apple red bug, false
- Listronotus latiusculus*, '13, 252
- Lithocolletis hamadryadella*, '05, 256; '19, 203
- Litomastix truncatella* (Cepidosoma), '11, 328
- Locust borer, *Cyrtene robiniae*, '03, 222; '11, 345-346
- Carolina, *Dissosteira carolina*, '06, 273
- gall, honey, *Cecidomyia glanditchiae*, '04, 212
- Lonchaea rufitarsis*, '05, 218
- Lonchoptera lutea*, '05, 211, 223
- riparia*, '05, 211, 223
- London purple, '03, 275
- Long-horned beetle, '03, 221; '16, 139
- Long sting, black, *Thalessa atrata*, '03, 219; '04, 208; '06, 300
- lunate, *Thalessa lunator*, '06, 300
- Lophyrus abbotti*, *Neodiprion pinetum*, '24, 337; '25, 229
- pini*, '15, 120
- similis*, *Diprion simile*, '15, 87, 89, 118-125, 182; '16, 67, 69, 71; '17, 234, 235, 273-290; '23, 234; '25, 229
- Lopidea confluens*, '05, 256
- Louse, long-nosed ox, *Haematopinus vituli*, '05, 255
- sucking dog. See Dog louse, sucking
- Lucanus dama*, '06, 300
- Lucilia caesar*, '05, 212, 213, 217, 223
- Lucius americanus*, '04, 308
- Luminous insect, *Phengodes latifolia*, '03, 268-271
- Luna moth, '02, 112; '03, 218
- Lycopersicum esculentum*, '18, 320
- Lycosa scutellata*, '02, 112
- Lyctus unipunctatus* (striatus), '06, 234, 300
- Lyda* sp., '06, 305
- Lygaeonematus erichsoni* (Nematus), '15, 125-134
- Lygidea mendax*, '14, 197-198; '15, 185; '16, 138; '17, 259, 356; '20, 172, 177-179; '21, 120; '22, 275; '23, 231; '24, 231
- Lygocerus niger*, '25, 298
- sp., '17, 299
- Lygus pratensis*, '04, 209, 210, 218-219; '05, 211, 213, 256; '06, 276; '13, 256; '16, 140-141; '23, 231; '25, 226
- Lysiphlebus cucurbitaphidis*, '09, 351
- myzi*, '09, 351
- testaceipes*, '16, 103
- sp., '15, 191
- Macrocentrus ancylivora*, '25, 281
- sp., '18, 303; '22, 349
- Macroductylus subspinosus*, '05, 258, 259; '06, 300; '12, 216; '16, 111-115; '18, 342; '22, 276, 374-375; '23, 231
- Macronoctua onusta*, '06, 306; '15, 189; '18, 331-333
- Macrophyta simillima*, '25, 323-324
- Macrosargus cuprarius*, '14, 191
- Macrosiphum pisi* (Nectarophora, Illinoia), '01, 238, 276; '03, 212; '13, 235-237; '19, 200; '22, 276; '23, 233; '24, 234, 319; '25, 226, 227, 295-298
- solanifolii*, '12, 294; '15, 191; '16, 104; '17, 290-302, 357; '18, 253,

- 294-297; '19, 199; '20, 182-183; '21, 122; '22, 276; '23, 233; '24, 234, 243; '25, 226
- Macrosporium, '17, 241
- Magdalis olyra, '13, 238; '14, 198
- Malacosoma americana (Clisiocampa), '01, 238; '02, 139-148; '03, 217, 221, 274; '04, 206; '06, 298; '11, 342-343; '13, 226-229; '17, 252, 357, 363; '18, 344; '22, 275; '23, 231; '24, 230, 235; '25, 220
- disstria (Clisiocampa), '02, 110; '11, 343; '13, 227
- neustria, '17, 241, 242, 362; '19, 124, 125
- Malaria, '04, 254-257
- Mamestra dissimilis, '13, 194
- picta, '04, 208; '05, 257; '19, 191
- subjuncta, '19, 190
- Manetti rose, '15, 93, 94, 185
- Mantis, praying, Stagmomantis carolina, '08, 822; '17, 323
- Chinese, Paratenodera sinensis, '03, 213-214
- European, Mantis religiosa, '03, 214
- religiosa, '03, 214
- Maple aphid, Chaitophorus sp., '03, 220
- bladder gall, '25, 229
- borer, Plagionotus (Glycobius) speciosus, '01, 278; '02, 111; '03, 221; '07, 336-337; '10, 659, 664; '22, 277, 351-355
- leaf scale, woolly, Phenacoccus acericola, '04, 210; '05, 226-230, 236, 255; '06, 221, 297; '10, 664; '11, 268, 345; '12, 217; '22, 277; '23, 234; '25, 228
- leaf spot gall, Sciara ocellaris, '04, 207
- stem borer, Priophorus acericaulis, '06, 221, 295-296; '07, 298; '10, 708; '11, 266, 305-307
- scale, cottony, Pulvinaria vitis (innumerabilis), '05, 237, 255; '06, 297; '13, 188, 252; '21, 179-181; '25, 227
- sesian, Synanthedon acerni (Sesia), '22, 355-357
- Marguerite fly, Phytomyza chrysanthemii, '11, 342; '15, 188
- Marmara elotella (Gracilaria), '17, 364; '22, 275
- Masicera myoidea, '19, 182
- Massospora cicadina, '11, 304
- Meal moths, '17, 335
- Indian, Plodia interpunctella, '05, 252-254, 256; '17, 335-336, 344
- snout, Pyralis farinalis, '17, 337, 344
- worm, common, Tenebrio molitor, '17, 331-332, 343
- darker, Tenebrio obscurus, '17, 332
- Mealy bug, '02, 108, 111; '05, 236; '15, 136-137; '24, 338
- long-spined, Pseudococcus longispinus, '05, 236
- flatas, Ormenis pruinosa and septentrionalis, '21, 189-190
- Mediterranean flour moth, Ephesia kuehniella, '17, 337, 344; '25, 230
- Meibomia sp., '18, 328; '19, 167
- Megilla fuscilabris (maculata), '03, 217; '04, 206; '06, 300; '17, 298; '19, 158
- Megorismus fletcheri, '09, 351; '25, 298
- Melalopha inclusa (Ichthyura), '05, 257; '10, 710; '11, 310-311
- Melanactes piceus, '03, 268
- Melanoplus femur-rubrum, '06, 274; '23, 233; '25, 322
- Melanostoma mellinum, '05, 212
- Melanotus communis, '06, 300
- cribulosus, '06, 268
- sp., '25, 313
- Melanoxantherium sp., '23, 235
- Melittia satyriniformis, '08, 805, 806-807; '16, 116-118; '23, 233; '25, 224
- Meloe angusticollis, '04, 211
- Melon aphid, Aphis gossypii, '05, 255; '08, 805, 813-814
- Mermis albicans, '01, 237
- Merodon equestris, '19, 127
- Mesochorus vitreus, '14, 168
- Mesogramma marginata, '05, 219
- Mesoleius tenthredinis, '15, 130
- Mesostenus, '18, 303
- Metachaeta helymus, '05, 218
- Meteorus communis, '16, 109; '17, 328
- hyphantriae, '16, 109; '17, 323
- versicolor, '15, 113; '17, 251; '20, 163; '22, 317
- Mexican jumping seeds, '03, 276
- Microbracon nanus, '19, 151
- Microcentrum retinervis, '02, 108
- Microcryptus labralis, '15, 131

- Microgaster militaris*. See *Apan-
teles militaris*
sp., '08, 786; '15, 130
- Microplitis nigripennis*, '21, 169
sp., '14, 168
- Microrhopala vittata*, '08, 844
- Midge, gooseberry gall, *Rhopalomyia grossulariae*, '13, 254-255
pear, *Contarinia pyrivora*, '13,
239-240
rose, *Dasyneura rhodophaga*, '22,
372
violet gall, *Phytophaga violicola*,
'21, 152-156
wheat, *Contarinia tritici*, '17,
357, 366-367
- Milkweed butterfly, *Anosia plexipus*, '04, 211; '06, 299; '23, 310
- Mineola indiginella*, '11, 342
- Miner, asparagus, *Agromyza simplex*, '06, 303-305
bark, *Marmara elotella* (*Gracilaria*), '17, 363-364
chrysanthemum leaf, *Phytomyza chrysanthemi*, '11, 342; '15, 188
peach leaf, '17, 237
sour gum leaf, *Antispila nyssae-
foliella*, '22, 278, 369
- Miris affinis*, '05, 218
- Mites, '08, 770; '17, 339, 344; '19,
198
on ash, *Tetranychus bimaculatus*,
'12, 296; '20, 184
Bermuda lily, *Rhizoglyphus hyacinthii*, '15, 190; '19, 127
on California privet (*Phyllocoptes*), '14, 192-193
on chestnut leaves, *Tetranychus bicolor*, '06, 234, 300, 305-306;
'08, 770
on chrysanthemum, *Tarsonemus pallidus*, '12, 296; '14, 176-179;
'21, 196; '23, 237
on snapdragon, *Tarsonemus pallidus*, '14, 176-179
- Mocha-stone moth, *Melalopha* (*Ichthyura*) *inclusa*, '10, 710;
'11, 310-311
- Mockernut, '12, 247
- Mole cricket, '01, 239
Northern, *Gryllotalpa borealis*, '03, 223; '06, 297
- Mompha eloisella*, '19, 199
- Monarch butterfly, *Anosia plexipus*, '04, 211; '06, 299; '23, 310
- Monarthropalpus buxi* (*flavus*), '13,
188; '18, 261; '21, 121, 197-198;
'23, 237, 312; '25, 230
- Monoctenus juniperinus*, '24, 336
- Monodontomerus aereus*, '15, 113;
'20, 163; '22, 315
dentipes, '17, 283, 284, 287
- Monohammus titillator*, '17, 360
- Monomorium pharaonis*, '17, 234,
235, 309, 314-315; '22, 364
- Mononychus vulpeculus*, '21, 194;
'22, 278
- Monopadnoides rubi*, '08, 846; '18,
329-331
- Monopadnus*, '18, 345
- Morellia micans*, '05, 219
- Morgan's scale, *Chrysomphalus dictyospermi*, '05, 244
- Mosaic, raspberry, '24, 243; '25,
237, 242
- Mosquito, banded salt marsh, *Culex sollicitans*, '04, 267, 268;
'05, 225, 226; '12, 259, 261, 269;
'13, 244; '23, 298
brown salt marsh, *Culex cantator*, '04, 268; '12, 259, 260,
269, 278; '23, 299
malarial, '04, 263; '12, 261, 269;
'13, 244, 249
rain barrel, *Culex pipiens*, '04,
266-268; '12, 217, 267, 269, 282;
'13, 186, 245, 248; '14, 183; '15,
143; '19, 195; '22, 326, 327; '23,
296
control. See Anti-mosquito
work
- Moth traps, '01, 278
- Mourning cloak butterfly, *Aglais* (*Euvanessa*, *Vanessa*) *antiopa*,
'03, 219; '05, 257; '06, 233, 260-
263, 299; '07, 267; '08, 768; '11,
268; '12, 216
- Murgantia histrionica*, '14, 193
- Muscina pascuorum*, '22, 373-374;
'24, 236
stabulans, '14, 167
- Mycetaea hirta*, '19, 125
- Myriapod, '03, 218; '07, 337
- Mytilaspis citricola*. See *Lepidosaphes beckii pomorum*. See *Lepidosaphes ulmi*
- Myxococcidium stegomyiae*, '04,
260
- Myzus cerasi*, '02, 111; '03, 220
persicae, '15, 191; '16, 99, 104; '17,
293; '25, 222, 327
ribis, '01, 237; '02, 110; '03, 220;
'04, 209; '24, 232
rosarum, '05, 255

- Nantucket pine moth, '14, 194
Necrobia rufipes, '17, 339
Necrophorus americana, '05, 258
Nectarophora cucurbitae, '08, 805, 814
lisi, *Illinoia* (*Macrosiphum*) *lisi*, '01, 238, 276; '03, 212; '13, 235-237; '19, 200; '22, 276; '23, 233; '24, 234, 319; '25, 226, 227, 295-298
rosae, '04, 208
rudbeckiae, '03, 220; '04, 209; '05, 255
solanifolii. See *Macrosiphum solanifolii*
tabaci, '06, 275
Nematus ventricosus. See *Pteronidea ribesi*
sp., '02, 177
Nemopoda cylindrica, '05, 212, 213, 219
minuta, '05, 214
Nemoraea leucaniae. See *Winthemia quadripustulata*
Neoclytus acuminatus, '25, 321
Neodiprion pinetum, '24, 337; '25, 229
simile (*Diprion*), '15, 87, 89, 118-125, 182; '16, 67, 69, 71; '17, 234, 235, 273-290; '23, 234; '25, 229
Neoprociphilus aceris, '25, 228
Nephrotoma ferruginea, '25, 325-326
New York plum scale, '03, 223; '05, 238. See *Lecanium corni*
weevil, *Ithycerus noveboracensis*, '08, 845-846
Nine-spotted lady beetle, *Coccinella novemnotata*, '16, 103; '17, 298, 299
Noctua clandestina, '02, 110; '14, 164; '25, 324
c-nigrum, '22, 373
fennica, '25, 324
lubricans, '02, 111
Noctuid larvae on apple, '25, 324
Nodonota puncticollis, '08, 845; '23, 236
Nomada imbricata, '05, 210
Nothrus ovivorus, '08, 786
Notolophus antiqua. See *Hemerocampa antiqua*
leucostigma, *Hemerocampa leucostigma*, '01, 239; '02, 109, 110, 165; '05, 230-234, 257; '06, 235, 298; '12, 216; '16, 105-111; '17, 326, 357
Novius cardinalis, '22, 371
Nursery firms receiving certificates, '01, 232; '02, 104; '03, 205; '04, 203; '05, 192-193; '06, 224-225; '07, 269; '08, 771; '09, 327-328; '10, 666-667; '11, 270-271; '12, 218-219; '13, 189-190; '14, 120-122; '15, 90-91; '16, 73-75; '17, 237-239; '18, 257-259; '19, 120-122; '20, 141-143; '21, 123-125; '22, 280-282; '23, 243-245; '24, 240-242; '25, 238-242
inspection. See Inspection nursery
Oak gall scale, *Kermes galliformis*, '05, 235
leaf-miner, *Lithocolletis hamadryadella*, '05, 256; '19, 203
leaf-roller, *Tortrix quercifoliana*, '23, 234; '24, 235, 336
pruner, *Elaphidion villosum*, '14, 194
scale, *Asterolecanium variolosum*, '03, 218; '05, 235; '13, 187; '25, 228
trees dying, '13, 250-251
worm, orange-striped, *Anisota senatoria*, '02, 112, 175; '03, 221; '05, 257; '06, 299
spiny, *Anisota stigma*, '02, 175-176
Oberea bimaculata, '22, 276
tripunctata, '17, 361
myops, '17, 361
Odontomyia pubescens, '05, 214
Odynerus campestris (*Ancistrocerus*), '05, 219
pennsylvanicus, '05, 220
Ecanthus fasciatus, '06, 274
niveus, '01, 237, 277; '02, 109
quadripunctatus, '06, 274
Edemasia concinna. See *Schizura concinna*
Edionychis sexmaculata, '16, 141
Enothera biennis, '19, 199
Oestrus ovis, '20, 213
Ogdoconta cinereola, '08, 828
Oil, crude, '01, 248, 252, 253, 258; '02, 114, 115, 117, 120, 122; '03, 239, 240, 243, 248, 250, 251, 256
kerosene, '02, 114, 115, 122, 161-162
Oiling of mosquito-breeding pools, '12, 266-267, 275-276
Oleander scale, *Aspidiotus hederæ*, '05, 242, 256
Olethreutes hebesana, '18, 349
hemidesma, '17, 359, 364

- Oligonychus americanus*, '22, 340
Omphalocera cariosa, '11, 294, 295
dentosa, '11, 260, 263, 267, 292-296; '13, 253; '12, 196-197
 Onion maggot, *Phorbia ceparum*, '04, 214; '11, 286-292; '21, 162
 seed infested by Phorid, *Aphiochaeta rufipes*, '10, 693-696
 thrips, *Thrips tabaci*, '03, 213, 266-268; '06, 277, 297; '13, 233-235; '24, 228, 234, 320; '25, 226
Ophion purgatus, '14, 168
Ophyra leucostoma, '05, 212, 219
 Orange dog caterpillar, *Papilio cresphontes*, '01, 238, 239, 276; '02, 176
 -striped oak worm. See Oak worm
 scale, red, *Chrysomphalus aurantii*, '05, 244
 Orchid weevil, *Diorymellus laevimargo*, '18, 344
 Oregon wash, '03, 248, 250, 257
Orgyia. See *Hemerocampa*
 Oriental cockroach, *Blatta orientalis*, '04, 209; '25, 229
 peach moth, *Laspeyresia molesta*, '17, 315-319; '18, 254, 255, 256, 298-306; '19, 119, 198; '20, 211; '21, 120; '22, 275; '23, 284-287; '24, 229, 230, 286, 299-303; '25, 218, 219, 280-286
Ormenis pruinosa, '21, 189-190
 septentrionalis, '21, 189-190
 sp., '24, 285
Orthezia insignis, '05, 235, 255
 Ortho-arsenite of zinc, '11, 346
Orthosoma brunneum, '01, 238; '02, 111; '03, 221; '04, 209; '05, 258
Oscinis coxendrix, '05, 211, 212
Osmia lignaria (*Ceratostomia*), '05, 217, 219, 222
pumila, '05, 220, 223
Osmoderma scabra, '05, 258
Ostrya virginica, '12, 291
Othius fulvipennis, '18, 261
Otiorthynchus ovatus, '09, 370-372; '13, 231
sulcatus, '09, 371; '13, 230-232; '19, 124, 125
 Oyster-shell scale, *Lepidosaphes ulmi* (*Mytilaspis pomorum*), '01, 236, 237, 238, 239; '02, 108, 109, 110, 111; '03, 216, 217, 218, 222, 223, 225-232; '04, 207, 209, 210, 211; '05, 245, 256; '06, 298; '12, 217; '13, 188, 194; '14, 119, 125; '15, 93; '16, 77; '17, 242; '18, 261; '19, 124, 125; '21, 121; '23, 234, 240; '24, 284; '25, 223, 238
 Ox louse, long-nosed, *Haematopinus vituli*, '05, 255
 warble, *Hypoderma bovis* and *lineata*, '20, 213
Oxyptilus periscelidactylus, '06, 298; '14, 190
Oxystoglossa similis, '05, 212
Pachyneuron aphidivorum, '17, 290
nigrocyanus (*Dibrachys*), '15, 122; '17, 283
 sp., '05, 230
Pachypsylla celtidis-mamma, '03, 219
Paleacrita vernata, '08, 777-796
Pamphilus dentatus, '12, 213, 236-240
persicum, '07, 285-300; '08, 767; '10, 664; '11, 314-315; '12, 238, 239
Panchlora celebesa, '17, 306
occipitalis, '17, 306
submarginata, '17, 306
surinamensis. See *Pycnoscelus surinamensis*
Panzeria radicum, '05, 211, 212, 215, 223
Papaipema nebris, '19, 182
nitela, '04, 208; '05, 257; '06, 277; '14, 195-196; '18, 318, 346-347; '19, 180-183; '20, 196, 210; '21, 194; '22, 276; '23, 232; '24, 233; '25, 224
Papilio cresphontes, '01, 238, 239, 276; '02, 176
polyxenes (*asterias*), '03, 221; '20, 204-206
Paradichlorobenzene, '22, 331-332
Paragrotis messoria, '22, 375
tesselatus, '22, 375
Paralictus cephalicus, '05, 214, 218
 Parallel spittle insect, *Aphrophora parallela*, '16, 125-126
Parandra borer, *Parandra brunnea*, 21, 201-202
brunnea, '05, 258; '21, 201-202
Parasa chloris, '02, 112
Paratenodera sinensis, '03, 213-214
Paratetranychus bicolor, 22, 338, 340
pilosus, '20, 184-189; '21, 118, 146-152; '22, 273, 275, 333-338; '23, 228, 231; '24, 231, 286, 304-305; '25, 220
ununguis, '22, 273, 338, 340-342; '25, 229

- Parenthesis lady beetle, *Hippodamia parenthesis*, '17, 298
Paria aterrimus, '21, 195
canellus, *Typophorus canellus*, '04, 216; '21, 195
gilvipes, '21, 195
quadrinotatus, '21, 195
 Paris green, '01, 263, 270, 273, 274; '02, 147, 148, 172, 173; '03, 275; '07, 321, 326-331; '08, 767, 824
Parlatoria pergandii, '05, 245
 Parsley stalk weevil, *Listronotus latiusculus*, '13, 252
 Parsnip leaf miner, *Acidia fratria*, '24, 234
 webworm, *Depressaria heracliana*, '19, 192
 Pea aphid, *Illinoia* (*Nectarophora*, *Macrosiphum*) *pisi*, '01, 238, 276; '03, 212, 276; '13, 185, 235-237, 250; '19, 200; '22, 276, '23, 233; '24, 228, 234, 319; '25, 226, 227, 295-298
 weevil, *Bruchus pisorum*, '17, 332-333, 343, 344
 Peach, '05, 200, 216
 aphid, *Myzus persicae*, '15, 191; '16, 99, 104; '17, 293; '25, 222, 327
 borer, *Synanthedon* (*Sanninoidea*) *exitiosa*, '03, 217, 221, 274; '09, 359-362; '13, 188; '17, 358; '21, 120; '22, 331-333; '23, 229, 276-277
 moth, *Anarsia lineatella*, '17, 318; '18, 299, 300, 306-311, 341; '23, 285
 Oriental. See Oriental peach moth
 sawfly, *Pamphilus persicum*, '06, 235, 305; '07, 285-300; '08, 767; '10, 664; '11, 314-315; '12, 238, 239
 scale, West Indian, *Aulacaspis pentagona*, '13, 188, 240-242
 twig borer, *Anarsia lineatella*, '17, 318, 359; '18, 299, 306-311, 341; '23, 285
 yellows, '13, 188
 Pear borer, sinuate, *Agrilus sinuatus*, '17, 361; '20, 193-196; '24, 231
 common, '05, 209, 218
 injured by weevil, '08, 845
 leaf blister mite, *Eriophyes pyri*, '08, 770; '10, 700-701; '23, 231; '24, 238; '25, 220, 237
 midge, *Contarinia pyrivora*, '13, 239-240
 psylla, *Psylla pyricola*, '01, 277; '03, 212, 220, 221, 222, 262-266, 275; '04, 206, 208, 213; '06, 207; '14, 195; '22, 276; '23, 231; '24, 232, 286; '25, 221, 292-295
 slug, *Caliroa cerasi*, *Eriocampoides limacina*, '06, 300; '20, 199-201; '25, 322
 Pegomyia brassicae (Phorbia). See *Hylemyia brassicae*
 calyptrata, '22, 370
 ceparum (Phorbia). Now *Hylemyia antiqua*, '04, 214; '11, 286-292; '21, 162
 cinerella (Phorbia), *Hylemyia cinerella*, '05, 212, 218; '24, 315
 fusiceps (Phorbia) *Hylemyia cilicrura*, '05, 211, 212, 213, 215, 216, 218, 219, 223; '21, 121, 161-163; '23, 232; '24, 315; '25, 325
 hyoscyami (vicina), '02, 174; '21, '162; '24, 233; '25, 226
 rubivora (Phorbia), '02, 110, 167-168
 Pelargonium zonale, '14, 196
 Pelidnota punctata, '06, 300
 Pemphigus populicaulis, '04, 209
 tessellatus (acerifolii) (*Prociophilus*), '03, 219; '05, 255; '15, 187; '23, 235
 Pentacnemus bucculatricis, '21, 158-159
 Pentilia misella, '02, 113, 128-129
 Peridroma saucia, '01, 261-264
 Perilampus hyalinus, '21, 169
 sp., '15, 130
 Periodical cicada, *Tibicen septendecim*, '03, 214; '11, 296-305; '20, 211
 Periplaneta americana, '21, 188
 australasia, '17, 304
 Peronoplasmopara cubensis, '17, 264
 Pestalozzi guelpini, '15, 93; '16, 77; '17, 242
 Pests found in nurseries, '13, 187-188; '15, 89; '16, 72; '17, 237; '18, 255-256; '19, 119; '20, 140; '21, 122-123; '22, 279; '23, 242; '24, 238-239; '25, 237
 on imported nursery stock, '10, 668; '11, 274; '13, 193-194; '14, 124-126; '15, 93-94; '16, 76-78; '17, 241-242; '18, 261-262; '19, 127-128; '20, 144; '21, 126-127; '22, 284; '23, 246-247; '24, 245; '25, 246
 Pezomachus minimus, '14, 168
 Phaeogenes, '18, 303
 Phalonia rutilana, '12, 295; '15, 138
 Phanerotoma tibialis, '12, 258

- Pharaoh's ant, *Monomorium pharaonis*, '17, 234, 235, 309, 314-315; '22, 364
- Phaseolus, '18, 320
- Phasgonophora sulcata, '22, 361
- Phenacoccus acericola (*Pseudococcus aceris*), '04, 210; '05, 226-230, 236, 255; '06, 297; '10, 664; '11, 268, 345; '12, 217; '22, 277; '23, 234; '25, 228
- Phengodes laticollis, '03, 219, 270 sp., '03, 220, 268-271
- Philosamia cynthia, '17, 362
- Phlegethontius quinquemaculata, '06, 269-271
 sexta, '06, 269-271, 299
- Phloeosinus dentatus, '10, 708
- Phlyctaenia ferrugalis (*rubigalis*), '09, 369-370; '16, 141
- Phobetron pitheciun, '01, 238, 239, 273-274; '04, 211; '05, 257
- Pholisora catullus, '04, 209
- Phorbia brassicae. See *Hylemyia brassicae*
 ceparum. See *Pegomyia ceparum*
 rubivora. See *Pegomyia rubivora*
- Phormia regina, '05, 212, 215
- Phorocera claripennis, '25, 324
- Photuris pennsylvanica, '04, 208
- Phoxopterus comptana. See *Ancylicylis comptana*
- Phthorimaea (*Gelechia*) operculella, '06, 277
- Phyllaphis fagi, '03, 218; '06, 297; '23, 235
- Phyllocactus, '15, 140
- Phyllocoptes, '14, 192-193
- Phylloecus integer (*flaviventris*). See *Janus integer*
- Phyllophaga (*Lachnosterna*) sp., '25, 227
- Phyllosticta aucubicola, '16, 77 sp., '17, 242; '18, 262
- Phyllotreta sinuata, '05, 211
- Phylloxera caryaecaulis, '03, 218, 219; '04, 208; '06, 297; '14, 189; '16, 145; '25, 228
 vastatrix (*Grape phylloxera*), '05, 255
- Physostegia, attacked by borer, '18, 348-349
- Phytomyza chrysanthemii, '11, 342; '15, 188
- Phytonomus punctatus, '13, 255
- Phytophaga violicola, '21, 152-156
- Picea excelsa, '19, 147
 rubens, '19, 147
- Pieris napi oleracea, '03, 271
 protodice, '12, 293
 rapae, '03, 271-272; '08, 768; '10, 706; '12, 293; '17, 358; '18, 261; '22, 376; '24, 234; '25, 224
- Pigeon horntail or tremex, *Tremex columba*, '02, 113; '22, 353
- Pike fish, *Lucius americanus*, '04, 308
- Pimpla conquisitor. See *Scambus conquisitor*
 inquisitor. See *Scambus inquisitor*
- Pine aphid, *Lachnus strobi*, '03, 222
 woolly, *Chermes pinicorticis* and *C. pinifoliae* (*Pine bark aphid*), '11, 343; '12, 217; '19, 155-160
 blister rust, '13, 188; '17, 236; '18, 256
 leaf scale, *Chionaspis pinifoliae*, '02, 110; '03, 223; '05, 240, 256; '06, 297; '07, 334-335; '21, 181-182; '23, 235; '25, 228
 mite, European, *Eriophyes pini*, '25, 322-323
 moth, Nantucket, '14, 194
 sawfly, imported, *Neodiprion* (*Diprion*) *simile*, '15, 87, 89, 118-125, 182; '17, 273-290; '23, 234, 242; '24, 236; '25, 229
 shoot moth, European, *Evetria buoliana*, '14, 193-194; '15, 89; '23, 235, 311; '24, 236, 339
 tip moth, *Pinipestis zimmermani*, '16, 122-125; '19, 148
 tube moth, *Eulia pinatubana*, '19, 201; '20, 210
 weevil, red, *Pissodes approximatus*, '17, 365-366; '19, 146
 white, *Pissodes strobi*, '02, 112; '05, 258; '11, 263, 268, 307-309; '12, 213; '13, 186; '14, 173-176; '15, 87, 134-136; '16, 123; '19, 144-155; '23, 234; '24, 239; '25, 237, 238
- Pinipestis zimmermani, '16, 122-125; '19, 148
- Pinus cembra, '15, 121; '16, 124; '17, 278
 densiflora, '15, 121; '17, 278
 divaricata, '19, 147
 excelsa, '15, 121; '16, 124; '17, 278
 flexilis, '15, 121; '17, 278
 Koraiensis, '15, 121; '17, 278
 laricio Austriaca, '15, 121; '17, 278
 montana, '15, 94, 121; '17, 278

- ponderosa, '17, 278
 resinosa, '16, 124; '17, 278; '19, 146
 rigida, '17, 278; '19, 147
 rubra, '16, 124
 strobilus, '15, 121; '16, 124; '17, 278; '19, 147
 sylvestris, '15, 121; '16, 124; '17, 278; '19, 147
 Piophilina casei, '05, 212, 213, 215, 216, 218, 219, 223; '17, 339, 344
 Pipiza albipilosa, '05, 212
 femoralis, '05, 212
 Pissodes affinis, '19, 146
 approximatus, '17, 365-366; '19, 146
 strobi, '02, 112; '05, 258; '11, 263, 268, 307-309; '12, 213; '14, 173-176; '15, 134-136; '16, 123; '19, 144-155; '23, 234
 Pith worm, '06, 277
 Pit-making oak scale, *Asterolecanium variolosum*, '03, 218; '05, 235; '13, 187; '25, 228
 Pityophthorus ramiperda, '22, 369
 Plagiodera versicolora, '21, 196; '22, 277; '23, 234; '25, 229
 Plagionotus speciosus (*Glycobius*), '01, 278; '02, 111; '03, 221; '07, 336-337; '10, 664; '22, 351-355
 Plant bug, tarnished, *Lygus pratensis*, '04, 209, 210, 218-219; '05, 211, 213, 256; '06, 276; '13, 256; '16, 140-141; '23, 231; '25, 226
 Plasmodium malariae, '04, 254
 Plathypena scabra, '08, 769, 828-832; '19, 165-170; '20, 210
 Platychirus hyperboreus, '05, 215, 218
 Platygaster, '08, 786
 Platynus placidus, '02, 110
 punctiformis, '08, 822
 Platyphyllum concavum, '03, 274
 Plesiothrips perplexus, '19, 190
 Plochionis timidus, '17, 323
 Plodia interpunctella, '05, 252-254, 256; '17, 335-336
 Plowrightia morbosa, '13, 188
 Plum curculio, *Conotrachelus nenuphar*, '03, 274; '04, 207, 219-221; '12, 245, 246, 247; '19, 199; '20, 176; '22, 275; '23, 228, 229, 231; '24, 229, 232; '25, 221, 286-291
 Japanese, '05, 209, 214
 scale, New York, '03, 223; '05, 238. See *Lecanium corni* wild, '05, 214
Plusia brassicae, (*Autographa*), '01, 236; '10, 706-707; '10, 665, 706-707; '11, 328; '17, 358; '22, 376; '24, 234
Podabrus basilaris, '06, 300
Podisus maculiventris (*spinosus*), '08, 769, 822; '17, 323; '21, 174
Podosesia syringae, '04, 211; '05, 260
Poecilocapsus lineatus, '02, 111; '03, 219; '05, 256; '06, 297; '14, 189-190; '23, 236
Polistes pallipes, '21, 174
Pollenia rudis, '10, 710
Polychrosis viteana, '20, 206-207
Polydesmus canadensis, '03, 270
Polydrusus impressifrons, '15, 188
Polygonia comma, '24, 237
 interrogationis, '14, 187
Polygonum persicaria, '18, 320; '19, 177
 sp., '19, 175, 176, 177, 178, 187
Pontia. See *Pieris*
Popillia japonica, '22, 345; '23, 293; '25, 311
 Poplar beetle, *Plagiodera versicolora*, '21, 196; '22, 277; '23, 234; '25, 229
 borer, *Saperda calcarata*, '07, 336
 canker, '23, 240, 241; '25, 237, 238
 curculio, *Cryptorhynchus lapathi*, '07, 335; '25, 229
 girdler, *Saperda concolor* var. *unicolor*, '18, 347
 leaf beetles, *Lina interrupta* and *L. scripta*, '10, 707; '18, 256
 mocha-stone moth, *Melalopha (Ichthyura) inclusa*, '10, 710; '11, 310-311
 sawfly, *Trichocampus viminalis*, '13, 256
 stem gall, *Pemphigus populicaulis*, '04, 209
 weevil, *Cryptorhynchus lapathi*, '07, 335; '13, 188; '25, 229
Porthetria dispar, '05, 246-251; '06, 235-260; '07, 300-312; '08, 772-777; '09, 336-343; '10, 671-683; '11, 277-280; '12, 216, 224-229; '13, 188, 198-204; '14, 129-134; '15, 99-111; '16, 83-96; '17, 246-258; '18, 272-290; '19, 135-144; '20, 151-168; '21, 132-145; '22, 290-326; '23, 253-267; '24, 254-276; '25, 253-272

- Potassium sulphide, '03, 255
- Potato aphid, *Macrosiphum* (*Nectarophora*) *solanifolii*, '12, 294; '15, 191; '16, 104; '17, 236, 290-302, 357; '18, 253, 294-297; '19, 197, 199; '20, 182-183; '21, 122; '22, 276; '23, 233; '24, 234, 243; '25, 226
- beetle, Colorado, *Leptinotarsa decemlineata*, '03, 212, 275; '04, 212; '08, 768; '11, 311-313; '13, 250; '14, 186, 190; '18, 341; '22, 276; '25, 224
- beetle, three-lined, *Lema trilineata*, '08, 844; '18, 342-343
- fly-beetle, *Epitrix cucumeris*, '04, 208; '05, 211, 258; '06, 272; '18, 342; '19, 197; '21, 198-199; '23, 233; '24, 233; '25, 224
- stalk weevil, *Trichobaris trinitata*, '06, 277
- Potter wasp, *Eumenes fraterna*, '08, 786
- Powder post beetle, *Lyctus unipunctatus* (*striatus*), '06, 234, 300
- Praying mantis, *Stagmomantis carolina*, '08, 822; '17, 323
- Prenolepis imparis*, '05, 220
- Prionidius cristatus*, '09, 351; '17, 323
- Prionoxystus robiniae*, '05, 257
- Prionus*, broad-necked. See *Prionus laticollis*
- laticollis* (*brevicornis*), '02, 111; '05, 258; '06, 300
- lesser, *Orthosoma brunneum*, '01, 238; '02, 111; '03, 221; '04, 209; '05, 258
- Priophorus acericaulis*, '06, 221, 295-296; '07, 298; '10, 708; '11, 266, 305-307
- Pristiphora grossulariae*, '02, 170
- Privet injured by lilac borer, '05, 260
- Prociphilus tessellata*, (*Pemphigus*) (*acerifolii*), '03, 219; '05, 255; '15, 187; '23, 235
- Promethea moth, *Callosamia* (*Attacus*) *promethea*, '02, 109; '03, 219; '06, 299; '13, 254
- Prosopis affinis*, '05, 220
- pygmaea*, '05, 220
- Prospaltella perniciosi*, '15, 184
- Proteosoma*, '04, 256
- Protoparce quinque maculatus* (*ce-leus*), (*Phlegethontius*), '06, 269-271
- sexta* (*carolina*) (*Phlegethontius*), '02, 112; '06, 269-271
- Prunus avium*, '05, 209, 215
- cerasus*, '05, 243
- persica*, '05, 209, 216
- triloba*, '05, 209, 214
- sp., '13, 240
- Psenocerus supernotatus*, '03, 272-273
- Pseudaonidia paeoniae*, '16, 77
- Pseudocneorrhinus setosus*, '23, 313-314
- Pseudococcus aceris*. See *Phenacoccus acericola*
- citri* (*Dactylopius*), '02, 108, 111; '05, 236
- kraunhia*, '24, 338
- longispinus*, '05, 236
- Pseudomonas tumefaciens*, '17, 241. See crown gall
- Psylla buxi*, '15, 186
- pyricola*, '01, 277; '03, 212, 220, 221, 222, 262-266; '04, 206, 208, 213; '06, 297; '14, 195; '22, 276; '23, 231; '24, 232, 286; '25, 221, 292-295
- Psyllids*, '15, 186
- Pterodela pedicularis*, '17, 361
- Pteromalus boucheanus* (*Dibrachys*), '17, 323; '18, 303
- cuproideus*, '16, 110
- egregius*, '20, 163; '22, 317
- verditer* (*Dibrachoides*), '17, 283, 284, 287
- Pteronarcys nobilis*, '04, 210
- Pteronus*. See *Pteronidea*
- Pteronidea ribesi* (*Pteronus*), '02, 170-172; '05, 210; '08, 768; '25, 218
- Pterostichus lucublandus*, '05, 258; '08, 844
- vulgaris*, '19, 125
- Pulex serraticeps*, '05, 257
- Pulvinaria acericola*, '05, 237
- vitis* (*innumerabilis*), '05, 237, 255; '06, 297; '13, 188, 252; '21, 179-181; '25, 227
- Pumps, spray, '01, 248, 253; '03, 203, 232, 239, 243; '04, 247-252
- Purple scale, *Lepidosaphes beckii* (*Mytilaspis citricola*), '02, 108; '05, 244
- Putnam's scale, *Aspidiotus ancyclus*, '01, 236, 237; '02, 110; '05, 241; '06, 297

- Pycnoscelus obscurus*, '17, 306
surinamensis (*Leucophaea*), '17,
 234, 302-313; '18, 253, 311-313;
 '24, 236, 337
Pyralis farinalis, '17, 337; '19, 127
Pyramidal caterpillar, *Pyrophila*
pyramidoides, '08, 848
Pyrausta ainsliei, '19, 172, 173-180,
 197
nubilalis, '18, 316-327; '19, 118,
 170-173, 174, 175, 176, 179; '20,
 196-198; '22, 367-369; '23, 230,
 233, 277-284; '24, 277-282; '25,
 224, 303-308
penitalis, '19, 172, 176, 177
Pyrethrum, '03, 272; '04, 215
Pyrophila pyramidoides, '08, 848
Pyrus communis, '05, 209, 218
malus, '05, 209, 217
 Quarantines, brown-tail moth, '13,
 221; '14, 135; '15, 111; '18, 275;
 '19, 143; '20, 165-166
 European corn borer, '20, 197;
 '23, 280-281; '24, 281
 gipsy moth (Federal), '15, 100;
 '18, 275; '19, 143; '20, 165-
 166; '21, 132, 145; '22, 319,
 320; '23, 254; '24, 272-275
 (State), '20, 165-166; '21, 145;
 '22, 318-320; '24, 272-275
Quedius molochinus, '08, 822
Quercus robur, '05, 235
 Quince, '05, 209, 219
curculio, *Conotrachelus crataegi*,
 '01, 239; '02, 111; '25, 221, 324
 Rabbit bot fly, *Cuterebra cuniculi*,
 '07, 338
 Railroad worm. See Apple maggot
 Raspberry anthracnose, '13, 188
 beetle, American, *Byturus uni-*
color, '05, 220, 258; '18, 329;
 '21, 118; '22, 272; '25, 222, 302
 cane borer, *Oberea bimaculata*,
 '22, 276
 maggot, *Pegomyia* (*Phorbia*)
rubivora, '02, 110, 167-168
 fruit worm, *Byturus unicolor*, '05,
 220, 258; '18, 329; '21, 118; '23,
 228; '25, 222, 302
 mosaic, '23, 242; '24, 239, 243;
 '25, 242
 moth, *Synchlora glaucaria*, '02,
 112
 red, '05, 209, 220
 sawfly, *Monophadnoides rubi*,
 '08, 846; '18, 329-331
Raupenleim, '18, 279, 282, 284
Recurvaria piceaella, '23, 235, 311
 Red ant, little. See Pharaoh's ant
 -banded leaf roller, *Eulia veluti-*
nana, '20, 176, 212; '21, 120;
 '25, 220, 298-301
 bug, apple. See Apple red bug,
 false
 cedar bark beetle, *Phloeosinus*
dentatus, '10, 708
 -humped caterpillar, *Schizura*
concinna, '01, 238, 274; '02, 112;
 '05, 257; '06, 298; '12, 216; '17,
 329-330, 358; '23, 232; '25, 220
 lady beetle, *Cycloneda munda*
 (*Coccinella sanguinea*), '17,
 298
 -legged grasshopper, *Melanoplus*
femur-rubrum, '23, 233; '25, 322
 ham beetle, *Necrobia rufipes*,
 '17, 339, 344
 mite, European, *Paratetranychus*
pilosus, '20, 184-189; '21, 118,
 146-152; '22, 273, 275, 333-338;
 '23, 228, 231; '24, 231, 280, 304-
 305; '25, 220
 pine weevil, *Pissodes approxi-*
matus, '17, 365-366; '19, 146
 spider, '01, 271, 273; '03, 216; '04,
 209, 210; '14, 125, 192; '20, 184
 -tailed fly, *Winthemia quadripus-*
tulata, '12, 286; '14, 167, 168,
 170; '16, 110, 122; '21, 169
 weevil or wheat midge, *Conta-*
rinia tritici, '17, 357, 366-367
Reduvius novenarius, '08, 822
 Resplendent shield bearer, *Copto-*
disca splendoriferella, '21, 198
Reticulitermes flavipes (*Termes*,
Leucotermes), '21, 200; '22, 365,
 366; '23, 237; '25, 230
Retinospora ericoides, '13, 230
Rhabdophaga salicis, '22, 284, 370-
 371
Rhagoletis pomonella (*Trypeta*),
 '05, 260; '16, 138; '17, 358; '21,
 120; '22, 275; '23, 231; '25, 222
Rhamphomyia brevis, '05, 212
nana, '05, 211
Rhizobius ventralis, '21, 180
Rhizoglyphus hyacinthi (*echino-*
pus), '15, 190; '19, 117, 127
Rhodites gracilis, '15, 184
radicum, '01, 237
rosae, '04, 210
Rhododendron, '13, 231; '14, 117,
 125, 126; '15, 93, 94
 borer, *Sesia rhododendri*, '22, 278,
 347-351; '23, 237

- Rhododendron lace bug, *Leptobrysa rhododendri* (explanata), '10, 708-709; '21, 200-201
- Rhopaligus suspensus, '19, 151
- Rhopalomyia grossulariae, '13, 254-255
- Rhopalosiphum violae, *Myzus violae*, '03, 216
- Rhopobota vacciniaria, '02, 111
- Rhysematus lineaticollis, '24, 336
- Ribes nigrum, '05, 209, 213
- oxyacanthoides, '05, 209, 210, 221
- rubrum, '05, 209, 211; '20, 203
- Rice weevil, *Calendra oryzae*, '06, 279; '17, 335, 344
- Roach, American, *Periplaneta americana*, '21, 188
- German, *Blatella germanica*, '21, 188-189; '25, 229
- Robber fly, *Erax bastardi*, '03, 221
- Romaleum atomarium, '03, 221
- Root, hairy, '15, 93
- maggot, cabbage. See Cabbage maggot
- Rosa carolina, '15, 183
- rubiginosa, '15, 93; '16, 78
- Rose aphid, *Nectarophora rosae*, '04, 208
- chafer, *Macroductylus subspinosus*, '05, 258, 259; '06, 300; '12, 216; '16, 111-115; '17, 357; '18, 342; '22, 276, 374-375; '23, 231
- green, *Euphoria aurata*, '09, 374
- gall, mossy, *Rhodites rosae*, '04, 210
- wild, *Rhodites gracilis*, '15, 183-184
- leaf beetle, *Nodonota puncticolis*, '08, 845; '23, 236
- folder, *Archips rosana*, '13, 185, 223-226; '15, 185
- hopper, *Empoa* (*Typhlocyba*) *rosae*, '04, 208; '20, 172, 173; '23, 231
- midge, *Dasyneura rhodophaga*, '22, 372
- scale, *Aulacaspis rosae*, '02, 109, 113; '03, 217, 219; '05, 241, 256; '06, 207; '13, 188, 241, 242
- stem borer, *Adirus trimaculatus*, '22, 372
- girdler, *Agrilus viridis* var. *fagi*, '25, 325
- Rosy apple aphid. See Apple aphid, rosy
- Round-headed apple borer. See Apple borer, round-headed
- Rubus nigrobaccus*, '05, 209, 220
- strigosus*, '05, 209, 220
- Rudbeckia aphid, *Nectarophora rudbeckiae*, '03, 220; '04, 209
- Rumex, '18, 320
- Rush salt grass, '04, 289
- Rust on juniper, '11, 274; '13, 188, 194
- Rust-red flour beetle, *Tribolium ferrugineum*, '17, 334, 343
- Rusty tussock moth, *Notolophus* (*Hemerocampa*) *antiqua*, '06, 235, 298; '14, 126
- Sacbrood or pickled brood, '11, 276; '12, 224; '13, 197; '14, 129; '15, 97, 99; '16, 83; '17, 246; '18, 266; '19, 134; '20, 150; '21, 131; '22, 290; '23, 252; '24, 253; '25, 249
- Saddleback caterpillar, *Sibine* (*Empretia*) *stimulea*, '01, 239, 273; '02, 112, 113; '03, 221; '04, 210; '05, 257; '14, 188
- Saddled prominent, *Heterocampa guttivitta*, '18, 343-344
- Saissetia filicum (hemisphaerica), '04, 206, 207; '05, 239; '06, 297; '14, 125
- nigra, '15, 94
- Salicornia herbacea, '15, 172
- Salt marsh area in Connecticut, '12, 261-263
- caterpillar, *Estigmene acraea*, '18, 342
- grasses, '04, 288-290; '15, 172-179
- Samia cecropia, '02, 108, 112; '04, 211; '05, 257; '06, 299
- San José scale, *Aspidiotus perniciosus*, '01, 236, 237, 238, 239, 240-261; '02, 100, 101, 103, 106, 108, 109, 110, 112, 113, 114-125, 130-138; '03, 216, 217, 221, 222, 223, 233-257, 258, 275, 276, 278; '04, 206, 207, 208, 209, 210, 211, 221-253; '05, 196-207, 242-243, 256; '06, 279-291, 298; '08, 768; '10, 658, 665, 691-692; '11, 268; '12, 217; '13, 187, 254; '14, 119, 188; '15, 182, 184; '21, 120; '22, 276, 329-331; '23, 231; '24, 286; '25, 223, 238
- Discovery and distribution in Connecticut, '01, 240-241
- Sanninoidea exitiosa. See Synanthedon exitiosa

- Saperda calcarata*, '07, 336
candida (*bivittata*), '03, 274, 275;
 '04, 208; '05, 258; '07, 333-334
concolor var. *unicolor*, '18, 347
vestita, '13, 256; '15, 186
- Sarcophaga helioides*, '05, 212, 217,
 223
- Sawfly on arbor-vitae, *Monoctenus*
juniperinus, '24, 336
 ash, '04, 217
 birch, '02, 177; '24, 236
 cherry, '05, 258; '06, 306
 honeysuckle, *Abia americana*,
 '24, 236, 341
rudbeckia, *Macrophya* simil-
 lima, '24, 342; '25, 323-324
- Saw-toothed grain beetle, *Silvanus*
surinamensis, '17, 334-335, 341,
 344
- Sayomyia ameritana*, '04, 271
- Scale insects of Connecticut, '05,
 234-245
- Scalecide*, '06, 222, 281, 285, 286,
 287, 289, 290; '07, 282
- Scambus conquisitor* (*Pimpla*), '13,
 228; '16, 109
inquisitorius (*inquisitor*), '02,
 144; '16, 109
marginatus (*annulipes*), '16, 109
- Scatophaga stercoraria*, '05, 211,
 212, 213, 215, 218, 223
- Schedius kuvanae*, '17, 250; '21, 143;
 '22, 314, 315; '24, 270, 271
- Schizomyia pomum*, '16, 146
- Schizoneura americana* (*Eriosoma*),
 '03, 219; '04, 208; '05, 255; '06,
 207
lanigera. Now *Eriosoma lanig-*
erum, '03, 217; '06, 297; '11,
 343-344; '13, 188; '24, 232, 286,
 308-311
pinicola, '05, 255
- Schizotetranychus schizopus*, '22,
 339-340
- Schizura concinna* (*Edemasia*), '01,
 238, 274; '02, 112; '05, 257; '06,
 298; '12, 216; '17, 329-330, 358;
 '23, 232; '25, 220
unicornis, '03, 220; '18, 343
- Schmitt boxes, '03, 202
- Schreineria zeuzerae*, '11, 328
- Sciadopitys verticillata*, '15, 140
- Sciara ocellaris* (*Cecidomyia*), '04,
 207
- Scirpus*, '15, 146
- Sclerotina fuckliana*, '14, 125
- Scolia manilae*, '22, 346; '23, 293
- Scolytus quadrispinosus* (*caryae*)
 (*Eccoptogaster*), '01, 267-270;
 '02, 169; '03, 278; '11, 341; '13,
 237; '14, 198
rugulosus, '02, 111, 112; '03, 220,
 221, 222; '05, 258; '06, 299; '13,
 188
- Scopelosoma moffatiana*. See *Co-*
nistra indirecta
- Scudderia curvicauda*, '05, 255
furcata, '14, 187; '19, 200
septentrionalis, '06, 274
texensis, '06, 274
- Scurfy scale, *Chionaspis fufura*,
 '01, 236, 237, 238, 239; '02, 108,
 109, 110, 111, 112, 113; '03, 216,
 217, 222, 225-229; '04, 206, 208,
 209, 210, 211; '05, 240, 256; '06,
 297; '12, 217; '13, 188; '25, 223
- Scutigera forceps*, '01, 239; '03, 222;
 '23, 236
- Searcher, *Calosoma scrutator*, '01,
 237; '06, 252, 262, 300; '08, 786;
 '14, 167; '17, 323
- Seed corn maggot. See Corn mag-
 got
- Selandria cerasi*, '03, 274
obsoletum, '07, 286
- Senator moth, *Anisota senatoria*,
 '02, 112, 175; '03, 221; '05, 257;
 '06, 299
- Sepsis violacea*, '05, 212, 215
- Sesia acerni*. See *Synanthedon*
acerni
pyri, '20, 211
rhododendri, '22, 278, 347-351;
 '23, 237
tipuliformis, '03, 272
- Setaria glauca*, '18, 320
italica, '18, 320
- Seventeen-year locust, *Tibicen sep-*
tendecim, '11, 296-305; '20, 211
- Sheep bot, *Oestrus ovis*, '20, 213
- Shell-bark hickory, '12, 247
- Shield bearer, resplendent, *Copto-*
disca splendoriferella, '21, 198
- Shot-hole borer, *Scolytus rugulo-*
sus, '13, 188
- Shrimps and mosquito larvae, '04,
 307
- Sibine stimulea* (*Empretia*), '01,
 239, 273; '02, 112, 113; '03, 221;
 '04, 210; '05, 257; '14, 188
- Silk worm, American, *Telea poly-*
phemus, '04, 210; '05, 257; '06,
 299
- Silvanus surinamensis*, '09, 365; '17,
 334-335

- Silver fish, *Thermobia domestica*, '16, 139-140
 -striped webworm, *Crambus praeffectellus*, '19, 183-185; '24, 233
 Sinuate pear borer. See Pear borer, sinuate
Sisymbrium officinale, '14, 146
Sisyropa, '16, 110
Sitodrepa panicea, '01, 236; '06, 279; '17, 334; '19, 128; '21, 194; '25, 230
Sitotroga cerealella, '17, 337-338
 Skeletonizer, apple and thorn. See Apple and thorn skeletonizer
 birch leaf. See Birch bucculatrix
 Slug caterpillar, '02, 112
 Slugs, garden, '18, 333-336
Smerinthus jamaicensis, '06, 299
Smicra albifrons (Chalcis), '14, 168
Smilax rotundifolia, '14, 183
 sp., '16, 113
Sminthurus hortensis, '22, 376-377
 Snapdragon injured by mite, '14, 176-178
 Snout beetles, '13, 232, 238
 Snow-white linden moth, *Ennomos subsignarius*, '08, 842
 Snowy tree cricket, *Ecanthus niveus*, '01, 237, 277; '02, 109
 Soap as insecticide, '01, 253, 271, 272; '02, 114, 115, 125, 162; '03, 232
 whale oil, '01, 247, 251; '02, 122, 161; '03, 232
 Soft scale, *Coccus hesperidum*, '05, 237; '13, 194; '14, 125
Solanum tuberosum, '18, 320
 Soldier beetle, *Telephorus carolinus*, '03, 222
 bug, *Euschistus servus*, '14, 167; '17, 323
 bordered, *Stiretrus anchorago*, '21, 174
 spined, *Podisus maculiventris* (spinosus), '08, 769, 822; '21, 174
Solidago sempervirens, '08, 844
 Soluble oil, '07, 282; '08, 837, 840
 Sorrel leaf-miner, *Pegomyia calyptrata*, '22, 369-370
 Sour gum leaf-miner, *Antispila nyssaefoliella*, '22, 369
 Southern corn root worm. See Corn root worm, Southern
 Span worm, currant, *Cymatophora ribearia*, '10, 710
 lime-tree, *Erannis tiliaria*, '15, 184; '24, 231, 311-314
Spartina glabra pilosa, '15, 172
 patens (juncea), '04, 289; '15, 146, 172
 stricta, '04, 289
Spathius brachyurus, '19, 151
Sphaerophoria cylindrica, '17, 299
Spharagemon saxatile, '05, 255
Sphecius speciosus, '11, 303
Sphecodina abbotti (Thyreus), '02, 111; '06, 299
Sphenophorus sculptilis, '14, 189
Sphinx chersis, '06, 299
 drupiferarum, '06, 299
 luscitiosa, '04, 208
 Spike grass, '12, 265
Spilocryptus incubitor, '15, 131
 sp., '18, 303
Spilosoma virginica. See *Diacrisia virginica*
 Spinach or green peach aphid, *Myzus persicae*, '15, 191; '16, 99, 104; '17, 293; '25, 222, 327
 leaf-miner or maggot, *Pegomyia hyoscyami* (vicina), '02, 174; '21, 162; '24, 233; '25, 226
Spinacia oleracea, '18, 320
 Spined tobacco bug, *Euschistus variolarius*, '06, 264, 274-275
 Spiny elm caterpillar. See Elm caterpillar, spiny
 oak-worm, *Anisota stigma*, '02, 175-176
 Spiraea, '01, 245, 246; '14, 126
Spirobolus marginatus, '03, 218
 Spittle insects, '13, 255; '22, 272; '24, 307-308
 parallel, *Aphrophora parallela*, '16, 125-126
 Split worm, *Phthorimaea operculella*, '06, 277
Sporotrichum globuliferum (entomophilum), '08, 821
 Spotted lady beetle, *Ceratomegilla* (*Megilla*) *fuscilabris* (maculata), '04, 206; '06, 300; '17, 298; '19, 158; '21, 169, 174
 Spray formulas, '01, 248, 249, 253; '04, 224, 240-247; '05, 196-197, 205
 Spraying costs, '03, 235; '05, 205-206
 elm trees, '09, 334-335
 experiments, '01, 252-261; '20, 168-177; '23, 267-274; '24, 286-294; '25, 272-278

- Springtails, '10, 712; '22, 376-377
- Spruce bud louse or gall aphid, *Chermes abietis*, '02, 110; '03, 222; '04, 207; '05, 255; '06, 297, 302-303; '13, 188; '16, 139; '22, 357-359; '23, 240-241; '24, 238; '25, 228, 237
- moth, *Tortrix fumiferana*, '12, 291-292; '13, 251
- leaf-miner, *Recurvaria picea-ella*, '23, 235, 311
- mite, *Paratetranychus ununguis*, '22, 273, 338, 340-342; '25, 229, 237
- Squash aphid, *Nectarophora cucurbitae*, '08, 805, 814
- borer, *Melittia satyriniformis*, '08, 805, 806-807; '16, 116-118; '23, 233; '25, 224
- bug, *Anasa tristis*, '08, 805, 811-813; '16, 116; '17, 357; '23, 233; '25, 226
- lady beetle, *Epilachna borealis*, '01, 238; '03, 217; '08, 805, 810-811
- Squirrels injuring elms, '02, 163-164
- Stag beetle, *Lucanus dama*, '06, 300
- Stagmomantis carolina, '08, 822; '17, 323
- Stalk borer, *Papaipema nitela*, '04, 208; '05, 257; '06, 277; '14, 195-196; '18, 318, 346-347; '19, 180-183; '20, 196, 210; '21, 194; '22, 276; '23, 232; '24, 233; '25, 224
- Statice limonium var. carolinianum, '15, 172
- Stegomyia fasciata*, '04, 259
- Stenolophus skrimshirani*, '18, 262
- Stiretrus anchorago*, '21, 174
- Stratiomyia discalis*, '05, 214
- Strawberry, '05, 209, 220; '12, 295
- crown borer, *Tyloclerum fragariae*, '12, 295
- girdler, *Otiorynchus ovatus*, '09, 370-372; '13, 231
- flea beetle, *Altica* (*Haltica*) *ignita*, '02, 112; '22, 369; '24, 338
- leaf roller, *Ancyliis* (*Phoxopteris*) *comptana*, '02, 111; '03, 220, 278
- root borer or root worm, *Typhophorus* (*Paria*) *canellus*, '04, 215-216; '15, 186
- sawfly, *Empria* (*Emphytus*) *Harpiphorus* *maculata*, '02, 110; '03, 218; '05, 258
- weevil, *Anthonomus signatus*, '08, 846
- white fly, *Asterochiton* (*Aleyrodes*) *packardii*, '14, 188
- Striped crioceris, *Diatroica vittata*, '17, 263
- cucumber beetle. See Cucumber beetle, striped
- Strongylogaster pinguis*, '06, 300, 306
- Sturmia nidicola* (*Zygothria*), '17, 250; '20, 164; '22, 316
- Suck fly, *Dicyphus minimus*, '06, 277
- Sucking dog louse, *Haematopinus piliferus*, '16, 142
- Sulphide of potash, '03, 255
- Sulphuretted hydrogen, '07, 275, 277
- Sulphur flour, '03, 254
- flowers, '03, 254
- Surekill, '06, 222, 281, 285, 287, 289, 290
- Sycamore aphid, *Lachnus platani-cola*, '06, 297
- Synanthedon acerni* (*Sesia*), '22, 353, 355-357
- exitiosa* (*Sanninoidea*), '03, 217, 221; '09, 359-362; '13, 188; '21, 120; '22, 331-333; '23, 276-277
- Synchlora glaucaria*, '02, 112
- Synhalonia atriventris*, '05, 210, 217
- Syntomaspis druparum*, '21, 121, 199
- Syntomosphyrum esurus*, '17, 323
- Syritta pipiens*, '05, 219
- Syrphid flies, '03, 262; '17, 298, 299; '25, 326-327
- Syrphus americana*, '17, 299
- torvus*, '25, 326-327
- sp., '19, 158
- Systema taeniata*, '15, 183
- Tabanus atratus*, '05, 257
- Tachina cliisocampae*, '16, 110
- larvarum, '06, 259
- mella, '10, 680; '16, 110
- sp., '17, 323
- Tachinid flies, '12, 258, 286; '13, 222, 226, 228; '18, 321
- Tachydromia pusilla*, '05, 218, 219, 223
- Tarache erastrioides*, '05, 257
- Tarnished plant bug, *Lygus pratensis*, '04, 209, 210, 218-219; '05, 256; '06, 276; '13, 256; '16, 140-141; '23, 231; '25, 226
- Target brand scale destroyer, '07, 282

- Tarred paper disks, '08, 835-837; '14, 147-150
- Tarsonemus pallidus, '12, 296; '14, 176-179; '21, 196; '23, 237
- Taxus cuspidata var. brevifolia, '13, 230-232
- Telea polyphemus, '04, 210; '05, 257; '06, 299
- Telenomus bifidus, '17, 323
graptae, '06, 262
helioidis, '21, 169
orgyiae, '16, 110
- Telephorus bilineatus, '05, 218
carolinus, '03, 222
- Tenebrio molitor, '17, 331; '19, 128
obscurus, '17, 332
- Tenebroides mauritanicus, '05, 252; '16, 144; '17, 332
- Tenodera sinensis (Paratenodera), '13, 194
- Tent caterpillar, apple. See Apple tent caterpillar
egg contest, '14, 179-180
European. See European lackey moth
Forest. See Forest tent caterpillar
- Tent-maker, poplar. See Mocha-stone moth
- Tenuipalpus lineola, '22, 339
- Terastichus, '05, 230
- Termes flavipes. See Leucotermes flavipes
- Termites or white ants, Reticulitermes flavipes, '09, 373-374; '14, 196-197; '15, 187; '16, 143-144; '21, 200; '22, 365-366; '23, 237; '25, 230
- Terrapin scale, Lecanium nigrofasciatum, '05, 238, 255; '06, 297; '21, 183-185
- Tessellated tussock moth, Halisidota tessellaris, '03, 222; '08, 843; '17, 325-326, 358
- Tetralopha robustella (diluculella), '18, 349-350
- Tetranychus bicolor, '06, 234, 300, 305-306; '08, 770
bimaculatus, '12, 296; '20, 184
bioculatus, Tenuipalpus lineola, '22, 339
populi, '22, 339
salicicola, '22, 339
telarius, '03, 216; '04, 209, 210
- Tetrastichus asparagi, '21, 174
xanthomelaenae, '08, 821-822
- Thalessa atrata, '03, 219; '04, 208; '06, 300
- lunator, '06, 300
- Thea japonica, '15, 140
- Thermobia domestica, '16, 139-140
- Theronia fulvescens, '16, 110
- Thirteen-spotted lady beetle, Hippodamia xiii-punctata, '17, 298
- Thistle butterfly, Vanessa cardui, '05, 260
- Thread scale, Ischnaspis longirostris, '05, 245
- Three-lined potato beetle. See Potato beetle, three-lined
- Thrips tabaci (allii), '03, 213, 266-268; '06, 277, 297; '13, 233-235; '24, 234, 320; '25, 226
grass, Anaphothrips striatus, '19, 190
on corn, '19, 189-190
grape, '03, 274
tobacco, Euthrips nicotianae, '06, 277
- Thyreus abbotti. See Sphecodina abbotti
- Thyridopteryx ephemeriformis, '02, 108, 110; '06, 298; '07, 337-338; '23, 232; '24, 338
- Thysanurids in seeds, '10, 711
- Thysbe clear-wing, Hemaris thysbe, '06, 299
- Tibicen septendecim, '11, 296-305
- Tinea granella, '06, 234, 294-295, 305; '17, 338
pellionella, '22, 337-338
sp., '03, 218
- Tineola biselliella, '05, 256; '25, 230
- Tip borer, Olethreutes hebesana, '18, 348-349
- Tischeria malifoliella, '02, 112; '06, 234, 298; '07, 267; '08, 768
- Tmetocera ocellana, '09, 353-355; '10, 659; '11, 267; '20, 176, 210; '22, 275; '25, 220
- Tobacco bud worm, Chloridea virescens, '09, 367-368
bug, spined, Euschistus variolarius, '06, 264, 274-275
flea-beetle, Epitrix parvula, '06, 272
for fumigating, '02, 160-161
insects, '03, 210; '05, 193-194; '06, 263-279
key to injuries, '06, 263-264
leaf miner, Phthorimaea (Gelechia) operculella, '06, 277
stalk weevil, Trichobaris mucrorea, '06, 277
thrips, Euthrips nicotianae, '06, 277

- worms, Northern, *Phlegethontius quinquemaculata*, '06, 264, 269-271
 Southern, *Phlegethontius sexta*, '06, 269-271, 299
- Tolype velleda*, '06, 298; '12, 293-294
- Tomato worms, '02, 112; '04, 210; '06, 269-271
- Tomostethus inhabilis*, '24, 342; '25, 323-324
- Tortoise beetle, '02, 110, 111; '03, 219; '24, 233
- Tortrix albicomana*, '15, 189; '18, 343
fumiferana, '12, 291-292; '13, 251
quercifoliana, '23, 234; '24, 235; 336
- Toumeyella liriiodendri*, '12, 217, 294-295; '13, 188; '14, 187; '18, 256; '21, 176-178; '25, 227
- Toxoptera graminum*, '25, 278
- Trachandrena claytoniae*, '05, 214, 216, 217, 218, 220
crataegi, '05, 210, 212, 214, 216, 217, 218, 219, 222
forbesii, '05, 210, 212, 214, 216, 218
hippotes, '05, 216, 217
- Tree cricket, '06, 297
 hopper, buffalo. See Buffalo tree hopper
- Tremex columba*, '02, 113; '22, 353
- Triana plebeja*, '19, 125
- Tribolium confusum*, '17, 334
ferrugineum, '17, 334
- Trichocampus viminalis*, '13, 256
- Trichobaris mucorea*, '06, 277
trinotata, '06, 277
- Trichodectes latus*, '24, 236, 336
- Trichogramma minutum*, '18, 303; '21, 169; '23, 287
- Triondonta curvipes*, '05, 214, 217, 223
- Triphleps insidiosus*, '21, 169
- Trihabda canadensis*, '08, 844-845
- Troctes divinatorius*, '17, 339
- Trogoderma tarsale*, '17, 338
- Trombidium sericeum*, '02, 111
 sp., '14, 146
- Tropidia quadrata*, '05, 219
- Trybliographa*, '14, 146
- Tulip tree leaf gall, *Cecidomyia liriiodendri*, '06, 299
 scale, *Toumeyella liriiodendri*, '01, 238, 277; '02, 108, 111, 112, 113; '03, 216, 218; '04, 207, 211; '05, 239; '06, 297; '12, 294-295; '13, 188; '14, 187; '21, 176-178; '25, 227
- Tupelo leaf miner, *Antispila nys-saefoliella*, '22, 278, 369
- Turnip aphid, *Aphis pseudobrassicae*, '16, 98-104, 137; '17, 358; '19, 197; '21, 122; '22, 276, 346-347; '23, 232; '24, 234; '25, 226
- Tussock moth, '13, 223, 253
 hickory, *Halisidota caryae*, '01, 239; '06, 298; '07, 332; '08, 842-843; '17, 325-326, 358
 rusty, *Notolophus antiqua*, '06, 235, 298; '14, 126; '24, 245; '25, 246
 tessellated, *Halisidota tessellaris*, '03, 222; '08, 843; '17, 325-326, 358
 white-marked, *Hemerocampa leucostigma*, '05, 230-234; '06, 235, 298; '12, 216; '13, 253; '16, 105-111; '17, 237, 325, 326, 357; '19, 197
- Twelve-spotted asparagus beetle. See Asparagus beetle, 12-spotted
- Twice-stabbed lady beetle, *Chilocorus bivulnerus*, '01, 236; '02, 111, 127-128; '03, 220; '05, 258; '06, 300; '09, 351; '19, 158; '21, 180
- Twig borers, *Oberea tripunctata*, '17, 360
- Two-spotted lady beetle, *Adalia bipunctata*, '02, 107, 109; '03, 262, 265; '05, 211, 213, 215, 216, 218, 258; '06, 300; '17, 298; '19, 158
- Tyloderma foveolatum*, '17, 361
fragariae, '12, 195
- Typhlocyba comes*, '04, 216-217
rosae. See *Empoa rosae*
- Typhoea fumata*, '19, 128
- Typophorus canellus* (Paria), '04, 211, 215-216; '15, 186-187
- Tyroglyphus farinae*, '19, 198
longior, '06, 300
 sp., '17, 339
- Uhler's plant bug, *Halictus citri* (uhleri), '04, 211
- Unicorn caterpillar, *Schizura unicornis*, '03, 220; '18, 343
- Uranotes melinus*, '19, 202
- Vanessa antiopa*, '03, 219; '05, 257.
 See *Euvanessa antiopa cardui*, '05, 260
- Variegated cutworm, *Peridroma saucia*, '01, 261-264
- Vegetable insects, tests in control. '13, 232-237

- Vespa crabro*, '01, 239, 276; '05, 258; '06, 300; '16, 144; '20, 214
diabolica, '05, 215, 217
germanica (*Vespula*), '05, 213; '20, 144
maculata, '05, 217
Viburnum, '14, 126
 Vine fretter, '03, 274
 weevil, black. See *Otiorhynchus sulcatus*
 Violet aphid, brown, *Rhopalosiphum violae*, '03, 216
 gall-midge, *Phytophaga violicola*, '21, 152-156
 sawfly, *Emphytus canadensis*, '05, 258
 -tip butterfly, *Polygonia interrogationis*, '14, 187
 Virgin moth, *Diacrisia* (*Spilosoma*) *virginica*, '03, 218; '05, 257; '06, 298
 Walking stick, *Diapheromera femorata*, '02, 112
 Walnut bud moth, *Acrobasis caryae*, '12, 253-258; '24, 336
 caterpillar, *Datana integerrima*, '01, 275; '05, 257; '06, 298; '14, 191; '16, 140; '17, 326-328, 358; '23, 235
 curculio or weevil, *Conotrachelus juglandis*, '12, 213, 240-253; '13, 186
 English, '12, 243
 Japanese, '12, 243
 Persian, '12, 253, 254
 Wax moth, *Galleria mellonella*, '01, 236
 Webworm, corn. See Corn webworm
 fall. See Fall webworm
 Western corn rootworm. See Corn rootworm, Western
 West Indian peach scale. See Peach scale, West Indian
 Wheat midge, *Contarinia tritici*, '17, 357, 366-367
 Wheel bug, *Prionidus cristatus*, '09, 351; '17, 323
 White ants. See Termites
 arsenic, '03, 275
 blast of onions, '03, 266-268
 blotch oak leaf-miner, *Lithocolletis hamadryadella*, '05, 256; '19, 203
 fly, *Aleyrodes vaporariorum*, '01, 238, 271, 272; '02, 111, 112, 113, 148-163; '03, 216, 223; '05, 255; '06, 264, 275-276; '08, 806, 815; '14, 125
 strawberry, *Asterochiton packardii*, '14, 188
 grubs. See Grubs, white
 -marked tussock moth. See Tussock moth, white-marked
 pine weevil. See Pine weevil, white
 scale, *Aspidiotus hederae*, '05, 242, 256
 Whitewash, '03, 239, 241, 243, 244, 245, 248, 249, 250, 256
 Willow curculio, *Cryptorhynchus lapathi*, '07, 335
 sawfly, *Cimbex americana*, '06, 300; '12, 294; '23, 242
 Winthemia quadripustulata, '12, 286; '14, 167, 168, 170; '16, 110, 122; '21, 169
 Wireworms, '06, 263, 268-269; '14, 156, 157, 185, 186; '17, 357; '19, 190; '21, 163-165; '23, 232; '25, 227, 312-314
 Eastern field, *Limonius agonus*, '25, 312-314
 Woolly aphis, '03, 217, 218, 219; '04, 207
Xantholinus cephalus, '05, 215
Xenoglossa pruinosa, '06, 300
Xiphidium brevipenne, '06, 274
 fasciatum, '06, 274
Xyleborus caelatus, '05, 258
 celsus, '03, 222, 278
 dispar, '04, 207; '16, 140
 pyri, '02, 111
Xylocopa virginica, '05, 217, 222
Xylina, '16, 139
Xylophasia arctica, '04, 209
Xylota ejuncida, '05, 216
 Yellow-necked caterpillar, *Datana ministra*, '01, 239, 274-275; '02, 112; '05, 257; '06, 298; '12, 216; '14, 191; '17, 328-329, 358
 Ypsolophus. See *Dichomeris marginellus*
Zea mays, '18, 320
 Zebra caterpillar, *Mamestra picta*, '04, 208; '05, 257; '19, 191
Zeuzera pyrina (*aesculi*), '08, 847; '09, 356-359; '10, 664; '11, 266, 317-338; '12, 216; '13, 188; '19, 199; '24, 235
 Zinc arsenite on potatoes, '14, 190
Zizania aquatica, '15, 146
Zodion fulvifrons, '05, 214
Zygothria nidicola. See *Sturmia nidicola*