Pesticides pocumentation bulletin

Volume 4 Number 4 FEBRUARY 16, 1968

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These issues of the Pesticides Documentation Bulletin introduces a new computer generated current awareness service. Through the Pesticides Information Center's Update, Publication and Search (PICUPS) system, a categorized bibliographic citation file, accompanied by subject, author, organization and biographical indices will be issued bi-weekly.

All elements of the citations maintained in this mechanized file system are searchable by computer. In addition to the printed subject descriptors appearing in the <u>Bulletin</u>, other subject descriptors are incorporated in the tape file system às machine searchable but non-printable items. In the early issues some of these subject terms appear in the <u>Bulletin</u> as duplications. These duplications will be eliminated in later programs.

Since retrospective information was not previously published in searchable form, the next several issues of the <u>Bulletin</u> will contain selected coverage of pest control literature issued between 1960 and 1966. Additional retrospective material will be incorporated in future bulletins through the special bibliographies prepared by the Center. Current pest control literature will receive comprehensive coverage. Future expansion will include selected abstracts when such abstracts appear in the source document.

Recipients of this introductory issue are invited to send their comments and suggestions for its improvement to the U.S. Department of Agriculture, National Agricultural Library, Pesticides Information Center, 4112-Auditors Building, Washington, D. C. 20250. These comments together with computer produced statistical analyses will provide the bases for future changes.

Blacky L Oliveria

Blanche L. Oliveri Acting Director National Agricultural Library

PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4

February 16, 1968

Number 4

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library, It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

For broader coverage of literature on agriculture and related subjects, please consult the <u>Bibliography of Agriculture</u>, a monthly publication of the National Agricultural Library.

FORMAT

The <u>Bulletin</u> is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

<u>Citations</u>: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

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AVAILABILITY OF REFERENCES CITED

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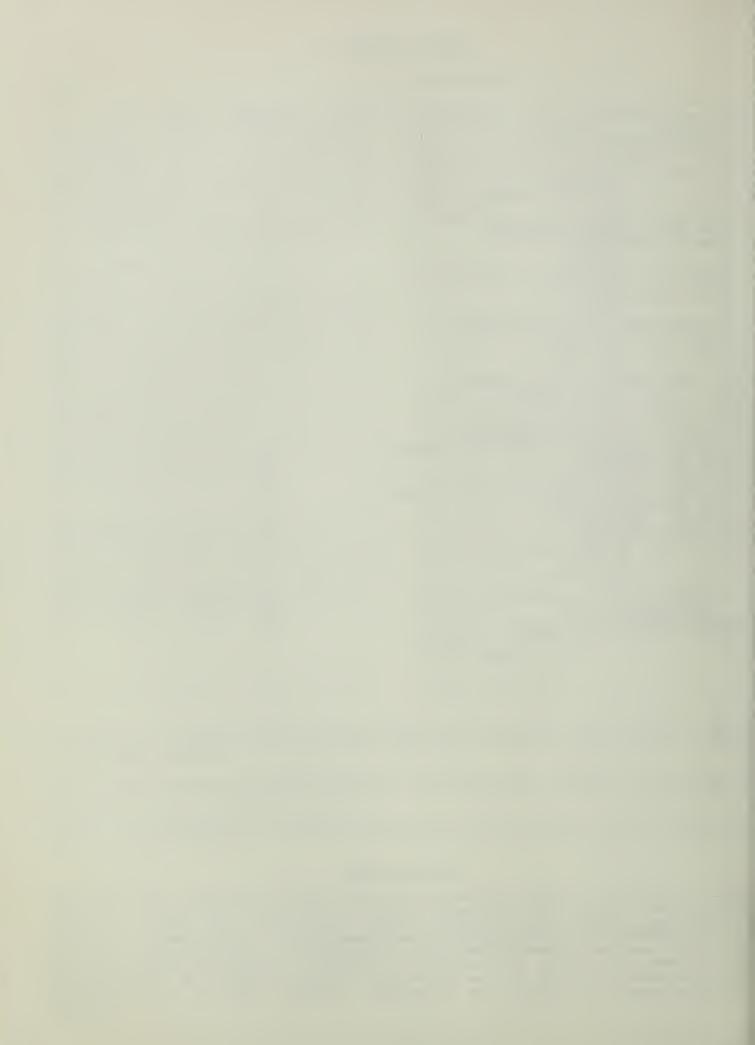
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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective effort.

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10 ENTOMOLOGY

3868-68 AN EVALUATION OF OLEANDONYCIN AS A CONTROL OF AMERICAN FOULBROOD DISEASE OF HONEY BEES. M Murphey H Andrews Fla Entomol 47(1):35-38, 2 REFS., 2 FIGS. Mar 1964 420 F662 American foulbrood, Apis mellifera, Oleandomycin.

Systematics

3869-68

A REVISION OF THE GENUS EPHEMERELLA (EPHEMEROPTERA: EPHEMERELLIDAE) 3. THE SUBGENUS ATTENUATELLA. R K Allen G F Edmunds Kans Entomol Soc J 34(4):161-173, 5 REFS., 15 FIGS. Oct 1961 420 K13 Attenuatella, Ecology, Ephemerella, Insect morphology, Insect taxonomy, Metamorphosis. 3870-68 ECOLOGY OF THE IMMATURE STAGES OF SOME WISCONSIN BLACK FLIES (SIMULIIDAE: DIPTERA). FLIES (SIMULIIDAE: DIFFERA). J R Andersson R J Dicke Entomol Soc Amer Ann 53(3):386-403 May 1960 420 EN82 Hydromermis, Insect ecology, Larvae, Metamorphosis, Parasites, Protozoa, Simuliidae, Wisconsin. 3871-68 THE ICELANDIC BDELLIDAE (ACARINA). W T Atyeo S L Tuxen Kans Entomol Soc J 35(3):281-298, 6 REFS., 29 FIGS. Jul 1962 420 K13 Bdella, Biscirus, Cyta, Insect morphology, Neomolgus, Thoribdella. 3872-68 NEOTYPE DESIGNATION FOR EDELIA LONGICORNIS (L.) (ACARINA: BDELLIDAE) -W T Atyeo Kans Entomol Soc J 35(4):433, 8 REFS. Oct 1962 420 K13 Bdella, Insect ecology, Insect taxonomy. 3873-68 BIOLOGICAL RACES OF THE BLACK SCALE, SAISSETIA OLFAE, AND THEIR SPECIFIC PARASITES. R Bartlett Entomol Soc Amer Ann 53(3):383-385 May 1960 420 EN82 California, Figs, Metaphycus, Mexico, Parasitic insects, Saissetia. 3874-68 NEW CHIRONOMIDAE FROM FLORIDA (DIPTERA). % M Beck Jr E C Beck Pla Entomol 47(3):201-207, 2 REFS., 1 FIG. Sep 1964 420 F662 Chironomus, Polypedilum, Trichocladius. 3875-68 EFFECTS OF TEMPERATURE AND PHOTOPERIOD ON VOLTINISM OF GEOGRAPHICAL POPULATIONS OF THE EUROPEAN CORN BORER, PY-RAUSTA NUBILALIS. S D Beck J W Apple J Econ Entomol 54(3):550-558, 30 REFS. Jun 1961 421 J822 Diapause, Photoperiodism, Pyrausta, Temperature.

ANDROEURYOPS, A NEW GENUS OF TACHINIDAE (DIPTERA) FROM CENTRAL AMERICA. D F Beneway Kans Entomol Soc J 34(1):44-47, 8 REFS., 6 FIGS. Jan 1961 420 K13 Abdomen, Androeuryops, Eciton, Head, Insect morphology, Labidus, Tachinidae, Thorax. 3877-68 NOTES ON MISCELLANEOUS INSECTS OF ARIZONA. F F Bibby J Econ Entomol 54 (2):324-333 Apr 1961 421 J822 Insects, Population statistics. 3878-68 TAXONOMIC OESERVATIONS ON THE LARVAE OF THE THREE AMERICAN CRYPTOLESTES (COLEOPTERA: CUCUJIDAE) THAT INFEST STORED GRAIN. G W Bishop Entomol Soc Amer Ann 53(1):8-11 Jan 1960 420 EN82 Cryptolestes, Larvae. 3879-68 PARASITES OF THE FACE FLY, MUSCA AUTUMNALIS, IN NEW HAMP-SHIRE. R L Blickle J Econ Entomol 54:(4):802 Aug 1961 421 J822 Musca, Parasitic insects. 3880-68 THE BIOLOGY OF HETEROSTYLUM ROBUSTUM (DIPTERA: BOMBYLI-IDAE), A PARASITE OF THE ALKALI BEE. G E Bohart W P Stephen R K Eppley Entomol Soc Amer Ann 53 (3):425-435 May 1960 420 EN82 Neterostylum, Insect biology, Nomia, Northwestern United States, Parasitic insects. 3881-68 A REVIEW OF THE GENUS OMALUS PANZER IN NORTH AMERICA (HYMENOPTERA, CHRYSIDIDAE). R M Bohart L E Campos Entomol Soc Amer Ann 53(2):235-250 Mar 1960 420 EN82 Chrysididae, Insect geography, Insect taxonomy, North America, Omalus, Zoogeography. 3882-68 ADDENDUM TO A REVIEW OF THE GENUS OMALUS PANZER IN NOFTH AMERICA (HYMENOPTERA, CHRYSIDIDAE). R M Bohart Entomol Soc Amer Ann 53(3):435 May 1960 420 EN82 Chrysididae, North America, Omalus. 3883-68 RESTORATION OF THE NAME, AEDES HENDERSONI COCKERELL, AND ITS ELEVATION TO FULL SPECIFIC RANK (DIPTERA: CULICIDAE). O P Breland Entomol Soc Amer Ann 53(5):600-606 Sep 1960 420 EN82 Aedes, Colorado, Insect names, Texas. 3884-68 A REVISION OF THE FORMS OF COCCINELLA L. OCCURRING IN AMERICA NORTH OF MEXICO (COLEOPTERA: COCCINELLIDAE). W J Brown Can Entomol 94(8):785-808 Aug 1962 421 C16 Canada, Coccinella, Coleoptera, Greenland, Insect taxonomy, United States. 3885-68 TWO NEW PHYTOPHAGOUS SPECIES AND ONE NEW PARASITIC SPECIES OF THE GENUS EURYTOMA (HYMENOPTERA: EURYTOMIDAE). R E Bugbee Kans Entomol Soc J 35(4):345-348 Oct 1962 420 K13 Eurytoma, Insect biology, Insect ecology, Insect morphology, Parasitic insects. 3886-68 THE FLORIDA FIG WASP, SECUNDEISENIA MEXICANA (ASHM.), AND SOME OF ITS HYMENOPTEROUS SYMBIONTS. G F Butcher

Fla Entomol 47(4):235-238, 8 REFS.

10 3887-68 Dec 1964 420 F662 Colyostichus, Idarnes, Neosycophila, Physothorax, Secundeisenia. 3887-68 AN UNUSUAL NEW SPECIES OF BOREUS (MECOPTERA: BOREIDAE) FROM OREGON. G W Byers Kans Entomol Soc J 34(2):73-78, 7 REFS., 7 FIGS. Apr 1961 420 K13 Boreus, Habitats, Insect morphology. 3888-68 DESCRIPTIONS AND DISTRIBUTIONAL RECORDS OF AMERICAN MECOPTERA 2. G W Byers Kans Entomol Soc J 35(3):299-307, 7 RFFS., 13 FIGS. Jul 1962 420 K13 Bittacidae, Boreidae, Insect ecology, Insect morphology, Panorpa. 3889-68 DESCRIPTION OF A NEW PACHYZANCLA SPECIES REARED ON SWEET PCTATO IN SOUTHERN UNITED STATES (LEFIDOPTERA: PYKAUS-TIDAE). H % Capps Fla Entomol 47(1):13-15, 1 FIG. Mar 1964 420 F662 Pachyzancla, Fachyzancla birunctalis, Sweetpotatoes. 3890-68 NOTFS ON THE SPECIES OF PSAENYTHIA (HYMENOPTERA: ANDRENIDAE) IN THE FASTERN UNITED STATES. L Chandler Kans Entomol Soc J 35(3):313-314, 6 REFS. Jul 1962 420 K13 Insect biology, Insect ecology, Psaenythia. 3891-68 LAMINATING MOTH WINGS AND LAEVAE. M S Conrad Entomol Soc Amer Ann 15(6):847 Nov 1960 420 EN82 Insect identification, Laminated plastics, Moths. 3892-68 192-68 KEY TO ADUITS OF DIPTEROUS PARASITES OF SPRUCE BUDWORM, CHORISTCNEURA FUMIFERANA (CLEM.) (LEFIDOPTERA: TORTRIC IDAE). H C Coppel Entomol Soc Amer Ann 53(1):94-97 Jan 1960 420 EN82 British Columbia, Choristoneura, Diptera, Insect identification, Parasitic insects. 3893-68 EMPTY COCOONS OF THE INTRODUCED PINE SAWFLY, DIPRION SIMIL-IS, AS HABITAT NICHES FOR ARTHROPODS. H C Coppel Entomol Soc Amer Ann 15(6):847-849 Nov 1960 420 EN82 Arthropoda, Dirrion, Habitats, Pupal cases. 3894-68 EGGS OF FLOODWATER MOSQUITOES. VII. SPECIES OF AEDES COM-MON IN THE SOUTHEASTERN UNITED STATES (DIPTERA: CULI-CIDAE) . G B Craig Jr W R Horsfall Entomol Soc Amer Ann 53(1):11-18 Jan 1960 420 EN82 Aedes, Culicidae', Insect eggs, Southeastern United States. 3895-68 A MONOMORPHIC CYCLE OF ADELGES COOLEYI (GILL.) (HOMOP-TERA: PHYLLOXERIDAE) LIVING ONLY ON SPRUCE. M E P Cumming Can Entomol 94(11):1190-1195, 2 REFS. Nov 1962 421 C16 Adelges, Life cycle, Picea. 3896-68 THE IMPORTANCE OF TAXONOMY TO BIOLOGICAL CONTROL AS ILLUS-TRATED BY THE CRYPTIC HISTORY OF APHIS HOLOXANTHUS N. SP. (HYMENOPTERA: APHELINIDAE), A PARASITE OF CHRYSOMPHALUS AONIDIUM, AND APHYTIS COHENI N. SP., A PARASITE OF AONID-ELLA AURANTII. P Debach Entomol Soc Amer Ann 15(6):701-705 1960 420 EN82 Aonidiella, Aphytis, Biological control (insects), PAGE 2

Chrysomphalus, Insect identification, Insect taxonomy. 3897-68 MOSERINA MACULATA GEN. ET SP. NOV. (HYMENOPTERA: CHALCIDOIDEA: EULOPHIDAE), PARASITE OF PACHYPSYLLA (HEMIPTERA: PSYLLIDAE) ON CELTIS. V L Delucchi Kans Entomol Soc J 35(4):389-392, 1 REF., 2 PLATES Oct 1962 420 K13 Insect morphology, Insect taxonomy, Moserina, Pachypsylla, Parasitic insects. 3898-68 FOUR NEW PHYTOSEIIDAE (ACARI. MESOSTIGMATA) FROM FLORIDA. H A Denmark Fla Entomol 48(2):89-95, 2 REFS., 4 FIGS. Jun 1965 420 F662 Amblyseius, Cydnodromus, Phytoseiidae. 3899-68 NEW TRICHOPTERA FROM MEXICO. D G Denning Kans Entomol Soc J 35(4):402-408, 9 FIGS. Chimarra, Insect ecology, Insect morphology, Insect taxonomy, Polycentropus. 3900-68 NEW NORTH AMERICAN SIMULIIDAE OF THE GENUS CNEPHIA END-ERLEIN (DIPTERA). G R DeFoliart B V Peterson Entomol Soc Amer Ann 53 (2):213-219 Mar 1966 420 EN82 North America, Simuliidae. 3901-68 A NEW SPECIES OF ISCHNURA FROM GUATEMALA, WITH REVISIONARY NOTES ON RELATED NORTH AND CENTRAL AMERICAN DAMSELFLIES (ODONATA: COENAGRIONIDAE). T W Donnelly Fla Entomol 48(1):57-63, 9 REFS., 1 FIG. Mar 1965 420 F662 Anomalura, Celaenura, Ceratura, Ischnura. 3902-68 NEW SPECIES AND TAXONOMIC CHANGES IN THE TINGIDAE (HEMIPTERA). C J Drake F A Ruhoff Kans Entomol Soc J 34(3):145-151, 3 FIGS. Jul 1961 420 K13 Catoplatus, Cochlochila, Cysteochila, Habrochila, Insect morphology, Insect taxonomy, Physatochelia, Tingidae. 3903-68 NEW MOSQUITO RECORDS FOR SOUTH DAKOTA. J D Edman Kans Entomol Soc J 35(4):430-432, 5 REFS., 1 FIG. Act 1962 420 K13 Aedes, Anopholes, Culex, Culicidae, Insect taxonomy, Orthopodomyia, Psorophora, Uranotaenia. 3904-68 A NEW HARPACTORINE GENUS (HEMIPTERA: REDUVIIDAE). J C Elkins Kans Entomol Soc J 35(4):360-363, 3 RFFS., 3 FIGS. Oct 1962 420 K13 Harpactorine, Insect ecology, Insect morphology, Mucrolicter. 3905-68 THREE NEW SAICINE GENERA (HEMIPIERA: REDUVIIDAE). J C Elkins Kans Entomol Soc J 35(4):421-429, 2 REFS., 20 FIGS. Oct 1962 420 K13 Caryonia, Collartida, Exaeretosoma, Insect morphology, Insect taxonomy, Micropolytoxus, Stenoramphus. 3906-68 AN UNUSUAL HABITAT FOR PLEA STRIOLA (HEMIPTERA: PLEIDAE). L L Ellis Fla Entomol 48(1):77, 3 REFS. Mar 1965 420 F662 Habitats, Plea. 3907-68 THE GENUS PENENIRMUS (MALLOPHAGA) FOUND ON NORTH AMERICAN WOODPECKERS. K C Emerson J C Johnson Kans Entomol Soc J 34(1):34-43, 17 REFS., 4 PLATES

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Jan 1961 420 K13 3918-68 Insect morphology, Parasitic insects, Penenirmus, Piciformes. 3908-68 MALLOPHAGA (CHEWING LICE) OCCUBRING ON THE TURKEY. K C Emerson Kans Entomol Soc J 35(1):196-201, 15 REFS., 11 FIGS. Jan 1962 420 K13 Agriocharis, Chelopistes, Mallophaga, Menacanthus, Oxylipeurus, Turkeys. 3909-68 A NEW SPECIES OF MALLOPBAGA FROM THE BIGHORN SHEEP. K C Emerson Kans Entomol Soc J 35(4):369-370, 1 REFS., 4 FIGS. Oct 1962 420 K13 Bcvicola, Insect ecology, Insect morphology, Parasitic insects, Sheep. 3910-68 A REVISION OF THE GENUS ENYPIA (LEPIDOPTERA: GEOMETRID-AE). D Evans Entomol Soc Amer Ann 53(5):560-574 Sep 1960 420 EN82 Enypia, Insect taxonomy. 3911-68 INDICES OF SEASONAL POPULATIONS OF THE ADULTS, EGGS, AND LARVAE OF THE CORN EARWORM. M H Farrier W W Reid J Econ Entomol 54 (4):692-695, 9 REFS. Aug 1961 421 J822 Corn, Eggs, Heliothis zea, Larvae, Population, Weather. 3912-68 BIOLOGY OF PHYSCUS SP. (EULOPHIDAE, APHELININAE) FROM BURMA. T W Fisher J Econ Entomol 54(3):444-446, 4 REFS. Jun 1961 421 J822 Aonidiella, Beneficial insects, Biological control, Physcus. 3913-68 PARATERELLIA, A NEW GENUS OF TEPHRITIDAE FROM THE WESTERN UNITED STATES (DIPTERA). R H Foote Entomol Soc Amer Ann 53(1):121-125 Jan 1960 420 EN82 Diptera, Tephritidae, Western United States. 3914-68 A NEW NORTH AMERICAN FRUIT FLY GENUS, PROCECIDOCHAROIDES (DIPTERA: TEPARITIDAE). R H Foote Entomol Soc Amer Ann 15(5):671-675 Sep 1960 420 EN82 North America, Procecidocharoides, Tephritidae. 3915-68 THE TYPES OF NORTH AMERICAN TEPHRITIDAE IN THE SNOW MUSEUM, THE UNIVERSITY OF KANSAS (DIPTERA). R H Foote Kans Entomol Soc J 35(1):170-179, 23 REFS., 1 TAB. Jan 1962 420 K13 Acinia, Aciurina, Euaresta, Fuarestoides, Eurosta, Eutreta, Gymnocarena, Insect morphology, Neotephritis, Orellia, Paroxyna, Procecidochares, Rhagoletis, Stenopa, Tephritis, Trupanea, Trypeta, Xenochaeta. 3916-68 THE NASAL MITES OF THE GENUS PTILONYSSUS (:ACARINA: RHINONYSSIDAE) OCCURRING IN SOME NORTH AMERICAN PASSERIFORM BIRDS. J E George Kans Entomol Soc J X4(3):105-132, 13 REFS., 2 TABS., 82 FIGS. Jul 1961 420 K13 Insect ecology, Insect morphology, Parasitic insects, Passeriform, Ptilonyssus. 3917-68 NEW RECORD OF THE TICK IXODES AFFINIS TN THE UNITED STATES. R R Gerrish J M Ossorio J Econ Entomol 58(2):369 Apr 1965 421 J822 Felis, Insect ecology, Ixodes, Parasitic insects.

ECOLOGICAL OBSERVATIONS ON THE INSECTS AND OTHER INHABITANTS OF WOODY SHELF FUNGI (BASIDIOMYCETES: FOLYPORACEAE) IN THE CHICAGO AREA. R C Graves Entonol Soc Amer Ann 53(1):61-78 Jan 1960 420 EN82 Colembolla, Coleoptera, Fungi, Habitats, Illinois, Insect ecology, Insects, Mites. 3919-68 NOTES ON NEMOTELUS (DIPTERA: STRATIOMYIDAE). W J Hanson Kans Entomol Soc J 34(4):214 Oct 1961 420 K13 Insect ecology, Nemotelus. 3920-68 DESIGN OF A SAMPLING PLAN FOR STUDIES ON THE POPULATION DYNAMICS OF THE IMPORTED CABBAGEWORM, PIERIS RAPAE (L.) (LEPIDOPTERA: PIERIDAE). D G Harcourt Can Entomol 94(8):849-859 Aug 1962 421 C16 Demography, Lepidoptera, Pieridae, Sampling (statistics). 3921-68 EFFECT OF MIGRATION, TEMPERATUE, PRECIPITATION ON THRIPS INFESTATIONS IN SOUTH TEXAS. J A Harding J Econ Entomol 54(1):77-79 Feb 1961 421 J822 Insect migration, Onions, Thrips, Weather. 3922-68 THE LIFE HISTORY OF THE BLACKWORM, AGROTIS IPSILON (HUFNA-GEL), UNDER CONTROLLED CONDITIONS. C R Harris J H Mazurek G V White Can Entomol 94 (11):1183-1187, 6 REFS. Nov 1962 421 C16 Agrotis, Life cycle. 3923-68 AN EVALUATION OF CODING SYSTEMS FOR ESTIMATING POPULATIONS OF SHAFT LOUSE, MENOPON GALLINAE. J C Harshbarger E M Raffensperger J Econ Entomol 54(1):74-76 Feb 1961 421 J822 Menopon, Population statistics. 3924-68 A NEW INSECT CLEARING TECHNIQUE. W E Hazeltine Kans Entomol Soc J 35(1):165, 2 REFS., 1 FIG. Jan 1962 420 K13 Insect clearing, Insect morphology, Methodology. 3925-68 DISPERSAL OF RELEASED IRRADIATED LABORATORY-REARED SCREW-WORM FLTES. B G Hightower A L Adams D A Alley J Econ Entomol 58(2):373-375, 4 REF. Apr 1965 421 J822 Cochliomyia, Experimental insects, Insect flight, Insect migration, Irradiation. 3926-68 DISCRIMINATION BETWEEN THE PUPAE OF TRIBOLIUM CONFUSUM DUV. AND T. CASTANEUM (HEST.) (COLEOPTERA: TENEBRION-IDAE). F K Ho Entomol Soc Amer Ann 53 (2):280-281 Mar 1960 420 EN82 Insect morphology, Pupae, Tenebrionidae, Tribolium. 3927-68 OBSERVATIONS ON THE SUBGENUS ARGAS (IXODOIDEA, ARGASIDAE, ARGAS). I.STUDY OF A. REFLEXUS REFLEXUS (FABRICIUS, 1794), THE EUROPEAN BIRD ARGASID. H HOOGSTRAAL G M KOHLS Entomol Soc Amer Ann 53 (5):611-618 Sep 1960 420 EN82 Argas, Birds, Europe, North Africa. 3928-68 SOME BOST RELATIONSHIPS OF THE TORTOISE TICK, HYALOMMA (HYALOMMASTA) AEGYPTIUM (L.) (IXODOIDEA, IXODIDAE) IN TURKEYA H Hoogstraal M N Kaiser Entomol Soc Amer Ann 53(4)457-458

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3939-68 OBSERVATIONS ON THE SUBGENUS ARGAS (IXCDOIDEA, ARGASIDAE, ARGAS). 2. A. COOLEYI, NEW SPECIES, FROM WESTERN NORTH AMERICAN BIRDS. G M Kohls H Hoogstraal Entomol Soc Amer Ann 53(5):625-631 Sep 1960 420 EN82 Birds, Petrochelidon, Western North America. 3940-68 DESCRIPTIONS OF THREE MYRMECOPHILOUS MACROCHELIDAE (ACARINA: MESOSTIGMATA) FROM PANAMA, BRITISH GUIANA AND THE BRITISH WEST INDIES. G W Krantz Kans Entomol Soc J 35(4):349-357, 8 REFS. 14 FIGS. Oct 1962 420 K13 Aethosoma, Insect ecology, Insect morphology, Insect taxonomy, Macrocheles. 3941-68 THE NONRANDOM DISTRIBUTION OF FORAGING HONEY BEES BETWEEN APIARIES. W R Lee J Econ Entomol 54(5):928-933, 15 REFS. Aug 1961 421 J822 Apiaries, Apis mellifera, Distribution. 3942-68 A PRELIMINARY LIST OF TEXAS APHIDS. M D Leonard A N Tissot Fla Entomol 48(4):255-265, 4 REFS. Dec 1965 420 F662 Aphis, Brevicoryne, Dactynotus, Macrosiphum, Monellia, Pemphigus, Rhopalosiphum, Texas. 3943-68 DISTRIBUTION OF FORAGERS FROM HONEY BEE COLONIES PLACED IN THE MIDDLE OF A LARGE FIELD OF ALFALFA. M D Levin J Econ Entomol 54(3):431-434, 3 REFS., 2 TABS. Jun 1961 421 J822 Alfalfa, Apis mellifera, Insect dissemination, Radioactive tracers. 3944-68 OCCURRENCE OF HIPPELATES EVE GNATS IN A COASTAL HABITAT IN CALIFORNIA. H I Magy A Lee J Econ Entomol 54(1):206-207 Peb 1961 421 J822 Chloropidae, Insect control, Insect vectors, Weather. 3945-68 OCCUBRENCE OF AN UNUSUAL SPECIES OF TETRASTICHUS (HYMENOPTERA: EULOPHIDAE) IN NEBRASKA. G R Manglitz Kans Entomol Soc J 34(1):17-18, 1 REF. Jan 1961 420 K13 Hymenoptera, Sitona, Sweetclover, Tetrastichus. 3946-68 CHANGES IN THE STATUS OF EFFERIA BARBATA (FAB.) AND EFFERIA ALIBARBIS (MACQ.) (DIPTERA: ASILIDAE). Kans Entomol Soc J 35(2):247-253, 5 REFS. Apr 1962 420 K13 C H Martin Efferia, Insect ecology, Insect morphology, Insect taxonomy. 3947-68 THE PLUMOSE HAIR OF HETEROPOGON AND TWO NEW SPECIES FROM MEXICO (DIPTERA: ASILIDAE). C H Martin Kans Entomol Soc J 35(4):371-377, 8 REFS. Oct 1962 420 K13 Heteropogon, Insect morphology, Plumose hair. 3948-68 THE MISTAKEN IDENTITY OF PROCTACANTHUS ARNO TOWNSEND AND A NEW SPECIES. C H Martin Kans Entomol Soc J 35(1):185-188, 2 REFS. Jan 1962 420 K13 Insect morphology, Insect taxonomy, Proctacanthus. 3949-68 MORPHOLOGY OF THE PLEURCSTERNAL REGION OF THE PTEROTHORAX IN INSECTS. R Matsuda Entomol Soc Amer Ann 15(6):712-731 Nov 1960 420 EN82

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Termites, Trombidiidae. 3960-68 BIONCMICS OF THE APPLE APHID, APHIS POMI, ON YOUNG NONBEAR-ING APPLE TREES. E R Oatman E F Legner J Econ EntoBol 54(5):1034-1037, 2 REFS. Aug 1961 421 J822 Aphididae, Apples, Insect ecology, Population, Surveys. 3961-68 INTRASPECIFIC COMPETITION STUDIES OF THE MELON LEAF MINER, LIRIOMYZA PICTELLA (THOMSON) (DIPTERA: AGROMYZIDAE). E R Oatman Entonol Soc Amer Ann 53 (1):130-131 Jan 1960 420 FN82 Agromyzidae, Competition, Demography, Food supply, Liriomyza, Oviposition. 3962-68 NOTES ON AND REDESCRIPTION OF TYPES OF NORTH AMERICAN BOMBYLIIDAE (DIPTERA) IN EUROPEAN MUSEUMS. R H Painter E M Painter Kans Entomol Soc J 35(1):2-161, 63 REFS., 2 TABS., 20 FIGS. Kans Entomol Soc J 35(1):2-161, 63 REFS., 2 TASS., 20 FIGS. Jan 1962 420 K13 Amphicosmus, Anthrax, Aphoebantus, Astrophanes, Bombyliidae, Bombylius, Conophorus, Cyananthrax, Eclimus, Exoprosopa, Geron, Heterostylum, Insect morphology, Insect taxonomy, Lepidanthrax, Lepidophora, Ogcodocera, Oliodranes, Fantarbes, Parabombylius, Paracosmus, Phthiria, Poecilanthrax, Sparnopolius, Spenoidoptera, Stonyx, Systropus, Toxophora, Villa. 3963-68 SEASONAL HISTORY AND REARING OF SCAPHYTOPIUS ACUTUS (SAY) (BOMOFTERA: CICADELLIDAE). D H Palmiter W J Coxeter J A Adams Entomol Soc Amer Ann 15(6):843-846 Nov 1960 420 EN82 Diapause, Fruit, Hibernation, Insect biology, Insect rearing, Population, Scaphytopius, X-disease virus. 3964-68 TWO NEW PELECYPHORUS FROM CALIFORNIA (NOTES ON NORTH AMERICAN COLEOPTERA, NO. 13). C S Papp Kans Entomol Soc J 34(3):157-160, 2 FIGS. Jul 1961 420 K13 Insect morphology, Pelecyphorus. 3965-68 NEW NOETH AMERICAN TABANIDAE. XI- SUPPLEMENTAL NOTES PERTIMENT TO A CATALOG OF MEARCTIC SPECIES. C B Philip Entomol Soc Amer Ann 53(3):364-369 May 1960 420 EN82 Apatolestes, Atylotus, North America, Tabanidae, Tabanus. 3966 - 68FLEAS (SIPHONAPTERA) OF SMALL MAMMALS IN KANSAS. FLEAS (SIPHONAPTERA) OF SMALL MAMMALS IN KANSAS. J H Poorbaugh H T Gier Kans Entomol Soc J 34(4):198-204, 21 KEFS., 1 TAB. Oct 1961 420 K13 Cediopsylla, Chaetopsylla, Conorhinopsylla, Corrodopsylla, Ctenocephalides, Ctenopthalmus, Cynomys, Didelphis, Epitedia, Holdpsyllus, Methodology, Monopsyllus, Opisocrostis, Orchopeas, Parasitic insects, Pulex, Ehadinopsylla, Siphonaptera, Stenoponia, Thrassis. 3967-68 TAXONOMIC STUDIES ON THE ACLERIS GLOVERANA-VARIANA COMPLEX, THE BLACK-HEADED BUDWORMS (LEPIDOPTERA: TORTRICIDAE). J A Powell Can Entomol 94(8):833-840 Aug 1962 421 C16 Acleris, Lepidoptera, Tortricidae. 3968-68 TWO PREVIOUSLY UNDESCHIBED SPECIES OF CANADIAN ARCHIPSINI, WITH A REPORT OF THE GENUS LOZOTAENIA STEPHENS IN NOFTH AMERICA (LEPIDOPTERA: TORTRICIDAE). J A Powell Can Entomol 94(8):841-845 Aug 1962 421 C16 Archipsini, Lepidoptera, Lozotaenia, North America, Tortricidae.

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Sep 1960 420 EN82 Ceratopogonidae, Cereus, Culicoides, Dasyhelea, Forcipomyia, Insect nutrition, Insect rearing, Laphocereus, Opuntia, Pachycereus. 3980-68 A SYSTEMATIC STUDY ON THE STRAWBERRY APHID COMPLEX (PENTA-TRICHOPUS SPP.). G A Schaefers Entomol Soc Amer Ann 15(6):783-793 Nov 1960 420 EN82 Cnaetosiphon, Insect vectors, North America, Pentatrichopus, Strawberry virus. 3981-68 A REVIEW OF THE GENUS EULONCHUS GERSTACKER. PART I. THE SPECIES OF THE SMARAGDINUS GROUP (DIPTERA: ACROCERIDAE). E I Schlinger Entomol Soc Amer Ann 53 (3):416-422 May 1960 420 EN82 May 1960 420 EM62 Acrocercidae, California, Cryptantha, Eulonchus, Metamorphosis, Parasitic insects. 3982-68 BIOLOGICAL NOTES ON PACIFIC COAST APHID PARASITES, AND LISTS OF CALIFORNIA PARASITES (APHIDIINAE) AND THEIR APHID HOSTS (HYMENOPTERA: BRACONIDAE). E I Schlinger J C Hall Entomol Soc Amer Ann 53 (3):404-415 May 1960 420 EN82 Aphidiinae, Braconidae, British Columbia, California, Hyperparasitism, Parasitic insects. 3983-68 NEW TERMITOPHILOUS STAPHYLINIDAE OF ZOOGEOGRAPHIC SIGNIFI-CANCE (COLEOPTERA). C H Seevers Entomol Soc Amer Ann 15(6):825-834 Nov 1960 420 EN82 Termitogaster, Protermitobia, Spirachthodes, Staphylinidae, Termitogastrina, Termitona, Termitoptochus, Thyreoxenus, Trichopseniinae. 3984-68 SPECIES OF THE SPATULATA GROUP OF ANASTREPHA (DIPTERA: TEPHRITIDAE). J G Shaw Kans Entomol Soc J 35(4):408-414, 1 REP., 3 PLATES Oct 1962 420 K13 Anastrepha, Insect ecology, Insect morphology. 3985-68 ROPALOPHORUS HALIDAY - A GENUS NEW TC NORTH AMERICA (HY-MENOPTERA: BRACONIDAE: EUPHORINAE). R D Shenefelt R D Sheuereit Entomol Soc Amer Ann 53(4):542-546 Jul 1960 420 EN82 Euphorinae, Insect taxonomy, Ropalophorus. 3986-68 EFFECTS OF SOIL TEMPERATURE AND MOISTURE ON THE VERTICAL DISTRIBUTION OF EUROPEAN CHAFER LARVAE. H H Shorey G G Gyrisco Entomol Soc Amer Ann 15(5):666-670 Sep 1960 420 EN82 Sep 1960 420 EN82 Amphimallon, Larvae, Soil moisture, Soil temperature. 3987-68 AN ABNORMAL GRASSHOPPER WITH TWO MEDIAN OCELLI (ORTHOPTERA, ACRIDIDAE) . E H Slifer Entomol Soc Amer Ann 53(3):441-442 May 1960 420 EN82 Insect abnormalities, Melanoplus. 3988-68 THE GENUS MICROPARSUS PATCH (APHIDAE: HOMOPTERA). C F Smith N Tuatay Entomol Soc Amer Ann 15(6):735-742 Nov 1960 420 EN82 Eastern United States, Microparsus, Parasitic insects, Siphonophora. 3989-68 DESIGNATION OF INSECTICIDES BY TRADEMARKED NAMES OF CODE NUMBERS IN SOCIETY PUBLICATIONS. C N Smith J Econ Entomol 54(5):1066-1067 Aug 1961 421 J822 Chemicals, Insecticides, Nomenclature, Trademarks.

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Jan 1961 420 K13 Parasitic insects, Polochrum, Xylocopa. 4074-68 TERRITORIALISM AND RESIDENTIALITY IN A DRAGON FLY, ORTHETRU ALBISTYLUM SPECIOSUM UHLER (ODONATA: ANISOPTERA). Y Ito Entomol Soc Amer Ann 15(6):851 Nov 1960 420 EN82 Insect behavior, Orthetrum, Cviposition, Territoriality. 4075-68 RELATION OF TEMPERATURE FOR HATCHING TO ELIMINATION OF DIAPAUSE IN EGGS OF THE PALE WESTERN CUTWORM, AGROTIS OFTHOGONIA MORRISON (LEPIDOPTERA: NOCTUIDAE). L A Jacobson Can Entomol 94(8):889-892 Aug 1962 421 C16 Agrotis, Diapruse, Eggs, Lepidoptera, Noctuidae, Temperature. 4076-68 INFLUENCE OF PHOTOPERIOD ON OVIPOSITION BY THE ARMY CUTWORM, CHORIZAGROTIS AUXILIARIS (LEFIDOFTERA: NOCTUIDAE), IN AN INSECTARY. L A Jacobson Entomol Soc Amer Ann 53(4):474-475 Jul 1960 420 EN82 Chorizagrotis, Cviposition, Photoperiodism. 4077-68 PREDICTING MOTH FLIGHT AND OVIPOSITION OF EUROPEAN CORN BCRER BY THE USE OF TEMPERATURE ACCUMULATIONS. J L Jarvais T A Prindley J Econ Entomol 58(2):300-302, TABS., 4 REFS. Apr 1965 421 J822 Insect flight, Ostrinia, Oviposition, Temperature. 4078-68 STABLE FLY TOLERANCE TO RESIDUES OF DDT, DIELDRIN, MALA-THICH AND DIAZINON. L Johnston T E Blakeslee J Econ Entomol 54(3):528-530, 4 REFS. Jun 1961 421 J822 Diazinon, Dieldrin, DDT , Insecticide residues, Malathion, Stomoxys. 4079-68 TEE PHYSIOLOGY OF HATCHING OF AEDINE MOSOUITO EGGS: HATCHING STINULUS. C L Jndson Entomol Soc Amer Ann 15(5):688-691 Sep 1960 420 EN82 Aedes aegypti, Hatching, Insect eggs. 4080-68 THE UTILIZATION AND METABOLISM OF 4-C14-CHOLESTEROL BY THE AEULT BCUSE FLY. J N Kaplanis W E Robbins L A Tabor Entomol Soc Amer Ann 53(2):260-264 Mar 1960 420 EN82 Cholesterol, Debyrocholesterol,7-, Insect eggs, Insect metabolism, Insect nutrition, Musca domestica, Sterols. 4081-68 DIAPAUSE IN THE SUGARCANF BORER, DIATRAEA SACCHARALIS. K P Katiyar W H Long J Econ Entomol 54(2):285-287 Apr 1961 421 J822 Diapause, Diatraea, Larvae. 4082-68 LABORATORY TESTS WITH SOME PEOSPHORIC ACID ESTERS AGAINST CCTTON APHIDS. J C Keller E A Butt J Econ Entomol 54(6):1262 Dec 1961 421 J822 Aphididae, Bidrin, Cotton, Malathion, Naled, Phosphamidon. 4083-68 THE OLFACTORY GUIDANCE OF FLYING INSECTS. IV. DROSOPHILA. F E Kellogg D E Frizel R H Wright Can Entomol 94(8):884-888 Aug 1964 421 C16 Drosophila, Insect flight, Smell.

EFFECT OF DIFFERENT LEVELS OF ILLUMINATION ON THE LIFE CYCLE OF THE FACE FLY. R A Killough J Econ Entomol 58 (2):368-369, 3 REFS., 1 TAB. Apr 1965 421 J822 Insect rearing, Lighting, Musca. 4085-68 EFFECT OF LIGHT ON THE TEMPERATURE PREFERENDUM OF LARVAE OF THE MEXICAN EEAN BEETLE, EPILACHNA VARIVESTIS. E W King R C Riley Entomol Soc Amer Ann 53(5):591-595 1960 420 EN82 Epilachna, Insect behavior, Larvae, Light, Temperature. 4086 - 68FLUCTUATIONS IN RESPONSE OF MALE, KUN-<STRAIN HOUSE FLIES TO TOPICALLY-APPLIED MALATHION. G F Krause C C Roan Kans Entomol Soc J 34(2):101-104, 10 REFS., 3 TABS., 2 FIGS. Apr 1961 420 K13 Biological assay, Insecticide resistant insects, Malatnion, Musca domestica. 4087-68 EXTENDED DIAPAUSE IN EGGS OF HIGH-ALTITUDE SPECIES OF GRASS-HOPPERS, AND A NOTE ON FOOD-PLANT PREFERENCES OF MELANOPLUS BRUNERT. J B Kreasky Entomol Soc Amer Ann 53 (3):436-438 May 1960 420 EN82 Altitude, Chortippus, Cold, Diapause, Food plants, Grasshoppers, Insect eggs, Melanoplus, Rocky Mountains. 4088-68 HYDROLYSIS OF CERTAIN ORGANOPHOSPHATE INSECTICIDES BY HOUSE FLY ENZYMES. H R Krueger J E Casida J Econ Entomol 54(2):239-243 Apr 1961 421 J822 Esterases, Insecticides, Musca domestica, Phosphates. 4089-68 FEEDING AND OVIPOSITION HABITS OF THE JACK-PINE BUDWORM. H M Kulman A C Hodson J Econ Entomol 54(6):1138-1140, 5 REFS., 2 FIGS Dec 1961 421 J822 Choristoneura, Feeding, Larvae, Oviposition, Pinus. 4090-68 POSTEMERGENCE CHANGES OF ENZYME ACTIVITY IN THE MOSQUITO, AEDES AEGYPTI (L.). E N Lambremont Entomol Soc Amer Ann 53 (1):86-91 Jan 1960 420 EN82 Acid phosphatase, Ademosinetriphosphatase, Aedes aegypti, Aging, Sex. 4091-68 LONGEVITY OF THE BOLL WEEVIL UNDER LABCRATORY CONDITIONS. E N Lambremont N W Earle J Econ Entomol 54(5):964-966, 7 REFS. Aug 1961 421 J822 Anthonomus grandis, Longevity. 4092 - 68DEVELOPMENT OF INSECTICIDE RESISTANCE IN THREE FIELD STRAINS OF HOUSE FLIES. G C LaBreque H G Wilson J Econ Entomol 54(6):1257-1258, 4 REFS. Dec 1961 421 J822 Dichlorvos, Insecticide resistant insects, Malathion, Musca domestica, Trichlorfon. 4093-68 LABORATORY STUDIES OF THE TRANSLOCATION OF BENZENE HEXA-CHLORIDE IN RICE FOR CONTROL OF THE ASIATIC RICE BORER, CHILO SUPRESSALIS. S Y Lee J Econ Entomol 58(2):331-335, 6 REFS. Apr 1965 421 J822 enzene hexachloride, Chilo, Insect control, Plant translocation, Rice. 4094-68 LIMITATION ON THE PUPAL DEVELOPMENT OF THE EYE-SPOTTED BUD MOTH IN NORTHEASTERN WISCONSIN. E P Legner E R Oatman J Econ Entomol 58(2):359-360, 11 & EFS., 1 TAB.

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4105 - 68A TECHNIQUE FOR INDIVIDUAL REARING OF SMALL PHYTOPHAGOUS INSECTS M E Martignoni J E Milstead J Econ Entomol 54(3):605-610, 6 REFS., 1 FIG. Jun 1961 421 J822 Alfalfa, Insect rearing, Lepidoptera. 4106-68 STUDIES OF RELATIVE GROWTH IN GERRIDAE (4) (HEMIPTERA: HETEROPTERA). R Matsuda Kans Entomol Soc J 34(1):5-17, 2 REFS., 3 TABS., 5 FIGS. Jan 1961 420 K13 Antennae, Body, Development, Gerridae, Leys, Platygerris, Segments. 4107-68 DEVELOPMENT OF THE EUROPEAN CORN BORER AT CONTROLLED CON-J W Matteson G C Decker J Econ Entomol 58 (2):344-349, BIBL. 348-349, TABS. Apr 1965 421 J822 Eggs, Larvae, Metamorphosis, Ostrinia, Pupae, Temperature. 4108-68 AUXIN CONTENT OF EXTRACIS OF HOST PLANTS AND HONEYDEW OF DIFFERENT BIOTYPES OF THE CORN LEAP APHID, RHOPALOSIPHUM MAIDIS (FITCH). F G Maxwell R H Painter Kans Entomol Soc J 35(2):219-233, 8 REFS., 3 TABS., 13 FIGS. Apr 1962 420 K13 Extracts, Honeydew, Indoleacetate, Indoleacetic acid, Indolebutyric acid, Indolepyruvic acid, Plant hormones, Rhopalosiphum. 4109-68 109-68 MASS-REARING THE CABBAGE LOOPER, TRICHOPLUSIA NI, WITH NOTES ON ITS BIOLOGY IN THE LABORATORY. P L MCEwen G E R Hervey Entomol Soc Amer Ann 53(2):229-234 Mar 1960 420 EN82 Pood habits, Insect diseases, Insect rearing, Reproduction, Sanitation, Temperature, Trichoplusia. 4110-68 DEVELOPMENT AND ABSORPTION OF EGGS IN BUMBLEBEES (HYMENOPTERA: APIDAE) J T Medler Can Entomol 94(8):825-833 Aug 1962 421 C16 Apidae, Bombus, Eggs, Hymenoptera, Metamorphosis. 4111-68 THE GENUS CERATINA IN AUSTRALIA. WITH NOTES ON ITS NESTS (HYMENOPTERA: APOIDEA). C D Michener Kans Entomol Soc J 35(4):415-421, 10 REPS., 6 FIGS. Oct 1962 420 K13 Bees, Ceratini, Insect ecology, Nesting. 4112-68 THE EPPECTS OF DDT ON OXIDATIVE METABOLISM IN SUSCEPTIBLE AND DDT-<RESISTANT AEDES AEGYPTI. D W Micks M R V Murthy J Econ Entomol 54(3):461-465, 12 REFS., 4 FIGS. Jun 1961 421 J822 Aedes, DDT , Metabolism. 4113-68 TEMPORABY STORAGE OF LIVING SOIL AND BARK INHABITING COLEOP-TEROUS LARVAE IN WATER. I Millers J Econ Entomol 54(3):610-611, 1 REF. 1961 421 J822 Bark, Hylobius, Larvae, Storage, Water. 4114-68 DETERMINATION OF NUCLEIC ACIDS IN THE TESTES OF THREE COCK-ROACH SPECIES. N Mitlin Entomol Soc Amer Ann 53 (4):491-494 Jul 1960 420 EN82 Blaberus, Blattidae, Deoxyribonucleic acid, Leucophaea, Nauphoeta, Nucleic acids, Pentose nucleic acid, Testes. 4115-68 EFFECT OF DIETARY CHOLESTEROL ON HOUSE FLY REPRODUCTION. R E Monroe

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Nov 1960 420 EN82 Cholesterol, Diet, Insect nutrition, Musca domestica, Reproduction. (LEFIDOPTERA) . A Peterson 4116-68 LCSS OF ATTRACTIVENESS TO BESSA HARVEYI (TNS.) (DIPTERA: TACHINIDAE) OF HOST LARVAE DURING COLD STORAGE. I G Monteith Can Entomol 94(8):881-883 Aug 1962 421 C16 Force Cold storage Distora Larvae Tachinidae 4127-68 Bessa, Cold storage, Diftera, Larvae, Tachinidae. A Peterson 4117-68 THE EFFECT OF SEVIN CN HONEY BEES. R A Morse J Econ Entomol 54(3):566-568, 1 REF. 4128-68 Jun 1961 421 J822 Aris mellifera, Carbaryl. 4118-68 LCCALIZATION AND ACTION OF THE RESPIRATORY CENTRE OF THE CUBAN BURROWING COCKROACH. T. Myers J Insect Physiol 9(5):607-614 Oct 1963 421 J825 Cuban burrowing cockroach, Insect respiration. 4129-68 4119-68 R Pickford A COMPARISON OF METHODS FOR QUANTITATIVE ESTIMATION OF HYPOXANTHINE, XANTHINE, AND URIC ACID IN INSECT MATERIAL. J L Nation K K Thomas Fla Entomol 48 (3):183-186, 13 REFS., 2 TABS. Sep 1965 420 F662 Galleria, Hypoxanthine, Uric acid, Xanthine. 4130-68 4120-68 CCNTROLLING FLUCTUATIONS OF DURATION OF DEVELOPMENTAL PERIOD IN DROSCPHILA. H W Neunes Kans Entomol Soc J 35(2):269-278, 13 REFS., 1 TAB., 2 FIGS. Apr 1962 420 K13 Drosophila melanogaster, Humidity, Insecticide resistant insects, Larvae, Pupae, Temperature. 4131-68 4121-68 THE UPTAKE AND METABOLISM OF PARATHION BY INSECT EGGS. D D Pond R D O Brien E H Smith J Econ Entomol 54(1):187-191 Feb 1961 421 J822 Insect eggs, Cvicides, Parathion. 4122-68 EFFECTS OF PREBLOSSOM MITICIDES AND SUBSEQUENT INSECTICIDE AFPLICATIONS ON MITE POPULATIONS ON APPLE IN WISCONSIN. R D Price E R Oatman J Econ Entomol 58(2):335-343, BIBL. 342-343 Apr 1965 421 J822 Apt 1965 421 0622 Amblysedus, Affles, Captan, Carbaryl, Chlorbenside, Insecticide afflication, Lead arsenate, Mites, Panonychus, Ryania, Tetradifon, Tetranychus, Typhlodromus. 4133-68 4123-68 EFFECTS OF MALATHION AND PIPERONYL BUTOXIDE COMBINATIONS ON K P Pruess THE RATE OF OXYGEN CONSUMPTION OF HOUSE FLIES. M T Ouye R Lallan C C Roan Kans Entomol Soc J 34(2):64-73, 9 REFS., 3 TABS., 5 FIGS. Apr 1961 420 K13 4134-68 Insect respiration, Malathion, Musca domestica. 4124-68 BIOLOGY AND CONTROL OF THE SPITTLEBUG PROSAPIA BICINCTA IN COASTAL BERMUDA GRASS. B C Pass J K Reed J Econ Entomol 58 (2):275-278, TABS., 8 REFS. 1965 421 J822 Tribolium. Apr Azinphosmethyl, Carbaryl, Cynodon dactylon, DDT , Endosulfan, Endrin, Heptachlor, Insect pests, Malathion, Mevinphos, Prosapia. 4135-68 R L Rabb 4125-68 THE TOXICITY OF ENZYME FRACTIONS OF BACILLUS LARVAE. N G Patel L K Cutkomp J Econ Entomol 54 (4):773-777, 13 REFS. Aug 1961 421 J822 Arís mellifera, Bacillus, Blattella germanica, Enzymes, Larvae, Musca domestica, Tcxicology. 4136-68

4126-68 SOME EGGS OF MOTHS AMONG THE OLETHREUTIDAE AND TORTRICIDAE Fla Entomol 48(1):1-8, 7 REFS., 30 FIGS. Mar 1965 420 F662 Moths, Olethreutidae, Ova, Tortricidae. EGG TYPES AMONG MOTHS OF THE NOCTUIDAE (LEPIDOPTERA). Fla Entomol 47(2):71-91, 5 REFS., 90 FIGS. Jun 1964 420 F662 Agrotis, Catocala, Heliothis zea, Noctuidae. FIELD BEHAVIOR OF THE ADULT BOLLWORA, HELIOTHIS ZEA (BODDIE). J R Phillips W H Whitcomb Kans Entomol Soc J 35(2):242-246, 8 REFS., 3 FIGS. Apr 1962 420 K13 Corn, Cotton, Feeding, Heliothis, Moths, Reproduction. DEVELOPMENT, SURVIVAL AND REPRODUCTION OF MELANOPLUS BILITURATUS (WLK.) (ORTHOPTERA: ACRIDIDAE) REARED ON VARIOUS FOOD PLANTS. Can Entomol 94(8):859-869 Aug 1962 421 C16 Acrididae, Feeding, Melanoplus, Metamorphosis, Orthoptera, Reproduction. OVERWINTERING HABITS OF HOMALODISCA COAGULATA, THE PRINCI-PAL NATURAL VECTOR OF PHONY PEACH DISEASE VIRUS. H N Pollard G H Kaloostian J Econ Entomol 54(4):810-811 Aug 1961 421 J822 Hibernation, Homalodisca, Insect vectors, Phony disease (peaches). LIFE HISTORY STUDIES OF THE ARMYWORM, PSEUDALETIA UNIPUNCTA (LEPIDOPTERA: NOCTUIDAE), IN NEW BRUNSWICK. Entomol Soc Amer Ann 53 (5):661-665 Sep 1960 420 EN82 Insect biology, New Brunswick, Pseudaletia. BIOLOGICAL NOTES ON CULISETA MINNESOTA BARR AND CULISETA MORSITANS (THEOBALD) (DIPTERA: CULCIDAE). Kans Entomol Soc J 34(1):22-26, 11 REFS., 2 FIGS. Adds Encoded 420 K13 Aedes, Culcidae, Culiseta, Hibernation, Life cycles, Marshes, Swamps. OVIPOSITION RESPONSE OF THE ARMY CUTWCFM, CHORIZAGROTIS AUXILIARIS, TO DIFFERENT MEDIA. J Econ Entomol 54(2):273-277 Apr 1961 421 J822 Chorizagrotis, Ovipositors, Wheat. TOXICITY OF HYDROGEN PHOSPHIDE TO THE GRANARY WEEVIL. SITO-PHILUS GRANARIUS, AND OTHER INSECTS. A H Qureshi E J Bond H A U Monro J Econ Entomol 58(2):324-331, 27 REFS. Apr 1965 421 J822 Funigants, Phosphine, Sitophilus, Tenebrio, Tenebroides, BIOLOGICAL STUDIES OF POLISTES IN NORTH CAROLINA (HYMEN-OPTERA: VESPIDAE). Entomol Soc Amer Ann 53(1):111-121 Jan 1960 420 EN82 Food habits, Hymenoptera, Insect behavior, Insect biology, Insect ecology, North Carolina, Polistes, Predaceous insects, Vespidae. A COMPARISON OF PROCEDURES FOR MAKING ADULT ENDOPARASITIC WASPS WITH P32. G W Rahalkar R L Doutt

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4158-68 ARTIFICIAL NESTING SITES FOR THE PROPAGATION OF THE LEAF-CUTTER BEE, MEGACHILE (EUTRICHARAEA) ROTUNDATA, FOR AIFALFA POLLINATION. W P Stephen
J Econ Entomol 54(5):989-993, 11 REFS. Aug 1961 421 J822 Alfalfa, Artificial nesting, Pollination, Seed production (horticulture). 4159-68 FURTHER STUDIES ON THE FEEDING AND OVIPOSITION PREFERENCES OF THE BOLL WEEVIL (ANTHONOMUS GRANDIS). S G Stephens H S Lee J Econ Entomol 54(6):1085-1090, 6 REFS. Dec 1961 421 J822 Arthonomus grandis, Cotton, Feeding, Insect behavior, Oviposition. 4160-68 PECUNDITY AND FERTILITY OF TWO STRAINS OF THE PLUM CURCULIO, RECIPROCAL CROSSES AND THE P GENERATIONS. J O Stevenson E H Smith J Econ Entomol 54(2):283-284 Apr 1961 421 J822 Conotrachelus, Conotrachelus nenuphar, Genes. EFFECT OF RADIOFHOSPHORUS (P32) ON LIGHT RESPONSE OF AEDES AEGYPTI (L.) LARVAE. J R Strayer Fla Entomol 48(2):81-84, 3 REFS., 1 FIG., 2 TABS. Jun 1965 420 F662 Acdes aegypti, Larvae, Phototropism, Radioactive tracers. 4162-68 THE SURVIVAL OF THE MADEIRA COCKROACH IN VARIOUS ATMOS-PHERES W N Sullivan M S Schechter R A Fulton J C Keller S R Dutky W N SULLIVAN M S Schechter R A Fulton J Econ Entomol 54(4):661-663, 5 REFS. Aug 1961 421 J822 Belium, Leucophaea, Nitrogen, Oxygen, Satellites (artificial). 4163-68 APHID-VIEUS RELATIONSHIPS IN THE TRANSMISSION OF BEAN YELLOW MCSAIC VIRUS BY MYZUS PERSICAE. K G Swenson Entomol Soc Amer Ann 53(4):521-524 Jul 1960 420 EN82 Myzus, Plant disease transmission, Yellow mosaic (beans), Yellow mosaic virus. 4164-68 A METHOD FOR SELECTION FOR DDT-SUSCEPTIBILITY. A S Tahori J Econ Entomol 54(3):611, 3 REFS. Jun 1961 421 J822 DDT , Insecticide susceptible insects, Musca domestica. 4165-68 A COMPARATIVE STUDY OF CERTAIN BIOLOGICAL PHENOMENA OF A RESISTANT AND A SUSCEPTIBLE STRAIN OF THE BOLLWEEVIL, ANTHONOMUS GRANEIS. J G Thomas J R Erazzel J Econ Entomol 54(3):417-419, 8 REFS., 2 TABS. Jun 1961 421 J822 Anthonomus grandis, Insecticide resistant insects, Population statistics. 4166-68 A COMPARISON OF THE SUSCEPTIBILITY OF THE FACE FLY, MUSCA AUTUMNALIS, AND THE HOUSE FLY, M. DOMESTICA, TO INSECTI-CIDES IN THE LABOFATORY. R E Treece J Econ Entomol 54(4):803-805, 1 REF. Aug 1961 421 J822 DDT , Musca, Musca domestica, Parathion. 4167-68 OBSERVATIONS OF NESTS OF OXAEA (HYMENOPTERA: ANDRENIDAE). F S Truxal Kans Entomol Soc J 35(4):432 Oct 1962 420 K13 Bees, Insect behavior, Insect ecology, Oxaea. 4168-68 ARTIFICIAL DIETS FOR THE ADULT BOLL WEEVIL AND TECHNIQUES FOR OBTAINING EGGS. E S Vanderzant T B Davich

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TC SOLANACEOUS FLANTS.
R T Yamamoto G S Fraenkel
Entomol Soc Amer Ann 53(4):5C3-507
Jul 1960 420 EN82
Attractants, Frotoparce, Solanaceae.
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W C Yearian R C Wilkinson
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RELATIONSHIPS TO HOUSE FLY STRAINS.
J L Zaharis C C Roan T H Lord

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  PRESS CRITICAL OF FLEMMING, ADDITIVES BILL.
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Mar 1960 381 AG8
Food additives, Foreign trade, Publicity.
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Pesticides.
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   SECRETARY BENSON ENDORSES SAFE USE OF AGRICULTURAL
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  SUPPLY.
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4205-68
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  Pertilizers, Measuring equipment.
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  Carbaryl, Prices.
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4248-68 SPRAY DEMONSTRATION: TATA-PISON SHOWS HELICOPTER SPRAYING IN INDIA FOR PYRILLA CONTROL ON CANE. Agr Chem 15(1):56-57 Jan 1960 381 AG8 Aerial spraying, India, Pyrilla, Sugarcane. 4249-68 NEW DISEASE THREATENS CALIFORNIA CITRUS INDUSTRY. Agr Chem 19(5):35-39, 108-109 May 1964 381 AG8 Gibberellins, Lemons, Nematodes, Thrips, 2,4-d. 4250-68 HAZARDS ASSOCIATED WITH THE IMPLANTATION OF TETRAM INTO ELM TREES FOR DUTCH ELM DISEASE CONTROL. A P Al-Azawi D M Norris J E Casida J Econ Entomol 54(1):127-129 Peb 1961 421 3822 Dieback (ulmus), Hydrogen oxalate, 0,0-diethyl S-(beta-diethylamino)-ethyl phosphorothiolate, Scolytidae, Tetram, Ulmus. 4251-68 CONTROL OF BLACK ROT CN GRAPES. G L Barnes H A Hinrichs Agr Chem 19(5):30-33, 107-108, 10 REFS, 5 TABS. May 1964 381 AG8 Black rot (grapes), Bordeaux mixture, Dodine, Fungicides, Grapes, Maneb, Zineb. 4252-68 EFFECT OF CHEMICALS ON INFECTION OF SHORTLEAF PINE STUMPS BY POMES ANNOSUS. P H Berry T W Bretz J Sci Food Agr 16(7):II-14-M Jul 1965 382 5012 Ammonium fluoride, Ammonium sulfamate, Borax, Fomes, Pinus, Short-leaf pine, Urea. 4253-68 CONTROL OF SCAB OF CUCUMBEE AND OTHER CUCURHIT CROPS. & L Biehn D L Strider D F Crossan J G Kantzes L O Weaver Agr Chem 19 (4):91 Apr 1964 381 AG8 Cucumbers, Fungicides, Maneb. 4254-68 EPPECTS OF SOME FUNGICIDE MIXTURES ON SOD WEBWORMS IN SOUTH FLORIDA TURFGRASSES. H I Borders Fla Entomol 48(2):133 Jun 1965 420 F662 Captan, Cynodon, Pachyzancla, Pentachloronitrobenzene. 4255-68 CONTROL OF BACTERIAL SPCT ON PEPPER FRUIT. D P Crossan A L Morehart J F Baniecki % Biehn Agr Chem 19(5):76 May 1964 381 AG8 Dodine, Fertilizers, Piper nigrum. 4256-68 DISINFECTANT TREATMENT FOR FRESHLY HARVESTED PEPPER SEEDS. A H Dempsey W A Chandler Agr Chem 19(5):76 May 1964 381 AG8 Acrizane chloride, Piper nigrum, Seeds, Semesan. 4257-68 PERFORMANCE OF SEVERAL NEW CHEMICALS FOR THE CONTROL OF PIREBLIGHT OF PEAR. F B Fronek E J Klos Agr Chem 19(5):76, 106, 3 BEFS. May 1964 381 AG8 Fire blight (pears), Pears, Streptomycin.

20 4258-68 4258-68 KINETICS OF CHLCRELLA INHIBITION BY HERBICIDES. J V Gramlich R E Prans J Sci Pood Agr 16(7):II-14-9 Jul 1965 382 S012 Atrazine, Chlorella, Naphthaleneacetic acid, Plant hormones, Flant regulators, 2,4-D. 4259-68 INACTIVATION OF TOBACCO MOSAIC VIRUS IN TOMATO ROOTS. E M Johnson R A Chapman Agr Chem 19(6):71 Jun 1964 381 AG6 Methyl bromide, Roots, Tomatoes. 4260-68 WESTERN COTTON CONFERENCE. Agr 1964 381 AG8 Cctton, Herbicides, Wilt (cctton). 4261-68 ECOLOGY OF PLANT PATHOGENS IN SOIL. I. INFLUENCE OF CHITIN AND LIGNIN AMENDMENTS ON THE DEVELOPMENT OF BEAN ROOT ROT. J Sci Food Agr 16(7):II-13-1 Jul 1965 382 S012 Chitin, Fusarium, Lignin, Roct rot (beans). 4262-68 EFFECT OF WING MOVEMENT BY THE GREEN PEACH APHID ON THE THE TEANSMISSION OF LETTUCE MOSAIC VIRUS. D L McLean J Econ Entomol 54(6):1135-1137, 3 REFS. Dec 1961 421 J822 Aprididae, Lettuce, Mosaic (lettuce), Myzus, Plant disease transmission, Wings (insects). 4263-68 GIBBERELLIN AND FUNGICIDES TESTED FOR CONTROL OF BEAN ROT. P Miller Agr Chem 15(2):73, 113, 2 TAES. Feb 1960 381 AG8 Beans, Fusarium, Root rot (beans), Urea-formaldehyde. 4264-68 HEXACHLOROBENZENE FOR THE CONTROL OF ONION SMUT. P Miller Agr Chem 15(1):66-67 Jan 1960 381 AG8 Hexachlorobenzene, Smut (onicn), Urocystis. 4265-68 AIRCRAFT IN PLANT DISEASE CONTROL. P. Miller J I Wood Agr Chem 15(6):62-63, 113-115, 30 REFS., 1 PL., 1 TAB. 1960 381 AG8 Aircraft, Brown rot, Dieback (ulmus), Snow mold (grasses), Wilt (guercus). 4266-68 CORRECT USE OF KARATHANE, SUIFUR CONTROLS POWDERY MILDEW. P. Miller Agr Chem 15(3):75-76, 2 TABS. Mar 1960 381 AG8 Apples, Captan, Dinocap, Podosphaera, Rosa, Sulfur. 4267-68 CHEMICAL CONTROL OF WHEAT RUSTS IN THE UNITED ARAB REPUBLIC. H A Mohamed J Sci Food Agr 16(7):II-13-M Jul 1965 382 S012 Rust (wheat), Sabethane Z, Spraying. 4268-68 FLAG SMUT OF WHEAT. L H Purdy Açr Chem 19(4):91 Apr 1964 381 AG8 Flag smut (wheat), Fungicides. 4269-68 APHID TRANSMISSION OF BEAN VIRUSES IN FIELD BEANS IN CENTRAL WASHINGTON. WASHINGTON. R S Robertson Jr E C Klostermeyer J Econ Entomol 54(3):414-416, 14 REFS., 3 TABS. Jun 1961 421 J822 Aphididae, Beans, Insect vectors, Mosaic (beans), Myzus, PAGE 20

Washington.

4270-68 SOLA AND THE ATTACK OF SEEDLINGS BY PYTHIUM DEBARYANUM. D Seidel J Sci Food Agr 16(7):II-13-2 Jul 1965 382 S012 Brassica, Pythium, Seedlings, Soil sterilization. 4271-68 ORNAMENTAL PLANTS AS VIEUS RESERVOIRS. F F Smith J Econ Entomol 54(3):506-508, 24 REFS. Jun 1961 421 J822 Dahlia, Gladiolus, Vegetables, Virus diseases (plants). 4272-68 CONTROL OF WHEAT DWARF BUNT. L J Tyler N F Jensen Agr Chem 19(4):91, 127, 5 REFS. Apr 1964 381 AG8 Fertilizers, Hexachlorobenzene, Stinking smut (wheat), Wheat. 4273-68 PLANT CHARACTERISTICS OF PHASEOLUS VULGARIS ASSOCIATED WITH POTATO LEAPHOPPER NYMPHAL INFESTATION. D Wolfenbarger J P Sleesman J Econ Entomol 54 (4):705-707, 8 REFS. Aug 1961 421 J822 Beans, Empoasca, Mosaic (beans).

Arthropods

4274-68 USDA TESTS EFFECTS OF INSECT PATHOGENS. USDA TESTS EFFECTS OF TREBET FAIledense Agr Chem 20(10):103 Oct 1965 381 AG8 Apis mellifera, Bacillus thuringiensis, Beauveria, Biological control (insects), Insect diseases, Microorganisms, Nuclear polyhedrosis virus. 4275-68 USDA REPORT HIGHLIGHTS ADVANCES IN PEST RESEARCH AND CONTROL. Agr Chem 19(2):48, 116 Feb 1964 381 AG8 Anthonomus grandis, Attractants, Chemosterilants, Cotton, Viruses. 4276-68 PRIOR LOCAL APPROVAL IS KEY TO SUCCESSFUL SPRAY PROGRAMS. Agr Chem 15(6):120 Jun 1960 381 AG8 Aerial spraying, Connecticut, DDT , Porthetria. 4277-68 USDA RELEASES INSECTS. Agr Chem 19 (6):54B Jun 1964 381 AG8 Alternanthera philoxeroides, Chrysomelidae, Cytisus scoparius, Moths. 4278-68 BELTWIDE COTTON-MECHANIZATION CONFERENCE. Agr Chem 15(2):46-47, 117 Feb 1960 381 AG8 Cotton, Spraying. 4279-68 USDA CLEARS HEPTACHLOR USE ON FOOD CROPS. Agr Chem 15 (3):40, 123, 1 TAB. Mar 1960 381 AG8 Cotton, Grasshoppers, Heptachlor, Heptachlor epoxide, Pesticide residues. 4280-68 BOLL WEEVIL CAMPAIGN BEGINS SECOND PHASE. Agr Chem 20(10):98 Oct 1965 381 AG8 Aerial pest control, Anthonomus grandis, Cotton,

Natural control (insects). 4281-68 WISCONSIN PESTICIDE CONFERENCE. Agr Chem 15(2):33-34, 107-108 Feb 1967 381 AG8 Aldrin, Cercopidae, Corn, Grasshoppers, Heptachlor, Malathion, Methoxychlor, Parathion, Soil insects. STUDIES OF THE EGGS OF A STRAIN OF TWO-SPOTTED SPIDER MITE, TETRANYCHUS TELARIUS, RESISTANT TO FARATHION. J K Abul-hab E M Stafford J Econ Entomol 54 (3):591-595, 16 REFS., 5 TABS. Jun 1961 421 J822 Beans, Diazinon, Dicofol, Eggs, Insecticide resistant insects, Leaves, Malathion, Parathion, Tetradifon, Tetranychus. 4283-68 EFFECT OF INSECTICIDE FERTILIZER MIXTURES AND SEED TREATMENTS ON EMERGENCE OF SUGAR BEET SEEDLINGS. W R Allen W I Askew K Schreiber J Econ Entomol 54(1):181-186 Feb 1961 421 J822 Carbophenothion, Diazinon, Phorate, Seed treatment, Sugar beets, Tetanops. 4284-68 ACARICIDAL ACTIVITY OF CELLULOSE POLYMERS. H E Aller J A Naegele J Econ Entomol 54(3):511-513, 6 REFS. Jun 1961 421 J822 Jun 1961 421 3822 Cellosize, Cellulose polymers, Ceron N-4S, CMC Cellulose Gum 7L, Hydroxyethylcellulose, Hydroxypropyl starch, Methocel, Methylcellulose, MC-4000, Rosa, Sodium carboxymethyl cellulose, Tetranychus. 4285-68 BIOLOGICAL ACTIVITY AND LOCALIZATION OF PHORATE RESIDUE TCXINS IN SOIL-DRENCH TREATED CHRYSANTHEMUMS. M A Anderson J T Schulz E T Hibbs J Econ Entomol 54 (5):827-832, 12 REFS. Aug 1961 421 J&22 Chrysanthemum, Phorate, Toxins. 4286-68 SEASONAL LOSSES IN RANGELAND VEGETATION DUE TO GRASSHOPPERS. N L Anderson J Econ Entomol 54(2):369-378, 10 REFS., 6 TABS. Apr 1961 421 J822 Grasshoppers, Ranges, Vegetation. 4287-68 FIELD STUDIES ON EGG PREDATORS OF THE BOLLWORM, HELIOTHIS ZFA (BODDIE). K O Bell W H Whitcomb Fla Entomol 47(3):171-180, 13 REFS., 1 FIG., 3 TABS. Sep 1964 420 F662 Coccinella, Coleomegilla, Geocoris, Heliothis zea, Hippodamia, Orius. 4288-68 LABCRATORY TESTS WITH TOXAPHENE. DDT, AND SEVIN AGAINST LYGUS HESPERUS CN COTTON. G T Bottger A N Sparks J Econ Entomol 54(6):1261, 3 REFS. 1961 421 J822 Dec Arizona, Carbaryl, Cotton, DDT , Lygus, Toxaphene. 4289-68 CHEMICAL CONTROL OF THE RICE WATER WEEVIL. C C Bowling J Econ Entomol 54 (4):710-712, 7 REFS. Aug 1961 421 J822 Aldrin, Heptachlor, Larvae, Lissorhoptrus, Rice. 4290-68 EUROPEAN CORN BORER CONTROL IN POTATOES. D F Bray J Econ Entomol 54 (4):782-784, 5 REFS. Aug 1961 421 J822 Carbaryl, Corn, DDT, Endosulfan, Kepone, Myzus, Phorate, Płosphamidon, Potatoes, Pyrausta. 4291-68 A NEW APPROACH TO BOLL WEEVIL CONTROL. J R Brazzel T B Davich L D Harris J Econ Entomol 54 (4):723-730, 14 REFS. Aug 1961 421 J822

Anthonomus, Cotton, Methyl parathion. 4292-68 EFFECTIVENESS OF FOLIAR SPRAYS FOR CONTROL OF FULLER ROSE BEETLE ON FLORIDA CITRUS. R C Bullock Fla Entomol 48(3):159-161, 6 REFS., 1 TAB. Sep 1965 420 F662 Azinphosmethyl, Carbophenothion, Citrus, Florida, Malathion, Fantomorus, Parathion 4293-68 DOSAGE LEVELS AND SEASONAL BELAVIOR OF INSECTICIDES USED IN CONTROL OF EUROPEAN PINE SHOOT MOTH. J W Butcher R B Carlson J Econ Entomol 54(5):987-989, 5 REFS. Aug 1961 421 J822 Carbaryl, Dimethoate, DDT, Malathion, Methoxychlor, Rhyacionia. 4294-68 SEASONAL HISTORY AND CONTROL OF THE ALFALFA WEEVIL IN NORTH CAROLINA. W V Campbell T G Bowery K G Jester J Econ Entomol 54(4):743-747, 9 REFS. Aug 1961 421 J822 Alfalfa, Heptachlor, Hypera, Weather. 4295-68 A NEW UNDULAMBIA SPECIES ON LEATHER-LEAF FERN IN FLORIDA, AND NOTE ON A CLOSELY RELATED CENTRAL AMERICAN SPECIES (LEFIDOPTERA: PYRAUSTIDAF, NYMPHULINAE). H W Capps Fla Entomol 48(3):155-157, 1 REF., 1 FIG. Sep 1965 420 F662 Leather-leaf fern, Undulambia. 4296-68 LYGUS BUG DAMAGE TO TABLE BEET SEED PLANTS. E C Carlson J Econ Entomol 54(1):117-119 Feb 1961 421 J822 Lygus, Seed sugar beets, Seed viability. 4297-68 EVALUATION OF STALK SHEEDDERS AND CUTTERS FOR PINK BOLIWORM CONTROL. A J Chapman C T Robertson L W Noble J Econ Entomol 54(4):791-792, 2 REFS. Aug 1961 421 J822 Cotton, Larvae, Pectinophora gossypiella, Stalk cutters, Stalk shredders. 4298-68 EFFECTIVENESS OF INSECTICIDES AGAINST THE RUSTY PLUM APHID AND ANTS. L J Charpentier J Econ Entomol 54(1):204 Feb 1961 421 J822 Carbophenothion, Demeton, Dimethoate, Hysteroneura, Iridomyrmex, Malathion, Mosaic (sugarcane), Sugarcane. 4299-68 INTERACTIONS OF THE EUROPEAN CORN BORER AND STALK ROT IN CORN. H C Chiang R D Wilcoxson J Econ Entomol 54(5):850-852, 2 REFS. Aug 1961 421 J822 Corn, Pyrausta, Stalk rot (corn). 4300-68 THE EFFECT OF CENTRIFUGAL FORCE ON PINK BOLLWORM LARVAE. E W Clark C A Richmond J Econ Entomol 54(6):1262-1263, 4 REFS. Dec 1961 421 J822 Centrifugal force, Drosophila melanogaster, Larvae, Musca domestica, Pectincphora gossypiella. 4301-68 NI-06 INFLUENCE OF CAGING AND TRANSPERRING TECHNIQUES ON APHID MORTALITY AND VIRUS TRANSMISSION. P P Cook E S Sylvester J Econ Entomol 54 (1): 101-103 Feb 1961 421 J822 Aphididae, Insect vectors, Sugar beets. 4302-68 SYSTEMIC INSECTICIDAL ACTION OF CERTAIN PHOSPHATES IN PINUS STROBUS AGAINST DIPRION SIMILIS. H C Coppel D M Norris Jr

20 4303-68 J Econ Entomol 54(5):1061-1062, 2 REFS. Aug 1961 421 J822 Diprion, Pinus, Ulmus. 4303-68 CONTROL OF SEVERAL COTTON INSECTS IN FIELD EXPERIMENTS IN C B Cowan Jr C R Parencia Jr J W Davis J Econ Entomol 54 (5):1011-1014, 4 REFS. Aug 1961 421 J822 Anthonomus grandis, Azinphosmethyl, Carbaryl, Cotton, DDT , Heliothis zea, Malathion, Strobane, Toxaphene. 4304-68 EVALUATION OF INSECTICIDES FOR THE CONTROL OF THE GRAPE BERRY MCTH, FARALGEESIA VITEANA. J A Cox J Econ Entomol 54(5):853-855, 6 REFS. Aug 1961 421 J822 Azínphosmethyl, Carbaryl, Diazinon, DDT , Grapes, Paralobesia, Parathion. 4305-68 GREENEUG CONTROL WITH DI-SYSTON USED AS A SOIL TREATMENT. N E Daniels J Econ Entemol 54(3):606-607, 4 REFS. Jun 1961 421 J822 Disulfoton, Grain, Soil treatment, Toxoptera. 4306-68 CCNTROL OF PEA ENATION MOSAIC IN PEAS WITH INSECTICIDES. A C Davis F L McEwen W T Schroeder J Econ Entomol 54(1):161-166 Feb 1961 421 J822 Acyrthosiphon, Demeton, Diazinon, Enation mosaic (peas), Parathion, Peas. 4307-68 JUI-06 FIELD EXPERIMENTS FOR CONTROL OF THEIPS, COTTON FLEAHOPPERS, AND OVERWINTERED FOLL WEEVILS IN 1960. J W Davis C R Farencia Jr C E Cowan Jr J Econ Entomol 54(5):966-970, 5 REFS., 3 TAES. Aug 1961 421 J822 Anthonomus grandis, Cotton, DDT , Fenthion, Frankliniella, Psallus, Strobane, Texas, Toxaphene. 4308-68 SOME ERIOPHYID MITES OCCURRING IN GEOLGIA WITH DESCRIPTIONS OF THREE NEW SPECIES. R Davis Fla Entomol 47(1):17-27, 5 REFS., 3 FIGS. Mar 1964 420 F662 Aceria, Aculus, Juglans, Nyssa, Persimmons, Populus. 4309-68 AUTECOLOGICAL STUDIES OF RHYNACUS BREITLOWI DAVIS. (ACARINA: ERIOPHYIDAE). R Davis Fla Entomol 47(2):113-121, 19 REFS., 1 FIG., 3 TABS. Jun 1964 420 F662 Magnolia, Rhynacus. 4310-68 RECENT DEVELOPMENTS IN THE INSECTICIDAL CONTROL OF THE APPLE MAGGCT. R W Dean N w Dean J Econ Entomol 54(3):467-475, 4 REFS., 4 TABS. Jun 1961 421 J822 Apples, Diazinon, Dow Et-15, Endrin, Isodrin, O-methyl 0-2,4,5-trichlorophenyl phosphoramidothioate, 0,0-diethyl-0-3-(2-propyl-6-methyl-4-pyrimidinyl) phos-, Phorothioate, Pirazinon, Rhagoletis, Ronnel, Trichlorfon. 4311-68 FEEDING HABITS OF HEMILEIUS NEW SPECIES (ACARI: CRYPTO-STIGMATA: ORLEATULIDAE) ON FLORIDA ORCHIDS. H A Denmark J P Woodring Fla Entomol 48(1):9-16, 7 REFS., 3 FIGS. Mar 1965 420 F662 Aerial roots, Hemileius, Orchidacae, Oribatulidae. 4312-68 NEW TENUIPALPIDAE (FALSE SPIDER MITES) FROM BRITISH GUIANA WITH NOTES ON FOUR DESCRIBED SPECIES. D DeLeon Fla Entomol 48(1):65-75, 9 REFS., 3 PLS. Mar 1965 420 F662 Brevipalpus, Citrus, Coconuts, Priscapalpus, Tenuipalpus.

4313-68 FIELD TESTS WITH INSECTICIDES TO CONTROL SPOTTED ALFALPA APHID IN SOUTHWESTERN KANSAS, 1955-1960. L J DePew J Econ Entomol 54(6):1144-1147, 11 REFS. Dec 1961 421 J322 Alfalfa, Azinphosmethyl, Carbaryl, Carbophenothion, Dicofol, Malathion, Mevinphos, Naled, Parathion, Therioaphis. 4314-68 CONTROL OF VETCH BRUCHID, BRUCHID BRACHIALIS, IN OREGON. E A Dickason J D Lattin J Econ Entomol 54 (2):219-221 Apr 1961 421 J822 Azinphosmethyl, Bruchus, DDT , Malathion, Methoxychlor, Naled, Oregon, Vetch. 4315-68 315-68 INSECTICIDE RESIDUES ON RED CLOVER AFTEE CLOVER BOOT BORER CONTROL WITH ALDRIN AND HEPTACHLOE GRANULES. E A Dickason L C Terriere J Econ Entomol 54(5):1058-1059, 6 REFS. Aug 1961 421 J822 Aldrin, Heptachlor, Hylastinus, Insecticide residues, Red clover. 4316-68 BACILLUS THURINGIENSIS TESTED IN CONNECTICUT FOR GYPSY MOTH CCNTROL. C C Doane S W Hitchcock Agr Chem 19(4):53-54, 3 TABS. Apr 1964 381 AG8 Porthetria dispar, Spraying, Thuricide. EXPERIMENTS WITH INSECTICIDES APPLIED IN THE SOIL FOR TOBACCO FLEA BEETLE AND GREEN PEACH APHID CONTROL. C B Dominick 4317-68 J Econ Entomol 58(2):224-225, 3 REFS. Apr 1965 421 J822 Epirix, Flue-cured tobacco, Myzus, Tobacco. 4318-68 INSECTS ACTIVE IN SOUTH DURING SPRING. K Dorward Agr Chem 15(6):71, 107-108 Jun 1960 381 AG8 Aphididae, Chorizagrotis, Circulifer, Insect outbreaks, Musca, Ostrinia, Schizaphis, Southern United States, Weather. 4319-68 INCREASED EARLY INSECT DETECTION BEARING FRUIT. K Dorward Agr Chem 15(3):69, 111 Mar 1960 381 AG8 Haplothrips, Lettuce, Musca, Trichoplusia, Trogoderma. 4320-68 GENERAL INSECT ACTIVITY RESTRICTED. K. Dorward Agr Chem 15(4):65, 119 Apr 1960 381 AG8 Aphididae, Circulifer, Lettuce, Schizaphis, Trichoplusia. 4321-68 SYSTEMIC INSECTICIDES FCR CONTROL OF APHIDS ON FIELD-GROWN EASTER LILY. C F Doucette J Econ Entomol 54 (3):595-597, 2 REFS. Jun 1961 421 J822 Aphididae, Demeton, Disulfoton, Lilium longiflorum, Phorate. 4322-68 TESTS WITH SYSTEMIC INSECTICIDES ON RICE. C C Dowling J Econ Entomol 54(5):937-941, 7 REFS. Aug 1961 421 J822 Disulfoton, Field crops, Phorate, Rice. 4323-68 POLYBUTENES IN ORCHARD FEST CONTROL. R S Downing Can Entomol 94(11):1222-1227, 7 REFS.

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Panonychus, Polybutenes, Tetranychus.

4324-68 PEAR LEAF SCORCH AND ITS RELATION TO THE EUROPEAN RED MITE. G G Dustan A B Stevenson J Econ Entomol 54(5):918-920, 5 REFS. Aug 1961 421 J822 DDT , Ethion, Panonychus, Parathion, Pear leaf scorch, Pears. 4325-68 CONTROL OF THE CABBAGE LOOPER WITH A NUCLEAR POLYHEDROSIS VIRUS DISEASE. J C Elmore J Econ Entomol 54(1):47-50 Feb 1961 421 J822 Cabbage, Polyhedroses, Trichcplusia. 4326-68 326-68 PREDISPOSITION OT PYTHIUM SEEDLING DISEASE AND AN ACTIVATED CHARCOAL-FUNGICIDE INTERACTION AS PACTORS INFLUENCING EMERGENCE OF COTTON SEED TREATED WITH PHORATE. D C Erwin H T Reynolds M J Garber J Econ Entomol 54 (5):855-858, 8 REFS. Aug 1961 421 J822 Charcoal, Cotton, Disulfoton, Fungicides, Phorate, Pythium, Condition Seedlings. 4327-68 BIOLOGICAL NOTES ON FIVE RECENTLY IMPORTED PARASITES OF THE EGYPTIAN ALFALFA WEEVIL, HYPERA BRUNNEIPENNIS. T W Fisher E I Schlinger R van den Bosch J Econ Entomol 54(1):196-197 Feb 1961 421 J822 Bathyplectes, Ditrachoides, Habrocytus, Hypera, Patasson. 4328-68 LCNG-TERM EFFECTIVENESS OF SCIL INSECTICIDES ON THE ALFALFA SNOUT BEETLE LARVA. H Y Forsythe Jr C S Koehler G G Gyrisco J Econ Entomol 54(3):601, 1 REF. Jun 1961 421 J822 Aldrin, Alfalfa, Brachyrhinus, Dieldrin, Heptachlor, Larvae. 4329-68 CONTROL OF INSECTS AND MITES ATTACKING MINT IN CENTRAL WASHINGTON. K E Frick J Econ Entomol 54(4):644-649, 12 REFS. Aug 1961 421 3822 Carbophenothion, Diazinon, Dicofol, Ethion, Mentha spicata, Mevinphos, Naled, Parathion, Tetradifon, Tetranychus, Washington. 4330-68 FIELD EXPERIMENTS CN CONTROL OF OVERWINTERED BOLL WEEVILS. R E Fye A R Hopkins R L Walker J Econ Entomol 54(4):622-624, 2 REFS. Aug 1961 421 J822 Anthonomus grandis, Azinphosmethyl, Carbaryl, Cotton, DDT , Endrin, Hibernation, Malathion, Methyl parathion, Molasses, Toxaphene. 4331-68 SCME STEM BORING INSECTS ASSOCIATED WITH SOYBEANS IN FLOR-IDA. W G Genung V E Green Jr Fla Entomol 48(1):29-33, 24 REFS., 1 FIG. Mar 1965 420 F662 Florida, Hippopsis, Selenis, Sesbania, Soybeans. 4332-68 CCNTROL OF CERTAIN PCTATO INSECTS IN ARIZONA WITH SOIL APPLICATIONS OF GRANULATED PHORATE. P D Gerbardt D L Turley J Econ Entemol 54(6):1217-1221, 7 REFS., 8 TABS. Dec 1961 421 J822 Arizona, Myzus persicae, Phorate, Potatoes, Soils. 4333-68 SCRGHUM AS A HOST OF THE SOUTHWESTERN CORN BORER. J R Gifford R R Walton K D Arbuthnot J Econ Entomol 54(1):16-21 Feb 1961 421 J822 Sorghum, Zeadiatraea. 4334-68 CARBON DISULFIDE EFFECTIVENESS ON FLOUR BEETLES IN RELATION TO TEMPERATURE AND EXPOSURE TIME. M Govindan L K Cutkomp J Econ Entomol 54(6):1121-1127, 8 REFS. Dec 1961 421 J822

Carbon disulfide, Flour, Temperature, Tribolium. 4335-68 335-68 CONTROL OF THE TADPOLE SHRIMP, TRIOPS LONGICAUDATUS IN CALIFORNIA RICE FIELDS. A A Grigarick W H Lange D C Frinfrock J Econ Entomol 54(1):36-40 Frindrock 1992 Feb 1961 421 J822 Carbaryl, Copper sulfate, DDT , Malathion, Rice, Shellfish, Triops. 4336-68 USE OF TEST CROSSES IN BREEDING CORN FOR RESISTANCE TO EUROPEAN CORN BORER. W D Guthrie G H Stringfield J Econ Entomol 54(4):784-787, 13 REFS. Aug 1961 421 J822 Corn, Crop breeding, Insect genetics, Plant insect resistance, Pyrausta. 4337-68 GRANULARS: THEIR PRESENT AND FUTURE USES. C Y Haas J R Meehan Agr Chem 19(2):57, 115 Feb 1964 381 AG8 Insecticides. 4338-68 LABORATORY CULTURE AND DEVELOPMENT IN ELAPHRIA NUCICOLORA (LEFIDOPTERA: NOCTUIDAE). D H Habeck Fla Entomol 48(3):187-188, 3 REFS. Sep 1965 420 F662 Elaphria, Florida, Sugarcane, Watermelons. 4339-68 PHORATE ACCUMULATION BY COTTON PLANTS AND RECOVERY FROM SOIL. J Hacskaylo D A Lindquist J C Clark J Econ Entomol 54(3):411-413, 6 REFS., 4 TABS. Jun 1961 421 J822 Aphididae, Cotton, Phorate. 4340-68 EMERGENCE OF PHORATE-TREATED COTTON SEED AS AFFECTED BY SUBSTRATE MOISTURE AND TEMFERATURE. J Hacskaylo C D Ranney J Econ Entomol 54(2):296-298 Apr 1961 421 J822 Cotton, Phorate, Seed treatment, Seeds, Soil fumigation. 4341-68 STUDIES ON THE CONTROL OF THRIPS ATTACKING ONIONS. J A Harding J Econ Entomol 54 (6):1254-1255, 10 REFS. Dec 1961 421 J822 Dieldrin, Ethion, Frankliniella, Malathion, Onions, Parathion, Ronnel, Texas, Thrips. 4342-68 EVALUATION OF INSECTICIDES FOR CONTROL OF THE TOBACCO THEIPS ON PEANUTS. J A Harding J Econ Entomol 54(1):200-201 Peb 1961 421 J822 Carbophenothion, Diazincn, DDT , Ethion, Frankliniella, Lindane, Parathion, Peanuts, Texas, Toxaphene. 4343-68 GRANULAR SYSTEMIC INSECTICIDES APPLIED TO SPINACH, TURNIPS, AND CABBAGE FOR INSECT CONTROL. J A Harding D A Wolfenbarger Fla Entomol 47 (2):97-102, 4 REFS., 3 TABS. Jun 1964 420 F662 Brevicoryne, Cabbage, Diabrotica, Phyllotreta, Spinach, Trichoplusia, Turnips. 4344-68 EFFECT OF INSECTICIDES ON EMERGENCE OF SUGAR-BEET SEEDLINGS AND ON CONTROL OF THE SUGAR-BEET ROOT MAGGCT. A M Harper C E Lilly P Bergen J Econ Entomol 54 (5):895-900. 7 REFS., 4 TABS. Aug 1961 421 J822 Carbophenothion, Ethion, Fenthion, Heptachlor, Seedlings, Sugar beets, Tetanops. 4345-68 EFFECT OF CERTAIN ANTIBIOTICS AND OTHER COMPOUNDS ON THE TWO-SPOTTED SPIDER MITE. F H Harries

20 4346-68 J Econ Entonol 54(1):122-124 Feb 1961 421 J822 Carbaryl, Cycloheximide, Cyctovirin, Brythromycin, Tetracycline, Tetranychidae. 4346-68 EFFECTS OF MIXTURES OF CUBE WITH VARIOUS DRUGS ON THE MEXI-CAN BEAN BEETLE. F H Harries J Econ Entomol 54(3):599-600, 7 REFS. Jun 1961 421 J822 Beans, Leaves, Rotenone. 4347-68 DDT SPRAY FORMULATIONS AND DOSAGES FOR CONTROL OF CORN STEM WEEVIL, HYPERODES HUMILIS. E D Harris Jr J Econ Entomol 54(3):546-549, 5 REFS. Jun 1961 421 J822 Corn, DDI , Heliothis zea, Hyperodes, Laphygma. 4348-68 ADJUVANTS IN SPRAYS FOR INSECT CONTROL ON SWEET CORN. F D Harris Jr Fla Entomol 48(3):147-153, 6 REFS., 4 TABS. Sep 1965 420 F662 Corn, DDT , Heliothis zea, Hyperodes, Spodoptera, Toxaphene. 4349-68 WIREWORM CONTROL ON SWEET CORN IN ORGANIC SOILS. F D Harris Jr Fla Entomol 48(3):207-211, 2 BEFS., 2 TABS. Aldrin, Chlordane, Conoderus, Corn, Diazinon, Kepone, Melanotus, Potatoes. 4350-68 SEED SYSTEMICS FOR CONTROL OF APHIDS ON OATS AND BARLEY. R F Harwood G W Bruchl J Econ Entomol 54 (5):883-885, 6 REFS. Aug 1961 421 J822 Aphididae, Barley, Bayer 25141, Dimethoate, Disulfoton, Fenthion, Oats, Phorate, Phosphamidon, Seeds. 4351-68 ABAMITE AND KELTHANE SPRAYS FOR TWG-SPOTTED SPIDER MITE CONTROL. i J henneberry A or Chem 19(4):43-46, 131-132, 12 BEFS., 3 TABS. Apr 1964 381 AG8 Aramite, Dicofol, Surface-active agents, Tetranychus urticae. 4352-68 CCNTROL OF MILLIPEDES IN GREENHOUSE SOIL. CCNTROL OF MILLIPEDES IN GREENHOUSE SOIL. T J Henneberry E A Taylor J Econ Entomol 54 (1):197-198 Feb 1961 421 J822 Cyanamid 18133, Dimethoate, Eiplopoda, Endrin, Ethion, Greenhouses, Heptachlor, Lindane, 0,0-diethyl 0-2-pyrazinyl phosphorothioate, Parathion. 4353-68 THE EFFECT OF CLEAN CULTURE AND EARLY SPRING ACARACIDE TREATMENTS ON OVERWINTERING SPIDER MITE POPULATIONS IN CUTDOOR ROSE PLOTS. T J Henneberry E A Taylor J Econ Entomol 54 (6):1255-1256, 5 REFS. Dec 1961 421 J822 Aramite, Rosa, Tetradifon, Tetranychidae, Weather. 4354-68 FOLIAGE AND SOIL TREATMENTS FOR THE CONTROL OF FLOWER THRIPS IN OUTDOOR ROSES. T J Henneberry E A Taylor F F Smith J Econ Entomol 54 (2):233-235 Apr 1961 421 J822 Franklintella, Malathion, Phorate, Rosa. 4355-68 THE EFFECT OF ACARICIDE-FUNGICIDE COMBINATION SPRAYS ON TWO-SPOTTED SPIDER MITE POPULATIONS, BLACKSPOT CONTROL, AND WIN-TFR INJURY TO ROSES. T J Henneberry E A Taylor J G Palmer J Econ Entomol 54 (4):659-661, 13 REFS. Aug 1961 421 J822 Aramite, Captan, Diplocarpon, Ferbam, Malathion, Maneb, Rosa, Tetranychus, Zineb.

4356-68 CONTROL OF SPIDER MITES AND BLACK SPOT ON ROSES WITH ACARACIDE-FUNGICIDE SPRAYS AND DUSTS. T J Henneberry E A Taylor F F Smith A L Boswell J Econ Entemol 54(1):61-63, 6 TABS. Feb 1961 421 J822 Aramite, Black spot (rosa), Demeton, Malathion, Maneb, Rosa, Tetranychidae, Zineb. 4357-68 EFFECTS OF INSECTICIDES ON THE PREDACECUS ARTHROPOD FAUNA OF LOUISIANA SUGARCANE FIELDS. S D Hensley W H Long L R Roddy W J McCormick E J Cocienne J Econ Entomol 54 (1):146-149 Feb 1961 421 J822 Diatraea, Endrin, Predaceous insects, Solenopsis, Sugarcane. INFLUENCE OF TYPHLODROMUS (T.) PYRI SCHEUTEN ON THE DEVELOPMENT OF BRYOBIA ARBOREA M. AND A. POPULATIONS IN THE GREENHOUSE. H J Herbert Can Entonol 94(8):870-873 Aug 1962 421 C16 Apples, Bryobia, Metamorphosis, Typhlodromus. 4359-68 EFFECT OF CURLY TOP AND CUCUMBER MOSAIC VIRUSES ON CANTA-LOUPS O A Hills D L Coudriet R W Brubaker P D Keener J Econ Entomol 54(5):970-972, 5 REFS. Aug 1961 421 J822 Cantaloupes, Curly top (cantaloupes), Mosaic (cucumbers). 4360-68 SYSTEMIC CONTROL OF BARK BEETLE. E B Himelick D Neely Agr Chem 19(2):82 Feb 1964 381 AG8 Dieback (ulmus), Potassium iodide, Scolytidae, Sodium arsenite. 4361-68 UTILIZATION OF A NUCLEAR POLYHEDROSIS VIRUS TO CONTROL THE CABBAGE LOOPER ON COLE CROPS IN VIRGINIA. R N HOFMASTET L P DitMAN J ECOM ENTEMOL 54 (5):921-923, 8 REFS. Aug 1961 421 J822 Broccoli, Cole, DDT , Endrin, Mevinphos, Polyhedroses, Pyrethrum, Toxaphene, Trichoplusia, Virginia. 4362-68 LABORATORY AND FIELD STUDIES CN ORCHARD-MITE RESISTANCE TO KELTHANE. S C Hoyt F H Harries J Econ Entomol 54 (1):12-16 Feb 1961 421 J822 Apples, Dicofol, Insecticide resistant insects, Tetranychus. 4363-68 EVALUATION OF NEW MATERIALS FOR CODLING MOTH CONTROL IN WASHINGTON. S C Hoyt J Econ Entomol 54(6):1127-1130, 9 REFS. Dec 1961 421 322 Apples, Azinphosmethyl, Carbaryl, Carbophenothion, Carpocapsa, Diazinon, DDT, Ethion, Malathion, Parathion, 4364-68 CONTROL OF THE APPLE SUCKER, PSYLLA MALI SCHMIDB., BY THE FUNGUS ENTOMOPHTHORA SPHAEROSPERMA (PRESENIUS). R P Jaques N A Patterson Can Entomol 94 (8):818-825 Aug 1962 421 C16 Apples, Entomophthora, Psylla. 4365-68 PACTORS INFLUENCING CITRUS RED MITE POPULATIONS ON NAVEL ORANGES AND SCHEDULING OF ACARICIDE APPLICATIONS IN SOUTHERN CALIFORNIA. LR Jeppson J O Complin M J Jesser J Econ Entomol 54(1):55-60 Feb 1961 421 J822 Acaricides, California, Oranges, Panonychus. 4366-68

PESTICIDES AND BEES. C Johansen Agr Chem 19(3):40

20 4387-68

Mar 1964 381 AG8 Aldrin, Aramite, Bees, DDT , Malathion, Nicotine, Pesticides. 4367-68 LARVAE OF NCMOPHILA NOCTUEILA FEEDING ON DOUGLAS-FIR NURSERY SEEDLINGS. N E Johnson J & Duffield J Econ Entomol 54 (6):1258-1259, 8 REFS. Dec 1961 421 J822 Larvae, Nomophila, Pseudotsuga. 4368-68 SFRAY PROGRAMS TO CONTROL CITRUS RUST MITE IN FLORIDA. R E Johnson J Econ Entomol 54(5):977-979, 8 REFS., 4 TABS. Aug 1961 421 J822 Chlorobenzilate, Florida, Maneb, Oranges, Phyllocoptruta, Sulfur, Zineb. 4369-68 INCIDENCE OF FIELD SPREAD OF INTERNAL CORK OF SWEET POTATO IN INSECTICIDE-TREATED PLOTS. E J Kantack W J Martin L D Newsom J Econ Entcmol 54(1):125-127 1961 421 J822 Aphididae, DDT , Insect vectors, Internal cork virosis, 0-0-diethyl S-iscpropylthiomethyl phosphorodithioate, Sweet potatoes. 4370-68 CONTROL OF HUNTING BILLBUGS. S H Kerr Pla Entomol 47(4):269-270, 2 REFS., 1 TAB. Dec 1964 420 F662 Eayer 25141, Disulfoton, Florida, Phorate, Sphenophorus, Zoysiagrass. 4371-68 HARVESTER ANT CONTROL. G F Knowlton Agr Chem 19(5):112 May 1964 381 AG8 Messor, Mirex. 4372-68 THE ECONOMIC IMPORTANCE OF THE CLOVER ROOT BORER. J Econ Entomol 54 (4):631-635, 15 REFS. Aug 1961 421 J822 Agricultural economics, Aldrin, Dieldrin, Heptachlor, Hylastinus, Red clover. 4373-68 PAVEMENT ANI ATTACKING SUGAR BRETS IN CALIFORNIA. W H Lange J Econ Entomol 54(5):1063-1064, 2 REFS., 2 FIGS. Aug 1961 421 J822 California, Chlordane, Sugar beets, Tetramorium. 4374-68 TESTS WITH SOME INSECTICIDES AGAINST THE PADDY BORER. SCBOENOBIUS INCERTULAS, IN TAIWAN. S-y Lee J Econ Entomol 54(4):707-710 Aug 1961 421 J822 Bayer 41831, Dimethoate, Endrin, Parathion, Rice, Schoenobius, Taiwan. 4375-68 INSECTICIDAL SUSCEPTIBILITY OF NYSIUS RAPHANUS, A PEST OF COTTON. T F Leigh J Econ Entomol 54(1):120-122 Feb 1961 421 J822 Carbaryl, Cotton, Dieldrin, EDT , Malathion, Nysius, Toxaphene, Trichlorfon. 4376-68 SYSTEMIC ACTIVITY OF DIMETBOATE APPLIED TO COTTON SEEDS. D A Lindquist J Hacskaylo J C Clark I B Davich J Econ Entomol 54 (6):1132-1135, 18 REFS. Dec 1961 421 J822 Anthonomus grandis, Aphis, Cotton, Dimethoate, Phorate, Seeds. 4377-68 PREFERRED FEEDING AND EGG LAYING SITES OF THE BOLL WEEVIL AND THE EFFECT OF WEEVIL DAMAGE ON THE COTTON PLANT. E P Lloyd J L McMeans M E Merkl

J Econ Entomol 54(5):979-984, 7 REFS., 3 TABS., 4 FIGS. Aug 1961 421 J822 Anthonomus grandis, Cotton, Eggs, Feeding. 4378-68 INTRODUCTION OF EUROPEAN PARASITES OF SITONA SPP. FOR CONTROL OF THE SWEETCLCVER WEEVIL, SITONA CYLINDRICOLLIS, IN CANADA. C Loan J Econ Entomol 54(5):1026-1031, 18 REFS., 4 FIGS. Aug 1961 421 J822 Canada, Sitona, Sweetclever. 4379-68 DUAL LOW DOSAGE APPLICATIONS OF HEPTACHLOR FCR CONTROL OF THE IMPORTED FIRE ANT. C S Lofgren C E Stringer Jr F J Bartlett W A Banks Pla Entomol 48(4):265-270, 2 REFS., 2 TABS. Dec 1965 420 F662 Heptachlor, Solenopsis. 4380-68 FIELD TESTS WITH NEW INSECTICIDES FOR SUGARCANE BORER CON-TROL IN LOUISIANA IN 1960. W H Long S D Hensley E J Concienne W J McCormick J Econ Entomol 54 (6):1155-1156, 3 REFS. Dec 1961 421 J822 Bacillus thuringiensis, Diatraea, Dimethoate, EPN , Endrin, Fenthion, Nematocide 18133, 0,0-diethyl 0-2-pyrazinyl phosphorothioate, Phorate. 4381-68 CLOVER MITE CONTROL STUDIES. D MacCreary W A Connell J Econ Entomol 54(5):1062-1063, 1 REF. Aug 1961 421 J822 Bryobia, Clover, Dichlorophenyl, 2-4, Dicofol, Genite EM-923, Malathion. 4382-68 EVALUATION OF INSECTICIDES AND SAMPLING METHODS AGAINST THE APPLE APHLD, APHLS FCMI. H P Madsen P H Westigard L A Falcon J Econ Entomol 54 (5):892-894, 6 REFS. Aug 1961 421 J822 Aphididae, Aphis, Apples, Dimethoate, Sampling (statistics). 4383-68 LIFE HISTORY AND BIOLOGICAL CONTROL OF CALIGO EURILCCHUS, A PEST OF BANANAS. Malo E R Willis J Econ Entomol 54(3):530-536, 4 REFS., PL. Jun 1961 421 J822 Bananas, Lepidoptera, Nymphalidae, Xenufens. 4384-68 RESISTANCE OF SWEETCLOVER TO THE SWEETCLOVER APHID. G R Manglitz H J Gorz J Econ Entomol 54 (6):1156-1160, 10 REFS. Dec 1961 421 J822 Sweetclover, Therioaphis. 4385-68 LABORATORY TESTS OF SOME INSECTICIDES AGAINST ADULTS OF THE APPLE MAGGOT, RHAGOLETIS POMONELLA. C W Maxwell J Econ Entomol 54(3):526-528 Jun 1961 421 J822 Apples, Azinphosmethyl, Calcium arsenate, Carbaryl, Diazinon, Diptera, DDT , Lead arsenate, Malathion, Trypetidae. 4386-68 BIOLOGY OF THE FOUR-SFOTTED FUNGUS BEETLE, GLISCHROCHILUS Q. QUADRISIGNATUS AND ITS EFFECT ON EUROPEAN CORN BORER C E McCoy T A Brindley J Econ Entopol 54(4):713-717, 12 REFS. Aug 1961 421 J822 Corn, Glischrochilus, Insect biology, Ostrinia. 4387-68 TESTS WITH INSECTICIDES FOR SEED-CCRN MAGGET CONTROL IN LIMA BEANS. F L McEwen A C Davis J ECON Entomol 58(2):369-370, 1 REF., 1 TAB. Apr 1965 421 J822

Diazinon, Dieldrin, Dimethoate, Hylemya, Insect control, Lima beans, Lindane.

20 4388-68 4388-68 FIELD TESTS WITH INSECTICIDES FOR PINK BOLLWORM CONTROL IN 1958. 1958. R L McGarr A J Chapman W L Lowry J Econ Entomol 54(5):972-974 Aug 1961 421 J822 Azinphosmethyl, Bayer 25141, Benzene hexachloride, Carbaryl, Cotton, DDT , Penthion, Heliothis zea, Pectinophora gossyriella. 4389-68 AERIAL APPLICATION OF VIRUS FOR CONTROL OF A PINE SAWFLY, MENDIPRION FRATI FRATTI. T MCIntyre S R Dutky J Fcon Entomol 54 (4):809-810, 4 REFS. Aug 1961 421 J822 Aerial spraying, Pinus, Viruses. 4390-68 EARLY GERM FEEDING AND LARVAL DEVELOPMENT OF THE ANGOUMOIS GRAIN MOTH. R B Mills J Econ Entomol 58(2):220-223, TABS. Apr 1965 421 J822 Larvae, Metamorphosis, Pupae, Sitotroga. 4391-68 A COMPARISON OF THE INJURY TO ALPALFA BY THE APHIDS, THER-T E MACULATA AND MACROSIFHOM PISI. T E Mittler E S Sylvester J Econ Entomol 54(4):615-622, 19 REFS. Aug 1961 421 J822 Alfalfa, Aphididae, Plant injuries. 4392-68 DASIOPS ALVEOFRONS, A NEW PEST OF APRICOTS IN CALIFORNIA. H R Moffitt F R Yaruss J Econ Entemol 54(3):504-505, 12 REFS. Jun 1961 421 J822 Arricots, Califernia, Dasiops, Lonchaea. 4393-68 CONTROL OF THE ANGOUMOIS GRAIN MOTH, SITOTROGA CEREALELLA, IN STORED EARCORN WITH MALATHION IN ILLINOIS, 1959-1960. S Noore III g C Decker J Econ Entomol 54(3):479-482, 4 REFS. Jun 1961 421 J822 Angoumois, Corn, Illinois, Malathion. 4394-68 THE POPULATION OF PHYTOSEIIDAE ON FLORIDA CITRUS. M H Muma Fla Entomol 47(1):5-11, 9 REFS., 4 TABS. Mar 1964 420 F662 Ambylseius, Citrus, Florida, Phytoseiidae. 4395-68 PHYTOTOXICITY OF WETTING AGENTS ON LYCHEE. S Nakata Y Tanada J Econ Entomol 54(6):1074-1076, 9 REFS. Dec 1961 421 J822 Iso-octyl phenoxy polyethoxy ethanol, Lychee, Phytotoxicity, Surface-active agents, Triton X-100. 4396-68 EFFECTS OF SEASONAL RAINPALL ON RANGE CONDITION AND GRASSHOPFER POPULATICN, SAN CARLOS APACHE INDIAN RESERVATION, ARIZONA. N J Nerney A D Econ Entomol 54(2):382-385, 4 REFS., 1 TAB. Apr 1961 421 J822 Grasshoppers, Weather. 4397-68 CCNTROL OF RED RUST THRIPS ON BANANAS IN HONDURAS. J L Nickel J Econ Entomol 54(6):1071-1074, 4 REFS. Dec 1961 421 J822 Bananas, Chaetanophothrips, Lieldrin, Honduras. 4398-68 CCNTROL OF THE APPLE MAGGOT AND PLUM CURCULIO WITH SOIL INSECTICIDES. E R Oatman E P Lichtenstein J Econ Entomol 54(5):1056-1057, 5 REFS. Aug 1961 421 J822 Aldrin, Apples, Conotrachelus, Dieldrin, Heptachlor, Plums, Rhagoletis.

4399-68 CONTROL OF PECAN NUT CASEBEARER. A M Fhillips Pla Entomol 47(1):45-47, 3 REFS., 2 TABS. Mar 1964 420 F662 Acrobasis, DDT, Malathion, Parathion, Pecans. 4400-68 COTTON FIBER QUALITY AS RELATED TO SOME COTTON INSECT CON-TROL FROGRAMS AND TIME OF PRUIT SETTING. L Phillips A D Oliver L Finley J Econ Entomol 54(6):1131-1132 Dec 1961 421 J822 Azinphosmethyl, Cotton, DDT , Fibers, Methyl parathion, Toxaphene. 4401-68 AN EVALUATION OF INSECT RESISTANCE IN BROCCOLI, BRUSSELS SPROUTS, CAEBAGE, COLLARDS, AND KALE. D Pimentel J Econ Entomol 54(1):156-158 Preb 1961 421 J822 Brassica, Brevicoryne, Chrysomelidae, Insect resistant plants, Insects, Lygus, Myzus, Phyllotreta, Pieris. 4402-68 NATURAL CONTROL OF CATERPILLAR POPULATIONS ON COLE CROPS. D Pimentel J Econ Entomol 54(5):889-892, 10 REFS. Aug 1961 421 J822 Caterpillars, Cole, Natural control (insects). 4403-68 NATURAL CONTROL OF APHID POPULATIONS CN COLE CROPS. D Pimentel J Econ Entomol 54(5):885-888, 14 REFS. Aug 1961 421 J822 Aphididae, Cole, Natural control (insects), Population. 4404-68 CYCLICAL CHANGES IN NUMBERS OF MOTHS AND LARVAE OF THE PEACH TWIG BORER IN CALIFORNIA. P W Price F M Summers J Econ Entomol 54(5):933-936, 5 REPS. Aug 1961 421 J822 Anarsia, California, Fruit, Insect behavior, Larvae, Moths. 4405-68 ARTHROPOD PESTS COLLECTED IN OKLAHOMA GREENHOUSES. R G Price R R Walton W A Drew J Econ Entomol 54 (4):819-821, 2 REFS. Aug 1961 421 J822 Arthropoda, Greenhouses, Oklahoma, Ornamental plants. 4406-68 406-68 INTRODUCTION, COLONIZATION, AND ESTABLISHMENT OF BATHYPLEC-TES CURCULIONIS, A PARASITE OF THE ALPALPA WEEVIL IN THE EASTERN UNITED STATES. B Puttler D W Jones L W Coles J Econ Entomol 54 (5):878-880, 10 REFS. Aug 1961 421 J822 Alfalfa, Bathyplectes, Hypera, Malathion. 4407-68 A LABORATORY TEST OF THREE SYSTEMIC INSECTICIDES AGAINST THE SPRUCE BUDWORM, CHORISTCNEURA FUMIFERANA (CLEM.). A P Randell Can Entomol 94(11):1156-1161, 9 REFS. Nov 1962 421 C16 Choristoneura, Dimethoate, Menazon, Phosphamidon, Picea, Systemic insecticides. 4408-68 108-68 SCABBING OF RUTABAGAS AFTER APPLICATIONS OF HEPTACHLOR, FARATHION, AND LIME TO MINERAL SOILS OF VARIOUS ACIDITIES. D C Read D B Robinson J Econ Entomol 54(1):193-194 Feb 1961 421 J822 Lime, Parathion, Prince edward island, Rutabagas, Scab (rutabagas). 4409-68 CONTROL OF THE TARNISHED PLANT BUG, LYGUS LINEOLARIS, ON BIRDSFOOT TREFOIL GROWN FOR SEED. R L Ridgway G G Gyrisco J Econ Entomol 54(2):244-246 Apr 1961 421 J822 Aldrin, Birdsfoot trefoil, DDT , Lygus, Parathion, Toxaphene.

4410-68 A NEW SPECIES OF ALEURODICUS DOUGLAS AND TWO CLOSE RELA-TIVES (HOMOPTERA: ALEYRODIDAE). L M Russell Fla Entomol 48(1):47-55, 2 REFS., 1 FIG. Mar 1965 420 F662 Aleurodicus, Avocados, Citrus, Florida, Guavas, Insect taxonomy, Palmae. 4411-68 EXPERIMENTS WITH INSECTICIDES FOR CONTROL OF THE GREEN PEACH APHID CN POTATCES. R Schopp B J Landis G T Hagel J Econ Entomol 54(5):1003-1007 Aug 1964 421 J822 Arhididae, Endosulfan, Endrin, Myzus, Parathion, Potatoes. 4412-68 A PHYSIOLOGICAL RESPONSE OF FOTATO TO FOLIAR APPLICATIONS OF THE INSECTICIDE, GUTHION. J T Schulz J Econ Entomol 54(5):839-840, 4 REFS. Aug 1961 421 J822 Azinphosmethyl, Endosulfan, Endrin, Phorate, Potatoes. 4413-68 EXPERIMENTS WITH GRANULATED SYSTEMIC INSECTICIDES FOR CON-TROL OF INSECTS ON POTATOES, LIMA BEANS AND SWEET CORN. P H Schwartz Jr C E Osgood L P Ditman J Econ Entomol 54 (4):663-665, 3 REFS. Aug 1961 421 J822 Corn, Disulfoton, Endosulfan, Lima beans, Phosphamidon, Pctatoes. 4414-68 THE EFFICIENCY OF A POLYHEDRCSIS VIRUS AND BACILLUS THURIN-GIENSIS FOR CCNTROL OF THE CABBAGE LOOPER ON CAULIFLOWER. Semel J Econ Entomol 54(4):698-701, 6 REFS. Aug 1961 421 J822 Bacillus, Cauliflower, Polyhedroses, Trichoplusia. 4415-68 AIRFLANE APPLICATIONS OF MALATHION BAIT SPRAY FOR MEXICAN FFUIT FLY CONTROL. J G Shaw J Econ Entomol 54(3):600-601, 4 REFS. Jun 1961 421 J822 Aerial spraying, Anastrepha, Baits, Grapefruit, Malathion. 4416-68 EXPLORATORY STUDIES WITH SOIL TOXICANTS TO CONTROL THE MEX-ICAN FRUIT FLY. J G Shaw M Sanchez Riviello J Econ Entomol 54(4):666-668, 5 REFS. Aug 1961 421 J822 Aldrin, Anastrepha, Chlordane, Dieldrin, Endrin, Fruit, Heptachlor, Lindane, Toxaphene. 4417-68 EFFECT OF VARIOUS INSECTICIDE TREATMENTS ON POPULATIONS OF THE GREEN FEACH APHIE ON PEPPERS IN SOUTHERN CALIFORNIA. H H Shorey J Econ Entomol 54 (2):279-282, TABS. Apr 1961 421 J822 California, Diazinon, Dimethoate, Insecticide application, Myzus, Naled, Farathion, Rctenone. 4418-68 LABORATORY AND FIELD TESTS CF NEW INSECTICIDES FOR GRASSHOPPER CONTROL. F E Skoog F T Cowan R V Connin J Econ Entomol 54(1):170-174 Peb 1961 421 J822 Bayer 25141, Carbaryl, Diazinon, Penthion, Grasshoppers, Malathion, Naled. 4419-68 THE ROLE OF ESTERASES IN PARATHION POSIONING OF EGGS OF THE LARGE MILKWEED EUG. E H Smith E H Salkeld J Econ Entomol 58(2):188-195, EIBL. 194-195, TABS. Apr 1965 421 J822 Insect eggs, Cncopeltus, Parathion. 4420-68 THE INFLUENCE OF OIL VISCOSITY AND TIMING OF TREATMENT ON SEMIDORMANT CONTROL OF EUROPEAN FRUIT LECANIUM. F H Smith J H H Phillips J Econ Entonol 54(6):1165-1171, 4 REFS.

Dec 1961 421 J822 Fruit, Lecanium, LS 0441, Paraffin oils, Prorex no. 1, Prorex no. 2, Sun Oil (X-88798), Viscosity. 4421-68 LABORATORY REARING OF THE PEACH TREE ECRER AND NOTES ON ITS BIOLOGY. E H Smith J Econ Entomol 58(2):228-236, TABS. Apr 1965 421 J822 Peaches, Sanninoidea. 4422-68 CONTROL OF THE PEACH TREE BORES WITH GUTHION, PARATHION AND THICDAN E H Smith J Econ Entomol 54(4):668-670, 7 REFS. Aug 1961 421 J822 Azinphosmethyl, Endosulfan, Parathion, Peaches, Sanninoidea. 4423-68 THE ROLE OF ATTRACTANTS IN THE RECENT MEDITERRANEAN FRUIT PLY ERADICATION PROGRAM IN FLORIDA. L F Steiner G G Rohver E L Ayers L D Christenson J Econ Entomol 54(1):30-35 Feb 1961 421 J822 Baits, Ceratitis, Florida, Spraying. 4424-68 FURTHER STUDIES OF INTEGRATED CONTROL METHODS AGAINST THE EGYPTIAN ALFALPA WEEVIL IN CALIFORNIA. V M Stern J Econ Entomol 54(1):50-55 Feb 1961 421 J822 Alfalfa, California, Heptachlor, Hypera. 4425-68 EFFECT OF METHYL BROMIDE AND HYDROCYANIC ACID FUMIGATION ON THE GERMINATION OF CORN SEED. R G Strong D L Lindgren J Econ Entomol 54 (4):764-770, 12 REFS. Aug 1961 421 J822 Corn, Pumigation, Hydrocyanic acid, Insect control, Methyl bromide, Seeds. 4426-68 GERMINATION OF SMALL LEGUME SEEDS AFTER FUMIGATION WITH METHYL BROMIDE AND HYDROCYANIC ACID. R G Strong D L Lindgren J Econ Entomol 54(1):21-25 Feb 1961 421 J822 Hydrocyanic acid, Legumes, Methyl bromide, Seed germination, Trogoderma. 4427-68 SEQUENTIAL PLANS FOR SAMPLING APHIDS ON SUGAR BEETS IN KERN CCUNTY, CALIF. E S Sylvester E L Cox J Econ Entomol 54(6):1080-1085, 17 REFS., 4 TABS. Dec 1961 421 J822 Aphididae, California, Myzus, Sampling (statistics), Sugar beets, Yellows (sugar beets). 4428-68 APHID CONTROL TRIALS ON SUGAR BEETS AND VIRUS YELLOWS DI-SEASE IN KERN COUNTY, CALIFORNIA. E S Sylvester V E Burton G V Perry J Econ Entomol 54 (4):758-761, 3 REPS. Aug 1961 421 J&22 Aphididae, California, Demeton, Disulfoton, Sugar beets, Yellows (sugar beets). 4429-68 LODGEPOLE NEEDLE MINER FARASITES: BIOLOGICAL CONTROL AND INSECTICIDES. A D Telford J Econ Entomol 54(2):347-355, 20 REFS., 2 FIGS. 1961 421 J822 Malathion, Recurvaria, Yosemite national park. 4430-68 SYSTEMIC INSECTICIDES FOR SIX-SPOTTED LEAPHOPPER CONTROL AND REDUCTION OF INCIDENCE CF LETTUCE YELLCWS. L S Thompson W A Rawlins J Econ Entomol 54 (6):1173-1176, 1 REF. Dec 1961 421 J822 Dimethoate, Disulfoton, Insect vectors, Macrosteles, Phorate, Yellows (lettuce).

4431-68 RESISTANCE IN NICOTIANA TO THE GREEN PEACH APHID AND SOME OTHER TOPACCO INSECT PESTS. R Thurston J Econ Entomol 54(5):946-949 Aug 1961 421 J822 Insecticide resistant insects, Myzus, Nicotiana, Tobacco. 4432-68 CONTROL OF SPARGANOTHIS SULFURANA ON CRANBERRY. W E Tomlinson Jr J Econ Entomol 54(4):811, 8 REFS. Aug 1961 421 J822 Azinphosmethyl, Carbaryl, Cranberries, Diazinon, DDT , Ethion, Parathion, Trichlorfon. 4433-68 THE RELATIONSHIP OF SPATHIMEIGENIA SPINIGERA TOWNSEND (CIFTERA: TACHINIDAE) TO ITS HOST, NECDIFRION SWAINEI MIDD. (HYMENOFTERA: CIPRIONIDAE). H A Tripp H A Tripp Can Entomol 94(8):809-818 Aug 1962 421 C16 Diprionidae, Diptera, Hymenoptera, Neodiprion, Pinus, Spathimeigenia, Tachinidae. 4434-68 THE COTTON LEAF PERFORATOR AND ITS CONTROL IN ARIZONA.) M Tuttle G P Wene L W Sheets J Econ Entomol 54(1):67-70 Feb 1961 421 J822 Arizona, Bucculatrix, Carbaryl, Cotton, Dilan, Dimethoate, DDT , Endrin, Malathion, Methanophthalan, 1,3,4,6,7,8,8-, Methyl parathion, Naled, SD 4402, Strobane, Toxaphene. 4435-68 A NEW ERIOPHYIC MITE INFESTING BERMUDA GRASS. D M Tuttle G D Butler Jr J Econ Entomol 54(5):836-838, 1 REF 1961 421 J822 Aug Aceria, Diazincn, Grasses. 4436-68 SILIKIL: A NEW CONCEPT OF INSECT CONTROL. Agr Chem 15(2):49, 105-106 Feb 1960 381 AG8 Citrus, Dehydration (physiological), Grasshoppers, Silica, Silikil. 4437-68 EMERGENCE OF CVERWINTERED PINK BOLLWORM IN ARIZONA. G P Wene L W Sheets H E Woodruff J Econ Entomol 54(1):192 Feb 1961 421 J822 Arizona, Cotton, Hibernation, Pectinophora gossypiella. 4438-68 CONTROL OF THE BEET ARMYWORM ON COTTON IN ARIZONA. G P Wene L W Sheets J Econ Entomol 54(1):192-193 Feb 1961 421 J822 Arizona, Cotton, DDT, Methyl parathion, Naled, Trichlorfon. 4439-68 CCNTROL OF APHIDS AND SPIDER MITES ON STRAWBERRIES WITH J WILCOX A F Howland J Econ Entomol 54(2):287-292 Apr 1961 421 J822 Aphididae, California, Dusting, Insecticide application, Spraying, Strawberries, Tetranychidae. 4440-68 NEODIPRION MERKELI FROM SOUTH FLORIDA. R C Wilkinson Fla Entomol 48(4):271, 1 REF. Dec 1965 420 F662 Neodiprion, Pinus. 4441-68 THE REVERSAL OF SOME EFFECTS OF A SURFACTANT ON PESTICIDE DEPOSITS ON POLIAGE BY DIFFERENT METHODS OF APPLICATION. K Williams D P Pielou Can Entomol 94(8):874 Aug 1962 421 C16 Carbaryl, Leaves, Plyac, Surface-active agents.

4442-68 RESISTANCE TO THE MEXICAN BEAN BEETLE IN SEVERAL BEAN GENERA AND SPECIES. D Wolfenbarger J P Sleesman J Econ Entomol 54(5):1018-1022, 12 REFS. Aug 1961 421 J822 Beans, Epilachna, Kidney beans, Lima beans, Plant insect resistance. 4443-68 RESISTANCE TO COMMON BEAN LINES TO THE POTATO LEAPHOFPER. J Boon Entomol 54(5):846-849, 13 REFS., 3 TABS. Aug 1961 421 J822 Beans, Empoasca, Plant insect resistance. 4444-68 INSECTICIDES AND COMBINATIONS OF INSECTICIDES WITH OILS AND SURFACTANTS FOR INSECT CONTROL ON VARIOUS VEGETABLE CROPS. D A Wolfenbarger P & Wolfenbarger Fla Entomol 48(3):193-204, 5 REFS., 9 TABS. Sep 1965 420 F662 Brevicoryne, Cabbage, Macrosiphum, Paraffin oils, Parathion, Pemphigus, Phosphamidon, Rhopalosiphum, Tomatoes, Trichoplusia, Turnirs. 4445-68 INSECTICIDES AND INSECTICIDE-OIL COMBINATIONS FOR CORN EAR-WORM, BOLL WEEVIL, AND COWPEA CURCULIO CONTROL. D A Wolfenbarger Fla Entomol 48(2):101-109, 4 REFS., 9 TABS. Jun 1965 420 F662 Anthonomus grandis, Azinphosmethyl, Chalcodermus, DDT, Heliothis zea, Methyl parathion, Paraffin oils, Parathion, Toxaphene. 4446-68 446-68 SOIL-APPLIED SYSTEMATIC INSECTICIDES IN RELATION TO INSECT AND MITE CONTROL ON VARIOUS VEGETABLE CROPS. D A Wolfenbarger M F Schuster L W Getzin Pla Entomol 48(3):173-182, 10 REFS., 5 TABS., 1 FIG. Sep 1965 420 F662 Brevicoryne, Cabbage, Cantaloupes, Dimethoate, Disulfoton, Lettuce, Liriomyza, Macrosiphum, Pemphigus, Phorate, Tetranychidae, Tomatoes. 4447-68 AVOCADO WHITEFLY CONTROL. D O Wolfenbarger Fla Entomol 47(3):209-212, 2 REFS., 4 TABS. Sep 1964 420 F662 Avocados, Bayer 37344, Carbaryl, Trialeurodes. 4448-68 WIREWORM-CONTROL EXPERIMENTS ON POTATOES AND CORN IN SOUTH FLORTDA. D O Wolfenbarger Fla Entomol 48(2):85-88, 2 REFS., 2 TABS. Jun 1965 420 F662 Conoderus, Elateridae, Melanotus, Phorate. 4449-68 DESCRIPTION AND RESULTS OF A NEW GREENHOUSE TECHNIQUE FOR EVALUATING TOLERANCE OF SMALL GRAINS TO THE GREENBUG. E A Wood J Econ Entomol 54(2):303-305 Apr 1961 421 J822 Grain, Plant pest resistance, Schizaphis. 4450-68 DU-68 EFFECTS OF VARIOUS SOIL TYPES AND METHODS OF APPLICATION UPON UPTAKE OF THREE SYSTEMIC INSECTICIDES BY COTTON PLANTS IN THE GREENHOUSE. M Zaki H T Reynolds J Econ Entomol 54 (3):568-572, 15 REFS. Jun 1961 421 J822 Alfalfa, Cotton, Demeton, Dimethoate, Phorate.

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Nematodes
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4451-68 BIOLOGICAL CCN1ROL FLANS. Agr Chem 19(2):87 Feb 1964 381 AG8 Alternanthera philoxeroides, Chrysomelidae. 4452-68 ONE HUNDRED PLANES TO SPRAY EUDWORM IN NEW BRUNSWICK. Agr Chem 15(5):84 May 1960 381 AG8 Aerial spraying, DDT , New Brunswick, Salmon. 4453-68 METHODS OF APFLICATION FOR NEMATODE CONIROL. Agr Chem 15(1):63, 95-96, 1 TAB. Jan 1960 381 AG8 Dibromc-3-chloropropane, 1,2-, DBCP , Root-knot nematode, Squash. 4454-68 FECUNDITY AND LONGEVITY OF THE ADULT FEMALE PINK BOLLWORM REARED ON NATURAL AND SYNTHETIC DIETS. P L Adkisson J Econ Entomol 54(6):1224-1227, 12 REFS., 3 TABS. Dec 1961 421 J822 Cotton, Longevity, Oviposition, Pectinophora gossypiella. 4455-68 APPRAISAL OF INSECTICIDAL GRANULES IN THE ROW AGAINST DAMAGE BY THE NORTHERN CORN ROOTWORM. J W Apple J Econ Entomol 54(5):833-836, 7 REFS. Aug 1961 421 J822 Aldrin, Corn, Diabrotica, Diazinon, Dimethoate, Disulfoton, Ethion, Granules, Beptachlor, Lindane, Phorate. 4456-68 THE USE OF BALSAM FIR SHOOT FLONGATION FOR TIMING SPRUCE BUDWORM AFRIAL SPRAY PROGRAMS IN THE LAKE STATES. J L Bean J Econ Entomol 54(5):996-1000, 4 REFS., 5 FIGS. g 1961 421 J822 Abies, Choristoneura, DDT . 4457-68 TREATED BAGS FCR CONTROL OF THE CORN EARWORM AND FALL ARMY-WORM C C Blickenstaff L F Bauman J Econ Entomol 54(3):587-591, 2 REFS. Jun 1961 421 J822 Aldrin, Bags, Chlordane, Corn, Dieldrin, DDT , Heliothis zea, Heptachlor, Laphygma, Toxaphene. 4458-68 RESISTANCE OF SQUASH VARIETIES TO THE PICKLEWORM AND THE VALUE OF RESISTANCE TO INSECTICIDAL CONTROL. C H Brett C L McCombs D M Daugherty J Econ Entomol 54(6):1191-1197, 13 REFS. Dec 1961 421 J822 Diaphania, Insect resistant plants, Squash. 4459-68 FALL EUROPEAN CORN BORER COUNTS ARE UP IN 16 STATES. A Dorward Agr Chem 19(3):95, 129-130 Mar 1964 381 AG8 Aphididae, Chorizagrotis auxiliaris, Corn, Grasshoppers, Ostrinia nubilalis, Psila rosae. 4460-68 EIM SPANWORM EGG MASS STUDIES. A T Drooz J D Solomon J Econ Entomol 54(5):1060-1061 Aug 1961 421 J822 Carya, Eggs, Ennomos, Quercus.

FACTORS INVOLVED IN DIFFERENTIAL SUSCEPTIBILITY OF CORN EAK-WORM LARVAE TO DDT. R T Gast J Econ Entomol 54(6):1203-1206, 5 REFS. Dec 1961 421 J822 Corn, DDT , Heliothis zea. 4462-68 EFFECTIVENESS OF DDT FOR CABBAGE CATERPILLAR CONTROL IN INDIANA, 1945 TO 1960. G E Gould J Econ Entomol 54(3):475-478, 7 REFS. Jun 1961 421 J822 Cabbage, DDI , Endrin, Toxaphene. 4463-68 EVALUATION OF THIODAN AND SEVIN FOR CONTROL OF WEBWORMS IN SUGAR BEETS. A F Hagen J Econ Entomol 54(4):799 1961 421 J822 Aug Carbaryl, Endosulfan, Endrin, Loxostege, Sugar beets. 4464-68 EGG PARASITISM AND LARVAL HABITS OF THE ORANGE-STRIPED OAK-WORM. S W Hitchcock J Econ Entomol 54 (3):502-503. 7 REFS. Jun 1961 421 J822 Anisota, Eggs, Larvae, Farasitic insects, Quercus. 4465-68 CHEMICAL CONTROL OF SLUGS IN OFCHARD GRASS-LADINO WHITE CLOVER PASTURES IN THE FACIFIC NORTHWEST. A J Howitt J ECON Entorol 54 (4): 778-781, 2 REFS. Aug 1961 421 J822 Ladino clover, Metaldehyde, Slugs. 4466-68 ACARICIDES FOR CITRUS MITE CONTROL. L R Jeppson Agr Chem 19(2):80-81, 114 Feb 1964 381 AG8 Acaricides, Aceria sheldoni, Aramite, Citrus. 4467-68 THE JACK-PINE BUDWORM AS A PEST OF OTHER CONIFERS WITH SPECIAL REFERENCE TO RED PINE. H M Kulman A C Hodson J Econ Entomol 54 (6): 1221-1224, 11 REFS. Dec 1961 421 J822 Choristoneura, Pinus. 4468-68 STUDIES OF AN INTEGRATED CONTROL SYSTEM FOR HOENWORMS ON TOBACCO. F R Lawson R L Raab F E Guthrie T G Bowery J Econ Entomol 54(1):93-97 Feb 1961 421 J822 Biological control, Endrin, Sphingidae, TDE . 4469-68 SYSTEMIC ACTIVITY OF BIDRIN IN THE COTTON PLANT. D A Lindquist D L Bull F L Ridgway J Econ Entomol 58(2):200-203, TABS. Apr 1965 421 J822 Bidrin, Cotton. 4470-68 INCIDENCE OF PINK BCLLWCRM RESISTANCE TO DDT. . W L LOWFY C H TSAO J ECON Entomol 54(6):1209-1211, 3 REFS. Dec 1961 421 J822 Cotton, DDT , Mexico, Moths, Pectinophora gossypiella. 4471-68 THE NAVEL ORANGEWORM IN NORTHERN CALIFORNIA. A E Michelbacher C S Davis J Econ Entomol 54(3):559-562, 10 REFS. Jun 1961 421 J822 Azinphosmethyl, California, Carbaryl, DDT , Dryness, Heat, Paramyelois, Walnuts. 4472-68 EFFECT OF ORGANIC MANURES ON NATURAL ENEMIES OF NEMATODES IN SOIL B A Oteifa D M Elgindi H Z Abduleid J Sci Pood Agr 16(7):II-3-7

Jul 1965 382 SO12 Manures, Nematode controlling fungi, Nematodes, Predaceous nematodes. 4473-68 SHORT-DAY COTTON STOCKS AS POSSIBLE SOURCES OF HOST PLANT RESISTANCE TO THE PINK BOLIWORM. D K Reed P L Adkisson J Econ Entomol 54(3):484.486, 6 REFS. Jun 1961 421 J822 Cotton, Pectinophora, Plant insect resistance. 4474-68 SYSTEMIC INSECTICIDES AS SOII TREATMENTS FOR CONTROL OF THE MIMOSA WEBWORM, HOMADAULA ALEIZZIAE. J G Rodriquez J 2con Entonol 54(3):523-525, 7 REFS. Jun 1961 421 J822 Demeton, Dieldrin, Disulfoton, Homadaula, Malathion, Mimosa, Phorate, Soil treatment, Toxaphene. 4475-68 CHEMICAL CONTROL OF THE GROUND PEARL, EUMARGARODES LAINGI. W T Spink J R Dogger J Econ Entomol 54(3):423-424, 2 REFS. Jun 1961 421 J822 Demeton, Eumargarodes, Malathion, Trichlorfon. 4476-68 EFFECT OF REPEATED APPLICATIONS OF NEMATOCIDES ON VEGETABLE YIELDS AND NEMATODE POPULATIONS IN A MUCK SOIL. J D Wilson O Hedden J Sci Food Agr 16(7):II-13-4 Jul 1965 382 Sol2 Crop yields, Dichloropropane dichloropropene mixture, Ethylene dibromide, Muck soils, Nematocides, Pratylenchus, Scab (potatoes). 4477-68 THE EFFECT OF PLANT TYPE UPON CORN EARWORM CONTROL IN SWEET CORN. J W Wilson E V Walter J Econ Entomol 54 (4):689-692, 5 REFS. Aug 1961 421 J822 Ccrn, Crop varieties, DDT , Heliothis zea.

Weeds

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Other Pests

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Jul 1963 41.8 AM3A
Cattle, Mice, Sheep, Toxoplasmosis.
4830-68
  THE ASSOCIATION PETWEEN HYPOCALCEMIA AND ABNORMAL RUMEN
PUNCTION IN PUERPERAL PARESIS OF COWS.
  S O Jacobsson O Knudsen
Cornell Vet 52(2):173-185, 16 REFS., 5 TABS.
Apr 1962 41.8 C81
Calcium, Cattle, Digestion, Faresis, Rumen.
4831-68
   DISSEMINATED ASPERGILLOSIS IN A MYNAH BIRD.
   M A Janovski
  Amer Vet Med Ass J 149(7):944-949, 20 REPS.
Oct 1966 41.8 AM3
   Aspergillosis, Birds.
4832-68
   HOW MEAT INSPECTION CAN ASSIST IN DISEASE CONTROL AND
   ERADICATION.
   W F Jennings
   Amer Vet Med Ass J 149(12):1708-1713, 23 REFS.
Dec 1966 41.8 AM3
Brucellosis, Meat inspection, Tuberculosis, Zoonoses.
4833-68
   BOVINE PERIRENAL DISEASE ASSOCIATED WITH PIGWEED.
   Q E Jeppesen
Amer J Vet Res 149(1):22
Jul 1966 41.8 AM3A
   Cattle, Edema.
4834-68
   RECENT RESEARCH FINDINGS ON FOVINE TUBERCULOSIS AND THEIR
   AFPLICATION IN ERADICATION.
H W Johnson L A Baisden A H Frank
   Amer Vet Med Ass J 138 (5):239-243, 27 REFS.
01 Mar 1961 41.8 AM3
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Tuberculin.
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Arthropods

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Absorption, Bayer 22408, Dairy cows, Diethyl O-naphthalimido phosphorothioate, 0,0- , Insecticide residues, Metabolism, Milk, Musca domestica. 5156-68 A THREE-YEAR STUDY ON THE EFFECT OF FLY CONTROL ON MILK PRO-DUCTION BY SELECTED AND RANDOMIZED DAIRY HERDS. T-h Cheng E M Kesler J Econ Entomol 54 (4):751-757, 9 REFS. Aug 1961 421 J822 Dairy cattle, Milk, Musca domestica. 5157-68 FLY CONTROL IN DAIRY BARNS SFRAYED WITH DIMETHOATE AND THE DETERMINATION OF DIMETHOATE RESIDUES IN MILK. T-h Cheng D E H Frear H F Encs Jr J Econ Entomol 54(4):740-742 Aug 1961 421 J822 Dairy barns, Dimethoate, Haemotobia, Livestock, Musca domestica, Residues, Stomoxys. 5158-68 METHCXYCHLOR IN MILK OF DAIRY COWS CUSTED WITH THE WETTABLE FCWDER. G R DeFcliart D N Willett J Econ Entomol 54 (5):871-873, 7 REFS. Aug 1961 421 J822 Cattle, Dusting, Haematobia, Methoxychlor, Milk. 5159-68 BARN FOGGING AS A FLY CONTROL METHOD. G R DePoliart J L Eschle J Econ Entomol 54(5):862-865, 1 REF. Aug 1961 421 J822 Barns, Fog, Haematobia, Livestock, Musca domestica, Fyrethrum, Stomcxys. 5160-68 CCNTROL OF FACE FLIES, MUSCA AUTUMNALIS ON BEEF CATTLE IN INDIANA. J ECO Dobson D A Huber J Econ Entomol 54(3):434-436, 4 REFS., 1 FIG. Jun 1961 421 J822 Cattle, DDT , Musca, Toxaphene. 5161-68 I.C.W-VOLUME, HTGH CONCENTRATION SPRAYING FOR HORN FLY AND FACE FLY CONTROL ON BEEF CATTLE. R C Dobson D P Sanders J Econ Entomol 58(2):379 Apr 1965 421 J822 Cattle, Haematobia, Insect control, Malathion, Musca. 5162 - 68RESIDUES IN TISSUES AND EGGS OF POULTRY DUSTED WITH CO-RAL (EAYER 21-199). H W Dorough U E Brady J A Tinnerman Jr B W Arthur J Econ Entomol 54(1):25-30 ' Feb 1961 421 4822 Coumaphos, Insects, Poultry. 5163-68 TOXICITY OF SEVERAL ORGANOFHOSPHATES ADMINISTERED IN THE DIET OF BROILERS TO HOUSE FLY LARVAE IN THE FECES. H W Dorough B W Arthur J Econ Entomol 54 (6):1117-1121, 19 REFS. Dec 1961 421 J822 Butonate, Date, Diet, Peces, Fenthion, Larvae, Musca domestica, 0-4-tert-butyl-2-chlorophenyl 0-methyl methylphosphorami-, Fcultry, Ronnel, Ruelene. 5164-68 RESIDUES IN TISSUES AND EGGS OF POULTRY RECEIVING CO-RAL RESIDUES IN TISSUES AND EGGS (EAYER 21-199) IN THE FEED. H W Dorough U E Jr. Brady J J Econ Entomol 54(1):97-100 Feb 1961 421 J822 J A Timmerman B W Arthur Coumaphos, Insecticide residues, Poultry. 5165 - 68TESTS WITH SPRAYS OF GENERAL CHEMICAL 4072 FOR SYSTEMIC CCNTROL OF CATTLE GRUBS. R O Drummond J Econ Entomol 54(5):1047, 1 REF. Aug 1961 421 J822 Cattle, Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, General Chemical 4072, Hypoderma.

5166-68 TOXICITY TO FLY LARVAE OF THE FECES OF INSECTICIDE-FED CATTLE. G W Eddy A R Roth J Econ Entomol 54 (3):408-411, 7 REFS., 3 TABS. J ECON ENCONOL 54 (5):40-41, / KERS, 5 1855. Jun 1961 421 J822 Bayer 22408, Cattle, Co-Ral, Diethyl Phosphorothioate, 0,3-chloro-4-methylbelliferone,, Diethyl O-naphthalimido phosphorothioate, 0,0-, Haematolia, Musca, Musca domestica, 0, 0-, Stomoxys, Toxicology. 5167-68 EXPERIMENTS ON CONTROL OF THE FACE FLY. J H Fales J C Keller O F Bodenstein J Econ Entomol 54(6):1147-1151, 5 REFS., 4 FIGS. Dec 1961 421 J822 Cattle, Dichlorvos, Malathion, Maryland, Methoxchlor, Musca, Piperonyl butoxide, Pyrethrum, Trichlorfon. 5168-68 RESISTANCE TO CHLORINATED HYDROCARBON INSECTICIDES IN THE EYE GNAT, HIPPELATFS COLLUSOR. G P Georghiou M S Mulla J Econ Entomol 54 (4):695-698, 2 REFS. Aug 1961 421 J822 Dieldrin, DDT , Hippelates, Lindane, Parathion. 5169-68 BACILLUS THURINGIENSIS AS A FEED ADDITIVE TO CONTROL DIPTEROUS PESTS OF CATTLE. R E Gingrich J Econ Entomol 58(2):363-364, 4 REFS., 1 TAB., 1 FIG. Apr 1965 421 J822 Bacillus, Bakthane L-69, Biotrol B.T.B , Cattle, Haematobia, Insect control, Musca domestica, Stomoxys, S2-97. 5170 - 68THE PRIMARY EVALUATION OF THREE ORGANOIHOSPHORUS COMPOUNDS FOR POSSIBLE USE IN THE CONTROL OF LIVESTOCK INSECTS. O H Graham J Econ Entomol 54(5):1046-1047, 2 REFS. Aug 1961 421 J822 Aug 1961 421 3822 Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate),2-, Chloro-1-(2,5-dichlorophenyl)vinyl diethyl phosphate),2-, Dichlorophenyl)-2,2-dichlorovinyl diethyl phosphate),1-(2,5-* General Chemical 3582, General Chemical 3583, General Chemical 4072, Insects, Livestock. 5171-68 TESTS AGAINST FACE FLIES ON CATTLE IN NEW JERSEY DURING 1960. P Granett E J Hansens J Econ Entomol 54(3):562-566, 3 REFS. Jun 1961 421 J822 Carbaryl, Coumaphos, Dairy cattle, Diazinon, Dichlorvos, Dimethoate, Diptera, Musca, Naled, Trichlorfon. 5172-68 EFFECTIVENESS OF RUELENE AND RONNEL FOR EAR TICK COMPARED WITH CATTLE GRUB CONTROL. T L Harvey J R Brethour J Econ Entomol 54(4):814-815, 5 REFS. Aug 1961 421 J822 Cattle, Date, O-4-tert-butyl-2-chlorophenyl O-methyl methylphosphorami-, Otobius, Ronnel, Ruelene. 5173-68 HOG LOUSE CONTROL BY GRCUND TREATMENT. W T Jchnson J Econ Entomol 54(4):821, 1 REF. Aug 1961 421 J822 Dimethoate, Haematopinus, Ronnel, Swine. 5174-68 THE EPFECT OF PREE-CHOICE COUMAPHOS SALT MIXTURES ON CATTLE AND CATTLE PARASITES. F W Knapp J Econ Entomol 58(2):197-199, TABS. Apr 1965 421 J822 Coumaphos, Haematobia irritans, Musca. 5175-68 OBSERVATIONS ON TICK-TRANSMISSION OF LOUPING-ILL TO SHEEF. J MacLeod J Comp Pathol 72(4):411-419, 9 REFS. Oct 1962 41.8 J82 Ixodes, Louping ill, Sheep, Tick-borne fever (sheep).

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J Econ Entomol 54(1):208-209
     Feb 1961 421 J822
Cattle, Co-Ral, Hypoderma,
O-(3-chloro-4-methylumbelliferone)0,0-diethyl phosphoro-,
Phosphorothioate.
5186-68
     ARTIFICIAL INFESTATIONS OF THE NORTHERN CATTLE GRUB,
HYPODER'AA BOVIS, IN TEXAS.
J Weintraub W S McGregor H M Brundrett
J Econ Entomol 54(1):84-87
Rob 1961 4031 4034
     Peb 1961 421 J822
Cattle, Hypoderma, Texas.
5187-68
     COMPARISON OF RONNEL, ECWCO 109, AND DCWCO 105 FOR
SYTEMATIC CONTROL OF CATTLE GRUBS IN ALBERTA.
J Weintraub C O M Thompson
J Econ Entomol 54(1):79-84
     J ECOL Entonol 54(1):79-54
Feb 1961 421 J822
Cattle, Chemical control (pests), Dowco 105, Dowco 109,
Ethylphosphoramidothioate, Hypoderma,
Methylphosphoramidothioate,
O-4-tert-butyl-2-chlorophenyl O-methyl, Ronnel.
5188-68
     A COMPARISON OF CO-RAL, RONNEL, AND RUELENE DUSTS FOR
      SCREW-WORM CONTROL.
      M J Wrich
J Econ Entomol 54(5):941-945, 5 REPS., 3 PIGS.
     Aug 1961 421 J822
Callitroga, Coumaphos, Date, Livestock,
O-4-tert-butyl-2-chloro-phenyl O-methyl methylphosphorami-,
      Ronnel, Ruelene.
5189-68
    189-68
TOXICITY OF GENERAL CHEMICAL COMPOUNDS 3582, 3583, AND
4072 TO SCREW-WORMS IN LABORATORY AND FIELD TESTS.
M J Wrich W F Chamberlain C L Smith
J Econ Entomol 54 (5):1049-1050, 3 REFS.
Aug 1961 421 J822
Callitroga,
Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, 2-,
Chloro-1-(2,5-dichlorophenyl)vinyl diethyl phosphate, 2-,
Dichlorophenyl)-2,2-dichlorovinyl diethyl phosphate, 1-(2,5-*
General Chemical 3582, General Chemical 3583,
General Chemical 4072, Toxicology.
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Parasites

5190-68

A NEW APPROACH TO ANTHELMINTIC THERAPY FOR SHEEP AND CATTLE.
METHYRIDINE.
Can J Comp Med Vet Sci 25(7):184
Jul 1961 41.8 C162

5191-68

CONTROLLED TESTS WITH BEPHENIUM HYDROXYNAPHTHOATE AS AN ANTHELMINTIC AGAINST NEMATODIRUS BATTUS IN SHEEP.
Can J Comp Med Vet Sci 24(5):153
May 1960 41.8 C162
Anthelmintics, Bephenium hydroxynaphthoate, Nematodirus, Sheep.

5192-68

ANTHELMINTIC VACCINES.
Can J Comp Med Vet Sci 24(11):341
Nov 1960 41.8 C162
Immunization, Vaccines.

5193-68

THE USE OF BEPHENIUM CELORIDE IN THE TREATMENT OF ANCLYO-STOMA CANINUM INFECTIONS IN DOGS WHEN OTHER ANTHELMINTICS ARE CONTRAINDICATED.
Can J Comp Med Vet Sci 24(6):176
Jun 1960 41.8 C162

Ancylostoma caninum, Ancylostomiasis, Bephenium chloride, Dogs.

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5194-68 DETECTION OF LEFTCSPIRA POMONA IN GUINEA PIG AND BOVINE URINE WITH FLUORESCEIN-LABELIED ANTIBODY. Can J Comp Med Vet Sci 24(4):137 Apr 1960 41.8 C162 Calves, Fluorescein antibody, Guinea pigs, Leptospira pomona bacterins, Serodiagnosis. 5195 - 68CRITICAL TESTS OF HYGROMYCIN B AS AN ASCARIDE OF SWINE. Can J Comp Med Vet Sci 24(5):153 May 1960 41.8 C162 Anthelmintics, Ascaris, Hygromycin B, Swine. 5196-68 SCHE EXPERIENCES WITH SMALL DAILY DOSES OF PHENOTHIAZINE AS A MEANS OF CONTROL OF STRONGYLID WORMS IN THE HORSE. Can J Comp Med Vet Sci 24(5):153 May 1960 41.8 C162 Drug therapy, Horses, Phenothiazine, Strongylids. 5197-68 THE EFFICACY OF THIABENDAZOLE AND BEPHENIUM HYDROXYNAPHTHOATE AGAINGE AND BEFREING HYDROXYNAPHTHOATE AGAINST CSTERTAGIA OSTERTAGI AND CCOPERIA ONCCHORA IN EXPERIMENTALLY INFECTED CALVES. E R Ames J M Cheney R Rubin Amer J Vet Res 24(99):295-296, 12 REFS., 2 TABS. Mar 1963 41.8 AM3A Bephenium hydroxynaphthoate, Calves, Cooperia, Ostertagiasis, Thiabenzadole. 5198-68 HELMINTHIASIS OF SHEEP IN SOUTHERN GEORGIA. W W Becklund Amer Vet Med Ass J 139(7):781-784, 3 REFS. 01 Oct 1961 41.8 AM3 Georgia, Helminthiasis, Sheep. 5199-68 COCCIDIAL OOCYSTS (EIMERIA LEUCKARTI) FROM NORTH AMERICAN DCNKEYS (ASINUS ASINUS). E A Benbrook M W Sloss Amer Vet Med Ass J 140(8):817-818, 9 REFS. 15 Apr 1962 41.8 AM3 Anthelmintics, Asses, Coccidiosis. 5200-68 TREAIMENT OF TRICHURIS VULPIS INFECTION OF DOGS WITH GLYCOBIARSOL. D A Berberian J B Poole H W Freele Amer J Vet Res 24(101):819-821, 16 REFS. Jul 1963 41.8 AM3A Bismuth glycolyl arsanilate, Dogs, Trichuris. 5201-68 PARAGONIMIASIS IN A DOG AND A CAT. G E Bisgard R E Lewis Amer Vet Med Ass J 144(5):501-507, 11 REFS. 15 Mar 1964 41.8 AM3 Dogs, Domestic short-hair cats, Lungs, Paragonimiasis, Surgery. 5202-68 CRYPFOCOCCOSIS IN A DOG AND TREATMENT WITH AMPHOTERICIN B. K C Bowee J C Conroy S A Resenthal Amer Vet Med Ass J 149(1):49-55, 19 REFS., 1 TAB. Jul 1966 41.8 AM3 Amphotericin B, Cryptococcosis, Dogs. 5203-68 LARVICIDAL ACTIVITY OF DITHIAZANINE IODIDE ADMINISTERED IN FEED TO PIGS WITH ARTIFICIAL INFECTIONS OF ASCARIS SUUM. G Brody E C Wuest Amer J Vet Res 24 (100):460-466, 11 REFS., 5 TABS. Nay 1963 41.8 AM3A Ascariasis, Dithiazanine iodide, Feed, Larvae, Swine. 5204-68 RINGWORM WITH COMPLICATING ACANTHOSIS IN SWINE. Amer Vet Med Ass J 149(1):42-45, 2 REFS. Jul 1966 41.8 AM3 Acanthoma, Motor fuels, Ringworm, Swine. 5205-68 EFFECT ON WEANING AGE AND CREEP RATIONS ON PARASITISM IN LAMBS. H Ciordia W E Bizzell D M Baird A C McCampbell J Anim Sci 22(1):237 Peb 1963 49 J82

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5389-68 APPARATUS FOR TREATING INSECTS WITH RADIOACTIVE FUMIGANTS. E J Bond F Call J Econ Entomol 54(4):808-809, 1 REF Aug 1961 421 J822 Fumigants, Gases, Radioactive substances. 5390-68 CLOSER COORDINATION. J P Carr Agr Chem 19(2):77-78 Feb 1964 381 AG8 Agricultural mechanics, Equipment, Festicide application. 5391-68 SOME PREDATORS AND SCAVENGERS FEEDING UPON PINK BOLLWORM MOTHS. E W Clark P A Glick J Econ Entomol 54(4):815-816, 2 REFS. Aug 1961 421 J822 Arthropoda, Light traps, Pectinophora gossypiella, Predaceous insects, Scavengers. 5392-68 PRENTISS OPENS PYRETHRUM UNIT. D A Davis Agr Chem 15 (1):41, 92 Jan 1960 381 AG8 Molecular distillation, Pyrethrum. 5393-68 AN IMPROVED BACKPACK MOTOR PAN FOR SUCTION SAMPLING OF INSECT POPULATIONS. E J Dietrick J Econ Entomol 54(2):394-395, 3 REFS., 1 FIG. Apr 1961 421 J822 Insects, Population statistics, Suction traps. 5394-68 CONVERSION EQUIPMENT TO PRODUCE A CYCLIC ENVIRONMENT WITHIN CONSTANT TEMPERATURE CABINETS. C W Fatzinger M T Proveaux Fla Entomol 48(4):227-237, 8 REPS., 9 FIGS. Dec 1965 420 F662 Constant temperature cabinets, Environmental variation, Humidity, Insect behavior, Photoperiodism. 5395-68 SOME SHORTCUTS IN LABORATORY REARING OF BOLL WEEVILS. R T Gast J Econ Entomol 54(2):395-396, 5 REFS., 2 TABS. Apr 1961 421 J822 Anthonomus grandis, Insect rearing, Rollers. 5396-68 EFFECTIVE RANGE OF ARGON GLOW LAMP SURVEY TRAPS FOR PINK BOLLWORM ADULTS. H M Graham P A Glick J P Hollingsworth J Econ Entomol 54(4):788-789, 3 REFS. Aug 1961 421 J822 Argon, Light traps, Pectinophora gossypiella. 5397-68 RAPID CENTRIFUGAL FLOTATION TECHNIQUE FOR SEPARATION OF NEMATODES FROM SOIL. © R Jenkins J Sci Pood Agr 16(7):II-13-5 Jul 1965 382 S012 Centrifugation, Nematodes, Soils. 5398-68 EQUIPMENT FOR BLOOD FEEDING AND HOLDING LARGE NUMBERS OF CULICOIDES IN EXPERIMENTS WITH SHEEP. R H Jones J Econ Entomol 54 (4):816-818 Aug 1961 421 J822 Animal nutrition, Blood, Culicoides, Sheep.

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5409-68

FORMULATION OF PESTICIDES.
Agr Chem 15 (3):35-38, 4 TABS., 2 FIGS.
Mar 1960 381 A68
Aerosols, Dusting, Spraying.

5410-68

FESTICIDE SITUATION FOR 1959-60.
Agr Chem 15 (5):41-43, 101, 5 TABS.
May 1960 381 A68
Benzene hexachloride, DDT, Maleic hydrazide,
Methyl parathion, Parathion.

5411-68

A.I.C.H.F. HOLDS PESTICIDES.
Agr Chem 15 (3):8, 38
Mar 1960 381 A68
DDT, Pesticide residues, Pesticides, Toxicology.

5412-68

CONTINUED INCREASE IN PESTICIDE SALES PREDICTED- DESPITE FACTORS THREATENING GROWTH OF MARKET.
Agr Chem 15 (4):67-68
Apr 1960 381 A68
Legislation, Marketing costs, Packing, Pesticide residues.

5413-68

DDT AND HEPTACHLOR AS BLACK-FLY LARVICIDES IN CLEAR AND TURBID WATER.
F J H Predeen
Can Entonol 94(8):675-680
Aug 1962 421 C16
DDT, Heptachlor, Oils, Simuliidae, Water.

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