PESTICIDES DOCUMENTATION BULLETIN

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

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

FORMAT

The *Bulletin* 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

Citations: 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.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

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The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested

Company furnishing the compound

Author or Investigator

Test Sponsor

Date

Location

Mode of Application

Rates of Application

Soil Types

Carriers

Crops or Weeds tested with phytotoxicity ratings

Associated documentation

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ACKNOWLEDGMENT

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Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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^{*}This issue does not contain citations under this category.



ENTOMOLOGY

14118-69

STUDIES ON THE BIOLOGY AND CONTROL OF SOGATELLA FURCIFERA HORV. OF SOGATELLA FURCIFERA HORV. (DELPHACIDAE: HOMOPTERA) IN THE PUN-JAB.

A S Atwal J P Chaudhary B S Sohi

Punjab Agr Univ J Res 4(4):547-555 REF

Dec 1967 \$19.P8

Biology, Chemical control (insects), Histology, Insect morphology, Insect rearing, Laboratories, Sogatella.

14119-69

AN APPARATUS FOR DISPENSING HOUSE FLY EGGS MECHANICALLY.

A S Perry

J Econ Entomol 61(4):1112-1113

15 Aug 1968 421 J822

Autoclaves, Equipment, Illustrations, Insect control, Insect dissemination, Insect eggs, Measurement, Mechanization, Musca domestica, Research.

IMPORTANT FOREST INSECTS OF ONTARIO IN 1966.

A H Rose

Entomol Soc Ontario Proc 97:8-10

1966 420 ON8

Entomology, Forest insects, Insect control, Research, Sampling (statistics), Spraying.

EFFECT OF POPULATION DENSITY ON THE LARVAL COLORATION AND DEVELOPMENT OF LARVA AND PUPA IN THE LARGER PEL-LUCID HAWK MOTH, CEPHONODES HYLAS L. (LEPIDOPTERA' SPHINGIDAE). (JA)

M Sasakawa S Yamazaki

Jap J Appl Entomol Zool 11(4):157-163

Dec 1967 475 J27

Color, Gardenia, Insect morphology, Insect pests, Mortality, Population, Research, Sphingidae. English summary

RELATIVE EFFICACY OF DIFFERENT INSECTICIDES, AS CONTACT POISONS, TO THE LARVAE OF THE DIAMOND-BLACK MOTH, PLUTELLA MACULIPENNIS (LEPIDOPTERA: PLUTELLIDAE). CURTIS

A N Verma G S Sandhu

Punjab Agr Univ J Res 4(4):556-559

Dec 1967 S19.P8

Chemicals, Insecticides, Laboratories, Plutella maculipennis, Tables (data), Toxicology.

SYSTEMATICS

14123-69

REVISION OF INDO-PAKISTAN PARISOMIAS FAUST (COLEOPTERA, CURCULIONIDAE) WITH SOME NOTES ON LEPTOMIAS FAUST.

N A Aslam

Ann Mag Natur Hist 3(4,OCT-DEC)543-560

Dec 1969 410 AN77

Collembola, Curculionidae, Insect histology, Insect physiology, Insect taxono Parthenogenesis, Zoogeography. Insect taxonomy, Oogenesis,

RAPHIDIIDAE (INSECTA, NEUROPTERA). 154. CONTRIBUTION TO THE SERIES RESULTS OF THE ZOOLOGICAL INVESTIGATIONS OF DR. Z. KAZAB IN MONGOLIA. (DU)

H Aspock U Aspock

Entomol Ber 28(6):115-120

01 Jun 1968 420 N38B

Insect taxonomy, Neuroptera, Zoogcography. English abstract

14125-69

BRUCHID BEETLES (COLEOPTERA, BRUCHIDAE) FROM THE MEGRI DISTRICT OF ARMENIA.

B A Bagdasaryan

Entomol Rev 46(4,OCT-DEC):475-477 REF Dec 1967 421 R322AE

Bruchidae, Catalogs, Host relationships, Insect taxonomy, Plant taxonomy. Russian journal pp. 805-

14126-69

A SURVEY OF THE DISTRIBUTION AND PRESENT STATUS OF THE WOOD ANT, FOR-MICA RUFA L. (HYM., FORMICIDAE) IN ENGLAND AND WALES.

K E J Barrett

Soc Brit Entomol Trans 17(8):218-233,MAP REF Mar 1968 420 SO15

Formica rufa, Formicidae, Statistical distributions, Zoogeography.

14127-69

CONTRIBUTION TO THE KNOWLEDGE OF THE NEOTROPICAL ORIBATID FAUNA. 5. ARCHEGOZETES. (ARACH., ACARI). (GE)

L Beck

Senckenb Biol 48(5-6):407-414

22 Dec 1967 410.9 SE5

Insect taxonomy, Oribatei, Zoogeography.

A NEW SPECIES OF ICHNEUMONIDAE FROM RUMANIA. (GE)

M J Constantineanu

Deut Entomol Ges Mitt 20(1):14-16

15 Feb 1961 420 D482

Ichneumonidae, Taxonomy, Zoogeography.

14129-69

AN INDEX-CATALOGUE OF THE GENUS-GROUP NAMES OF ORIENTAL AND AUS-TRALASIAN TACHINIDAE (DIPTERA) AND THEIR TYPE-SPECIES.

R W Crosskey

Brit Mus (natur Hist) Entomol Bull Suppl 20(1):1-39

1967 420 B773

Catalogs, Insect taxonomy, Tachinidae, Zoogeog-

CONTRIBUTION TO THE KNOWLEDGE OF THE GENUS SAPRINUS (COL. HISTERIDAE). II. (GE)

G Dahlgren

Opusc Entomol 33(1-2):82-94

1968 421 OP7

Catalogs, Histeridac, Insect taxonomy, Zoogeography.

SPHECIDAE OF THE CANARY ISLANDS (HYMENOPTERA). (FR)

J De Beaumont

Brit Mus (natur Hist) Entomol Bull Suppl 21(5):247-278 REF

1968 420 B773

Catalogs, Insect taxonomy, Sphccidae. English abstract

14132-69

THE EXISTENCE OF BARK BORERS IN BER-L1N (LEPID.). (GE)

H Dorfmann

Deut Entomol Ges Mitt 19(1):17-19 REF

15 Feb 1960 420 D482

Bark, Lepidoptera, Surveys, Zoogeography.

14133-69

QUASIHESMA--A NEW GENUS OF AUSTRALIAN BEES (APOIDEA: COLLETIDAE).

E M Exlev

Australian J Zool 16(2):227-235

May 1968 410 AU73

Catalogs, Collctidae, Insect taxonomy.

REVISION OF THE GENUS EURYGLOSSELLA COCKERELL (APOIDEA: COLLETIDAE).

E M Exley

Australian J Zool 16(2):219-226

May 1968 410 AU73

Catalogs, Colletidae, Insect taxonomy.

REVISION OF THE GENUS EURYGLOSSULA MICHENER (APOIDEA: COLLETIDAE).

E M Exley

Australian J Zool 16(2):203-217

May 1968 410 AU73

Catalogs, Colletidae, Insect taxonomy.

A NOTE ON THE NEW SPECIES OF SPHEGIGASTER SPIN. (CHALCIDOIDAE, PTEROMALIDAE). (FR)

C Ferriere

Deut Entomol Ges Mitt 18(6):97-99

15 Dcc 1959 420 D482

Chalcidoidae, Insect identification, Insect taxonomy, Pteromalidae.

GEOTACTIC RESPONSE OF THE TWO-SPOTTED SPIDER MITE. TETRANYCHUS UR-TICAE KOCH (ACARINA: TETRANYCHIDAE).

W H Foott

Entomol Soc Ontario Proc 95:106-108

1964 420 ON8

Greenhouses, Habitats, Hibernation, Insect behavior, Research, Tetranychus urticae.

14138-69

ORIBATID MITE FAUNA IN SAROBETSU MOOR IN NORTHERN HOKKAIDO, JAPAN. (JAP)

T Fujikawa

Jap J Appl Entomol Zool 12(1):29-33

Mar 1968 475 J27

Agricultural research, Insect ecology, Mites, Moors, Oribatei, Population, Soil biology, Statistical distributions, Zoogeography. English summary

14139-69

NOTES ON THE GENUS SCHYZOPS SPINOLA, 1837 (PHYLLOCEPHALINAE. PENTATO-MOIDEA, HETEROPTERA). **MARITIMA** (GUER.).

M S K Ghauri

Ann Mag Natur Hist 3(4,OCT-DEC):597-602

Dec 1969 410 AN77

Collembola, Head, Insect eggs, Insect histology, Insect physiology, Insect taxonomy, Pentatomidae, Zoogeography.

14140-69

FURTHER NOTES ON ICELANDIC AGRO-MYZIDAE (DIPT.).

G C D Griffiths

Opusc Entornol 33(1-2):129-138

1968 421 OP7

Agromyzidae, Catalogs, Insect taxonomy, Liriomyza, Phytomyza.

ISOPTERA FROM VIETNAM, CAMBODIA AND

THAILAND.

Opusc Entomol 33(1-2):143-154 1968 421 OP7 Catalogs, Insect taxonomy, Termites.

14142-69

ADVANCES AND PROBLEMS OF APPLIED EN-TOMOLOGICAL STUDIES IN AGRICULTURE AND FORESTRY. (JA)

H Ishikura

Kontyu 35(3):259-266 REF

Sep 1967 421 K833

Agriculture, Economic entomology, Forestry.

14143-69

A NOTE ON THE GENUS PSEUDATHYMA STAUDINGER WITH DESCRIPTION OF A NEW SPECIES (LEPIDOPTERA: (LEPIDOPTERA: NYMPHALIDAE).

T H E Jackson

Ann Mag Natur Hist 3(4,OCT-DEC):493-496

Dec 1969 410 AN77

Biophysies, Foot-and-mouth disease virus, Insect Methodology, Nymphalidae, Polyethylene glycol, Zoogeography.

14144.69

A STUDY OF THE POPULATION OF INSECTS EMERGING AS ADULTS FROM SPETTIGUE'S POND AT LONDON, ONTARIO.

W W Judd

Entomol Soc Ontario Proc 97:90-98

1966 420 ON8

Inseet names, Inseet taxonomy, Larvae, Population, Research, Statistical analysis, Traps.

14145-69

DRAGONFLY CATCHES FROM THE GIF-HORN AREA (A CONTRIBUTION TO THE ODONATA FAUNA OF LOWER SAXONY). (GE)

G Jurzitza

Entomol Z

01 Sep 1969 421 EN85

Odonata, Surveys, Zoogeography.

14146-69

THE PRESENT DISTRIBUTION OF HYLOTRUPES BAJULUS L. (COL., CERAM-BYCIDAE) IN NORWAY AND ITS ABUNDANCE IN SOME DISTRICTS.

P Knudsen A Bakke

Norsk Entomol Tidsskr 14(2):94-102, MAP REF

Cerambycidae, Houses, Hylotrupes bajulus, Population, Zoogeography.

LAMELLAREA, A NEW ORIBATID GENUS (ACARI) FROM SOUTH AFRICA. O B Kok

Acarologia 10(4):711-724 Dec 1968 434.8 AC1

Insect taxonomy, Lamellarea, Oribatei.

14148-69

TWO NEW ORIBATID MITES FROM SOUTH AFRICA (ORIBATEI, ACARI). O B Kok

Acarologia 10(4):696-710 Dec 1968 434.8 AC1

Insect taxonomy, Oribatei.

14149-69

LEAF BEETLE LARVAE OF THE SUBFAMILY EUMOLPINAE AND OF SYNETA BETULAE F. (COLEOPTERA, CHRYSOMELIDAE).

G F Kurcheva

Entomol Rev 46(1,JAN-MAR):132-137 REF Mar 1967 421 R322AE

Catalogs, Chrysomelidae, Insect morphology, Insect taxonomy, Larvae, Zoogeography.

SUB-GENUS OF TETRALOBUS NEW (COLEOPTERA ELATERIDAE). (FR

L Laurent

Gembloux Inst Agron Etat Bull 3(2):328-330 1968 105.1 G285

Elateridae, Inseet taxonomy. English abstraet

THE OCCURENCE OF ECTOEDEMIA LIB-WERDELLA ZIMM. IN WESTERN GERMANY (LEPIDOPTERA, NEPTICULIDAE). (GE)

E Lindner

Deut Entomol Ges Mitt 18(1):7-8

15 Feb 1959 420 D482

Lepidoptera, Neptieulidae, Taxonomy, Zoogeography.

14152-69

THE ICELANDIC FORM OF CARABUS PROBLEMATICUS HBST. (COL. CARABIDAE). A STATISTIC TREATMENT OF SUBSPECIES. C H Lindroth

Opusc Entomol 33(1-2):157-182 REF 1968 421 OP7

Carabidae, Inseet taxonomy, Statistics, Zoogeog-

14153-69

CONTRIBUTION TO THE KNOWLEDGE OF COLOMBIAN FAUNA OF THE CICADEL-LIDAE, (SP)

R Linnavuori

Agr Trop 24(3):147-156 Mar 1968 26 AG8

Cicadellidae, Insect taxonomy.

THE INSECT FAUNA IN THE BURROWS OF THE LONG-CLAWED MOLEVOLE, A CAUCASIAN ENDEMIC SPECIES.

Yu A Lyayster

Entomol Rev 46(1,JAN-MAR):111-120 REF

Mar 1967 421 R322AE

Catalogs, Coleoptera, Diptera, Field mice, Hymenoptera, Insect ecology, Siphonaptera, Surveys, Symbiosis.

14155-69

A FURTHER REPRESENTITIVE OF THE SUB-SPECIES BETULOXYS MACKALIER (HYMENOPTERA: BRACONIDAE. APHIDIINAE). (GE)

M Mackauer

Deut Entomol Ges Mitt 19(6):96-98

15 Dec 1960 420 D482

Braeonidae, Hymenoptera, Insect identification, Taxonomy, Trioxys.

14156-69

ON THE DIAGNOSTICS OF CERTAIN SPECIES OF SPRINGTAILS OF THE GENERA FOL-SOMIA WILLEM AND PSEUDOFOLSOMIA GEN. NOV. (COLLEMBOLA, ISOTOMIDAE) RECORDED IN THE MIDDLE VOLGA RE-GION.

Ye F Martynova

Entomol Rev 46(4,OCT-DEC):501-504

Dee 1967 421 R322AE

Catalogs, Inseet taxonomy, Isotomidae. Russian journal pp. 845-849

14157-69

CONTRIBUTIONS TO THE KNOWLEDGE OF THE HELEIDE FAUNA (DIPT. NEMAT.) OF BERLIN. (GE)

U V Neindorff

Deut Entomol Ges Mitt 18(2):31-35

15 Apr 1959 420 D482

Attraetants, Ceratopogonidae, Diptera, Foreipomyia, Light traps, Parasitism, Research, Taxonomy, Zoogeography.

14158-69

NEW SPECIES OF ACMAEODERA (COLEOPTERA, BUPRESTIDAE).

G H Nelson

Coleopt Bull 21(2):57-58

Jun 1967 421 C674

Buprestidae, Ceanothus, Cuticle, Inseet identification, Insect taxonomy, Research.

14159-69

THE INDO-AUSTRALIAN SPECIES OF THE ULTOR-GROUP OF APANTELES FORSTER (HYMENOPTERA: BRACONIDAE).

G E J Nixon

Brit Mus (natur Hist) Entomol Bull Suppl 21(1):3-34 REF

1967 420 B773

Braconidae, Catalogs, Inseet taxonomy, Zoogeography.

14160-69

THE RHAPHIDOPHORIDAE (ORTHOPTERA) OF AUSTRALIA. PART 7. PALLIDOTETTIX, A NEW GENUS FROM THE NULLARBOR PLAIN, SOUTH-WESTERN AUSTRALIA.

A M Riehards

Linnean Soc New South Wales Proc 93(416,PT 1):46-51 MAP

19 Nov 1968 514 SY2

Insect taxonomy, Orthoptera, Zoogeography.

14161-69

A NEW SPECIES OF TERTIARY WATER BUG FROM THE BECHLEJOVICE DIATOMITES (HETEROPTERA, BELOSTOMATIDAE). (GE)

P Riha I Kukalova

Acta Ent Bohemoslov 64(4):259-260

20 Jul 1967 420 C33

Belostomatidae, Insect taxonomy, Paleoentomology, Tertiary period. English and Czech abstracts

14162-69

PHYCITINAE FROM TURKEY AND GREECE (LEP., PYRALIDAE). (GE)

U Roesler

Entomol Z 79(18):197-210

15 Sep 1969 421 EN85

Phyeitidae, Surveys, Zoogeography.

14163-69

IDENTITY OF INSTARS OF APTEROUS VIVIPARAE OF RHOPALOSIPHUM FITCHII (SANDERSON) AND TOXOPTERA GRAMINUM (RONDANI), (APHIDIDAE, HOMOPTERA).

D L Sana J T Sehulz

Pakistan J Sci Res 19(2-3,APR-JUL):108-112 Jul 1967 475 P173

Aphididae, Inseet identification, Insect taxonomy, Larvae, Rhopalosiphum fitehii, Toxoptera Toxoptera graminum, Viviparity,

14164-69

RHYPAROCHROMINAE TYPES IN THE BRITISH MUSEUM (NATURAL HISTORY) (HEMIPTERA: LYGAEIDAE).

G G E Scudder

Brit Mus (natur Hist) Entomol Bull Suppl 20(6):253-285

1967 420 B773

Catalogs, Inseet taxonomy, Lygaeidae, Museums.

14165-69

IDENTIFICATION LIST. 5. (FR)

Entomophaga 8(4):335-373

1963 421 EN835

Diptera, Hymenoptera, Insect pests, Parasitic insects. Host/parasite and parasite host lists.

14166-69

COMMUNICATION REGARDING THE EX-ISTENCE OF CIDARIA (SUBGEN. CALOSTIGIA) MULTISTRIGARIA HW. ON THE KAISERSTUHL MOUNTAIN IN BADEN. (SUBGEN. (GE)

L. Settele

Entomol Gesell Basel 14(6,NOV-DEC):162

Dee 1964 QL461.E58 Breeding, Butterflies, Caterpillars, Food, Galium, Inseet taxonomy, Salix eaprea.

14167-69 NEW SPECIES OF THE GENUS STEPH. **HETEROTHOPS** FROM CZECHOSLOVAKIA (COL., STAPHYLINIDAE).

A Smetana

Acta Ent Bohemoslov 64(6):466-471 REF 20 Nov 1967 420 C33

Insect taxonomy, Staphylinidae, Zoogeography. English and Czeeh abstraets

14168-69

A SECOND CEPHALOTHRIPS SPECIE IN GER-MANY (INS., PHLAEOTHRIPIDAE). (GE) THYSANOPTERA,

R Z Strassen Senckenb Biol 48(5-6):357-359

22 Dec 1967 410.9 SE5 Insect taxonomy, Phlaeothripidae.

CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES, XLVII. HOMOPTERA CERCOPIDAE AND FULGO-ROIDEA. (FR)

H Synave

Inst Fondamental Afr Noire Bull Ser A Sci Natur 9(1):347-369

Jan 1967 515 D14

Catalogs, Cercopidae, Homoptera, Insect taxonomy, Zoogeography.

14170-69

A COMPARATIVE STUDY OF GASTRIC CAECA IN ADULT AND LARVAL STAGES OF BEETLES BARK (COLEOPTERA: SCOLYTIDAE).

I B Thomas

Entomol Soc Ontario Proc 97:71-90

1966 420 ON8

Insect anatomy, Insect behavior, Insect histology, Insect names, Larvac, Metanastes vulgivagus, Research, Taxonomy.

CONIOPTERYX REMOTA BANKS, FURTHER DESCRIPTION AND LECTOTYPE DESIGNATION (NEUROPTERA, CONIOPTERYGIDAE).

B Tieder

Opusc Entomol 33(1-2):155-156

1968 421 OP7

Borneo, Coniopterygidae, Indonesia, Insect taxonomy, Zoogeography.

ENDOPHYTUS ANEMONES (HERING) IN FIN-LAND (HYM., TENTHREDINIDAE).

V Vikberg

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(4):265-268 REF 20 Dec 1967 421 SU7

Tenthredinidae, Zoogeography.

14173-69

WHAT IS DASYSCYTUS SORDIDUS FIEBER 1864 (HEM. HET. MIRIDAE). (GE)

E Wagner

Deut Entomol Ges Mitt 19(6):98-101

15 Dec 1960 420 D482

Hemiptera, Heteroptera, Insect identification, Insect taxonomy, Miridae.

14174-69

REMARKS CONCERNING SOME SPECIES OF SPIDER WASPS (HYM. POMPILOIDAE)(2.). (GE)

H Wolf

Deut Entomol Ges Mitt 19(3):46-51 REF

15 Jun 1960 420 D482

Hymenoptera, Insect identification, Pompilidae, Taxonomy.

14175-69

REMARKS CONCERNING SOME SPECIES OF WASPS (HYM. POMPILOIDAE (3.). (GE)

H Wolf

Deut Entomol Ges Mitt 20(2):27-32

15 Apr 1961 420 D482

Hymenoptera, Insect identification, Pompilidae, Taxonomy.

CONCERNING SOME WEST GERMAN BEES AND DIGGER WASPS (HYM. APOIDEA, SPHE-COIDEA). (GE)

H Wolf

Deut Entomol Ges Mitt 18(1):11-16 REF

15 Feb 1959 420 D482

Apoidea, Bees, Hymenoptera, Sphecidae, Taxonomy, Zoogeography.

PHYSIOLOGY AND BIOCHEMISTRY

SLEEP IN MOTHS AND ITS DEPENDENCE ON THE FREQUENCY OF STIMULATION IN ANAGASTA KUEHNIELLA.

F S Andersen

Opusc Entomol 33(1-2):15-24

1968 421 OP7

Anagasta kuehniclla, Demography, Insect migration, Insect physiology, Sleep.

14178-69

A CHANGE OF FEEDING HABIT IN ARCHIPS CERASIVORANA (FITCH) (LEPIDOPTERA, TORTRICIDAE).

C E Atwood

Entomol Soc Ontario Proc 97:115-116

1966 420 ON8

Archips cerasivoranus, Feeding, Food plants, Insect behavior, Prunus virginiana, Research.

THE EFFECT OF SODIUM REPLACEMENT ON ELECTRORETINOGRAM RECORDED FROM THE COCKROACH OCELLUS.

M W Atwood

J Insect Physiol 15(10):1887-1896 REF

Oct 1969 421 J825

Blaberus craniifer, Choline, Electron microscopy, Electroretinograms, Insect physiology, Leaves, Nerves, Ocelli, Plant cytology, Plastids, Sodium, Sucrose, Tobacco, Tobacco mosaic virus, Virus diseases (plants).

14180-69

USE OF A NON-ABSORBENT BARRIER IN REARING PUPAE.

C R B Baker

Entomologist (london) 102(1269):39

Feb 1969 421 EN8

Arctiidae, Humidity, Insect rearing equipment, Mortality.

A non-absorbent material is described for use in rearing Spilosoma lubricipeda and S. lutea. The material decreased the mortality of pupae by maintaining a constant humidity over a six month storage period.

ULTRASTRUCTURAL MODIFICATIONS OF THE SECRETION CELLS OF THE THE SECRETION CELLS OF THE PROTHORACIC GLAND TO THEMSELVES DURING THE LAST TWO LARVAL STAGES. I. THE CHONDRIOSOME, AND ITS RELATIONSHIP WITH THE GRANULAR RETICULUM. (FR)

J A Beaulaton

J Cell Biol 39(3):501-525 REF

Dec 1968 442.8 J828

Bombyx mori, Cytology, Dcoxyribonucleic acid, Glands (insects), Insect physiology, Mitochondria. English abstract

14182-69

CONTINUOUS AND RHYTHMIC REPRODUCTIVE CYCLE OBSERVED IN PERIPLANETA AMERICANA (L.).

W J Bell

Biol Bull 137(2):239-249 REF

Oct 1969 442.8 B52

Electrophoresis, Insect biochemistry, Insect biology, Oogenes. Reproduction. Oogenesis, Periplaneta americana, Proteins,

14183-69

DESIGN AND MAINTENANCE OF BEEHIVES. F S Benecke

Agr Gaz New S Wales 78(PT 4):214-220

Apr 1967 23 N472

Apiaries, Apiculture, Construction materials.

ELECTRON MICROSCOPY OF SPINDLE-SHAPED INCLUSION VIRUSES OF COLEOP-TERA. (FR)

M Bergoin G Devauchelle J-L Duthoit C Vago Acad Sci Compt Rend Ser D Sci Nat 266(20, 1ST SEMESTER):2126-2128 REF

13 May 1968 505 P21

Coleoptera, Electron microscopy, Insect diseases, Scarabaeidae, Viruscs.

DNA-MEASUREMENTS IN INSECTS AND A HYPOTHESIS CONCERNING RETARDED EVOLUTION AND ESPECIALLY HIGH DNA CONTENT IN THE ANIMAL KINGDOM. (GER) K Bier W Muller

Biol Zentralbl 88(4,JUL-AUG):425-449 REF

Aug 1969 442.8 B523

Animals, Deoxyribonucleic acid, Disease transmission, Evolution, Insect biochemistry, Insect physiology, Insect vectors, Onchocerciasis, physiology, Physiology, Simulium damnosum. Spcctrophotometry.

14186-69

AZIRIDINYL **CHEMOSTERILANTS** FOR HOUSE FLIES.

A B Borkovec R L Fye G C LaBrecque USDA Prod Res Rep (129):60P REF

Oct 1968 A281.9 AG8

Biological control (insects), Chemical control (insects), Chemical reactions, Chemosterilants, Ethylenimine, Musca domestica, Reproduction, Tables (data).

14187-69

SOME PHASE CHARACTERISTICS OF THE SOUTHERN AFRICAN FORM OF THE DESERT LOCUST (SCHISTOCERCA GREGARIA (FOR-SKAL)).

D H Botha

S Afr J Agr Sci 10(1):61-76 REF

Mar 1967 24 SU3

Insect behavior, Insect taxonomy, Schistocerca gregaria, Zoogeography.

14188-69

THE VIABILITY OF BROWN LOCUST EGGS (LOCUSTANA PARDALINA (WALKER)).

D H Botha

S Afr J Agr Sci 10(2):445-460

Jun 1967 24 SU3

Acrididae, Eggs, Environment, Insect ecology, Locustana pardalina, Mortality, Population.

INSECT VISCERAL MUSCLE: NEURAL RELA-TIONS OF THE PROCTODEAL MUSCLES OF THE COCKROACH.

B E Brown T Nagai

J Insect Physiol 15(10):1767-1783 REF

Oct 1969 421 J825

Bacteriology, Brucellosis, Diagnosis, Electrophysiology, Insect physiology, Methodology, Muscles, Nerves, Periplaneta americana, Serological tests. English and Spanish abstracts.

PHYSIOLOGICAL GENETICS OF MELANOTIC TUMORS IN DROSOPHILA MELANOGASTER. VI. THE TUMORIGENIC EFFECTS OF JUVENILE HORMONE-LIKE SUBSTANCES.

P J Bryant J H Sang J Kradel Genetics 62(2):321-336 REF

Jun 1969 442.8 G28 Chromatophores, Drosophila melanogaster, Hormones, Insect genetics, Insect physiology, Methodology, Pesticide application, Soil fumiga-tion, Tumor cells. English abstract.

HISTOCHEMICAL DATA ON THE CARDIAC BODIES OF ANTHERAEA PERNYI GUER. (LEPIDOPTERA, ATTACIDAE) AND OF RHOD-NIUS PROLIXUS STAL. (HEMIPTERA, REDU-VIIDAE). (FR)

M Busselet Acad Sci Compt Rend Ser D Sci Nat 266(24, 1ST SEMESTER):2280-2282 REF

10 Jun 1968 505 P21

Antheraea pernyi, Dorsal vessel, Histochemistry, Insect physiology, Reduviidae.

THE ULTRASTRUCTURE AND ELECTROPHYSIOLOGY OF THE MEMBRANOUS LOBE OF THE ANTENNA IN SPEOPHYES LUCIDULUS LARVAE (COLEOPTERA). (FR)

G Corbiere J Gervet

J Insect Physiol 15(10):1759-1765 REF Oct 1969 421 J825

Antennae, Chemoreceptors, Coleoptera, Electron microscopy, Electrophysiology, Insect behavior, Insect nests, Larvae, Reproduction, Sphecidae. English abstract.

14193-69

A SEROLOGICAL COMPARISON OF SOME IRIDESCENT NON-OCCLUDED INSECT VIRUSES.

J C Cunningham T W Tinsley J Gen Virol (3.PT 1):1-8 REF Jul 1968 QR360.A1J6

Agar, Antigens, Galleria mellonella, Insect discases, Pieris brassicae, Porthetria dispar, Sericesthis iridescent virus, Serological tests, Tipula iridescent virus.

DESIGN OF HONEY HOUSES--CENTRAL AND MORILE.

N A Cutts

Agr Gaz New S Wales 78(PT 10):570-575

Oct 1967 23 N472

Apiaries, Apiculture, Construction materials, Honey, Processing.

14195-69

EFFECT OF THE VENOM OF THE BLACK WIDOW SPIDER, LATRODECTUS MACTANS TREDECIMGUTTATUS, ON EVOKED ACTION POTENTIALS IN THE ISOLATED NERVE CORD OF PERIPLANETA AMERICANA.

V D'Ajello A Mauro S Bettini Toxicon 7(2):139-144

Sep 1969 391.8 T66

potential, Bio-electric Insect physiology, Latrodectus mactans, Methodology, Nerves, Periplaneta americana, Pesticide application, Soil fumigation, Venoms. English abstract.

14196-69

ESSENTIALS IN PEST CONTROL.

B Y Deshpande Pesticides 1(9):17-18 May 1968 SB951.P43

Agricultural education, Ecology, Insect biology, Inscct pests, Insecticides, Livestock, Medical entomology, Plant pest control.

INSECT HORMONES: OLIVE OIL IS NOT AN INERT VEHICLE FOR HORMONE INJECTION INTO LOCUSTS.

P E Ellis D B Carlisle

Science 162(3860):1393-1394 REF

20 Dec 1968 470 SC12

Acrididae, Cells, Dosage, Hormoncs, Injections, Insect physiology, Olive oil, Research, Schistocerca gregaria.

14198-69

STUDIES ON A TREHALASE FROM A SYM-BIONT OF THE TROPICAL COCKROACH, BLABERUS CRANIIFER--A SUGGESTED ANALYTICAL ENZYME.

F M Fisher R O McAlister

Biol Bull 137(2):265-276 REF

Oct 1969 442.8 B52

Blaberus craniifer, Enzymes, Insect biochemistry, Proteins, Trehalase.

14199.69

DEVELOPMENT AND DIAPAUSE IN INSECTS. (JA)

M Fukaya

Kontyu 35(3):221-230 REF

Scp 1967 421 K833

Deoxyribonucleic acid, Hormones, Insect genetics, Insect morphology, Insect Metamorphosis, Ribonucleic acid. physiology.

14200-69

EXPERIMENTS ON NUCLEAR TRANSPLAN-TATION IN DROSOPHILA MELANOGASTER. PRELIMINARY REPORT.

1 Gcycr-Duszynska

Rev Suisse Zool 74(3):614-615

Dec 1967 410 R324

Cell nucleus, Drosophila mclanogaster, Insect cytology, Larvae.

14201-69

QUANTITATIVE ASPECTS OF INSECT NUTRI-TION.

H T Gordon

Amer Zool 8(1):131-138 REF

Fcb 1968 410 AM3

Bioenergetics, Food consumption, Insect metabolism, Insect nutrition, Quantitative analysis.

The small size of insects is correlated with food consumption, growth and metabolic rates. Their high metabolic efficiency, short life cycle, high metabolic potential and rapid genetic adaptation and speciation is discussed.

14202-69

PLICTRAN MITICIDE-NEW APPROACH TO MITE CONTROL.

H E Gray

Down Earth 23(4):3-5 SPRING

1968 381 D75

Acaricides, Chemical control (insects). Economics, Mites, Pesticide residues, Plants, Soils, Toxicology, Tricyclohexylhydroxytin.

EPIZOIC SYMBIOSIS.

J L Gressitt

Entomol News (philadelphia) 80(1):1-5

Jan 1969 421 EN88

Algae, Forests, Fungi, Habitats, Insect ecology, Lichenes, Rhynchophora, Symbiosis.

Symbiotic associations among cryptographic plants, orbatid mites, rotifers, nematodes and microorganisms living together on the backs of beetles, primarily weevils, from New Guinea are discussed ecologically. The relationship of high altitude and humidity and modifications of the hosts are reviewed.

HILARIA SARTOR BECKER, THE FLY WITH THE LITTLE VEIL AND ITS DANCE (DIP-TERA). (GE)

K Gruhl

Deut Entomol Ges Mitt 21(3):43-46 REF 15 Jun 1962 420 D482

Anatomy, Diptera, Hilaria, Insect behavior, Physiology. Second continuation and conclusion from vol. 21 no. 1 and 2.

HILARIA SARTOR BECKER, THE FLY WITH THE LITTLE VEIL AND ITS DANCE (DIP-TERA). (GE)

K Gruhl

Deut Entomol Ges Mitt 21(1):8-12

15 Feb 1962 420 D482

Anatomy, Diptera, Hilaria, Insect behavior, Physiology. To be continued

14206-69

ON THE CROSS-INOCULATION OF CHILO IRIDESCENT VIRUS, CIV. (JAP)

H Hama

Jap J Appl Entomol Zool 12(1):34-39 REF Mar 1968 475 J27

Chilo iridescent virus, Chilo suppressalis, Dendrolimus spectabilis, Galleria mcllonella, Immunization, Insect discases, Insect histology, Larvae, Pieris rapae crucivora, Viruses. English summary

14207-69

ULTRASTRUCTURE OF THE ILEUM OF THE EUROPEAN CORN BORER, OSTRINIA NU-BILALIS.

M Hasscmer S D Beck M Sugawara D Murayama J Insect Physiol 15(10):1791-1802

Oct 1969 421 J825

Electron microscopy, Gastrointestinal system, Insect physiology, Leaf roll, Ostrinia nubilalis, Potatoes, Virus discases (plants), Virus purification.

14208-69

RADIATION SENSITIVITY OF DROSOPHILA EMBRYOS IN RELATION TO AGE, IN AIR AND IN NITROGEN.

E Havin P Oftedal

Int J Radiat Biol 14(2):149-160 REF

16 Oct 1968 444,8 IN8

Aging, Air, Drosophila melanogaster, Eggs, Nitrogen, X-rays.

14209-69

A STUDY OF FREE AMINO ACIDS IN RICE MOTH LARVAE DURING MYCOTOXICOSIS.

U C Hedge E R B Shanmugasundaram Can J Comp Med Vet Sci 32(1):392-394 REF Jan 1968 41.8 C162

Aflatoxicosis, Amino acids, Aspergillus flavus, Insect biochemistry, Insect physiology, Larvae, Moths, Mycotoxicosis.

Abstract: There is an increase in free amino acids in intoxicated larvae and this was directerly proportional to the degree of toxicity as indicated by decrease in growth of these larvae. The study of excretary pattern of amino acids show intoxicated larvac excrete less amino acids than normal larvae.

14210-69

INSECTS VS MAN. (LEP. NOTODONTIDAE).

G A Helson

New Zeal J Agr 119(3):41-43

Sep 1969 23 N48J

Chemical control (insects), Classification, Crop losses, Insect ecology, Insect pests, Insect physiology, Larvae, Notodontidae, Plant geography, Survevs.

A TROGLOBITIC STAPHYLINID FROM MEX-ICO (COLEOPTERA, STAPHYLINIDAE. PAEDERINAE).

L. J. Herman

Amer Mus Novitates (2367):1-9

24 Apr 1969 500 N483N

Insect ecology, Insect taxonomy, Staphylinidae.

14212-69

PROPERTIES OF LEPTINOTARSIN, A TOXIC HEMOLYMPH PROTEIN FROM THE COLORADO POTATO BEETLE.

T H Hsiao G Fraenkel

Toxicon 7(2):119-130 REF

Sep 1969 391.8 T66

Botrytis cinera, Chemical analysis, Copper oxychloride, Grapc vineyards, Hcmolymph, Inscct biochemistry, Leptinotarsa decemlineata, Musca domestica, Proteins, Spraying equipment, Tox-icology, Toxins. English abstract.

14213-69

ADENINE AND RELATED SUBSTANCES AS POTENT FEEDING STIMULANTS FOR THE ALFALFA WEEVIL, HYPERA POSTICA.

T H Hsiao J Gammel E Jean J Kissel C Royer J Insect Physiol 15(10):1785-1790 REF Oct 1969 421 J825

Adenine, Alfalfa, Animal physiology, Cattle, Diagnosis, Feeding, Hypera postica, Insect behavior, Plant extracts, Rabies, Stimulants, Virus discascs (animals).

THE PHEROMONE OF THE QUEEN OF THE ORIENTAL HORNET, VESPA ORIENTALIS.

R Ikan R Gottlieb E D Bergmann J Ishay J Insect Physiol 15(10):1709-1712 REF Oct 1969 421 J825

Chemical analysis, Chromatography, Hydrolysis, Insect biochemistry, Mass spectra, Myzus ascalonicus, Pheromones, Population, Secretions, Strawberries, Temperature, Vespa orientalis.

14215-69

DD--136: THE WORM THAT MAKES SHORT WORK OF INSECT PESTS.

Indian Farming 16(8):22-23 Nov 1966 22 IN283

Biological control (insects), Nematodes, Rearing.

ISOLATION OF VIRUSES OF THE CALIFORNIA ENCEPHALITIS VIRUS GROUP FROM BOREAL AEDES MOSQUITOES.

J Iversen R P Hanson O Papadopoulos C V Morris G R DeFoliart 6

Amer J Trop Med Hyg 18(5):735-742 MAP REF 448.8 AM326

Aedes communis, Aedes stimulans, California encephalitis virus, Insect vectors, Viruscs.

THE PHOTOTACTIC PUSH-PULL-COUPLING BETWEEN DORSAL OCELLI AND COM-POUND EYES IN THE PHOTOTROPOTAXIS OF LOCUSTS AND CRICKETS (SALTATOP-TERA: LUCUSTA MIGRATORIA AND GRYL-LUS BIMACULATUS). (GER)

R Jander C K Barry

Z Vergleichende Physiol 57(4):432-458 REF 1968 444.8 Z3

Eyes, Grasshoppers, Gryllus bimaculatus, Insect physiology, Locusta mig Phototropism. English summary migratoria, Ocelli,

THE EFFECTS OF LIGATURING GALLERIA MELLONELLA LARVAE ON TOTAL HAEMOCYTE COUNTS AND ON MITOTIC INDICES AMONG HAEMOCYTES.

J C Jones D P Liu

J Insect Physiol 15(10):1703-1708

Oct 1969 421 J825

Barley, Blood cells, Erysiphe graminis, Fungus diseases (plants), Galleria mellonella, Genes, Insect physiology, Larvae, Mitosis, Plant disease resistance, Plant physiology, Powdery mildew, Su-

14219-69

CYTOLOGY AND CYTOCHEMISTRY OF SPERMATOGENESIS IN TWO MILLIPEDES PHYLLOGONOSTREPTUS NIGROLABIATUS AND GONOPLECTUS MALAYAS.

N R Kalla J A W Lucas Cytologia 34(1):80-89 REF

Mar 1969 44.8 C99

Diplopoda, Insect biochemistry, Insect taxonomy, Photomicrography, Spermatogenesis, Surveys, Syrphidae.

14220-69

FIELD STUDIES ON THE LIFE-HISTORIES OF SOME BRITISH STAPHYLINIDAE (COLEOP-TERA).

F K Kasule

Soc Brit Entomol Trans 18(PT. 4):49-80 REF Dec 1968 420 SO15

Demography, Insect behavior, Life cycle, Seasonal variation, Staphylinidae.

CATERPILLAR POLYMORPHISM OF PER-GESA ELPENOR L. (GE)

K Kernbach

Deut Entomol Ges Mitt 18(3):49-51

15 Jun 1959 420 D482

Caterpillars, Environment, Insect morphology, Larvae, Polymorphism, Temperature.

14222-69

HAWK MOTHS WITH MITES. (LEP. SPHIN-GIDAE). (GE)

K Kernbach

Deut Entomol Ges Mitt 21(5-6):68

15 Nov 1962 420 D482

Insect behavior, Lepidoptera, Mites, Moths, Parasitism, Sphingidae.

THE ABILITY OF COLOUR DISTINCTION IN THE WOOD-ANT FORMICA POLYCTENA FORSTER. (GER)

J Kieperheuer

Z Vergleichende Physiol 57(4):409-411

1968 444.8 Z3

Color, Formica polyctena, Insect behavior, Insect cultures, Light, Vision. English summary

14224-69

PARASITIZATION OF SOCIAL HALICTINE BEES IN SOUTHERN ONTARIO.

G Knerer C E Atwood

Entomol Soc Ontario Proc 97:103-110 REF 1966 420 ON8

Bees, Insect behavior, Insect names, Parasitism, Population, Research, Statistical analysis.

14225-69

DAWN AND DUSK ACTIVITY PERIODS AND ORIENTATION TO FOREST AND FIELD OF THE DROSOPHILA SUBOBSCURA AND DROSOPHILA OBSCURA. (GE)

R Koch

Z Vergleichende Physiol 54(3):353-394 REF 1967 444.8 Z3

Drosophila obscura, Drosophila subobscura, Forest insects, Insect behavior, Insect cultures, Insect ecology, Land, Photoperiodism. English summary

ARBOVIRUS STUDIES IN THE OHIO-MISSIS-SIPPI BASIN, 1964--1967. IV. CACHE VALLEY VIRUS.

R H Kokernot J Hayes C H Tempelis D H M Chan K R Boyd Et Al Amer J Trop Med Hyg 18(5):768-773 REF

Sep 1969 448.8 AM326

Anopheles quadrimaculatus, Antibodies, Arboviruses, Cattle, Surveys.

14227-69

ARBOVIRUS STUDIES IN THE OHIO-MISSIS-SIPPI BASIN, 1964--1967. 11I. FLANDERS VIRUS.

R H Kokernot J Hayes R L Will B Radivojevic K R Boyd Et Al

Amer J Trop Med Hyg 18(5):762-767

Sep 1969 448.8 AM326

Animal disease transmission, Arboviruses, Culex restuans.

MATING AND OVARY STUDIES ON CERAP-TERYX GRAMMIS L. (LEP. NOCTUIDAE), COLLECTED FROM A LIGHT TRAP.

O Kugelberg

Opusc Entomol 33(1-2):107-110 REF 1968 421 OP7

Insect behavior, Insect ecology, Noctuidae, Ovaries, Sex behavior.

OBSERVATIONS ON THE OVULATION AND OVIPOSITION WITH REFERENCE TO COR-PUS LUTEUM FORMATION IN MUSCA DOMESTICA NEBULO FABR. (MUSCIDAE: DIPTERA).

S K Kulshrestha

Ann Mag Natur Hist 3(4,OCT-DEC):561-570 RFF

Dec 1969 410 AN77

Corpus luteum, Curculionidac, Insect eggs, Insect histology, Insect physiology, Musca domestica, Oviposition, Ovulation.

14230-69

STRUCTURAL PECULIARITIES OF THE MOUTH PARTS IN CERTAIN GAMASID MITES (PARASITIFORMES, GAMASOIDEA) IN RELATION TO THEIR TRANSITION TO HAE-MATOPHAGY.

Yu P Lagutenko

Entomol Rev 46(4,OCT-DEC):461-466 REF Dcc 1967 421 R322AE

Insect evolution, Insect morphology, Mites, Mouth. Russian journal pp. 784-792

KEY TO THE ADULT HYMENOPTEROUS PARASITES OF PULICALVARIA PICEAELLA (KEARFOOT), (LEPIDOPTERA: GELICHIDAE) OF QUEBEC. (FR)

J P Laplante

Entoniol Soc Quebec Ann 12(3):137-165 REF Sep 1967 420 EN822

Gclechiidae, Hymenoptera, Lepidoptera, Parasitic insccts, Pulicalvaria, Zoogeography.

ARTIFICIAL STIMULATIONS IN ENCOUNTER BEHAVIOR OF VESTRIA VIRIDIS (REDT.)
(ORTHOPTERA TETTIGONIDAE COPIPHORINAE DE LA TRINITE). (FR)

Y Leroy

Acad Sci Compt Rend Ser D Sci Nat 266(17, 1ST SEMESTER):1761-1763

22 Apr 1968 505 P21 Insect behavior, Tettigoniidae.

THE MANDIBLES OF TWO SOUTH AMER-**ICAN GRASSHOPPERS. (SP)**

J Liebermann

Rev Invest Agr Ser 5, Patol Veg 5(5):53-62 1968 464.8 R322

Acrididae, Food habits, Insect morphology, Mouth parts, South America. English abstract

14234-69

PRELIMINARY REPORT ABOUT MY BREED-ING ATTEMPTS WITH MICROPTERYX CALTHELLA L. (LEP., MICR.). (GE)

R E Lorenz

Deut Entomol Ges Mitt 18(3):42-45

15 Jun 1959 420 D482

Breeding, Food plants, Insect behavior, Lepidoptera, Micropterygidae, Reports.

OBSERVATIONS ON WOOD-DESTROYING IN-SECT LIVING IN THE FOOTBRIDGE OVER S11KANEVA BOG.

K Lovttyniemi

Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(4):260-264

20 Dec 1967 421 SU7

Bogs, Ccrambycidae, Insect ecology, Tragosoma depsarium, Wood-destroying insects.

14236-69

HORMONAL CONTROL OF IMAGINAL DISC REGENERATION IN GALLERIA MELLONEL-LA (LEPIDOPTERA).

K Madhavan H A Schneiderman

Biol Bull 137(2):321-331

Oct 1969 442.8 B52 Ecdysone, Galleria mellonella, Hormones, Insect physiology, Metamorphosis, Regeneration.

A NEW METHOD OF ESTIMATING POPULA-TION SIZE, SURVIVORSHIP, AND BIRTH RATE FROM CAPTURE-RECAPTURE DATA.

BF J Manly MJ Parr

Soc Brit Entoniol Trans 18(PT. 5):81-89

Dec 1968 420 SO15

Insect behavior, Longevity, Population, Statistical methods, Zygacnidae.

14238-69

SOME ASPECTS OF ADAPTATION IN THE LIFE CYCLE OF INSECTS. (JA

S Masaki

Kontyu 35(3):205-220

Sep 1967 421 K833

Insect adaptation, Insect biology, Metamorphosis.

DOES THE BEATING OF BUTTERFLY WINGS CAUSE ELECTRICAL PHENOMENA. (GE)

R McII

Deut Entomol Ges Mitt 18(1):5-6

15 Feb 1959 420 D482

Butterflies, Electricity, Frogs, Insect behavior, Sex, Wings (insects).

14240-69

A THREE DIMENSIONAL SKETCH OF THE TUNNELS OF THE RAPIENTIA NESTS (HYM., SPHECOIDEA).

A K Merisud

Suonien Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(3):176-180

02 Nov 1967 421 SU7 Construction materials, Hymcnoptera, Illustrations, Insect ecology, Insect nests.

14241-69

ON THE LIFE CYCLE OF COELORABRO AM-BIGUUS (HYM., SPHECIDAE). (GE)

A K Mcrisuo

Suomen Hyonteistieteellinen Aikokouskir Ann Entomol Fenn 33(2):99-101 30 Aug 1967 421 SU7

Insect ecology, Life cycle, Sphecidae.

THE ACTION OF X-RAYS ON THE OSMOTIC PRESSURE AND THE PH OF THE HEMOLYMPH OF GALLERIA MELLONELLA L. (INSECTA LEPIDOPTERA). (FR)

G Mestres P Laviolette

Acod Sci Compt Rend Ser D Sci Nat 266(20, 1ST SEMESTER):2093-2096

13 May 1968 505 P21

Galleria mellonella, Hemolymph, Hydrogen-ion concentration, Insect physiology, Osmotic pressure, X-rays.

14243-69

EPHIPPIGER (BURM.) (ODONATA) CARRIED TO ICELAND FROM THE EASTERN MEDITERRANEAN BY AN AIR-

K Mikkola

Opusc Entomol 33(1-2):111-113 MAP

1968 421 OP7

Air, Insect dissemination, Odonata.

14244-69

OBSERVATIONS OF THE INSECT PESTS OF THE OLD SHRINE AND THE BUDDHIST TEMPLE WOODEN BUILDINGS AND A FEW TRYPOXYLONID WASPS. (JA)

I Minamikawa

Jap J Appl Entomol Zool 12(1):45

Mar 1968 475 J27

Buildings, Hymenoptera, Insect ecology, Insect pests, Trypoxyloninae, Wood-destroying insects.

CHARACTERISTIC ORDER OF THE FILIFORM HAIRS OF PERIPLANETA AMER-ICANA. (GER)

R Nicklaus

Z Vergleichende Physiol 54(3):434-437

1967 444.8 Z3

Hair, Insect physiology, Light, Microscopy, Periplaneta americana.

FRUIT-PIERCING MOTHS AND THEIR CON-TROL IN JAPAN. (JA)

K Nomura I Hattori Kontyu 35(3):312-322

Sep 1967 421 K833

Cave fauna, Insect control, Insect ecology, Lepidoptera, Moths.

THE DETAILS OF ENDOMITOSIS IN THE SE-RICEOUS GLANDS OF GALLERIA MEL-LONELLA (INSECTA LEPIDOPTERA). (FR)

C G Nordau

Acad Sci Compt Rend Ser D Sci Nat 266(17, 1ST SEMESTER):1749-1750

22 Apr 1968 505 P21

Cell nucleus, Cytology, Galleria mellonella, Insect physiology, Mitosis, Silk glands.

14248-69

GERTSCH AND MULAIK V
HELIOTHIS VIRESCENS
OOSTERMOT RECLUSA VENOM ON VIRESCENS (F.) LARVAE. OOSTERHOF, G.

B R Norment S B Vinson

Toxicon 7(2):99-101

Sep 1969 391.8 T66

Dichlobenil, Heliothis virescens, Hemolymph, Herbicide application, Insect biochemistry, Larvae, Lipids, Loxosceles reclusa, Methodology, Muscles, Proteins, Venoms. English abstract.

14249-69

THE FLIGHT ACTIVITY OF THE PIGMY-MANGOLD CHAFER ATOMARIA LINEARIS STEPH. IN THE COURSE OF 24 HOURS. (COL., CRYPTOPHAGIDAE). (GE)

Acto Ent Bohemoslov 64(4):294-302 REF

20 Jul 1967 420 C33

Cryptophagidae, Insect behavior, Insect flight. English and Czech abstracts

14250-69

ECDYSONE AND DNA SYNTHESIS IN CUL-TURED WING DISKS OF THE WAX MOTH, GALLERIA MELLONELLA.

H Oberlander R I B Francki

J Insect Physiol 15(10):1803-1806

Oct 1969 421 J825

Deoxyribonucleic acid, Ecdysone, Electron microscopy, Galleria mellonella, Insect biochemistry, Ribonucleic acid, Ring spot, Staining, Synthesis, Tissue culture, Tobacco, Virus diseases (plants).

STUDY ON THE DENSITY OF THE ADULT OF THE BROWN PLANTHOPPER NILAPARVATA LUGENS STAL.

N Ohkubo

Jop J Ecol 17(6):230-233

Dec 1967 410 J272

Eggs, Imagos, Insect dissemination, Insect physiology, Nilaparvata lugens, Ovipositors, Population, Wings (insects). English summary

A CORRELATION BETWEEN THE ABILITY TO WITHSTAND HIGH TEMPERATURES AND RADIORESISTANCE IN DROSOPHILA MELANOGASTER.

P A Parsons

Experientia 25(9):1000-1001 REF

15 Sep 1969 475 EX7

Cobalt, Drosophila melanogaster, Insect physiology, Irradiation, Radiobiology, Temperature.

14253-69

OVIPOSITION SITES AND THE VIABILITY OF EGGS OF THYMELICUS LINEOLA (OCHS.) (LEPIDOPTERA: HESPERIIDAE).

D H Pengelly

Entomol Soc Ontario Proc 95:102-105

1966 420 ON8

Eggs, Habitats, Insect control, Morphology, Ovipositors, Research, Thymelicus lineola.

14254-69

SPECIAL FORMS OF AMITOTIC NUCLEAR DIVISION IN STRIATED MUSCLE AND OTHER INSECT TISSUES.

T P Pessacq

Experientia 25(9):977-978

15 Sep 1969 475 EX7

Amitosis, Cell nucleus, Coleoptera, Diptera, Hymcnoptera, Insect physiology, Lepidoptera, Muscles.

EXCEPTIONS TO THE PREVAILING PAT-TERN OF TUBULES (9 PLUS 9 PLUS 2) IN THE SPERM FLAGELLA OF CERTAIN INSECT SPE-

D M Phillips

J Cell Biol 40(1):28-43 REF

Jan 1969 442.8 J828

Ctenocephalides, Flagella, Insect histology, Psocidae, Spermatozoa.

14256-69

DIAPAUSE IN THE NEUROPTERAN CHRYSOPA OCULATA. BY ULTRACENTRIFU-GATION AND IDENTIFICATION OF N- AND CTERMINAL ENDS.

G D Propp M J Tauber C A Tauher J Insect Physiol 15(10):1749-1757 REF

Oct 1969 421 J825

Bacillus thuringiensis, Bacteriology, Biochemistry, Centrifuges, Chrysopa, Insect physiology, Larvae, Light, Temperature.

14257-69

SPERM ACTIVATION AND MIGRATION IN BED BUGS. SIZE IN HYPERSENSITIVE HOSTS IN THE PRESENCE OF CHLORAMPHENICOL.

H V Rad N T Davis T Van Praagh

J Insect Physiol 15(10) 1815-1832 REF

Oct 1969 421 J825

Chloramphenicol, Cimex lectularius, Hydrogen-ion concentration, Hypersensitivity, Insect behavior, Insect biochemistry, Reproduction, Spermatozoa, Tobacco, Tobacco mosaic virus, Virus diseases (plants).

BRAIN INTERNEURONS IN NOCTUID MOTHS: DIFFERENTIAL SUPPRESSION BY HIGH SOUND INTENSITIES. AND GRASSES.

K D Roeder P A Burgess

J Insect Physiol 15(10):1713-1718

Oct 1969 421 J825

Avena fatua, Brain, Bromus, Ccphalosporium gramineum, Dactylis glomerata, Fungus diseases (plants), Grain, Grasses, Heliothis zea, Insect physiology, Nerves, Noctuidae, Sound waves. Stripe.

14259-69

OBSERVATIONS ON THE DIAPAUSAL AND POST-DIAPAUSAL, PROTERANDRIC DEVELOPMENTAL EVENTS IN CATERPILLARS OF SPARGANOTHIS PILLERIANA SCHIFF. (LEPIDOPTERA: TORTRICIDAE). (GE)

K Russ

Pflanzenschutzberichte 38(5/7):57-68

Jul 1968 464.9 P48

Feeding, Insect morphology, Measurement, Metamorphosis, Research, Tortricidae. English summary

PERSISTENT TOXICITY OF SOME SYSTEMIC INSECTICIDES TO LITTLE HONEY BEES.

M L Saini A D Khurana

Pesticides 1(7):24-25 Mar 1968 SB951.P43

Apis, Chemical control (insects), Dimethoate, Menazon, Phosphamidon, Poisoning, Systemic insecticides, Toxicology.

14261-69

HYDROLYSIS OF HYDROLYSIS OF ACETYLTHIOCHOLINE AND BUTYRYLTHIOCHOLINE BY CHOLINESTERASES OF INSECTS AND A

M Sakai

Appl Entomol Zool 2(2):111-112

Jun 1967 SB599.A6

Acetylcholinesterases, Biochemistry, Cholinesterases, Colorimetry, Hydrolysis, Insects, Mites, Research, Substrates, Temperature.

14262-69

TENSION TRANSIENTS IN GLYCEROL-EX-TRACTED FIBRES OF INSECT FIBRILLAR MUSCLE (LETHOCERUS MAXIMUS).

M Schadler G Steiger J C Ruegg Experientio 25(9):942-943 REF

15 Sep 1969 475 EX7

Insect physiology, Lethocerus maximus, Muscles, Temperature, Tension.

14263-69

BLOSSOM VISITATIONS OF DOMESTIC AL-LANTUS SPECIES, AND PLACES WHERE THEY ARE FOUND. (GE)

E Schmidt

Deut Entomol Ges Mitt 18(5):72-73

15 Oct 1959 420 D482

Flowers, Insect hehavior, Tenthredinidae, Zoogeography.

14264-69

THE MODE OF LIFE OF THE BORER MOTH PARASITE ADELIUS FORST.(HYM., BRAC.). (GE) **ERYTHRONOTUS**

J Schoenherr

Deut Entomol Ges Mitt 18(6):99-101

15 Dec 1959 420 D482

Braconidae, Food plants, Hymenoptera, Insect behavior, Parasitism.

BODY CONSTRAINT AND DEVELOPMENTAL ARREST IN GALLERIA MELLONELLA L.: FURTHER STUDIES.

F Sehnal J S Edwards

Biol Bull 137(2):352-358 REF

Oct 1969 442.8 B52

Galleria mellonella, Glands (insects), Hormones, Insect physiology, Metamorphosis, Neuroendocrines, Restraining table.

NATURAL MORTALITY OF OVERWINTER-ING EGGS OF LONGIUNGUIS DONACIS (PASS.). (FR)

M.L. Sharma

Entomol Soc Quebec Ann 12(3):133-136

Sep 1967 420 EN822

Aphididae, Aspergillus flavus, Entomogenous fungi, Hibernation, Insect biology, Insect diseases, Insect eggs, Longiunguis donacis, Mortality, Temperature. Abstract in English

BRACHYMER1A FEMORATA **PANZER** (HYMENOPTERA CHALCIDIDAE). (GE

H R Simon

Deut Entomol Ges Mitt 18(5):82-83

15 Oct 1959 420 D482

Chalcididae, Hymenoptera, Inscct behavior, Larvae, Parasitism, Snails, Zoogeography.

ENHANCEMENT OF INFECTIVITY OF A MAMMALIAN VIRUS PREPARATION AFTER INJECTION INTO INSECTS.

R S Spendloue R F Whitcomb D D Jensen

Virology 34(1):182-184

Jan 1968 448.8 V81

Agallia constricta, Colladonus montanus, Injections, Insects, Mammals, Physiology, Virus diseases (animals), Wound-tumor virus.

FATTY ACIDS, ALCOHOLS AND HYDROCAR-BONS IN THE WAXY COVERING OF CEROPLASTES PSEUDOCERIFERUS GREEN, CEROPLASTES JAPONICUS GREEN AND CEROPLASTES RUBENS MASKELL (HOMOP-TERA: COCCIDAE). (JAP)

Y Tamaki S Kawai

Jap J Appl Entomol Zool 12(1):23-28

Mar 1968 475 J27

Alcohols, Biochemistry, Ceroplastes japonicus, Ceroplastes pseudoceriferus, Ceroplastes rubens, Coccidae, Fatty acids, Glands (insects), Hydrocarbons, Insect biochemistry, Wax glands.

14270-69

A NEW CONTRIBUTION TO THE STUDY OF LEAFHOPPER FAUNA AUCHENORRHYNCHA). (CZ) (HOMOPTERA,

N Tanasijevic

Zastita Bilja 12(91-92):205-212, REF

1966 464.8 Z1

Cicadellidae, Corn, Economic plants, Homoptera, Insect ecology, Potatoes, Psammotettix, Sugar beets, Sunflowers, Weeds. English summary

TRENDS IN STUDIES ON INSECT NATURAL ENEMIES AND THE FUTURE PROBLEMS CONCERNED. (JA)

T Torii

Kontyu 35(3):278-289

Sep 1967 421 K833

Chemical control (insects), Insect ecology, Integrated control (insects), Natural control (insects), Pesticides.

DETAILS ON THE CODLING PLUM MOTH (LASPEYRESIA FUNEBRANA TR.) IN LOT-ET-GARONNE ON PLUM-TREE GRAFTS. (FR) J Touzeau

Rev Zool Agr Appl 66(4-6, 2ND TRIMESTER):49-57

1967 410.9 SO12

Laspeyresia, Life cycle, Olethreutidae, Seasonal

A STUDY OF THE APPEARANCE OF THE CLEONUS OF BEETS, TEMNORRHINUS (CLEONUS) MENDICUS GYLL. (1T)

V Tullio D Ponis G Svampa Giornate Fitopatol 333-338

26 Mar 1967 SB599.G5

Beets, Conorhynchus mendicus, Curculionidae, Insect pests, Insect traps.

DIVERSITY OF FORMS OF PHYSIOLOGICAL REST IN INSECTS AS ONE OF THE CAUSES OF THEIR BIOLOGICAL PROGRESS.

R S Ushatinskaya

Ann Zool 5(3)19-30 REF

07 Mar 1966 410 AN78

Diapause, Insect morphology, Insect physiology, Insects.

14275-69

DEVELOPMENT OF THE VIRUS WITH INCLUSION BODIES, OF THE LEPIDOPTERA LYMANTRIA DISPAR IN CELL CULTURES. (FR)

C Vago M Bergoin

Entomophaga 8(4):253-261 REF

1963 421 EN835

Antheraea pernyi, Bombyx mori, Cytoplasm, Inclusion bodies, Insect diseases, Polyhcdroses, Porthetria dispar, Tissuc culture, Viruses. English summary.

RECORDS OF THE ORTHOPTEROID INSECTS IN ONTARIO.

V R Vickery D K Kevan

Entomol Soc Ontario Proc 97:13

1966 420 ON8

Geography, Insect dissemination, Insect names, Orthoptera, Research, Surveys.

THE ULTRASTRUCTURE AND PHYSIOLOGY OF THE ABDOMINAL AIR-GUIDE RETRACTOR MUSCLES IN THE GIANT WATER BUG, LETHOCERUS.

B Walcott B Burrows R 1 B Francki G K Owusu J Insect Physiol 15(10):1855-1872 REF

Oct 1969 421 J825

Electron microscopy, Electrophysiology, Insect physiology, Lethoccrus, Muscles, Pcas, Plant cytology, Plant physiology, Ring spot, Roots, Tobacco, Virus diseases (plants).

THE MECHNISM OF COUPLING OF THE LOCUST LIGHT OSCILLATOR TO OSCILLA-TORY INPUTS. (GE)

I Waldron

Z Vergleichende Physiol 57(4):331-337 REF 1968 444.8 Z3

Acrididac, Insect behavior, Insect dissemination, Insect physiology, Light, Oscillation, Wings (insects). English summary

14279-69

LYSOZYME ACTION IN THE COCKROACH--BLOOD CHANGES. WHILE PROBING INTER-CELLULARLY.

DRA Wharton JE Lola

J Insect Physiol 15(10):1877-1886 REF

Oct 1969 421 J825

Amino acids, Blood, Chemical analysis, Cytology, Electron microscopy, Insect biochemistry, Insect vectors, Muramidase, Myzus persicae, Nitrogen, Periplaneta americana, Plant discase transmission, Stylets, Tobacco, Virus diseases (plants).

PRELIMINARY OBSERVATIONS ON MOULT-ING AND LIMB REGENERATION IN THE MITE CALOGLYPHUS BOHARTI. J P Woodring C J Simpson

J Insect Physiol 15(10):1719-1728

Oct 1969 421 J825

Caloglyphus, Crop yields, Cucumbers, Fungus diseases (plants), Insect physiology, Lcgs, Phomopsis sclerotioides, Plant disease resistance, Plant physiology, Regeneration, Root rot.

RECENT ADVANCES IN THE STUDIES OF IN-SECT COMPOUND EYES. (JA

N Yagi N Koyama Kontyu 35(3):175-185

Sep 1967 421 K833

Cornea, Eyes, Insect physiology, Optic nerve, Retina.

14282-69

SPARROW MITE DERMANYSSUS SERINUS BERL. ET TROUESS, 1885. (RUS)

Med Parazitol Parazitarn Bolezni 37(3,MAY-

JUN):313-319 REF

1968 448.8 M469

Dermanyssus, Insect biology, Insect physiology, Insect taxonomy, Larvae, Mites, Parasitic insects, Sparrows. English summary. Dermanyssus americanus is made a synonym of D. passerinus.

ENTOMOLOGICAL NOTES ON BEPRATA MACULICOLLIS CAM., PERFORATOR OF SEEDS OF SOME ANNONACEAE. (SP)

I Zenner J

Agr Trop 23(8):528-529

Aug 1967 26 AG8

Annonaceae, Eurytomidae, Food habits, Insect biology, Secds.

GENETICS

PUFF FORMING ABILITY AS A FUNCTION OF CHROMOSOMAL POSITION IN DROSOPHILA MELANOGASTER.

E G Ellgaard G E Brosseau H Kees

Genetics 62(2):337-341 REF

Jun 1969 442.8 G28

Chromosomes, Drosophila melanogaster, Genes, Greenhouses, Insect genetics, Methodology, Pesticide application. English abstract

THE SCIENTIFIC NAME FOR THE FRUIT CUP LEAF ROLLER.(LEP. TORTRICIDAE). (A CON-TRIBUTION TO ORGANOXENIA). (GE)

M Hering

Deut Entomol Ges Mitt 21(5-6):72-73

15 Nov 1962 420 D482

Adoxophycs, Fruit, Genetics, Lepidoptera, Nomenclature, Tortricidae.

THE GENETICS OF DROSOPHILA MATING BEHAVIOR. II. THE GENETIC ARCHITECTURE OF MATING SPEED IN DROSOPHILA PSEUDOOBSCURA.

S Kessler

Genetics 62(2):421-433 REF

Jun 1969 442.8 G28

Drosophila pseudoobscura, Insect behavior, Insect genetics, Insect rearing, Plant protection, Sex behavior, Spray technique.

14287-69

GENETICAL STUDIES ON THE RESISTANCE TO PARATHION IN DROSOPHILA MELANOGASTER. 111. INDUCTION OF A SUSCEPTIBLE GENE FROM ITS RESISTANCE ALLELE.

H Kikkawa

Botyu-kagaku 32(4):101-105

Nov 1967 421 B65

Alleles, Drosophila melanogaster, Genes, Insect genetics, Organophosphorus compounds, Parathion.

14288-69

ANALYSIS OF A RECESSIVE MUTATION ON THE Y CHROMOSOME OF THE FLY CALLIPHORA ERYTHROCEPIIALA. (GE)

H Langer R Schnell D Ribbert F H Ullerich Z Vererbungslehre 105(1):84-86

1969 442.8 Z34

Calliphora vicina, Chromosomes, Coconuts, Crop rotation, Cultural control (plant discases), Hydrogen-ion concentration, Insect genetics, Insect mutation, Sex, Soil chemistry, Soil moisture.

14289-69

A SYSTEM FOR SCREENING OF RARE EVENTS IN GENES OF DROSOPHILA MELANOGASTER.

E Lifschytz R Falk

Genetics 62(2):343-352 REF

Jun 1969 442.8 G28

Cucumbers, Drosophila melanogaster, Genes, Insect genetics, Powdery mildew, Surveys, Systemic fungicides. English abstract

14290-69

GENETICAL RELATIONSHIP AND ISOLAT-ING MECHANISMS IN ANANASSAE SPECIES SUBGROUP (SOPHOPHORA, DROSOPHILA). III. CHROMOSOME BEHAVIOUR DURING MEIOSIS IN D. BIPECTINATA, D. MALERKOT-LIANA AND THEIR HYBRID.

R D Narda

Cytologia 34(1):126-132 REF

Mar 1969 44.8 C99

Chromosomes, Drosophila bipectinata, Drosophila malcrkotliana, Hybrids, Insect genetics, Insect taxonomy, Meiosis, Ncuroptera, Odonata, Surveys.

14291-69

EFFICIENCY OF SELECTION FOR IN-CREASED OR DECREASED RECOMBINA-TION.

M Nei Y Imaizumi

Amer Natur 102(923,JAN-FEB):90-93

27 Feb 1968 470 AM36

Demography, Drosophila, Inscet genetics, Mathematical analysis.

14292-69

A THYMIDINE-INDUCED SEX-LINKED, SEX-LIMITED TEMPERATURE-SENSITIVE LETHAL AND THE SIGNIFICANCE OF MODI-FIER GENES IN DROSOPHILA MELANOGASTER.

O Parkash

Experientia 25(9):998 15 Scp 1969 475 EX7

Chromosomes, Drosophila melanogaster, Genes, Insect genetics, Lethal factor, Sex, Temperature, Thymidine.

11203.60

THE POSITION OF THE CP, IN AND RI GENES AND THE 3RD CHROMOSOME CENTROMERE IN DROSOPHILA MELANOGASTER. EVIDENCE FROM A NEW TRANSLOCATION.

J Puro P Arajarvi

Hereditas 62(3):414-418 REF

1969 442.8 H42

Chromosomes, Drosophila melanogaster, Genes, Insect genetics.

14294-69

DEVELOPMENTAL GENETIC STUDIES OF AMINOPEPTIDASES IN DROSOPHILA MELANOGASTER.

R K Sakai D A Tung J G Seandalios

Z Vererbungslehre 105(1):24-29

1969 442.8 Z34

Aminopeptidase, Antibiotics, Cattle, Dipping, Drosophila melanogaster, Electrophoresis, Enzymes, Hypochlorites, Insect biochemistry, Insect genetics, Livestock diseases, Mastitis.

14295-69

THE SHEEP BLOWFLY'S TOLERANCE OF INSECTICIDES (LUCILIA CUPRINA).

G J Shanahan

Agr Gaz New S Wales 78(PT 8):444-445

Aug 1967 23 N472

Calliphoridae, Carbamates, Insect genetics, Insecticide resistant insects, Organophosphorus compounds.

14296-69

GENETIC VARIATION IN NATURAL ISLAND POPULATIONS OF MEMBERS OF THE DROSOPHILA NASUTA AND DROSOPHILA ANANASSAE SUBGROUPS.

W S Stone M R Wheeler F M Johnson K I Kojima

Nat Acad Sci Proc 59(1):102-109 REF

Jan 1968 500 N21P Chromosomes, Drosophila, Enzymes, Insect

MEDICAL ENTOMOLOGY

14297-69

DAMAGE CAUSED BY LANKESTERIA CU-LICIS (ROSS) TO AEDES AEGYPTI (L.).

W L Barrett

Mosquito News 28(3):441-444

Sep 1968 421 M85

genetics, Population.

Aedes aegypti, Biological control (insects), Insect diseases, Insect physiology, Lankesteria culicis, Malpighian tubes, Protozoa.

14298-69

GLOBAL ERADICATION OF MALARIA: CHANGES OF STRATEGY AND FUTURE OUTLOOK.

A Gabaldon

Amer J Trop Med Hyg 18(5):641-656 REF Sep 1969 448.8 AM326

Animal disease transmission, Chemical control (insects), Chlorinated hydrocarbons, DDT, Malaria, Plasmodium, Public health entomology.

14299-69

STUDIES ON THE POSSIBILITIES OF USING BLOWFLIES (DIPT.) AS MEDICOLEGAL INDICATORS IN FINLAND. I. REPORT OF FOUR INDOOR CASES FROM THE CITY OF HELSINKI.

P Nuorteva M Isokoski K Laiho Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 33(4):217-225 REF

20 Dec 1967 421 SU7

Calliphoridae, Forensie medicine, Insect pests, Jurisprudence, Medicine.

CROP PROTECTION

4300-69

THE REGULATORY EFFECT OF GIBBEREL-LIC ACID AND CYTOKININS ON FRUIT MATURATION AND RIPENING. (ABSTRACT).

H A Abdel-Gawad R J Romani

Hortscience 3(2,SUMMER):121

1968 SB1.H6

Fruit, Gibberellic acid, Harvesting, Mitosis, Morphology, Research, Spraying.

14301-69

THE EUROPEAN CORN BORER; HOW TO CONTROL IT.

U S D A Farmers Bull (2190):14P MAP Jun 1967 1 AG84F

Corn, Diatraea erambidoides, Dusting, Heliothis zea, Insect behavior, Insect physiology, Insecticides, Integrated control (insects), Larvae, Lcaves, Ostrinia nubilalis, Parasites, Plant injuries, Plant pest control, Plant pest resistance, Pscudaletia unipuncta, Pyrausta ainsliei, Spraying, Tillage.

14302-69

THE EFFECT OF ALAR (N-DIMETHYLAMINO SUCCINAMIC ACID) ON YIELD AND QUALITY ATTRIBUTES OF CONCORD GRAPES.

G A Cahdon C W Donoho Hortscience 3(2,SUMMER):125-126 1968 SB1.H6 Crop yields, Grapes, Research, Spraying, Succinic acid, 2,2-dimethylhydrazide.

14303-69

THE INFLUENCE OF N-DIMETHYLAMINO SUCCINAMIC ACID (ALAR) ON GROWTH OF THE SWEET CHERRY, PRUNUS AVIUM. (ABSTRACT).

M H Chaplin A L Kenworthy

Hortscience 3(2,SUMMER):125

1968 SB1.H6

Color, Hydrogen-ion concentration, Mazzard cherries, Physiology, Research, Spraying, Succinic acid, 2,2-dimethylhydrazide.

14304-69

THE TEA RESEARCH INSTITUTE OF CEYLON. ANNUAL REPORT FOR THE YEAR 1966. PART II.

E M Chenery R L De Silva

Ceylon, Tea Research Institute (PT 11):169P 1966 68.19 C33A

Agricultural research, Insect pests, Plant biochemistry, Plant diseases, Plant nematodes, Plant physiology, Plant propagation, Reports, Statistical analysis, Tea.

4305-69

EFFECTS OF N-DIMETHYLAMINO SUC-CINAMIC ACID (ALAR), (2-CHLOROETHYL TRIMETHYLAMMONIUM CHLORIDE (CCC), GIBBERELLIC ACID (GA), AND MALEIC HYDRAZIDE (MH) ON BOLTING IN LETTUCE. (ABSTRACT).

G W Diekerson

Hortscience 3(2,SUMMER):97-98

1968 SB1.H6

Chloroethyl)trimethylammonium chloride, (2-, Chlorosis, Gibberellic acid, Harvesting, Lettuce, Maleie hydrazide, Research, Spraying, Suecinic acid, 2,2-dimethylhydrazide.

4306-69

PATHOGENIC VARIABILITY AND THE UNIT REPRESENTING A SINGLE FERTILIZATION IN PUCCINIA CORONATA VAR. AVENAE.

A Dinoor J Khair G Fleisehmann Can J Bot 46(4):501-508 REF

Apr 1968 470 C16C

Breeding, Fertilization (plants), Plant genetics, Puccinia coronata, Reproduction, Research.

14307-69

COST OF EFFECTIVE PLANT PROTECTION IN THE FIELD, THE GARDEN, AND THE VINEYARD. (GER)

H Drees

Gesunde Pflanzen 19(7):144-146

Jul 1967 464.8 G33

Agricultural production economics, Gardens, Grape vineyards, Land, Pesticides, Plant protection.

14308-6

FRUITING RESPONSE OF THE HIGHBUSH BLUEBERRY TO APPLIED GIBBERELLIC ACID UNDER FIELD CONDITIONS. (ABSTRACT).

P Eek C Mainland

Hortscience 3(2,SUMMER):112

1968 SB1.H6

Blueberries, Crop yields, Gihherellic acid, Morphology, Plant discase control, Pollination, Research.

14309-69

REGULATION OF GROWTH, FLOWERING AND FRUIT ABSCISSION OF APPLES AND PEACHES WITH AMCHEM 66-329. (AB-STRACT).

L J Edgerton W J Greenhalg Hortscience 3(2,SUMMER):91

1968 SB1.H6

Abscission, Apples, Harvesting, Morphology, Peaches, Plant hormones, Plant physiology, Reproduction, Research.

RUTSTROEMIA CUNICULI, A COPROPHILOUS SPECIES OF THE SCLEROTINIACEAE.

M E Elliott

Can J Bot 45(4):521-524

Apr 1967 470 C16C

Ascomycetes, Fungi, Taxonomy.

14311-69

EFFECTS OF N-DIMETHYLAMINO SUCCINAMIC ACID ON THE SIZE OF POTATOES. (ABSTRACT).

R Funt

Hortscience 3(2,SUMMER):98

1968 SB1.H6

Morphology, Physiology, Potatoes, Research, Succinic acid, 2,2-dimethylhydrazide.

14312-69

STIMULATION OF FLOWER BUD ABSCISSION AND CONCENTRATION OF FRUIT SET IN TOMATO, (ABSTRACT).

S A Garrison G A Taylor

Hortscience 3(2,SUMMER):92

1968 SB1.H6

Abscission, Greenhouses, Leaves, Research, Spraying, Stimulants, Tomatoes.

14313-69

STIMULATION OF TOMATO RIPENING BY AMCHEM 66-329. (ABSTRACT.

S A Garrison

Hortscience 3(2,SUMMER):121

1968 SB1.H6

Injections, Plant regulators, Pollination, Research, Stimulants, Tomatoes, Water.

14314-69

VEGETATIVE AND REPRODUCTIVE RESPONSES OF HIGHBUSH BLUEBERRY TO SUCCINIC ACID 2,2-DIMETHYLHYDRAZIDE (ALAR).

J C Hapitan V G Shutak

Hortscience 3(2,SUMMER):125

1968 SB1.H6

Blueberries, Reproduction, Research, Spraying, Succinic acid, 2,2-dimethylhydrazide, Vegetation.

14315-69

PROBLEMS OF INTEGRATED PEST CONTROL IN PRACTICAL PLANT PROTECTION. (GE)

W Herfs

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(7):412-423 REF Jul 1968 464.8 Z3

Animal physiology, Integrated control (pests), Methodology, Plant protection, Public health, Research. French and English summaries

14316-69

THE EFFECT OF GIBBERELLIC ACID ON THE HIGHBUSH BLUEBERRY (V ACCINIUM CORYMBOSUM). (ABSTRACT).

R F Hooks A L Kenworthy

Hortscience 3(2,SUMMER):112-113

1968 SB1.H6

Blueberries, Gibberellic acid, Hydrogen-ion concentration, Research.

14317-69

EFFECT OF SILVICULTURAL PRACTICES UPON ARTHROPOD, ANNELID, AND NEMATODE POPULATIONS IN CONIFEROUS FOREST SOIL.

V Huhta E Karppinen M Nurminen A Valpas 4(2):87-146 REF

1967

Animal adaptation, Annelida, Arthropoda, Chemical control (insects), Climate, Coniferae, Dusting, Environment, Fertilizers, Forest cutting cycles, Forests, Insecticides, Nematodes, Population, Reforestation, Silviculture, Soil analysis, Tables (data), Thinning (trees).

14318-69

ROOTING OF NARROWLEAF EVERGREEN CUTTINGS AS INFLUENCED BY VARIOUS HORMONE TREATMENTS. (ABSTRACT).

R M Irving W O Johnson

Hortscience 3(2,SUMMER):121

1968 SB1.H6

Chemicals, Juniperus, Juniperus chinensis, Plant cuttings, Plant hormones, Roots, Thuja.

14319-69

MUTATION INDUCTION BY EMS IN AUTOTETRAPLOID BARLEY.

R Krishnaswami

Indian Acad Sci Proc Sect B 67(3):125-128 REF Mar 1968 513 IN25B

Barley, Ethyl methanesulfonate, Mutagens, Mutation, Polyploidy, Radiation.

14320-69

EFFECTS OF CIPC APPLICATIONS TO INDIVIDUAL EYES OF POTATO TUBERS ON TYPE AND PATTERN OF SPROUT DEVELOPMENT.

M S Lee E E Ewing

Hortscience 3(2,SUMMER):102

1968 SB1.H6

Chlorpropham, Morphology, Physiology, Plant diseases, Potatoes, Research, Seeds.

14321-69

THE PESTICIDE REVIEW, 1968.

J N Mahan D L Fowler H H Shepard

Dec 1968 1.956 M343P43

Agricultural production economics, Agricultural research, Attractants, Fumigants, Fungicides, Herbicides, Insect repellents, Insecticides, Pesticides, Plant regulators, Reviews, Rodenticides.

4322.69

EFFECTS OF SUCCINIC ACID 2, 2-DIMETHYL HYDRAZIDE (ALAR) ON APPLES. (ABSTRACT).

G E Mattus

Hortscience 3(2,SUMMER):122

1968 SB1.H6

Apples, Color, Harvesting, Research, Spraying, Storage, Succinic acid, 2,2-dimethylhydrazide.

14323-69

USE OF HIGH SPEED CENTRIFUGATION TO OBTAIN EXTRACTS FROM CUTTINGS TREATED BY TERMINAL APPLICATIONS OF INDOLEACETIC ACID-3 (IAA-2-14C). (ABSTRACT).

J J Mc Guire L S Albert V G Shutak Hortscience 3(2,SUMMER):120

1968 SB1.H6

Centrifugation, Extracts, Ilex crenata, Isotopes, Plant cuttings, Quantitative analysis, Research.

14324-69

THE EFFECT OF SUCCINIC ACID 2,2-DIMETHYL HYDRAZIDE ON STEM AND LEAF TISSUES OF CHRYSANTHEMUM MORIFOLI-UM BRIGHT GOLDEN ANNE. (ABSTRACT).

A W Mitlehner

Hortscience 3(2,SUMMER):118

1968 SB1.H6

Chrysanthemum morifolium, Histology, Plant anatomy, Research, Succinic acid, 2,2-dimethyl-hydrazide, Tissues.

14325-69

EFFECTS OF GAMMA IRRADIATION ON PRICKLY PEAR CACTUS.

C D Monk

Florida Acad Sci Quart J 30(3):168-172

Sep 1967 500 F66

Gamma rays, Mortality, Opuntia, Plant injuries, Research, Tables (data), Time, Vegetation.

4326-69

INHERITANCE OF SPLIT COTYLEDONS IN SWEDE TURNIPS (BRASSICA NAPUS).

T P Palmer

New Zeal J Bot 6(2):129-136

Jun 1968 450 N48

Breeding, Genes, Heredity, Plant genetics, Plant morphology, Rape, Temperature, Turnips.

14327-69

STIMULATION AND RETARDATION OF ADVENTITIOUS ROOT FORMATION BY APPLICATION OF B-NINE AND CYCOCEL.

P E Read V C Hoyscer

Hortscience 3(2,SUMMER):121

1968 SB1.H6

Chloroethyl)trimethylammonium chloride, (2-, Geranium, Plant cuttings, Research, Roots, Stimulants.

14328-69

IN VIVO AND IN VITRO REACTIONS OF 1,1-DIMETHYLAMINO SUCCINAMIC ACID (B-9, ALAR) AND RELATED SUBSTANCES.

R M Sachs K Ryugo

Hortscience 3(2,SUMMER):124-125

1968 SB1.H6

Beans, Biology, Culture media, Leaves, Peas, Research, Succinic acid, 2,2-dimethylhydrazide.

4329-69

ECONOMIC EFFECT AND CONTROL OF WOOD-BORING INSECTS IN FRUIT TREES.
L. J. Saliba

Int Pest Contr 10(6,NOV-DEC):18,21-23 REF 1968 79.8 P432

Apples, Bark, Chemical control (pests), Control equipment, Economics, Fruit culture, Larvae, Pears, Pesticide residucs, Spraying, Wood borers.

4330-69

MOISTURE CORROSION, A NEW CORROSIVE METHOD. (GE)

E Schrader

Gesunde Pflanzen 19(8):165-167

Aug 1967 464.8 G33

Barley, Chemical reactions, Corrosion, Oats, Rye, Seeds, Soil moisture, Wheat.

4331-69

IMPORTANCE OF INDUSTRY AND LABOR TO PLANT CARE IN FARM MANAGEMENT. (GER)

W Stohr

Gesunde Pflanzen 19(7):133-140

Jul 1967 464.8 G33

Agricultural economics, Agricultural industries, Agricultural labor, Chemical control (plant diseases), Chemical control (weeds), Climate, Corn, Farm management, Fungus diseases (plants), Grain, Plant protection, Potatoes, Rape, Turnips, Weeds.

14332-69

1432-69
VEGETATIVE AND FRUITING RESPONSES OF PECAN (CARYA ILLINOENSIS KOCH) TO HEADING BACK AND N-DIMETHYLAMINO SUCCINAMIC ACID. (ABSTRACT).

J B Storcy G Madden G Garza Hortscience 3(2,SUMMER):126

1968 SB1.H6

Carya illinoensis, Crop yields, Harvesting, Physiology, Research, Succinic acid, 2,2-dimethylhydrazide, Vegetation.

14333-69

DEGRADATION OF PURE AFLATOXIN BY TETRAHYMENA PYRIFORMIS.

D J Teunisson J A Robertson

Appl Microbiol 15(5):1099-1103

Sep 1967 448.3 APS Aflatoxin, Assay, Cells, Fungi, Microbiology, Physiology, Tetrahymena, Time, Ultraviolet rays.

14334-69

BRUSSELS SPROUTS GROWTH AND PRODUCTION AS INFLUENCED BY N-DIMETHYLAMINO SUCCINAMIC ACID (ALAR). (ABSTRACT).

D R Tompkins R A Norton Hortscience 3(2,SUMMER):100

1968 SB1.H6

Brussels sprouts, Harvesting, Plant regulators, Research, Spraying, Succinic acid, 2,2-dimethylhydrazide.

14335-69

THE EFFECTS OF ALAR ON RED TART CHERRIES (PRUNUS CEREASUS).

C R Unrath A L Kenworthy

Hortscience 3(2,SUMMER):125

1968 SB1.H6

Harvesting, Morphology, Physiology, Research, Sour eherries, Sueeinie aeid, 2,2-dimethylhydra-

14336-69

THE LOW MAXIMUM TEMPERATURE FOR **PSYCHROPHILE** GROWTH OF THE SCLEROTINIA BOREALIS; EVIDENCE FOR THE UNCOUPLING OF GROWTH FROM RESPIRATION.

EWB Ward

Can J Bot 46(4):385-390

Apr 1968 470 C16C

Cells, Plant physiology, Research, Respiration, Temperature.

14337-69

REPELLING PHEASANTS FROM SPROUTING CORN WITH A CARBAMATE INSECTICIDE.

R R West R B Brunton D J Cunningham

J Wildlife Manage 33(1):216-219

Jan 1969 410 J827

Bird control, Carbamates, Chemical control (pests), Corn, Costs, Insect repellents, Insecticides, Methylthio)-3,5-xylyl methylearbamate, 4-(Pheasants, Production economies, Seed treatment. 4-(,

14338-69

EFFECT OF N-DIMENTHYLAMINO SUC-CINAMIC ACID (ALAR) ON VEGETABLE GROWTH OF CHILE PEPPER (CAPSICUM FRUTESCENS) PLANTS. (ABSTRACT).

G G Wilbert R M Nakayama Hortscience 3(2,SUMMER):101

1968 SBL H6

Bush redpeppers (vegetable), Plant anatomy, Plant growth inhibitors, Research, Succinic acid, 2,2dimethylhydrazide.

DISEASES

14339-69

THE INTERRELATIONSHIP OF RESISTANCE AND SUSCEPTIBILITY OF COTTON TO VER-TICILLIUM ALBO-ATRUM AND FUSARIUM OXYSPORUM F. SP. VASINFECTUM AS IN-FLUENCED BY SOIL TEMPERATURE. (AB-STRACT).

A Abdel-Raheem L S Bird

Phytopathology 58(6):725

Jun 1968 464.8 P56

Cotton, Fungus diseases (plants), Fusarium oxysporum vasinfeetum, Plant disease resistance, Soil temperature, Verticillium albo-atrum, Wilt.

BACTERIAL RUST ON SOUR CHERRIES AND PEARS. (GE)

Brunswick Biol Bundesanst Land-forstwirtsch Merkbl 1(28).5P.

Feb 1968 464.9 B833M

Baeterial diseases (plants), Diagnosis, Fruit, Illustrations, Plant injuries, Pseudomonas, Rainfall.

14341-69

NARROW LEAVES REDUCE BOLL ROT.

Anonymous

Cotton 4(6):24

Jun 1968 72.8 C8225

Boll rot, Cotton, Leaves, Plant breeding, Plant disease resistance, Plant diseases.

14342-69

THE ETIOLOGY, INCLUDING NUTRITIONAL CONSIDERATIONS, OF PASSION FRUIT BROWN SPOT IN HAWAII.

M Aragaki S Nakata C Long Plant Dis Rep 53(10):789-792

Oct 1969 1.9 P69P

Brown spot, Chemieal control (plant diseases), Fertilizers, Fungieides, Fungus diseases (plants), Granadilla, Maneb, Plant diseases, Plant nutrition, Triazines.

SOIL CONDITION AND THE VIOLET AND WHITE ROOT ROT DISEASES OF FRUIT TREES. (JA)

T Arami

Tokyo Nat Inst Agr Sci Bull Ser C (plant Pathol Entomol) (SER.C)(21):1-109 REF

Mar 1967 464.9 C433

Chemical control (plant diseases), Fungus diseases (plants), Helieobasidium mompa, Hydrogen-ion eoneentration, Morus, Pears, Plant eeology, Plant physiology, Population, Rosellinia neeatrix, Soils, Surveys, Temperature, Violet root rot, White root rot. English summary

14344-69

INTERACTIVE EFFECTS OF GIBBERELLIC ACID AND ALAR ON BUSH BEAN GROWTH. (ABSTRACT).

A R Attarian

Hortscience 3(2,SUMMER):98

1968 SB1 H6

Chemieals, Gibberellie aeid, Greenhouse eulture, Leaves, Plant physiology, Research, Spraying, Sue-einie aeid, 2,2-dimethylhydrazide.

NATURE AND INHERITANCE OF RE-SISTANCE TO RED CLOVER VEIN MOSAIC VIRUS IN PISUM SATIVUM. (ABSTRACT).

J R Baggett J D Tsai

Hortscience 3(2,SUMMER):107

1968 SB1 H6

Breeding, Environment, Greenhouses, Mosaie, Physiology, Pisum sativum, Virus diseases (plants).

VERTICILLIUM SPP. AND ASSOCIATED FUNGI FROM CERTIFIED POTATO SEED TU-

C H Beekman G J Stessel F L Howard Plant Dis Rep 53(10):771-773

Oct 1969 1.9 P69P

Fungus diseases (plants), Potatoes, Surveys, Vertieillium.

14347-69

TEN YEARS OF INVESTIGATIONS WITH POTATO VIRUS IN HANNOVER. (GE G Borehardt

Gesunde Pflanzen 19(8):157-160

Aug 1967 464.8 G33

Gibberellins, Mosaie, Potatoes, Virus diseases (plants), Virus X, Virus Y.

ON THE TOLERANCE OF WHEAT AGAINST SEPTORIA NODORUM BERK. (GE

Broennimann

Phytopathol Z 62(4):365-370

Aug 1968 464.8 P562

Plant disease resistance, Plant diseases, Plant physiology, Research, Septoria nodorum, Wheat. English summary.

LIVING HAUSTORIA AND HYPHAE OF ERYSIPHE GRAMINIS F.SP. HORDEI WITH INTACT AND PARTLY DISSECTED HOST CELLS OF HORDEUM VULGARE.

W R Bushnell J Ducek J B Rowell Can J Bot 45(9):1719-1732 REF

Sep 1967 470 C16C

Barley, Cells, Erysiphe graminis, Fungus diseases (plants), Hyphae, Parasitism.

10

14350-69

THE CAUSES OF SAPSTAIN IN RED BEECH.

J A Butcher

New Zeal J Bot 6(3):376-385 REF

Sep 1968 450 N48

Ceratoeystis, Chemical control (plant diseases), Drying, Fagus, Fungus diseases (plants), Lumber preservatives, Sap stain (wood), Sphaeropsidales.

Control of sapstain in red beech lumber in Australia with ehemical dips and forced air drying is discussed. Species of Ceratocystis, Phialophora and Sphaeropsidales (fungi) were identified as the etiological agents.

CULTURAL FACTORS IN RELATION TO COL-LAR ROT CONTROL OF GROUNDNUT.

J S Chohan S P Kapoor

Punjab Agr Univ J Res 4(4):536-542 REF

Dec 1967 S19.P8

Aspergillus niger, Chemieal eontrol (plant diseases), Collar rot (peanuts), Fungieides, Fungus diseases (plants), Peanuts, Research.

INTERNAL BROWN SPOT--A CONDITION IN YAMS IN BARBADOS.

D G Coursey

Agr Soc Trinidad Tobago J 67(4):473-482

Dec 1967 8 T73

Brown spot, Plant disease control, Plant disease transmission, Virus diseases (plants), Yams.

14353-69

THE IMPORTANCE OF PRECEEDING CROP-DEPENDENT SHIFTS IN THE MICRO FLORA OF THE SOIL. I. THE INFLUENCE OF SOIL FUNGI ON THE ROOT DEVELOPMENT OF WHEAT, PEAS, AND RAPE. (GE)

K H Domseh W Gams

Phytopathol Z 63(1):64-74 REF

Sep 1968 464.8 P562

Chlorella, Crop rotation, Fungus diseases (plants), Peas, Plant physiology, Rape, Research, Roots, Soil fungi, Soil microorganisms, Wheat. English summary.

14354-69

THE PROBLEM OF SOWBANE MOSAIC VIRUS CONTAMINATION

D J Engelbreeht M H V Regenmortel

Phytopathol Z 63(1):10-14 Sep 1968 464.8 P562

Chenopodium quinoa, Diagnosis, Latent virus (apples), Mosaie, Plant disease transmission, Serologieal tests, Virus diseases (plants). German summarv.

14355-69

STUDIES ON VIRUS DISEASES OF STRAW-BERRRIES IN THE WESTERN CAPE PROVINCE. I. DEGENERATION OF LOCALLY BRED STRAWBERRY CULTIVARS.

D J Engelbreeht

S Afr J Agr Sci 10(2):345-352

Jun 1967 24 SU3

Chaetosiphon fragaefolii, Crinkle (strawberries), Inseet vectors, Strawberries, Virus diseases (plants), Yellow edge (strawberries).

14356-69

CHENOPODIUM AS HOST TO VIRUSES TRANSMITTED FROM APPLE, PEAR AND GRAPEVINE.

P J Engelbreeht L D Wolfswinkel S Afr J Agr Sci 10(2):419-428 REF

Jun 1967 24 SU3

Apples, Chenopodium, Grapes, Pears, Sap, Veetors, Virus diseases (plants).

VERTICILLIUM WILT OF COTTON-THE SITUATION IN THE NAMOI VALLEY.

Agr Gaz New S Wales 78(PT 10):580-584 Oet 1967 23 N472

Air-borne plant diseases, Cotton, Crop losses, Cultural control (plant discases), Plant discase re-sistance, Soilpborne plant diseases, Verticillium, Wilt (cotton).

Crop rotation and the development of resistant strains of cotton are discussed as controls of verticillium wilt of cotton in Australia.

EFFECTS OF CERCOSPORA LEAF SPOT AND DATES OF HARVEST ON SUGAR BEET VARIETIES WITH OR WITHOUT MANEB TREATMENT.

R E Finker D E Farus

Amer Soc Sugar Beet Technol J 14(8):643-663 Jan 1968 66.9 AM35J

Cercospora, Chemical control (plant diseases), Crop varieties, Crop yields, Fungicides, Fungus diseases (plants), Harvesting date, Leaf spot, Maneb, Plant biochemistry, Sugar beets, Thiocarbamates.

VIRULENCE OF UREDIAL AND AECIAL ISO-LATES OF PUCCINIA CORONATA CORDA F.SP. AVENAE IDENTIFIED IN CANADA FROM 1952 TO 1966.

G Fleischmann

Can J Bot 45(9):1693-1701

Sep 1967 470 C16C

Crown rust (oats), Oats, Plant disease resistance, Puccinia coronata, Time, Virulence.

A TRANSMISSIBLE DISORDER OF GLADIO-LUS FLOWERS.

J L Forsberg W Hartstirn

Plant Dis Rep 53(10):818-819

Oct 1969 1.9 P69P

Gladiolus, Plant discase transmission, Plant galls, Virus diseases (plants).

POLYPHENOLS AND DISCOLORATION IN THE ELM DISEASE INVESTIGATED BY HISTOCHEMICAL TECHNIQUES.

C Gagnon

Can J Bot 45(11):2119-2124 REF

Nov 1967 470 C16C

Histochemistry, Phenols, Plant diseases, Research, Ulmus americana.

EFFECTS OF N-DIMETHYLAMINO SUC-CINAMIC ACID (ALAR) ON YIELD, SIZE, MATURATION, AND QUALITY OF PEACHES WITH REFERENCE TO ITS USE IN ADAPTING FRUIT FOR MECHANICAL HARVESTING. (ABSTRACT).

C E Gambrell E T Sims W H Rhodes

Hortscience 3(2,SUMMER):125

1968 SB1.H6

Color, Crop yields, Equipment, Harvesting, Peaches, Research, Spraying, Succinic acid, 2,2dimethylhydrazide.

INVESTIGATIONS CONCERNING A ROOT ROT ON PHALAENOPSIS HYBRIDS AND ITS CAUSATIVE AGENT (FUSARIUM OX-YSPORUM). (GE)

W Gerlach G Borchardt

Phytopathol Z 63(1):30-39 REF

Sep 1968 464.8 P562

Fungus diseases (plants), Fusarium oxysporum, Morphology, Phalaenopsis, Plant disease control, Research English summary.

LUCERNE BUD MITE RECORDED FROM NEW SOUTH WALES.

F A Gibson

Agr Gaz New S Wales 78(PT 10):576-577

Oct 1967 23 N472

Aceria, Alfalfa, Insect vectors, Virus diseases (plants).

The association of the lucerne bud mite, Medicago sativa and the virus disease, witches' broom in Australia is discussed.

IDENTIFICATION OF THE VIRUS CAUSING PAPAW YELLOW CRINKLE WITH TOMATO BIG BUD VIRUS BY TRANSMISSION TESTS.

Queensland J Agr Anim Sci 23(2):147-153 REF Jun 1966 23 Q37

Caricaceae, Clover, Cuscuta, Phyllody, Tomatocs, Virus diseases (plants).

FUNGAL FOES THAT MENACE GINGER CROP.

G K Gupta B R Verma

Indian Farming 16(1):15

Apr 1966 22 IN283

Fungicides, Fungus diseases (plants), Fusarium, Phyllosticta, Pythium, Zingiber officinale.

THE EFFECT OF INOCULUM CONCENTRATION ON VIRUS MULTIPLICATION IN CUCUMBER COTYLEDONS. II. CUCUMBER MOSAIC AND TOBACCO MOSAIC VIRUSES. P Havranek

Acta Virol 11(6):538-543

Nov 1967 448.3 AC85

Cucumbers, Immunization, Inoculum, Mosaic, Tobacco, Tobacco mosaic virus, Virology, Virus diseases (plants).

AN APPARENTLY TWO-FACTOR DOSE-RESPONSE DEPENDENCE IN LUCERNE MOSAIC VIRUS ASSAY.

P Hayranek J Zayada

Acta Virol 11(6):544-550 REF

Nov 1967 448.3 AC85

Alfalfa, Biological assay, Culture media, Mosaic, Necrosis, Plant galls, Tobacco, Virus discases (plants).

14369-69

REMOVAL OF PSEUDOMONADS FROM PLANT LEAVES AND MEASUREMENT OF THEIR IN VIVO BETA-GLUCOSIDASE SYNTHESIS.

D C Hildebrand M N Schroth

Phytopathology 58(3):354-358

Mar 1968 464.8 P56

Bacterial diseases (plants), Centrifuges, Cowpeas, Glucosidases, Hydrogen-ion concentration, Leaves, Parasitism, Plant biochemistry, Pseudomonas putida, Pseudomonas savastanoi, Pseudomonas syringae, Scrratia marcescens, Tobacco.

EVIDENCE FOR THE RELEASE OF 28 S RNA FROM TURNIP YELLOW MOSAIC VIRUS HEATED IN VITRO.

J H Hitchborn

J Gen Virol (3,PT 1):137-140 REF

Jul 1968 QR360.A1J6

Culture media, Heat, Methodology, Mosaic (turnips), Research, Ribonucleic acid, Temperature, Virus diseases (plants).

ALTERNARIA LEAF SPOT OF LOLIONDO (OLEA WELWITSCHII (KNOBL.) GILG. AND SCHELLENB.).

D Hocking

Arusha Trop Pesticides Res Inst Misc Rep 558, 6 P May 1966 423.92 G7922

Alternaria porri, Alternaria tenuis, Black mildew, Cladosporium, Dothidea, Fungus diseases (plants), Glomerella, Leaf spot, Meliola petiolaris, Olca weltwitschii.

14372-69

LEVELS OF SHIKIMATE AND FOLATE IN PRIMARY LEAVES OF WHEAT AND IN UREDOSPORES OF LEAF RUST.

D W Hollomon A Fuchs R Rohringer Can J Bot 45(9):1771-1773 REF

Sep 1967 470 C16C

Folic acid, Fungus diseases (plants), Leaf rust (wheat), Plant biochemistry, Shikimic acid, Wheat.

14373-69

STUDIES ON THE PATHOLOGICAL ANATO-MY OF RICE PLANTS INFECTED BY HEL-MINTHOSPORIUM ORYZAE, I. BEHAVIOR OF THE CAUSAL FUNGUS ON THE COLEOPTILE OF RICE SEEDLINGS AND ITS ULTRAFINE STRUCTURE. (JA)

O Horino S Akai

Phytopathol Soc Jap Ann 34(1):51-55 REF Jan 1968 464.9 P562

Cell wall, Coleoptile, Fungus diseases (plants), Helminthosporium oryzae, Immunity, Microscopy, Mycology, Plant anatomy, Plant cytology, Plant hardiness, Rice, Seed germination, Seedlings. English summary

CRYOPRESERVATION AND PATHOGENICITY OF SELECTED ISOLATES OF COLLETOTRICHUM, RHIZOCTONIA, AND PHYTOPHTHORA.

S W Hwang A L Anderson G C Papavizas R H Converse

Phytopathology 58(3):362-364 REF

Mar 1968 464.8 P56

Beans, Colletotrichum lindemuthianum, Freeze drying, Fungus diseases (plants), Nitrogen, Phytophthora fragariae, Plant morphology, Radishes, Rhizoctonia, Rhizoctonia solani, Soybeans, Sugar beets, Wheat.

14375-69

PLANT CARE ON THE NORTH SEA COAST. (GE)

W Ihlemann

Gesunde Pflanzen 19(8):169-171

Aug 1967 464.8 G33

Climate, Fungus discases (plants), Herbicides, Humidity, Plants, Soil moisture, Tillage.

INFLUENCE OF HYDROSTATIC PRESSURE UPON GERMINABILITY OF THE SPORES OF SOME RICE-PARASITIC FUNGI EFFECTS OF PHYSICAL FACTORS UPON PLANT DIS-EASES. III. (JA)

H Ikegami I Takagi

Phytopathol Soc Jap Ann 33(3):144-149

Jun 1967 464.9 P562

Cochliobolus miyabeanus, Conidia, Fungus diseases (plants), Hydrostatics, Piricularia oryzae, Plant physiology, Rice, Seed germination, Ustilagi-noidea virens. Abstract in English

SOIL-BORNE WHEAT MOSAIC VIRUS FROM POA ANNUA L., A NEW HOST. (JA)

T Inaba Y Saito

Phytopathol Soc Jap Ann 34(1):40-45

Jan 1968 464.9 P562

Electron microscopy, Grain, Leaves, Mosaic, Plant disease transmission, Poa annua, Polymyxa graminis, Sap, Secd germination, Seedlings, Soilborne plant diseases, Virus diseases (plants), Wheat. Abstract in English.

YELLOW DWARF OF PEA AND BROADBEAN CAUSED BY MILK-VETCH DWARF VIRUS. (IA)

T Inouye K Mitsuhata

Phytopathol Soc Jap Ann 34(1):28-35 REF

Jan 1968 464.9 P562

Aphididae, Astragalus, Broadbeans, Dwarf diseasc, Epidemiology, Host indexing (plants), Peas, Plant disease transmission, Plant diseases, Temperature, Time, Virus diseases (plants), Yellow dwarf. Abstract in English

EVIDENCE OF HYPHAL GROWTH OF CRONARTIUM QUERCUUM IN THE PINE-HOST CAMBIUM.

F F Jcwell

Plant Dis Rep 53(10):793-794 REF

Oct 1969 1.9 P69P

Cambium, Cronartium quercuum, Fungus diseases (plants), Pinus, Plant physiology.

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14380-69

14380-69

VEGETABLE DRY ROT AND PHYTOPROG-SERVICE IN NORTH-HANOVER 1968. (GE)

Gesunde Pflanzen 20(11):252-254

Nov 1968 464.8 G33

Biochemistry, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Phytophthora, Potatoes, Spraying.

14381-69

PHYTOPHTHORA-PROGNOSIS AND -CON-TROL IN THEORY AND PRACTICE. (GE

Kabiersch

Gesunde Pflanzen 19(8):163-165

Aug 1967 464.8 G33

Chemical control (plant diseases), Fungus diseases (plants), Phytophthora.

ON THE LONGEVITY OF CONIDIA OF CU-CUMBER DOWNY MILDEW FUNGUS, WITH SPECIAL REFERENCE TO THE INFLUENCE OF SUNLIGHT. (JA

T Kajiwara Y Iwata

Phytopathol Soc Jap Ann 34(2):85-91 REF

Mar 1968 464.9 P562

Conidia, Cucumbers, Downy mildew, Fungus diseases (plants), Irradiation, Light, Mycology, Pscudoperonospora cubensis, Seed germination, Temperature, Time. Abstract in English

A CONTRIBUTION TO STUDIES ON THE BIOLOGY AND CONTROL OF APPLE MILDEW (PODOSPHAERA LEUCOTRICHA (ELL. AND EV.) SALM.).

H Kaspers

Pflanzenschutz Nachr Bayer 20(4):687-702

1967 464.8 H67AE

Apples, Biology, Environment, Fungus diseases (plants), Greenhouse culture, Mildew, Plant disease control, Podosphaera leucotricha, Seed germination.

EPIDEMIOLOGY OF TEA BLISTER BLIGHT (EXOBASIDIUM VEXANS). THE GENUS GRAPHELYSIA HAMPSON, 1911 (LEPIDOPTERA-HETEROCERCA).

A Kerr R L De Silva

Ceylon Tea Res Inst Tea Quart 40(1):9-18 Mar 1969 68.18 C33

Arctiidae, Epidemiology, Exobasidium vexans, Fungus diseases (plants), Insect color, Insect physiology, Insect taxonomy, Plant disease transmission, Reproductive organs, Tca.

14385-69

ECOLOGICAL STUDIES ON THE SOFT-ROT BACTERIA OF VEGETABLES. III. APPLICA-TION OF IMMUNOFLUORESCENT STAINING FOR THE DETECTION AND THE COUNTING OF ERWINIA AROIDEAE IN SOIL. (JA

T Kikumoto M Sakamoto

Phytopathol Soc Jap Ann 33(3):181-186 REF Jun 1967 464.9 P562

Bacterial diseases (plants), Bacterial soft rot, Cabbage, Carrots, Cells, Erwinia aroidcae, Fluorescent dycs, Immunology, Plant ecology, Soil-borne plant diseases, Vegctables. Abstract in En-

STUDIES ON THE MONILIA DISEASE OF THE APPLE CAUSED BY MONILINIA MALI (TAK.) NHETZEL. (JA)

J Kimura

Phytopathol Soc Jap Ann 33(3):126-128 Jun 1967 464.9 P562

Apples, Fruit, Fungus diseases (plants), Moniliasis, Sclerotinia mali.

A VEINBANDING VIRUS OF GROUNDNUTS, ARACHIS HYPOGAEA L.

P J Klesser

S Afr J Agr Sci 10(2):515-528 REF Jun 1967 24 SU3

Aphis craccivora, Insect vectors, Peanuts, Vein banding, Virus diseases (plants).

14388-69

BEAN YELLOW MOSAIC AND TOBACCO RINGSPOT VIRUS ISOLATED FROM CROTALARIA (CROTALARIA SPECTABILIS). (JA)

Y Komuro M Iwaki

Phytopathol Soc Jap Ann 34(1):9-15 REF

Jan 1968 464.9 P562

Beans, Crotalaria spectabilis, Electron microscopy, Host indexing (plants), Ring spot, Taxonomy, Tobacco, Virus diseases (plants), Yellow mosaic. Abstract in English

Abstract: The host range was: aster, zinnia, Nicotiana tabacum (bright yellow, xanthi), N. glutinosa, pctunia, okra, broad bean, crotalaria, bean, soybean, turnip, New Zealand spinach, Gomphrena globosa, C. amaranticolor.

STRAINS OF TOBACCO MOSAIC VIRUS CON-TAINED IN CIGARETTES, WITH ESPECIAL REFERENCE TO THE INFECTION SOURCE FOR MOSAIC DISEASE OF TOMATO. (JA)

Y Komuro M Iwaki

Phytopathol Soc Jap Ann 34(2):98-102 REF Mar 1968 464.9 P562

Cigarette industry, Mosaic, Plant biochemistry, Tobacco, Tobacco mosaic virus, Tomatoes, Virus diseases (plants). Summary in Japanese

14390-69

MILDEWS THAT MIGHT MAR YOUR OPIUM POPPY.

K L Kothari

Indian Farming 16(7):23-24

Oct 1966 22 IN283

Chemical control (plant diseases), Cultural control (plant diseases), Mildew (plants), Papaver som-

14391-69

EFFECT OF SOIL FUMIGANTS ON CONTROL OF PEA ROOT ROT PATHOGENS.

J M Kraft W A Haglund T P Reiling Plant Dis Rep 53(10):776-780 REF

Oct 1969 1.9 P69P

Chemical control (plant diseases), Chlorinated hydrocarbons, Chloropicrin, Dichloropropene, 1,3-, Fungus diseases (plants), Peas, Root rot, Soil fumigation, Telone.

14392-69

COMPUTATION OF RESULTS OF CROP PRO-TECTION EXPERIMENTS BY THE METHOD OF TOWNSEND AND HEUBERGER.

W F Kremer G Unterstenhofer

Pflanzenschutz Nachr Bayer 20(4):625-628 1967 464.8 H67AE

Apples, Celery, Cercospora, Chemical control (plant diseases), Crop yields, Fungicides, Fungus diseases (plants), Leaves, Peronospora, Venturia inaequalis. From the Townsend and Heuberger

14393-69

AN ELECTRON MICROSCOPIC OBSERVA-TION OF THE SURFACE STRUCTURE OF CONIDIA OF ERYSIPHE GRAMINIS HORDEI. (JA)

H Kunoh S Akai

Mycol Soc Jap Trans 8(2):77-79 01 Scp 1967 451 N622

Barley, Conidia, Electron microscopy, Erysiphe graminis hordei, Fungus diseases (plants), Mycology, Plant physiology, Powdery mildew.

14394-69

BREEDING FOR DISEASE RESISTANCE AND YIELD IMPROVEMENT IN FLUE-CURED TOBACCO. (AF)

M P Lamprecht

S Afr J Agr Sci 10(1):41-50

Mar 1967 24 SU3

Crop yields, Flue-cured tobacco, Fungus diseases (plants), Meloidogyne incognita, Plant breeding,

Plant disease resistance, Plant nematodes, Powdery mildew, Tobacco, English and French abstracts

14395-69

WITCHES' BROOM OF BERBERIS. (GE)

K Lohwag

Pflanzenarzt 21(5):66-67

01 May 1968 464.9 P482

Berberis, Fungus diseases (plants), Lolium perenne, Rust (wheat), Urcdinales.

14396-69

IDENTIFICATION OF A BACTERIAL STRAIN PSEUDOMONAS SOLANACEARUM E. F. SM. OF TOBACCO (NICOTIANA TABACUM L.) IN COLOMBIA. (SP)

J C Lozano T H D Thurston

Agr Trop 23(5):289-294 May 1967 26 AG8

Bacterial diseases (plants), Biochemistry, Pseudomonas solanacearum, Tobacco. English abstract

IS AN EARLY INFECTION BY PERONOSPORA TABACINA ADAM CONTROLABLE IN THE FIELD . (GE)

W Luders

Gesunde Pflanzen 19(5):89-93

May 1967 464.8 G33

Chemical control (plant diseases), Field crops, Fungicides, Fungus diseases (plants), Manch, Peronospora tabacina, Polyethylene thiuram sulfides, Tobacco, Zinc propylenebis(dithiocarbamate), Zineb.

14398-69

SPRAYS ON CHLOROSIS, GRANULATION, FRUIT FALL, YIELD AND FRUIT QUALITY OF SWEET ORANGES VAR. BLOOD RED.

H R Manchanda

Punjab Agr Univ J Res 4(4):508-515

Dec 1967 S19.P8

Chemical control (plant diseases), Chlorosis (citrus), Crop yields, Oranges, Research, Spraying.

ELECTRON MICROSCOPY OF UREDOSPORES MELAMPSORA LINI AND OF RUST-IN-FECTED FLAX.

M S Manocha M Shaw

Can J Bot 45(9):1575-1582 REF

Sep 1967 470 C16C

Electron microscopes, Flax, Fungus diseases (plants), Melampsora lini, Rust (flax), Uredospores.

14400-69

THREE YEARS OF TESTS WITH NEW ANTI-PERONOSPORIC PREPARATIONS. (IT)

A Martinoli

Giornate Fitopatol 173-177

26 Mar 1967 SB599.G5

Botrytis cincrea, Chemical control (plant diseases), Folpet, Fungus diseases (plants), Grape vineyards, Oidium, Peronosporales, Grapes, Tetrachloroethyl)thio)-4-cyclohexene-1,2-dicarboximide, cisN

14401-69

PRODUCTION OF TOXINS AND PECTOLYTC ENZYMES BY TWO ISOLATES OF SCLEROTI-UM BATATICOLA TAUB. AND THEIR ROLE IN PATHOGENESIS.

S B Mathur

Phytopathol Z 62(4):327-333

Aug 1968 464.8 P562

Enzymes, Fungus discases (plants), Pectins, Plant extracts, Sclerotium bataticola, Sunflowers, Toxins. German summary

14402-69

CONTROLLING EFFECT OF PHENYL-HYDRAZINE DERIVATIVES ON RICE BLAST IN RELATION TO THE STRUCTURAL MODIFICATIONS. (JA)

K Matsuura I Sumina Y Kitamura Y Usui Phytopathol Soc Jap Ann 33(3):132-137

Jun 1967 464.9 P562

Blast, Chemical control (plant diseases), Fungus discases (plants), Greenhouse culturc, Hydrazine compounds, Injections, Phenylhydrazine, Plant biochemistry, Plant physiology, Rice, Seed germination, Seedlings, Spraying. Abstract in English

Abstract: Controlling effect in relation to the structural modifications of chlorophenylhydrazine and beta-acylchlorophenylhydrazine derivativcs.

PHYLLACHORA DOMINGENSIS AND PHYLLACHORA SIMPLEX-NEW REPORTS FOR THE CONTINENTAL.

F D Matthews Plant Dis Rep 53(10):820

Oct 1969 1.9 P69P

Fungus diseases (plants), Plant geography.

14404-69

ON FUSARIUM OXYSPORUM F. SP. LAGENARIAE N. F. CAUSING WILT OF LAGENARIA VULGARIS VAR. HISPIDA. (JA)

T Matuo 1 Yamamoto Mycol Soc Jap Trans 8(2):61-63

01 Sep 1967 451 N622

Calabash gourds, Fungus diseases (plants), Fusari-um oxysporum lagenariae, Gourds, Plant morphology, Vegetables, Wilt disease (plants).

A LOW-VOLUME POSTHARVEST SPRAY OF BENOMYL PREVENTS ASCOSPORE PRODUC-TION IN APPLE LEAVES INFECTED BY VEN-TURIA INAEQUALIS.

D L McIntosh

Plant Dis Rep 53(10):816-817

Oct 1969 1.9 P69P

Apples, Benomyl, Chemical control (plant diseases), Fungicides, Venturia inaequalis.

A NEW LEAF SPOT DISEASE OF GARDENIA JASMINOIDES FROM INDIA.

V G Mhaiskar

Phytopathol Z 62(4):390-392

Aug 1968 464.8 P562

Gardenia, Leafspot, Phyllosticta, Plant diseases, Research, Taxonomy. German summary

TOBACCO DISEASES IN VENEZUELA, COSTA RICO AND NICARAGUA.

C R Miller

Plant Dis Rep 53(10):823-824

Oct 1969 1.9 P69P

Fungus diseases (plants), Plant diseases, Surveys, Tobacco, Virus diseases (plants).

CONTRIBUTION TO THE INVESTIGATION OF CHEMOENDOTHERAPY OF SUGAR BEET IN-FECTED BY CERCOSPORA BETICOLA SACC. (CZ)

M Miric

Zastita Bilja 12(91-92):267-276

1966 464.8 Z1

Cercospora beticola, Fungicides, Fungus discases (plants), Greenhouse culture, Mycelia sterilia, Plant biochemistry, Spores, Sugar beets. English summary

14409-69

AN EVIDENCE FOR THE MULTIPLICATION OF RICE DWARF VIRUS IN THE VECTOR CELL CULTURES INOCULATED IN VITRO.

J Mitsuhashi S Nasu

Appl Entomol Zool 2(2):113-114

Jun 1967 SB599.A6

Cells, Culture media, Dwarf diseasc (ricc), Injections, Insect vectors, Nephotettix cincticeps, Research, Virus diseases (plants).

A NEW BACTERIAL LEAF SPOT OF ANTIRR-HINUM SEEDLINGS CAUSED BY A SUBSPE-CIES OF PSEUDOMONAS FLUORESCENS MIGULA, 1895.

M L Moffett

Queensland J Agr Anim Sci 23(2):121-132 REF Jun 1966 23 Q37

Antirrhinum, Bacterial diseascs (plants), Biochemistry, Host relationships, Leaf spot, Pseudomonas, Taxonomy.

1441I-69

BACTERIAL LEAF SPOT OF GOOSEBERRY IN QUEENSLAND. CAPE

M L Moffett D S Teakle

Queensland J Agr Anim Sci 23(2):133-145 REF Jun 1966 23 Q37

es (plants), Leaf Bacterial diseases Biochemistry, Gooseberries, spot, Taxonomy, Xanthomonas.

14412-69

RUST OF STONE FRUITS.

Agr Gaz New S Wales 78(PT 12):BACK COVER Dec 1967 23 N472

Bordeaux mixture, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Rust (trees), Sulfur compounds, Tranzscheliclla, Zineb.

PEACH LEAF CURL (TAPHRINA).

Agr Gaz New S Wales 78(PT 7):BACK COVER Jul 1967 23 N472

Bordeaux mixture, Chemical control (plant diseases), Fungus diseases (plants), Leaf curl, Peaches, Phytopathology, Taphrina deformans

Chemical control of Taphrina deformans, the fungal agent of peach leaf curl in Australia is discussed.

COMMON SCAB AND RHIZOCTONIA DIS-EASE OF POTATO.

Agr Gaz New S Wales 78(PT 5):BACK COVER May 1967 23 N472

Actinomycetes, Chemical control (plant diseases), Cultural control (plant diseases), Fungus diseases (plants), Rhizoctonia, Scab (potatoes).

14415-69

LEAFSPOT OF CUCURBITA PEPO CAUSED BY ALTERNARIA CUCUMERINA. (JA)

N Nishihara

Phytopathol Soc Jap Ann 34(2):152-155 REF Jul 1968 464.9 P562

Alternaria cucumerina, Fungus diseases (plants), Leaf spot, Pumpkins, Vegetables.

HELMINTHOSPORIUM LEAFSPOT OF BUF-FALOGRASS IN JAPAN. (JA)

N Nishihara

Phytopathol Soc Jap Ann 33(3):197-200 Jun 1967 464.9 P562

Buchloe dactyloides, Fungus diseases (plants), Grasses, Helminthosporium buchloes, Leaf spot.

ORANGES AND BIPHENYL IN ORANGES AND BIPHENYL VAPOR IN CONTROLLING DECAY, MYCELIAL GROWTH, AND SPORULATION BY PENICILLIUM DIGITATUM.

S M Norman D C Fouse C C Craft Plant Dis Rep 53(10)780-784

Oct 1969 1.9 P69P

Biphenyl, Chemical control (plant discases), Fungus diseascs (plants), Oranges, Penicillium

14418-69

PEROXIDASE ISOZYMES IN VIRUS-IN-FECTED PLANTS.

A Novacky R E Hampton

Phytopathology 58(3):301-305 REF Mar 1968 464.8 P56

Cowpeas, Enzymes, Kidney beans, Mosaic, Mosaic (beans), Mosaic (tobacco), Mung beans, Peroxidases, Ring spot, Streak (tobacco), Tobacco, Virus diseases (plants).

14419-69

INVESTIGATIONS ON THE USE OF THE PARASITIC FUNGUS BEAUVERIA BASSIANA IN THE CONTROL OF PESTS ON FIELD AND FOREST CROPS IN CZECHOSLOVAKIA. (FR)

V Novak A Samsinakova

Entomophaga Mem Hors Ser (2):133-135

1964 421 EN835M

Beauveria bassiana, Biological control (insects), Hylobius abietis, Insect outbreaks, Leptinotarsa decemlineata, Trypodendron lincatum. English summary

INTERACTION BETWEEN TWO RACES OF PIRICULARIA ORYZAE IN LESION-FORMA-TION IN RICE PLANTS AND ACCUMULATION OF FLUORESCENT COMPOUNDS AS-SOCIATED WITH INFECTION. (JA)

K Ohata T Kozaka

Tokyo Nat Inst Agr Sci Bull Ser C (plant Pathol Entomol) (SER.C)(21):111-132 REF Mar 1967 464.9 C433

Chromatography, Fluorescent substances, Leaves, Piricularia oryzae, Plant biochemistry, Plant injuries, Plant physiology, Rice, Seed germination, Ultraviolet rays, Virus diseases (plants).

14421-69

PHYSIOLOGICAL STRAINS OF PUCCINIA GRAMINIS TRITICI IN COLOMBIA AND ITS IMPLICATIONS. (SP)

N Orjuela J

Agr Trop 23(7):465

Jul 1967 26 AG8

Fungus diseases (plants), Puccinia graminis.

PRELIMINARY REPORT ON THE AMINO ACID COMPOSITION OF TMV-C PROTEIN.

N Oshima Y Kanazawa

Phytopathol Soc Jap Ann 34(2):155-157

Jul 1968 464.9 P562

Amino acids, Centrifugation, Leaves, Mosaic, Necrosis, Plant physiology, Proteins, Rorippa sylvestris, Tobacco, Tobacco mosaic virus, Virus diseases (plants). Summary in Japanese

THE INDUCTION OF STELAR REDDENING IN STRAWBERRY ROOTS.

A G Otterbacher D Powell C C Zych Plant Dis Rep 53(10):794-797 REF Oct 1969 1.9 P69P

Fungus diseases (plants), Phytophthora fragariae, Plant disease resistance, Steles, Strawberries.

PHYSIOLOGICAL AND ECOLOGICAL STU-DIES ON THE OVERSUMMERING AND OVER-WINTERING OF THE STRIPE RUST OF WHEAT AND BARLEY, PUCCINIA STRIFFOR-MIS WESTEND. (JA)

Phytopathol Soc Jap Ann 33(3):129-131 Jun 1967 464.9 P562

Barley, Fungus diseases (plants), Hibernation, Plant ecology, Plant hardiness, Plant physiology, Puccinia glumarum striiformis, Stripe rust, Uredinales, Wheat.

14425-69

THE PRESENT STATE OF RICE RESEARCH IN INDIA--DISEASES.

S Y Padmanabhan

Indian Farming 16(6):22-25

Sep 1966 22 IN 283

Blast (rice), Fungicides, Helminthosporium, Piricularia, Plant disease resistance, Rice.

DAMAGE AND EVOLUTION DISTURBANCE THROUGH WEATHER INFLUENCE. (GER) M Paetzholdt

Gesunde Pflanzen 19(7):148-150

Jul 1967 464.8 G33

Apples, Climate, Cork rot, Plant injuries, Roots, Seeds, Temperature.

14427-69

DISEASES OF ANNUAL OLEACEAE IN COLOMBIA. (SP)

H Patino C

Agr Trop 23(8):532-539 Aug 1967 26 AG8

Colombia, Olcaceae, Plant diseases, Surveys.

14428-69

CONTROL OF POWDERY MILDEW OF CU-CURBITS WITH SYSTEMIC AND NONSYSTEMIC FUNGICIDES.

A O Paulus F Shibuya J Osgood G W Bohn B J Hall Et Al

Plant Dis Rep 53(10):813-816

Oct 1969 1.9 P69P

Carbonates, Chemical control (plant diseases), Cucurbits, Fungicides, Powdery mildew, Systemic fungicides.

14429-69

A STUDY OF THE BIOLOGY OF PSEU-DOPEZIZA JONESII NANNF (PYRENOPEZIZA MEDICAGINIS FUCK) THE CAUSE OF YEL-LOW BLOTCHES ON LEAVES OF ALFALFA. (CZ)

M Perisie D Stojanovic

Zastita Bilja 12(91-92):183-190

1966 464.8 Z1

Alfalfa, Apothecium, Fungus diseases (plants), Leaves, Plant physiology, Pseudopeziza jonesii, Pseudopeziza medieaginis, Pyenidia, Seed germination. English summary

LIMB RUST OF PINE: THE CAUSAL FUNGI.

R S Peterson

Phytopathology 58(3):309-315,MAP REF

Mar 1968 464.8 P56

Cronartium, Fungus diseases (plants), Peridermium, Peridermium filamentosum, Peridermium stalactiforme, Pinus, Rust.

A LEAFSPOT DISEASE OF KENAF IN MARY-LAND ASSOCIATED WITH CRISTULARIELLA PYRAMIDALIS.

F G Pollack H E Waterworth Plant Dis Rep 53(10):810-812

Oct 1969 1.9 P69P

Cristulariella pyramidalis, Fungus (plants), Kenaf, Leaf spot. diseases

FUNGICIDES CAN CHECK FRUIT-ROT AND DIE-BACK OF CHILLI.

M Ramalingam C S Krishnamurthy

Indian Farming 16(5):34-35,37 Aug 1966 22 IN283

Bordeaux mixture, Bush redpeppers (vegetable), Crop yields, Diebaek, Fungicides, Rot (redpeppers).

PESTICIDE SPRAYING DURING THE RAINS.

D B Reddy

Indian Farming 16(9):34

Dec 1966 22 IN283

Chemical control (insects), Insecticide application, Insecticides, Methodology, Rainfall.

A discussion of pesticide use in India during the rainy season and suggestions for their applications are given.

14434-69

CURRENT STATUS OF IN VITRO SYNTHESIS OF PLANT VIRUSES.

M E Reichmann J M Clark

Annu Rev Phytopathol 6:295-316 REF

1968 464.8 AN72

Adenosine triphosphates, Amino aeids, Proteins, Ribonucleic acid, Virus diseases (plants), Viruses.

SELECTIVE VAPOR PHASE ACTIVITY OF CHLORONITRO- AND CHLOROBENZENES IN SOIL.

L T Riehardson

Phytopathology 58(3):316-322 REF

Mar 1968 464.8 P56

Chlorinated hydrocarbons, Fungi, Fungicides, Pythium ultimum, Rhizoetonia solani, Soil fumigation, Trichoderma viride, Vapors.

14436-69

EVALUATION AND USE OF FUNGICIDES IN COMMERCIAL CULTIVATION OF BARLEY IN COLOMBIA, (SP)

G Robayo J Orjuela H D Thurston

Agr Trop 23(7):455-464 REF

Jul 1967 26 AG8

Barley, Chemical control (plant discases), Crop yields, Fungicides, Fungus diseases (plants), Mancb, Nickel, Spraying, Zinc. English abstract

INHERITANCE OF RESISTANCE IN TOMATO (LYCOPERSICON SPP.) TO THE ANTHRAC-NOSE PATHOGEN COLLETOTRICHUM COC-CODES.

M Robbins F F Angell

Hortscience 3(2,SUMMER):110

1968 SB1.H6

Anthracnose (tomatoes), Breeding, Colletotrichum eoecodes, Microorganisms, Plant disease resistance, Research, Temperature, Tomatine.

14438-69

PHYTOPHTHORA DISEASES OF RUBBER IN CEYLON AND INDIA.

Rubber Res Inst Malaya Plant Bull (95):49-51 Mar 1968 78.9 R825

Chemieal control (plant diseases), Fungus diseases (plants), Hcvea, Phytophthora.

Leaf fall, pod rot and black stripe of rubber plants in Ceylon and India and the chemical controls of their étiologie agents are discussed.

14439-69

EARLY SOWINGS AND FUNGICIDES HELP ARREST THE ANGULAR LEAFSPOT OF COT-TON.

V M Sahni S D Gera

Indian Farming 16(10):27

Jan 1967 22 IN283

Angular leafspot, Copper oxychloride, Cotton, Fungicides, Plant disease resistance, Seed planting.

The use of fungicides, early crop sowing and disease resistant varieties of cotton are discussed as eontrols of angular leaf spot discases of cotton in India.

14440-69

SUGARCANE DISEASES IN THE PUNJAB--A SURVEY REPORT.

S S Sandhu N S Mann D S Bhatti

Punjab Agr Univ J Res 4(4):533-535

Dec 1967 S19.P8

Baeteria, Plant diseases, Reports, Research, Sugareane, Surveys, Tables (data).

14441-69

EVIDENCE OF PHENOTYPIC MIXING BETWEEN TWO STRAINS OF TOBACCO MOSAIC VIRUS.

S Sarkar

Z Vererbungslehre 105(1):87-90

1969 442 8 734

Coconuts, Diagnosis, Leaves, Plant diseases, Plant nutrition, Proteins, Ribonucleic acid, Soil moisture, Temperature, Tobacco, Tobacco mosaie virus, Virus diseases (plants).

14442.69

A MILD STRAIN OF TRISTEZA VIRUS IN HAS-SAKU TREES (CITRUS HASSAKU HORT. ET Y. TANAKA) IN HIROSHIMA PREFECTURE. (JA)

Phytopathol Soc Jap Ann 33(3):162-167 REF Jun 1967 464.9 P562

Citrus, Greenhouse eulture, Limes, Plant disease transmission, Plant grafting, Seedlings, Tree diseases, Tristeza, Virus diseases (plants). Abstract in English

14443-69

ISOLATION OF RISHITIN FROM TUBERS OF INTERSPECIFIC POTATO VARIETIES CONTAINING DIFFERENT LATE-BLIGHT RE-TAINING DIFFER SISTANCE GENES.

N Sato K Tomiyama N Katsui T Masamune Phytopathol Soc Jap Ann 34(2):140-142

Mar 1968 464.9 P562

Crop varieties, Fungus diseases (plants), Immunity, Late blight, Nodules (plants), Phytoalexin, Phytophthora infestans, Plant bioehemistry, Plant disease resistance, Plant genetics, Potatoes, Rishitin, Solanum demissum. Abstract in Japanese

14444-69

EFFECTS OF N-DIMETHYLAMINO SUC-CINAMIC ACID (ALAR) ON MATURITY AND SIZE OF POCAHONTAS STRAWBERRIES. (AB-

R L Sehacfer

Hortscience 3(2,SUMMER):97

1968 SB1.H6

Greenhouse culture, Harvesting, Plant growth regulator, Research, Sampling (statistics), Strawberrics, Suceinic acid, 2,2-dimethylhydrazide.

NEW TIN COMPLEX COMPOUNDS AS PLANT PROTECTION FUNGICIDES. (GE

P Schicke K R Appel L Schroder Rhien Ingelheim

Pflanzenschutzberichte 38(12):189-202

Oet 1968 464.9 P48

Biochemistry, Celery, Cercospora beticola, Chemical control (plant diseases), Metals, Phytophthora infestans, Plant protection, Research, Septoria apii, Sugar beets, Tomatoes. English summary

14446-69

GREENHOUSE TESTING OF SUGAR BEETS FOR RESISTANCE TO CURLY TOP.

C L Schneider A M Jafri A M Murphy Amer Soc Sugar Beet Technol J 14(8):727-734 REF

Jan 1968 66.9 AM35J

Circulifer tenellus, Crop varietics, Curly top, Greenhouse culture, Inseet vectors, Methodology, Plant breeding, Plant disease resistance, Sugar beets, Virus diseases (plants).

14447-69

ENHANCEMENT OF TOBACCO RATTLE VIRUS STABLE FORM INFECTION BY HETEROLOGOUS SHORT PARTICLES.

J S Semaneik M B Kajiyama Virology 34(1):170-172 Jan 1968 448.8 V81

Particle size determination, Rattle disease (tobacco), Tobaceo, Virus diseases (plants).

STUDIES ON THE PARASITSM AND CONTROL OF TEA ROOT DISEASE FUNGI IN CEYLON. HETEROPTERA.

N Shanmuganathan A Rei Do Rego Barros Ceylon Tea Res Inst Tea Quart 40(1):19-25 Mar 1969 68.18 C33

Chemical control (plant diseases), Ctenueha, Fungus diseases (plants), Insect eolor, Insect physiology, Insect taxonomy, Methyl bromide, Nemato-cides, Parasitism, Reproductive organs, Roots, Soil fumigation, Tea.

14449-69

POWDERY MILDEW OF RUBBER IN PAPUA.

D E Shaw

Papua New Guinea Agr J 19(3):140-146 MAP Dec 1967 23 N453

Fungus diseases (plants), Hevea, Oidium, Powdery mildew, Surveys, Zoogcography.

AN APPROACH TO THE ELUCIDATION OF HOST-PARASITE INTERACTION. (JA

J Shishiyama T Hirai

Phytopathol Soc Jap Ann 34(2):158-160 Mar 1968 464.9 P562

Deoxyribonucleic acid, Host indexing (plants), Indoleacetic acid, Plant biochemistry, Plant metabolism, Virology, Virus diseases (plants).

14451-69

ERRATUM 49: A PLEOMORPHIC PARASITE ON CEREAL SEEDS, PYRENOPHORA SEMENIPERDA.

R A Shoemaker

Can J Bot 45(4):542

Apr 1967 470 C16C

Grain, Parasitism, Pyrenophora semeniperda, Seeds. On page 1452, the illustration, fig. I was inverted. Consequently the caption refers to the wrong spores.

14452-69

SEED DRESSING FORMULATIONS.

C C Shroff

Pesticides 1(5):27

Jan 1968 SB951.P43

Formulations, Fungicides, Fungus diseases (plants), Seed treatment.

14453-69

PATHOGENICITY OF SOME SPECIES OF GODRONIA OCCURRING IN QUEBEC.

E Smerlis

Plant Dis Rep 53(10):807-810

Oct 1969 1.9 P69P

Alnus, Betula, Fungus diseases (plants), Surveys.

14454-69

TWO IMPORTANT BACTERIAL DISEASES ON BEANS. (TU)

S Sonmezalp

Bitki Koruma Bulteni 6(3):103-110

1966 464.8 B542

Bacterial diseases (plants), Beans, Cornybacterium, Methodology, Plant quarantine, Xanthomonas phaseoli. English summary

14455-69

EFFECT OF A VARIETAL MIXTURE ON SUGARCANE ROOT ROT SUSCEPTIBILITY AND ON THE RHIZOSPHERE MICROFLORA.

K V Srinivasan

Indian Acad Sci Proc Sect B 68(3):150-162 REF

Sep 1968 513 IN25B

Actinomycetes, Bacteria, Penicillium, Plant ecology, Pythium graminicola, Root rot, Sugarcane, Trichoderma.

14456-69

OCCURRENCE OF PHYLLOSTICTA LEAF SPOT ON FLORIDA CIGAR-WRAPPER TOBACCO.

J R Stavely R R Kincaid

Plant Dis Rep 53(10):837-839

Oct 1969 1.9 P69P

Fungus diseases (plants), Leaf spot, Phyllosticta, Plant morphology, Tobacco.

14457-69

THE EFFECT OF BENOMYL ON MYCOSPHAERELLA MUSICOLA.

R H Stover

Plant Dis Rep 53(10):830-833

Oct 1969 1.9 P69P

Bananas, Benomyl, Chemical control (plant diseases), Fungicides, Mycosphaerella musicola, Plant physiology, Spore germination, Sporulation.

14458-69

UTILIZATION OF VARIOUS FORMS OF NITROGEN BY DRECHSLERA SOROKINIANA, THE PATHOGEN CAUSING FOOT ROT DISEASE IN WHEAT.

C V Subramanian P D Tyagi

Indian Acad Sci Proc Sect B 68(3):111-130 REF

Sep 1968 513 IN25B

Foot rot, Fungus diseases (plants), Metabolism, Mycology, Nitrogen, Pyrenophora, Wheat.

14459-69

EFFECT OF BETA-ACYLPHENYLHYDRAZINE DERIVATIVES ON BLAST FUNGUS UPON

LEAVES AND IN TISSUES OF RICE PLANTS.

I Sumina K Matsuura

Phytopathol Soc Jap Ann 33(3):138-143

Jun 1968 464.9 P562

Blast, Chemical control (plant diseases), Culture media, Fungus diseases (plants), Hydrazine compounds, Leaves, Plant growth inhibitors, Pyricularia oryzae, Rice, Seed germination, Tissues. Abstract in English

14460-69

ANATOMICAL STUDIES OF RICE PLANT INFECTED WITH BACTERIAL LEAF BLIGHT, WITH SPECIAL REFERENCE TO WILT SYMPTOM. (JA)

H Tabei

Phytopathol Soc Jap Ann 34(2):137-139 REF Mar 1968 464.9 P562

Bacterial diseases (plants), Bacterial leaf blight, Plant anatomy, Plant histology, Rice, Seedlings, Time, Wilt disease (plants). Abstract in English

14461-69

STUDIES ON DWARF DISEASE OF MULBER-RY TREE. XVI. ON TWO STRAINS. (JA)

Y Tahama

Phytopathol Soc Jap Ann 33(3):156-161

Jun 1967 464.9 P562

Dwarf disease, Leaves, Morus, Plant physiology, Tree diseases, Tree injuries, Virus diseases (plants). Abstract in English.

14462-69

A COLOR TEST FOR CITRUS EXOCORTIS IN IAPAN.

S Tanaka

Phytopathol Soc Jap Ann 34(2):151-152

Jul 1968 464.9 P562

Assay, Citrus, Color, Grapefruit, Immunity, Lemons, Mandarin oranges, Sweet oranges, Trifoliate oranges, Virus diseases (plants). Summary in Japanese

14463-69

THE DEVELOPMENT OF ECHINULATION IN UREDOSPORES OF WHEAT STEM RUST.

P L Thomas P K Isaac Can J Bot 45(3):287-289

Mar 1967 470 C16C

Electron microscopes, Electron microscopy, Fungus diseases (plants), Wheat.

14464-69

MORPHOLOGY OF CAULIFLOWER MOSAIC VIRUS. (JA)

H Tochihara

Phytopathol Soc Jap Ann 33(3):195-197

Jun 1967 464.9 P562

Cauliflower, Centrifugation, Culture media, Electron microscopy, Mosaic, Plant morphology, Virus diseases (plants). Abstract in English

Abstract: The writer corrects his mistake in identification of the virus particles reported in his previous paper (Ann. Phytopath. Soc. Japan 25: 187, 1960).

14465-69

RADISH ENATION MOSAIC VIRUS. (JA)

H Tochihara

Phytopathol Soc Jap Ann 34(2):129-136 REF Mar 1968 464.9 P562

Enation mosaic, Eurydema rugosa, Hyadaphis pseudobrassicae, Immunity, Injections, Insect vectors, Leaves, Mosaic, Myzus persicae, Phyllotreta striolata, Plant disease transmission, Plant taxonomy, Radishes, Temperature, Virus diseases (plants). Abstract in English.

Abstract: The following plants were not susceptible: tobacco (bright yellow, yanthi, white burley), Nicotiana glutinosa, tomato, pepper, kidney bean, cowpea, broad bean, garden pea, cucumber, pumpkin, Chrysanthemum, coronarium, morning-glory, beet, rape, Datura stramonium, and Physalis floridana.

14466-69

CHEMICAL TREATMENT THE ANSWER TO FRUIT SCALD.

B L Tugwell

S Australia J Agr 71(8):296-298

Mar 1968 23 SO84

Apples, Carbamates, Chemical control (plant diseases), Dipping, Ethoxyquin, Fruit, Pears, Propanil, Scald, Spraying, Storage diseases, Urea compounds.

14467-69

POST-YEAR RESPONSES OF CONCORD GRAPE VINES TREATED WITH N-DIMETHYLAMINO SUCCINAMIC ACID. (ABSTRACT).

L D Tukey

Hortscience 3(2,SUMMER):126

1968 SB1.H6

Crop yields, Pruning, Research, Spraying, Succinic acid, 2,2-dimethylhydrazide.

14468-6

SOME FACTORS AFFECTING INCIDENCE OF LEAF SPOT OF TURMERIC BY TAPHRINA MACULANS BUTLER.

R Upadhyay M S Pavgi

Phytopathol Soc Jap Ann 33(3):176-1180

Jun 1967 464.9 P562

Curcuma longa, Fungus diseases (plants), Humidity, Leaf spot, Plant ecology, Soil-borne plant diseases, Taphrina maculans, Temperature. Abstract in Japanese

4469-69

VIRUS DISEASES OF CEREALS IN SOUTH AFRICA. II. IDENTIFICATION OF TWO ELON-GATED PLANT VIRUSES AS STRAINS OF SUGAR CANE MOSAIC VIRUS.

M B Von Wechmar J S Hahn

S Afr J Agr Sci 10(1):241-252 REF

Mar 1967 24 SU3

Grain, Mosaic, Sugarcane, Virus diseases (plants).

4470-69

FUNGAL PATHOGENICITY TO SOUND AND MECHANICALLY DAMAGED BLUE LUPINE SEED IN ANEXIC CULTURE AT TWO TEMPERATURES.

H D Wells D K Bell

Plant Dis Rep 53(10):774-776

Oct 1969 1.9 P69P

Fungus diseases (plants), Lupinus angustifolius, Plant injuries, Surveys.

14471-69

VIRUS A AS A CAUSE OF STREAK ON SECONDARY INFECTED EYESTECKLINGS OF THE POTATO. (GE)

H Wenzl

Pflanzenschutzberichte 37(12):197-202

Jun 1968 464.9 P48

Diagnosis, Leaves, Potatoes, Research, Streak, Virus a (potatoes), Virus diseases (plants), Virus s. English summary

14472-69

OVERWINTERING OF TUBERCULINA MAXIMA ON WHITE PINE BLISTER RUST CANKERS.

E F Wicker J M Wells

Phytopathology 58(3):391

Mar 1968 464.8 P56

Blister rust, Cold, Cronartium ribicola, Culture media, Fungus diseases (plants), Hibernation, Pinus, Tuberculina.

14473-69

SEVERAL YEARS' RESEARCH ON THE INVESTIGATIONS OF VIRUS IN PEARS. (GE)

E A Wigger

Gesunde Pflanzen 19(8):160

Aug 1967 464.8 G33

Pears, Ring spot, Virus diseases (plants).

14474-69

COMATRICHA NODULIFERA, A NEW MYXO-MYCETE FROM TEXAS.

CROP PROTECTION

14475-69

C Wollman C J Alexopoulos Can J Bot 46(2):157-159

Feb 1968 470 C16C Agar, Bark, Culture media, Myxomycetes, Plant diseases

14475-69

NUTRITIONAL EFFECTS CONNECTED WITH SHEEPNOSING, A I GRAPEFRUIT. (ABSTRACT). DISORDER

H K Wutscher

Hortscience 3(2,SUMMER):107

1968 SB1.H6

Deficiency diseases, Hydrogen-ion concentration, Leaves, Potassium, Research, Soil structure.

ALTERNATIVE WEED HOST FOR XANTHOMONAS CAMPESTRIS.

J M Young

Plant Dis Rep 53(10):820-821

Oct 1969 1.9 P69P

Bacterial discases (plants), Brassica, Weeds, Xanthomonas.

14477-69

THE EFFECT OF CYCLOHEXIMIDE ON THE RESISTANCE OF POTATO TUBER DISCS TO INVASION BY A FLUORESCENT PSEU-DOMONAS SP.

M Zucker M M El-Zayat

Phytopathology 58(3):339-344 REF

Mar 1968 464.8 P56

Cycloheximide, Enzymes, Fluorescence, Plant biochemistry, Plant discase resistance, Potatoes, Proteins, Pscudomonas.

ARTHROPODS

14478-69

PLANT CARE AND BEE CARE GO HAND IN HAND. (GE)

Anonymous

Gesunde Pflanzen 19(7):150-151

Jul 1967 464.8 G33

Bces, Plant odor, Plant protective devices, Pollination. Social insects.

14479-69

PESTS OF LEGUME COVERS. CHARAC-TERISTIC COCOON PRODUCTION.

Anonymous J R Pcdro A Borgonovi H Vaz De

Rubber Res Inst Malaya Plant Bull (102):105-112 May 1969 78.9 R825

Chemical control (insects), Clover, Insect pests, Inscct physiology, Insect rearing, Legumes, Plant nematodes, Pupal cases, Bombyx mori, Statistical analysis, Surveys.

PROBLEMS REGARDING THE PROTECTION OF FRUIT TREES AGAINST INFESTATIONS BY LEAF MINING MICROLEPIDOPTERA. (IT)

G Briolini G Celli P Giunchi Giornate Fitopatol 365-372 MAP

26 Mar 1967 SB599.G5

Apples, Biological control (insects), Chemical control (insects), Dichlorvos, Insect outbreaks, Leaf Microlepidoptera, Organophosphorus compounds. Many species of microlepidoptera are discussed.

FACTORS AFFECTING THE INFESTATION OF APHIDS ON POTATO PLANTS. (JA)

M Enaizumi

Jap J Appl Entomol Zool 12(1):10-17 REF Mar 1968 475 J27

Aphididac, Aphis gossypii, Aulacorthum solani, Insect dissemination, Insect pests, Insect temperature, Macrosiphum cuphorbiae, Myzus persicae, Potatocs, Rainfall.

14482-69

THE FREQUENCY OF SOGATA ORIZICOLA MUIR AND SOGATA CUBANA CRAWF. ON RICE AND ECHINOCHLOA COLONUM IN COLOMBIA. (SP)

G E Galvez

Agr Trop 23(6):384-389 Jun 1967 26 AG8

Chemical control (insects), Cultural control (insects), Echinochloa, Plant pest resistance, Planting date, Rice, Sogata cubana, Sogata orizicola. English abstract

14483-69

INSECTS OF THE SEASON 1966 RELATED TO FRUIT, VEGETABLES AND ORNAMENTALS. H W Goble

Entomol Soc Ontario Proc 97:6-7

1966 420 ON8

Fruit, Insect control, Insects, Ornamental plants, Plant injuries, Research, Vegetables.

NOTE ON THE TRANSMISSION OF NORTHERN CEREAL MOSAIC VIRUS BY MUELLERIANELLA FAIRMAIREI (PERRIS). (JA)

T Ishii

Jap J Appl Entomol Zool 11(4):191-192

Dec 1967 475 J27

Insect vectors, Mosaic, Muellerianella fairmairei, Research, Virus diseases (plants).

14485-69

PESTS OF THE GRAPEVINE.

E L Jones

Agr Gaz New S Wales 78(PT 12):708-714

Dec 1967 23 N472

Acarina, Brevipalpus, Eriophyes vitis, Grapes, Phalaenoides glycinae, Plant pest control, Pseu-dococcus maritimus, Rhynchophora, Thysanoptera, Tortrix postvittana.

Control of economically important grapevine pests in Australia are discussed.

LEST WHITE GRUBS VISIT YOUR SUGAR-CANE...AND FIND YOU UNPREPARED.

A N Kalra

Indian Farming 16(12):36-37

Mar 1967 22 IN283

Chemical control (insects), Crop rotation, Insect ecology, Light traps, Plowing, Scarabaeidae, Sugarcane.

The control of a sugarcane pcst, Holotrichia (Lachnosterna) serrata by light traps, cultural and chemical controls is discussed.

INFLUENCE OF PESTICIDES ON RUSSETING OF GOLDEN DELICIOUS APPLES.

F W Kremer

Pflanzenschutz Nachr Bayer 20(4):629-643

1967 464.8 H67AE

Acaricides, Apples, Chemical control (insects), Crop varieties, Fungicides, Insect ecology, Insect pests, Insecticides, Mites, Orchidaceac, Panonychus ulmi, Russeting, Spraying.

HARD-TO-KILL PESTS OF FRUIT TREES; THE MITES.

H F Lower

S Australia J Agr 71(8):273-278

Mar 1968 23 SO84

Bryobia, Chemical control (insects), Equipment, Fruit, Insect control, Insect eggs, Insect pests, Insecticide resistant insects, Insecticides, Mites, Oils, Spraying, Temperature, Trce injuries.

14489-69

ON THE APPEARANCE AND THE CONTROL OF THE RED-CURRANT LEAF-GALL FLY. (GE)

H G Michel

Gesunde Pflanzen 20(3):50-52

Mar 1968 464.8 G33

Biochemistry, Cecidomyiidae, Chemical control (insects), Chlorinated hydrocarbons, Currants, Dasineura tetensi, Demeton, Endosulfan, Insect pests, Insecticides, Organophosphorus compounds, Plant injuries.

14490-69

BIONOMICS OF THE RICE GUNDHY BUG, LEPTOCORISA VARICORNIS FABR. (HEMIPTERA, HETEROPTERA; COREIDAE).

S S Misra

Allahabad Farmer 42(2):75-77

Mar 1968 22 AL5

Biometry, Crop losses, Leptocorisa varicornis, Life cycle, Rice.

14491-69

THE DEVELOPMENT OF THE CITRUS PSYL-LA, TRIOZA ERYTREAE (DEL GUERCIO) (HOMOPTERA: PSYLLIDAE), ON CITRUS LIMON AND FOUR INDIGENOUS HOST PLANTS.

V C Moran

Entomol Soc Southern Afr J 31(2):391-402 REF Sep 1968 420 EN86

Host plants, Insect morphology, Insect rearing, Psyllidae, Rutaceae.

14492-69

VARIOUS PROBLEMS ON VECTORS OF RICE VIRUSES.

S Nasu

Kontyu 35(3):290-301 REF

Sep 1967 421 K833

Insect vectors, Rice, Virus diseases (plants).

STUDIES ON THE INSECTICIDE RESISTANCE OF THE TEA RED SPIDER MITE, TETRANYCHUS KANZAWAI KISHIDA. II. THE MITE RESISTANCE TO PHENKAPTON, ESTOX, AND KELTHANE IN THE TEA GROW-ING AREAS IN JAPAN. (JA)

M Osakabe

Jap J Appl Entomol Zool 12(1):18-22

Mar 1968 475 J27

Chemical control (insects), Chlorinated hydrocarbons, Dichlorophenyl)thio)methyl) O,O-diethyl phosphorodithioate "Dicofol, Dimethyl S-(1phosphorodithioate "Dicofol, Dimethyl S-(1-methyl-2-ethylsulfinyl)ethyl phosphorodithioa t, Insecticide resistant insects, Insecticides, Mites, Organophosphorus compounds, Tea, Tetranychus kanzawai.

11191-69

TANYMECUS DILATICOLLIS GYLL. (CURCU-LIONIDAE, COLEOPTERA) AS A PEST OF CULTIVATED PLANTS AND THE PRE-SOW-ING TREATMENT OF THE SEED WITH IN-SECTICIDES AS A CONTROL MEASURE. (GE) P A Popov

Pflanzenschutzberichte 38(8/9):101-114 MAP

Jul 1968 464.9 P48

Biochemistry, Chemical control (insects), Corn, Curculionidae, Dicldrin, Insect biology, Insect posts, Insecticides, Plant injuries, Seed planting. English summary

14495-69

TRANSMISSION EXPERIMENTS WITH THE LATENT PRUNUS-VIRUS AND THE GALL MITE VASATES FOCKEUI NAL. (GE)

G Proescler

Phytopathol Z 63(1):1-9 REF Scp 1968 464.8 P562

Feeding, Insect vectors, Mites, Plant disease transmission, Prunus, Research, Time, Virus diseases (plants). English summary.

14496-69

OCCURRENCE OCCURRENCE AND CONTROL OHAPLODIPLOSIS EQUESTRIS IN HOLLAND. EGR Rijsten

Pflanzenschutz Nachr Bayer 20(4):674-680 1967 464.8 H67AE

Cecidomyiidae, Chemical control (insects), Chlorinated hydrocarbons, Crop rotation, DDT, Gall-making insects, Haplodiplosis equestris, Insect ecology, Insect pests, Insecticides, Marshes, Sandy soils, Soil sampling, Spraying, Weeds, Zoogeography.

14497-69

INSECTICIDAL EXPERIMENTS FOR THE CONTROL OF MUSTARD APHID.

G Rout B Senapati

Pflanzenschutz Nachr Bayer 20(4):681-686

1967 464.8 H67AE

Chemical control (insects), Crops, Cruciferae, Insect pests, Insecticide application, Lipaphis erysimi, Myzus persicae, Organophosphorus compounds, Parathion, Seed treatment, Soil analysis, Spraying.

14498-69

RECOMMENDATIONS FOR CHEMICAL CON-TROL OF PESTS OF RUBBER PLANTATIONS. Rubber Res Inst Malaya Plant Bull (95):67-68

Mar 1968 78.9 R825

Chemical control (insects), Hevea, Insect pests, Insecticide application, Methodology. These recommendations supersede those published in Planters' Bulletin 82 (p.17).

14499-69

FURTHER EXPERIMENTS REGARDING THE CLARIFICATION OF THE CONNECTION BETWEEN THE BEET LACEBUG PIESMA QUADRATUM (FIEB) AND THE BEET CRIN-KLE VIRUS. (GE)

H Schmutterer

Z Pflanzenkrankh (pflanzenpathol) Pflanzensclutz 75(7):387-394 REF

Jul 1968 464.8 Z3

Crinkle (sugar beets), Gastrointestinal system, Insect vectors, Piesma, Plant disease transmission, Plant diseases, Research, Virus diseases (plants). English summary

OBSERVATIONS ON THE TOLERANCE AND SUSCEPTIBILITY OF TEA CLONES TO SHOTHOLE BORER INVESTIGATION--1969.

K Thirugnanasuntharan D Calnaido Ceylon Tea Res Inst Tea Quart 40(1):47-52

Mar 1969 68.18 C33

Brucellosis, Cattle, Livestock diseases, Plant breeding, Plant disease resistance, Scolytus rugulosus, Surveys, Tea.

14501-69

NEOTETRANYCHUS RUBICOLA BAGD. ON THE RASPBERRY BUSH IN SERBIA. (SE) **B** Tomasevic

Zastita Bilja 18(93/95):207-211

19.67 464.8 Z1

Chemical Acaricides. (insects). control O,O-dicthyl Dichlorophenyl)thio)methyl) phosphorodithioate ,, Dicofol, Insect behavior, Insect pests, Neotetranychus rubicola, Phosphamidon, Raspberries. French summary.

A CONTRIBUTION TO THE STUDY OF OLIVE CECIDOMYIIDAE: LASIOPTERA BERLESIANA (PAOLI). (CZ)

A Tominic

Zastita Bilja 12(91-92):221-228 REF

1966 464.8 Z1

Cecidomyiidae, Gall-making insects, Insect biology, Insect pests, Larvae, Lasioptera berlesiana, Olives, Pistacia lentiscus, Pistacia terebinthus. English summary

14503-69

KNOW YOUR ENEMY: THE SO-CALLED 'CORNFLY'. (GE)

H J Wasserburger

Mitt Dent Landwirt -ges 83(24):906-907

13 Jun 1968 18 N39

Chemical control (insects), Corn, Hylemya platura, Insect pests, Plant injuries. Seeds.

NEMATODES

14504-69

THE SUGAR BEET NEMATODE.

J Altman

Down Earth 23(4):27-31 SPRING

1968 381 D75

Biochemistry, Chemical control (nematodes), Crop losses, Crop yields, Dichloropropene, 1,3-, Heterodera, Morphology, Plant injuries, Plant ne-matodes, Soil fumigation, Sugar beets.

14505-69

A STUDY ON THE CORRELATION OF CITRUS NEMATODE POPULATION WITH DECLINE OF CITRUS.

O S Bindra H K Chhabra K L Chadha N K Mehrotra

Punjab Agr Univ J Res 4(4):543-546

Dec 1967 S19.P8

Correlation, Crop yields, Oranges, Population, Research, Tables (data), Tylenchulus semipenetrans.

14506-69

IMPORTANCE AND CAUSES OF NEMATODE MOVEMENT IN THE SOIL AND RESEARCH ON THE MIGRATION OF 'DITYLENCHUS MYCELIOPHAGUS'. (FR

J C Cayrol M Ritter

Rev Zool Agr Appl 66(7-9, 3RD TRIMESTER):92-102 REF

1967 410.9 SO12

Behaviorism, Ditylenchus, Locomotion, Mathematical analysis, Plant nematodes, Soils.

14507-69

PATHOGENICITY AND IDENTITY OF ROOT-KNOT NEMATODES ON FIVE VARIETIES OF BANANA.

M Z Claudio R G Davide

Philippine Agr 51(3):241-251

Aug 1967 25 P542

Bananas, Immunization, Meloidogyne incognita, Plant nematodes, Root knot nematode.

A NEW NEMATODE-DESTROYING HAR-POSPORIUM.

C Drechsler

Amer J Bot 55(10,NOV-DEC):1251-1253

Dec 1968 450 AM36

Biological control (pests), Fungi, Harposporium, Nematode controlling fungi, Nematodes, Plant pests, Taxonomy.

14509-69

THE OCCURRENCE OF HETERODERA GLYCINES ON TRIFOLIUM ALEXANDRINUM IN UNITED ARABIC REPUBLIC.

I A Elmiligy

Nematologica 14(4):592

1968 436.8 N342

Clover, Heterodera glycines, Plant nematodes.

RING NEMATODE DISEASE OF RICE IN LOUISIANA. (ABSTRACT).

J P Hollis M S Embabi S A Alhassan Phytopathology 58(6):728-729

Jun 1968 464.8 P56

Agar, Criconemoides, Meloidogyne incognita, Plant nematodes, Soil-borne plant diseases.

14511-69

INFLUENCE OF ZYGOTYLENCHUS GUEVARAI (TOBAR JIMENEZ, 1963) BRAUN AND LOOF, 1966, ON SOME OF ITS HOSTS. (SP)

A T Jimenez D G Benitez C M Sierra

Rev Iberica Parasitol 28(2,APR-JUN):177-187 Jun 1968 436.8 R32

Alfalfa, Plant nematode resistance, Plant nematodes, Viola, White clover, Zygotylenchus. English abstract

14512-69

CONTROL OF CITRUS NEMATODE, TYLENCHUS SEMIPENETRANS, WITH DBCP IN ESTABLISHED CYPRUS CITRUS GROVES.

Plant Dis Rep 53(10):804-806

Oct 1969 1.9 P69P

Chemical control (nematodes), Citrus, Cyprus, Dibromo-3-chloropropanc, 1,2-, Plant nematodes, Tylenchulus semipenetrans.

EFFECT OF HETERODERA SCHACHTII ON SUGAR BEET SEEDLINGS UNDER MONOX-ENIC CONDITIONS.

A G Polychronopoulos B F Lownsbery

Nematologica 14(4):526-534 REF

1968 436.8 N342

Germ-free life, Heterodera schachtii, Plant nematodes, Plant physiology, Seedlings, Sugar beets.

PRESENT KNOWLEDGE ON PHYTOPHAGOUS NEMATODES AND THEIR RELATIONS WITH VIRUS DISEASES. (FR)

Ann Epiphyt 18(2):249-272 REF

1967 464.9 F84AN

Longidorus, Nematodes, Plant protection, Trichodorus, Virus diseases (plants), Xiphinema. Nematodes, Plant protection, English summary

14515-69

UNDERPOPULATION IN PLANT PARASITIC NEMATODES.

J W Seinhorst

Nematologica 14(4):549-553

1968 436.8 N342

Fusarium oxysporum, Peas, Plant nematodes, Population, Rotylenchus.

ECONOMICALLY IMPORTANT NEMATODES IN ONTARIO--1966.

J L Townshend

Entomol Soc Ontario Proc 97:5-6

1966 420 ON8

Agricultural economics, Greenhouse culture, Ncmatodes, Research, Soil analysis, Tobacco.

WEEDS

14517-69

SECONDARY EFFECTS OF FUNGICIDES ON BARLEY, (SP)

L E Chaves E Y Orjuela N

Agr Trop 23(5):319-330 REF

May 1967 26 AG8

Barley, Crop yields, Dithane, Fungicides, Maneb, Plant physiology, Triphenyltin acetate. English ab-

ONION WEED CONTROL ON MALLEE SOILS.

T R Davidson

S Australia J Agr 71(8):290-293

Mar 1968 23 SO84

Alfalfa, Chemical control (weeds), Cultural control (weeds), Eucalyptus, Herbicides, Onions, Perennial plants, Planting, Soils, Spraying, Su-perphosphates, Tillage, Weed control, Wind ero-

14519-69

EFFECT OF SELECTIVE HERBICIDES TO LIQUORICE PLANT GROWING IN CEREAL FIELDS. (TU)

N Dinc M Zel

Bitki Koruma Bulteni 6(3):94-102

1966 464.8 B542

Biochemistry, Chemical control (weeds), Crop yiclds, Field crops, Grain, Herbicides, Methyl-4-chlorophenoxyacetic acid, 2-. English summary

14520-69

MONOLINURON IN INCREASE OF GRAIN. (GE)

K Fritzsch

Gesunde Pflanzen 19(8):154-156

Aug 1967 464.8 G33

BIBLIOGRAPHY

14521-69

Chemical control (weeds), Crop yields, Grain, Herbicides, Monolinuron, Simazine, Weed control, Weeds

COLTSFOOT CONTROL WITH 2,4-DP ON THE STUBBLE. (GE)

K Fritzsch

Gesunde Pflanzen 19(5):97-100

May 1967 464.8 G33

Amitrole, Chemical control (weeds), Dichlorprop, Herbicides, Mecoprop, Stubble crops, Tussilago

14522-69

WATER HYACINTH AND ITS CONTROL.

M N Hari

Pesticides 1(9):28-29

May 1968 SB951.P43

Chemical control (weeds), Costs, D, 2,4-, Eichhornia crassipes.

14523-69

DEVELOPMENT OF CORN-GROWING ALONG THE RHEIN THROUGH USE OF GROWTH PRODUCING HERBICIDES. (GER)

R J Haupt

Gesunde Pflanzen 19(7):140-142

Jul 1967 464.8 G33

Chemical control (weeds), Corn, D, 2,4-, Herbicides, Methyl-4-chlorophenoxyacetic acid, 2-, Phenoxy acid compounds, Plant regulators, Weather, Weeds.

POSSIBILITIES OF WEED CONTROL IN CORN WITH ATRAZINE, TAKING SPECIAL NOTE OF THE CONTROL OF COUCH-GRASS, WILD OATS AND OLDER WEEDS. (GE)

K Hiebel

Gesunde Pflanzen 20(4):89-91

Apr 1968 464.8 G33

Atrazine, Biochemistry, Chemical control (weeds), Corn, Dosage, Herbicides, Oats, Spraying, Weeds.

14525-69

CONTROL OF WEED GRASS. (GE)

A V Horn

Gesunde Pflanzen 19(5):100-106

May 1967 464.8 G33

Avena fatua, Calcium nitrate, Chemical control (weeds), Corn, Crop losses, Crop yields, Grasses, Herbicides, Production economics, Simazine, Triallate.

14526-69

EXPERIENCES WITH **PATORAN** (METABROMURON) ON WEED CONTROL IN BEAN SHRUBS. (GE)

V O Hornig

Gesunde Pflanzen 20(3):46-50

Mar 1968 464.8 G33

Arctium, Beans, Centaurea cyanus, Chemical control (wecds), Herbicides, Metobromuron, Plant biochemistry, Shrubs, Toxins.

CORN DAISIES AND THEIR CONTROL.

V W Ihlemann

Gesunde Pflanzen 19(5):107-109

May 1967 464.8 G33

Bis(((3,5-dimcthylmorpholino)carbonyl)methyl)-4,4'-bipyridin i, Chemical control (weeds), Chrysanthemum segetum, Marshes, Methyl-4-chlorophenoxyacetic acid, 2-, Phenoxy acid compounds

14528-69

IMPROVED MET HOD FOR WEED CONTROL POTATOES ON EXTREMELY MARSHY DIL. (TEST EXPERIENCES IN UPPER BAVARIA 1965-67). (GE

H Kccs E J Wendland

Gesunde Pflanzen 20(5):93,96

May 1968 464.8 G33

Biochemistry, Chemical control (weeds), Herbicides, Marshes, Methodology, Plant physiology, Potatoes, Spraying.

14529-69

SIMULTANEOUS CONTROL OF APERA SPICA VENTI AND BROAD LEAF WEEDS THROUGH SOIL HERBICIDES. (TEST RESULTS IN UPPER BAVARIA 1965-1967). (GE)

H Kccs E J Wendland

Gesunde Pflanzen 20(4):80-84

Apr 1968 464.8 G33

Apera spica-venti, Biochemistry, Chemical control (weeds), Crop yields, Herbicides, Statistical analysis, Tables (data), Wheat.

14530-69

CHEMICALS THAT SHOW--CROPS' CO-EX-ISTENCE WITH WEEDS IS NOT NECESSARY. V S Mani

Indian Farming 16(10):30-31

Jan 1967 22 IN283

Chemical control (weeds), Crop yields, Methyl-4-chlorophenoxy)butyric acid, 4-(2-, Propazine, Simazine, Weed control.

Chemical control of weeds in various crops in India are listed.

14531-69

MITES.

F Maramoto

Hawaii Anthurium Conf Proc 1:15

Feb 1968 S544.3.H3H3

Anthurium, Brevipalpus obovatus, Brevipalpus phocnicis, Hemitarsonemus latus, Larvae, Leaves, Plant injuries, Rescarch, Tetranychus telarius.

14532-69

WEED CONTROL IN VEGETABLES.

A D Mears

Agr Gaz New S Wales 78(PT 3):160-161

Mar 1967 23 N472

Chemical control (weeds), Crops, Cultural control (weeds), Herbicides, Soil properties.

Selection of herbicides according to soil type, weeds, test crop, seasonal conditions, and residues is discussed.

SOME FACTORS AFFECTING THE DISAP-PEARANCE OF TORDON IN SOIL.

R W Moffat

Down Earth 23(4):6-10 REF SPRING

1968 381 D75

Biochemistry, Biological assay, Chemical control (weeds), Degradation, Dosage, Foliar application, Herbicides, New Zealand, Picloram, Rainfall, Soil leaching, Soil series, Spraying.

PRE-EMERGENCE APPLICATION OF 2,4-D-ESTER TO WHEAT (TRITICUM VULGARE).

P C Nel

S Afr J Agr Sci 10(1):283-284

Mar 1967 24 SU3

Chemical control (weeds), D, 2,4-, Herbicides, Insecticide application, Phenoxy acid, Preemergence, Wheat.

GENERAL NON-SELECTIVE WEED CONTROL WITH MONOSODIUM ACID METHANE ARSONATE (MSMA) BASED MIXTURES IN RUBBER PLANTATIONS.

Rubber Res Inst Malaya Plant Bull (95):52-55

Mar 1968 78.9 R825

Arsenic compounds, Catalogs, Chemical control (weeds), Herbicides, Hevea.

14536-69

DEVELOPMENTAL TRENDS IN THE CHEMI-CAL CONTROL OF WEEDS IN BEETS. (GE)

H Schmidt J Meyer

Gesunde Pflanzen 20(3):58-60,62-64

Mar 1968 464.8 G33

Bcets, Chemical control (weeds), Herbicides, Humus, Methyl m-hydroxycarbanilate, Pesticide application, Propynyl N-phenylearbamate, Spraying, Triallate.

14537-69

STAM F-34 CAN KILL THE WEEDS OF GORA PADDIES.

M S Subba Rao P C Agrawal

Indian Farming 16(4):6,37

Jul 1966 22 IN283

Chemical control.(wceds), Crop yields, Herbicides, Rice, Stam, Weed control.

14538-69

SYSTEMATIC WEED CONTROL IN GRAPE CULTURE. RESULTS OF A FIRST FOUR YEAR PERIOD OF EXPERIMENTATION. (IT)

F Valenza

Giornate Fitopatol 551-556 REF

26 Mar 1967 SB599.G5

Chemical control (weeds), Diuron, Grape vineyards, Paraquat.

14539-69

THE CONTROL OF WILD FOXTAIL GRASS IN WINTER WHEAT AS WELL AS THE PREVEN-TION OF WEATHER TRODDEN GRAIN. (GE)

Gesunde Pflanzen 19(5):109-110

May 1967 464.8 G33

Alopecurus, Chemical control (wecds), Cycocel, Grain, Herbicides, Plant injuries, Plant protection, Storage, Triazine, Urea, Weather, Wheat.

OTHER PESTS

14540-69

THE ECONOMIC INCIDENCE OF FIELD VOLE CONTROL IN FRANCE.

L Bouyx

Int Conf Rodents Rodenticides (SER A)(41):93,95,97

Jan 1967 OL1.152

Crop losses, Economics, Field mice, Pest control, Plant injuries, Plant protection. Original Fr.- pages 92,94,96.

14541-69

MUSK, BROWN RATS AND HARVEST MICE AS PESTS IN MAIZE. (GE)

H Engel

Gesunde Pflanzen 20(3):41-46

Mar 1968 464.8 G33

Atrazine, Chemical control (pests), Corn, Digitaria sanguinalis, Economics, Field crops, Grain, Harvest mice, Muskrats, Panicum, Rats, Rodenticides, Simazine, Spraying, Wildlife pests.

RIDDING RICE FIELDS OF RATS.

C Ramakrishnan V Jayaraman B Velayutham Indian Farming 16(7):25,27,52

Oct 1966 22 IN283

Animal traps, Chemical control (pests), Crop yields, Parathion, Rats, Rice.

14543-69

THE CAUSES AND DYNAMICS OF POPULA-TION EXPLOSIONS OF M. ARVALIS: A SUR-VEY OF CURRENT FRENCH RESEARCH.

Int Conf Rodents Rodenticides (SER A)(41):97,99,101,103,105

Jan 1967 QL1.152 Population, Research, Surveys. Original Fr.-96,98,100,102,104.

14544-69

COMMENTS ON RAT-FREE TOWNS.

H Wichmand

Int Conf Rodents Rodenticides (SER A)(41):89,91 Jan 1967 QL1.152

Pest control, Public health, Rats, Research. Original Fr.- pages 88,90.

YEARS' RESEARCH WITH FIVE HATCHERY SANITATION PROGRAM

H L Chute M Gershmann E S Barden Maine Agr Exp Sta Bull (661):25P

Jul 1968 100 M28S (1)

Bacteria, Chicks, Eggs, Equipment, Fungi, Microbiology, Microorganisms, Poultry hatcherics, Poultry industry, Research, Sanitation.

14546-69

TUBERCULOSIS IN THREE HERDS WITH AC-CESS TO THE SAME OPEN SEWER.

R Ford

State Vet J 19(57):216-225

Scp 1964 SF601.S8

Cattle, Dairy farms, Research, Sewage, Tuberculosis, Water pollution.

PIPERAZINE-CARBON DISULFIDE COMPLEX. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

H L Ley

Fed Regist 33(240):18408-18409

11 Dec 1968 L1.451

Accident prevention, Biochemistry, Carbon disulfide, Dosage, Drug therapy, Piperazine, Research, Veterinary medicine.

14548-69

THE INSECT ECOLOGY OF OLD-FIELD RED PINE PLANTATIONS IN CENTRAL ONTARIO, I. DESCRIPTION OF THE STUDY AREA. III. SOIL-SURFACE FAUNA AS INDICATORS OF STAND CHANGE.

J L Martin

Entomol Soc Ontario Proc 95:70-102 REF 1966 420 ON8

Arthropoda, Histology, Insect ecology, Pinus, Plant physiology, Research, Sampling (statistics), Soil

14549-69

LEBANON.

C N Saunders

State Vet J 19(57):226-229

Sep 1964 SF601.S8

Geography, Poultry, Research, Veterinary labora-

14550-69

ARE SCARECROWS USEFUL AGAINST BIRD DAMAGE.

H Schonbeck

Pflanzenarzi 21(4):48

01 Apr 1968 464.9 P482

Birds, Crows, Harvesting, Phosphorus, Seed plant-

14551-69

SPEED THE KEY TO PRESERVING HIDES.

G W Vivian

Spur 1(2):35,37

Nov 1967 S544.5.A83S6

Agricultural industries, Bacteria, Bactericides, Boric acid, Brining, Calcium phosphates, Curing, Drying, Freeze drying, Hides, Naphthalenc, Storage.

DISEASES

14552-69

A STUDY OF CONTAGIOUS CAPRINE PLEU-ROPNEUMONIA.

A E D Abdulla E P Lindley Bull Epizoot Dis Afr 15(4):313-315

Dec 1967 41.8 B872

Bacteriology, Cattle, Contagious bovine pleurop-neumonia, Etiology, Goats, Infectious diseases, Livestock diseases, Mycoplasma mycoides, Sheep.

14553-69

ISOLATION OF BUNYAMWERA-GROUP VIRUSES FROM WISCONSIN MOSQUITOES. R O Anslow W H Thompson P H Thompson G R

Defoliart O Papadopoulos Et Al Amer J Trop Med Hyg 18(4,PT 1):599-608

Jul 1969 448.8 AM326

Aedes, Bunyamwera viruses, Hemagglutination-inhibition test, Mansonia, Micc, Ncutralization test, Surveys.

14554-69

BOVINE VIRUS DIARRHEA IN ITALY. II. REPRODUCTION OF THE DISEASE.

G Avellini G Castrucci B Morettini V Cilli Arch Gesamte Virusforsch 24(1-2):65-75 REF Jun 1968 448.3 AR23

Antigens, Bovine virus diarrhea virus, Cattle, Poxviruses, Virus diseases (animals), Virus production.

14555-69

ISOLATION AND CHARACTERIZATION OF MYCOPLASMA ARGININI: SPEC. NOV.

M F Barile R A DelGiudice T R Carski C J Gibbs J A Morris

Soc Exp Biol Med Proc 129(2):489-494 REF Nov 1968 442.9 SOI

Culture Bacteria, media, Mycoplasma, Mycoplasma arginini, Physiology, Taxonomy.

IDENTIFICATION OF HOG-CHOLERA VIRUS IN FROZEN PORK IMPORTED FROM CHINA.

C Battelli G Caporale F Gramenzi E Nardi Vet Ital 18(11-12):658-668

Nov 1967 41.8 C87

Food contamination, Foreign trade, Frozen food, Hog cholera virus, Livestock discases, Pork, Swine, Virus diseases (animals).

AN OUTBREAK OF PHOTOSENSITISATION IN KARAMOJONG SHEEP AT ENTEBBE.

O Bwangamoi

Bull Epizoot Dis Afr 15(4):379-388

Dec 1967 41.8 B872

Animal histology, Buckwheat, Hypericum, Lantana camara, Photosensitization, Sheep.

14558-69

ISOLATION OF TOXOPLASMA GONDII FROM SWINE AND CATTLE. FOLLOWING PESTI-CIDE TREATMENTS.

G Catar L Bergendi R Holkova J Parasitol 55(5):952-955 REF

Oct 1969 448.8 J824

Azinphosethyl, Brain, Cattle, Livestock diseases, Muscles, Necrosis, Nitrogen, Peaches, Pesticides, Plant physiology, Sugars, Swine, Thiocarbamates, Toxoplasma gondii, Ziram. English abstract.

A HISTOLOGICAL STUDY OF THE EFFECTS OF ENZOOTIC ABORTION OF EWES VIRUS IN THE LACTATING BOVINE MAMMARY GLAND.

A H Corner G L Bannister D P Hill

Can J Comp Med Vet Sci 32(1):372-381

Jan 1968 41.8 C162

Abortion, Animal histology, Cattle, Immunization, Lactation, Livestock diseases, Mammary glands, Mastitis, Necrosis, Sheep, Udders, Virus diseases (animals).

IDENTIFICATION OF AEROMONADS IN FURRED ANIMALS. (DA)

H K Dahle K Nordstoga Acta Vet Scand 9(1):65-70

1968 41.8 AC87

Aeromonas, Agar, Animal diseases, Bacteria, Enzymes, Fur-bearing animals, Infectious diseases, Injections, Serum. Norwegian and German summa1456 I-69

TITRATION OF SALMONELLA ABORTUS-OVIS STRAINS WITH CHICK EMBRYOS AND WHITE MICE.

R Dhawedkar G Kamburov N Mancheva Bulg Akad Nauk Dokl 21(5):501-503

1968 512 SO2

Animal diseases, Chicks, Embryology, Listeria monocytogenes, Mice, Salmonella abortusovis, Volumetric analysis.

14562-69

AN OUTBREAK OF ANTHRAX IN MINK.

B Dick R Macrae

State Vet J 19(57):214-215

Sep 1964 SF601.S8

Anthrax, Antibiotics, Diet, Minks, Research.

RELATIONSHIP OF ELECTROPHORETIC MO-BILITY TO THE SIALIC ACID CONCENTRA-TION OF ERYTHROCYTES IN BOVINE ANAPLASMOSIS.

A R Dommert G T Dimopoullos

Amer J Vet Res 28(125):1173-1177 REF

Jul 1967 41.8 AM3A

Anaplasmosis, Biochemistry, Cattle, Electrophoresis, Erythrocytes, Sialic acids.

SEROLOGIC DIAGNOSIS OF COLORADO TICK FEVER. A COMPARISON OF COMPLE-MENT-FIXATION, IMMUNOFLUORESCENCE, AND PLAQUE-REDUCTION METHODS.

R W Emmons D V Dondcro V Devlin E H Lennctte

Amer J Trop Med Hyg 18(5):796-802

Sep 1969 448.8 AM326

Colorado tick fever virus, Diagnosis, Immunofluorescence, Plaque, Serological tests.

OCCURRENCE OF TICK-BORNE EN-CEPHALITIS VIRUS NEUTRALIZING AN-TIBODY IN AQUATIC BIRDS IN CENTRAL EU-ROPE.

E Ernek O Kozuch K Hudec S Urban Acta Virol 11(6):562

Nov 1967 448.3 AC85

Antibodies, Aquatic birds, Encephalitis, Insect vectors, Ixodides, Virus diseases (animals).

FIBRINOGEN CONTENT AND FIBRINOLYTIC ACTIVITY OF PLASMA FROM DOGS INFECTED WITH LEPTOSPIRA CANICOLA. DR Finco DG Low

Amer J Vet Res 29(10):2037-2040 REF Oct 1968 41.8 AM3A

Dogs, Fibrinogen, Leptospira canicola, Metabolism, Serological tests.

EFFECT OF BOVINE COCCIDIOSIS ON BLOOD SERUM SODIUM AND POTASSIUM LEVELS OF CALVES.

P R Fitzgerald

Amer J Vet Res 28(124):667-670

May 1967 41.8 AM3A

Blood chemistry, Blood serum, Calves, Coccidiosis, Eimeria, Potassium, Sodium.

14568-69

THE PREVALENCE OF BABESIA BOVIS (BABESIA ARGENTINA) IN THE BRAINS OF SLAUGHTER CATTLE IN NORTHERN NIGERIA.

C Folkers H Kuil N M Perie

Bull Epizoot Dis Afr 15(4):359-360

Dec 1967 41.8 B872

Anemia, Animal physiology, Babesia argentina, Babesia bigemina, Babesia bovis, Brain diseases, Cattle, Erythrocytes, Fever, Hemoglobinuria, Insect vectors, Ixodes ricinus, Livestock diseases, Piroplasmosis, Protozoa, Slaughtering.

TRANSMISSION OF ATTENUATED AND VIRU-LENT BLUETONGUE VIRUS WITH CULI-COIDES VARIIPENNIS INFECTED ORALLY VIA SHEEP.

N M Foster R H Jones A J Lucdke Amer J Vet Res 29(2):275-279

Feb 1968 41.8 AM3A

Bluctonguc virus, Culicoides, Disease transmission, Epizootic diseases, Sheep.

PLAQUE CHARACTERISTICS OF FOUR CLASSES OF BOVINE VIRUSES.

J B Gratzck R F Rosenbusch G M Buening

Amer J Vet Res 28(124):641-646

May 1967 41.8 AM3A

Bovine enteroviruses, Bovine rhinovirus, Bovine virus diarrhea virus, Methodology, Parainfluenza-3 virus, Plaque assay.

14571-69

SPINY BURR GRASS--A SERIOUS AND IN-CREASING PROBLEM.

K R Green

Agr Gaz New S Wales 78(PT 10):578-579

Oct 1967 23 N472

Cattle, Cenchrus pauciflorus, Injuries, Pastures, Weeds.

Warnings to check for spiny burr grass, Cenchrus pauciflorus an injurious grass of cattle pastures in Australia are given.

14572-69

FURUNCULAR TUMBU FLY MYIASIS OF MAN IN GABON, EQUATORIAL AFRICA.

S Gunther

J Trap Med Hyg 70(7):169-174 REF

Jul 1967 448.8 J827

Animal discases, Cordylobia anthropophaga, Diptera, Furunculosis, Immunity, Insect vectors, Myiasis, Tropical medicine.

14573-69

STUDIES ON A NEW INTRAMUSCULAR HAE-MATINIC FOR PIGLET ANAEMIA. (DA)

K G Hogberg S Lindvall K Orth B Thafvelin K Uthne

Acta Vet Scand 9(1):10-32 REF

1968 41.8 AC87

Absorption, Anemia, Baby pigs, Citric acid, Deficiency diseases, Dextrins, Drug therapy, Erythrocytes, Glucitol, Heme, Hemoglobin, Iron, Lactic acid bacteria, Livestock diseases, Muscles, Serum, Swine. Gcrman summary

14574-69

EQUINE PIROPLASMOSIS: INTRAERYTHRO-CYTIC DEVELOPMENT OF BABESIA CABAL-(NUTTALL) AND BABESIA (LAVERAN).

A A Holbrook A J Johnson P A Madden Amer J Vet Res 29(2):297-303 REF Fcb 1968 41.8 AM3A

Babesia caballi, Babcsia cqui, Erythrocytes, Horscs, Life cycle, Piroplasmosis.

GEOGRAPHICAL DISTRIBUTION MAPS OF ANIMAL DISEASES IN AFRICA, 1966.

Bull Epizoot Dis Afr 15(4):411-414 REF MAP Dcc 1967 41.8 B872

Livestock diseases, Lumpy skin disease, Salmonellosis, Tuberculosis, Zoogeography.

ATTENUATION OF HOG CHOLERA VIRUS IN THE CARRIER CELL STRAINS ESTABLISHED FROM KIDNEYS OF PIGS EXPERIMENTALLY INFECTED WITH THE VIRULENT VIRUS.

H Izawa M Sockawa

Amer J Vet Res 28(127).1661-1669

Nov 1967 41.8 AM3A

Hog cholera virus, Immunization, Kidneys, Swine, Tissuc culture.

14577-69

LOCOWEED POISONING.

L F James W Binns

Amer J Vet Res 28(125):1107-1110 REF Jul 1967 41.8 AM3A

Aminotransferases, Astragalus, Blood proteins, Liver, Poisonous plants, Sheep.

BRUCELLOSIS VACCINATION IS NOW COM-PULSORY.

S Jamicson

New Zeal J Agr 114(1):11-13

Jan 1967 23 N48J

Brucella abortus vaccines, Cattle, Immunization, Legislation.

The author discusses the law requiring all New Zcaland farmers to vaccinate their cattle against brucellosis, including equipment and techniques to be employed.

14579-69

SEX DI FFERENCES IN EMBRYONIC RESPONSE TO EIMERIA TENELLA INFEC-EMBRYONIC

T K Jeffers G E Wagenbach J Parasital 55(5):949-951 REF

Oct 1969 448.8 J824

Chicks, Cytoplasm, Eimeria tenella, Embryos, Hemagglutination, Insect biochemistry, Insect diseases, Insect histology, Mortality, Polyhedroses, Poultry diseases, Bombyx mori, Viruses.

14580-69

THE PROTECTION OF A SMALL GROUP OF NIGERIAN TRADE CATTLE TRYPANOSOMIASIS USING SAMORIN. FROM

W J Jones-Davies

Bull Epizoot Dis Afr 15(4):323-335

Dec 1967 41.8 B872

Cattle, Drug therapy, Glossina morsitans, Glossina palpalis, Glossina tachinoides, Insect vectors, Isometamidium chloride, Livestock diseases, Microfilariae, Piroplasmosis, Trypanosoma brucei, Trypanosoma congolense, Trypanosoma vivax, Trypanosomiasis.

14581-69

ARBOVIRUS STUDIES IN THE OHIO-MISSIS-SIPPI BASIN, 1964--1967. I. INTRODUCTION. R H Kokernot C A Brandly

Amer J Trap Med Hyg 18(5):743-749 MAP REF Sep 1969 448.8 AM326

Arboviruses, Birds, Culicidae, Hemagglutination, Surveys.

ARBOVIRUS STUDIES IN THE OHIO-MISSIS-SIPPI BASIN, 1964--1967. VII. LONE STAR VIRUS, A HITHERTO UNKNOWN AGENT ISO-LATED FROM THE TICK AMBLYOMMA AMERICANUM (LINN.).

R H Kokernot C H Calisher L J Stannard J Hayes Amer J Trap Med Hyg 18(5):789-795 REF Sep 1969 448.8 AM326

Amblyomma americanum, Antibodics, Arboviruscs, Sodium deoxycholate, Surveys, Virolo-

14583-69

ARBOVIRUS STUDIES IN THE OHIO-MISSIS-SIPPI BASIN, 1964--1967. V. TRIVITTATUS AND WESTERN EQUINE ENCEPHALO-MYELITIS VIRUSES.

R H Kokernot J Hayes D H M Chan K R Boyd Amer J Trop Med Hyg 18(5):774-778 REF Sep 1969 448.8 AM326

Antibodies, Arboviruses, Surveys, Western equine encephalomyelitis virus.

A CASE OF OVINE DERMATOMICOSIS PRODUCED BY TRICHOPHYTON VERRU-COSUM. (SP)

M B V Kolar De P C Bonatto De La Plata Univ Nac Fac Cienc Vet Rev 8(18):35-38 REF

Jan 1966 41.9 L313

Fungi, Ringworm, Sheep, Trichophyton verru-cosum. French summary

THE TEMPERATURE REQUIREMENTS FOR INTERFERON PRODUCTION IN CELLS STIMULATED BY NEWCASTLE DISEASE VIRUS OR MICROBIAL AGENTS IN VITRO.

V Lackovic L Borccky D Sikl L Masler S Baver Acta Viral 11(6):500-505 REF

Nov 1967 448.3 AC85

Animal diseases, Antigens, Bacteriology, Candida albicans, Cytology, Escherichia coli, Interferon, Leukocytes, Mice, Microbiology, Newcastle dis-ease virus, Salmonella typhimurium, Temperature, Virology.

14586-69

SOME PHYSICAL PROPERTIES OF PURIFIED NEUROTROPIC FOOT-AND-MOUTH DISEASE

H Liebermann H Gralhcer Acta Viral 12(2):181-182

May 1968 448.3 AC85

Chemical reactions, Foot-and-mouth disease virus, Neurotropic viruses, Physiology, Picornaviruses, Sedimentation, Ultraviolet therapy, Virology, Virus diseases (animals).

14587-69

AN IMMUNITY TEST IN CATTLE TO COMPARE TWO CONTAGIOUS BOVINE PLEUROPNEUMONIA VACCINES.

E P Lindley

Bull Epizaat Dis Afr 15(4):307-311 REF

Dec 1967 41.8 B872

Agar, Bacteriology, Cattle, Contagious bovine pleuropneumonia, Fermentation, Immunity, Infec-tious diseases, Livestock diseases, Mycoplasma mycoides, Vaccines.

SEROLOGICAL RESPONSE IN CATTLE TO EAST COAST FEVER (THEILERIA PARVA IN-FECTION) AS MEASURED BY THE INDIRECT FLUORESCENT ANTIBODY TEST.

K F Lohr J P J Ross

Res Vet Sci 10(5):453-460 REF

Sep 1969 41.8 R312

Antibodies, Antigens, Cattle, Fluorescent antibody technic, Insect biology, Insect taxonomy, Serological tests, Spodoptera, Theileria parva, Zoogeography

14589-69

SOME ASPECTS OF THE ETIOLOGY OF ENZOOTIC ICTERUS (GEELSIEKTE) AND TRIBULOSIS OVIS (GEELDIKKOP).

G N Louw C W P Steenkamp E L Steenkamp S Afr J Agr Sci 10(1):215-228 MAP REF Mar 1967 24 SU3

Jaundice, Liver, Plants, Selenium poisoning, Sheep, Toxicology, Tribulosis.

ANTIBODIES TO LEPTOSPIRAL SEROTYPES IN SERA OF NORTH QUEENSLAND CATTLE. M H Lucas

Queensland J Agr Anim Sci 23(2):309-315 MAP Jun 1966 23 Q37

Antibodics, Cattle, Leptospira, Serological tests, Zoogcography.

ENTEROTOXAEMIA IN SHEEP ON DRY FEED. J F Macadam P T Diplock

Agr Gaz New S Wales 78(PT 12):733-734 Dec 1967 23 N472

Bacterial diseases (animals), Clostridium perfringens, Enterotoxemia, Feed Immunization, Sheep.

Outbreaks of enterotoxcmia in sheep of Australia, the causative agent, Clostridium perfringens, and vaccination procedures are discussed.

14592-69

SKIN DISEASES OF HORSES.

W Marbach

Agr Gaz New S Wales 78(PT 12):738-741

Dec 1967 23 N472

Culicoides, Horses, Mange, Photosensitization, Ringworm, Skin diseases, Urticaria.

Treatment of skin diseases of horses in Australia is discussed.

IN VIVO DEMONSTRATION OF LABILITY OF CHOLERA VIRUS TO LIPOLYTIC AGENTS.

G E McKissick D P Gustafson Amer J Vet Res 28(125):909-914 REF Jul 1967 41.8 AM3A

Chloroform, Ethyl ether, Hog cholera virus, Immunochemistry, Inactivating agents, Lipids.

14594-69

DIAPLACENTARIAN IMMUNITY TO FOOT-AND-MOUTH VIRUS IN NURSING RATS: COR-RELATION AND REGRESSION. (SP)

E S Menchaca A S Sequeira

La Plata Univ Nac Fac Cienc Vet Rev 8(18):13-22 REF

Jan 1966 41.9 L313

Biological transport, Foot-and-mouth disease virus, Immunity, Nursing, Picornaviruses, Placenta, Rats, Virus diseases (animals).

STUDY OF THE PRACTICABILITY OF VARI-OUS DIAGNOSTIC METHODS IN THE DEMONSTRATION OF SWINE FEVER VIRUS OF HIGH AND LOW VIRULENCE IN ORGANS OF EXPERIMENTALLY INFECTED PIGS. (DA)

A Meyling K Schjerning-Thiesen Acta Vet Scand 9(1):50-64 REF 1968 41.8 AC87

Agar, Animal physiology, Complement fixation, Diagnosis, Fluorescent antibody technic, Hog cholera, Injections, Livestock diseases, Swine, Tissue culture, Virus diseases (animals), Viscera. German summary

14596-69

EVOLUTION OF THE ANTIBODY CURVE IN ANIMALS EXPERIMENTALLY INOCULATED WITH A EQUI/URUGUAY/540/63. (SP)

R E S Moreira H C Tosi E F Vallone R M Canto La Plata Univ Nac Fac Cienc Vet Rev 8(18):63-67 REF

Jan 1966 41.9 L313

Agglutination test, Antibodies, Equine influenza viruses, Erythrocytes, Influenza, Injections, Virus diseases (animals). French summary

NAIROBI SHEEP DISEASE: A STUDY OF IT'S PATHOGENESIS IN SHEEP, GOATS AND SUCKLING MICE.

G M Mugera S Chema

Bull Epizoot Dis Afr 15(4):337-354

Dec 1967 41.8 B872

Animal histology, Animal physiology, Erythrocytes, Gastroenteritis, Goats, Hematology, Hemoglobin, Kidneys, Lesions, Leukocytes, Liver, Livestock diseases, Mice, Nairobi sheep disease virus, Pathogenesis, Sheep, Virus diseases

Abstract: In sheep and goats, the glomerulo-tubular nephritis (kidney), hyaline degeneration and frag-mentation of myocardial fibers, and coagulative necrosis of gall bladder were consistent lesions. In mice, liquefactive necrosis characterised by focal cystic areas with haemorrhag -es and lymphocytic infiltration, especially around blood vessels. all these characteristics are of Nairobi Sheep Diseascs in these animals.

PSEUDOMONAS INFECTIONS IN MINK WITH SPECIAL REFERENCE TO PSEUDOMONAS VASCULITIS IN PULMONARY LESIONS. (DA)

K Nordstoga

Acta Vet Scand 9(1):33-40

1968 41.8 AC87

Anemia, Animal histology, Bacteria, Exudates, Hemorrhage, Infectious diseases, Laboratory animals, Leukocytes, Minks, Pseudomonas, Tis-sues, German and Norwegian summaries.

14599-69

EXPERIMENTAL STUDIES ON ASPERGILLO-SIS (I), (JA)

BIBLIOGRAPHY

S Ogawa M Kuroda T Nakajima F Ito M Yamamoto K Tatsuyama

Mycol Soc Jap Trans 8(2):87-91

01 Sep 1967 451 N622

Animal diseases, Aspergillosis, Fungi, Mycology, Mycosis.

HISTOPATHOLOGIC AND HEMATOLOGIC CHANGES IN MORIBUND STAGES OF CHICKS INFECTED WITH T-VIRUS.

L. D. Olson

Amer J Vet Res 28(126):1501-1507

Sep 1967 41.8 AM3A

Chicks, Hematology, Histology, Liver, Mortality, Poultry, Spleen, Virus diseases (animals).

EXPERIMENTAL INACTIVATED-VIRUS HOG CHOLERA VACCINES: INDUCTION PERIOD OF IMMUNITY.

E I Pilchard

Amer J Vet Res 28(125):915-923 REF

Jul 1967 41.8 AM3A

Bordetella, Hog cholera vaccines, Immunity, Inactivating agents, Swine.

VARIABLE RESISTANCE OF COWS TO STREPTOCOCCUS AGALACTIAE MASTITIS. W D Pounden N A Frank J V Bateman J

Blydenstein

Amer J Vet Res 28(127):1735-1742 REF

Nov 1967 41.8 AM3A

Cattle, Immunity, Mastitis, Streptococcus agalac-

14603-69

MULTIPLICATION OF TRIBEC VIRUS IN CHICK EMBRYO CELL CULTURES: CYTOPHATIC CHANGES AND IMMU-NOFLUORESCENCE.

J Rajcani M Gresikova Acta Virol 11(6):527-532

Nov 1967 448.3 AC85

Cells, Chick embryos, Cytology, Fluorescence microscopy, Fluorescent antibody technic, Immunology, Tribec virus, Virology, Virus diseases (animals).

14604-69

LYOPHILIZING FOOT-AND-MOUTH DISEASE VIRUS AT LOW DRYING TEMPERATURE.

H Ramyar E Traub

Amer J Vet Res 28(126):1605-1608 REF

Sep 1967 41.8 AM3A

Drying, Foot-and-mouth disease virus, Lyophiliza-Storage, Temperature, Virus diseases (animals).

14605-69

ANTIBODY IN EXPERIMENTALLY INFECTED SHEEP AND ANTIFOOT-AND-MOUTH DISEASE VACCINES. (SP)

S Rivenson M Segura M M Zakin

La Plata Univ Nac Fac Cienc Vet Rev 8(18):53-

Jan 1966 41.9 L313

Antibodics, Foot-and-mouth disease, Injections, Livestock diseases, Sheep, Vaccines, Virus diseases (animals). French summary

IMMUNOLOGICAL RESPONSE IN COWS TO MYCOPLASMA BOVIGENITALIUM, STRAIN 1836.

D H Roberts

J Hyg 66(4):585-593 REF

Dec 1968 449.8 J82

Cattle, Immunization, Mycoplasma, Serological tests.

14607-69

A COMPARISON OF THE HAEMAGGLUTINA-TION-INHIBITION AND NEUTRALISATION

TEST IN THE ASSAY OF RINDERPEST AN-TIBODIES IN CATTLE.

L W Rowe D Zwart B Kouwenhoven Bull Epizoot Dis Afr 15(4):301-305 REF

Dec 1967 41.8 B872

Antibodies, Biological assay, Cattle, Hemagglutination-inhibition test, Immunochemistry, Livestock diseases, Myxoviruses, Neutralization test, Rin-derpest, Virus diseases (animals).

WARFARIN TREATMENT OF MICE BEARING AUTOCHTHONOUS TUMORS: EFFECT ON SPONTANEOUS METASTASES.

J J Ryan A S Ketcham H Wexler Science 162(3861):1493-1494 REF

27 Dec 1968 470 SCI2

Drug therapy, Lungs, Metastasis, Mice, Mortality, Neoplasms, Warfarin.

VARIFICATION OF ANTIBODIES OF NEW-CASTLE VIRUS IN RATS INOCULATED WITH DIFFERENT TYPES OF EXPERIMENTAL VAC-CINES. (SP

R M Scapin B Epstein

La Plata Univ Nac Fac Cienc Vet Rev 8(18):25-27 REF

Jan 1966 41.9 L313

Antibodies, Injections, Newcastle disease vaccines, Newcastle disease virus, Rats, Vaccines, Virus diseases (animals).

14610-69

EFFECTS OF HUMORAL AND CELLULAR PHASES OF ACUTE INFLAMMATION IN THE BOVINE MAMMARY GLAND ON AEROBACTER AEROGENES INTRODUCED EN MASSE AND ON LEUKOCYTES IN MILK.

O W Schalm J Lasmanis N C Jain Amer J Vet Res 28(126):1251-1256

Sep 1967 41.8 AM3A

Aerobacter aerogenes, Cattle, Immunology, Mammary glands, Mastitis.

RELATIONSHIP OF PLAQUE SIZE AND VIRU-LENCE FOR CHICKENS OF 14 REPRESENTA-TIVE NEWCASTLE DISEASE VIRUS STAINS.

G M Schloer R P Hanson J Virology 2(1):40-47 REF

Jan 1968 QR360.J6

Chickens, Newcastle disease virus, Virus diseases (animals).

14612-69

USE OF SODIUM ALGINATE ADJUVANT IN IMMUNIZATION AGAINST EQUINE INFLUEN-

1 L Shechmeister T Aeschliman W G Kammlade Amer J Vet Res 28(126):1373-1378 REF Scp 1967 41.8 AM3A

Equine influenza, Horses, Immu Methodology, Sodium alginate, Vaccines. Immunization

CONTAGIOUS BOVINE PLEUROPNEUMONIA IN WILDLIFE.

M Shifrine C H Domermuth

Bull Epizoot Dis Afr 15(4):319-321

Dec 1967 41.8 B872

Bacteriology, Complement fixation, Contagious bovine plcuropneumonia, Infectious diseases, Mycoplasma mycoides, Wildlife diseases.

14614-69

COMPARATIVE MORPHOLOGIC FEATURES OF BABESIA CABALLI AND BABESIA EQUI.

C F Simpson W W Kirkham J M Kling Amer J Vet Res 28(127):1693-1697

Nov 1967 41.8 AM3A Babesia caballi, Babesia equi, Electron microscopy, Erythrocytes, Histology, Horses, Piroplasmosis.

HEMAGGLUTINATION AND HEMOLYSIS OF ERYTHROCYTES OF UNRELATED SPECIES

OF ANIMALS BY THE BLACKSBURG STRAIN OF NEWCASTLE DISEASE VIRUS.

M Slifkin L Thompson

Amer J Vet Res 28(124):819-823 REF

May 1967 41.8 AM3A

Erythrocytes, Ferrets, Frogs, Hemagglutination, Newcastle disease virus, Turtles.

MORPHOLOGIC FEATURES OF HAEMOBAR-TONELLA FELIS.

E Small M Ristic

Amer J Vet Res 28(124):845-851 REF

May 1967 41.8 AM3A

Acridine dyes, Blood parasites, Cats, Electron microscopy, Fluorescent antibody technic, Haemobartonella, Histology.

14617-69

VACCINATION AGAINST LEPTOSPIROSIS: PROTECTION OF HAMSTERS AND SWINE
AGAINST RENAL LEPTOSPIROSIS BY
KILLED BUT INTACT GAMMA-IRRADIATED DIHYDROSTREPTOMYCIN-EXPOSED OR LEPTOSPIRA POMONA.

O H V Stalheim

Amer J Vet Res 28(127):1671-1676 REF

Nov 1967 41.8 AM3A

Gamma rays, Hamsters, Immunization, Leptospira pomona, Swine, Vaccines.

14618-69

VARIATIONS IN ISOLATIONS OF PATHOGENIC BACTERIA FROM THE UDDERS OF COWS DURING A SIX-MONTH PERIOD.

W H Thompson B A Houston Australian Vet J 44(2):68-71

Feb 1968 41.8 AU72

Livestock diseases, Mastitis, Staphylococcus, Surveys.

14619-69

VIROLOGICAL, HISTOPATHOLOGICAL AND HISTOCHEMICAL BEHAVIOR OF THE CORIOALANTOIS OF CHICK EMBRYOS IN-WITH OCULATED AEQUI/URU-GUAY/540/1963 VIRUS. (SP)

E F Vallonc R M Canto R E S Moreira H C Tosi C A Bauza

La Plata Univ Nac Fac Cienc Vet Rev 8(18):69-87 REF

Jan 1966 41.9 L313

Chickens, Embryology, Equine influenza viruses, Histochemistry, Histopathology, Influenza, Injections, Virology, Virus diseases (animals). French summary

14620-69

A STUDY OF THE PHYSICAL PROPERTIES OF THE IMMUNIZING ANTIGEN OF FOOT-AND-MOUTH DISEASE VIRUS AND THE EFFECT OF VARIOUS INACTIVATING AGENTS ON ITS STRUCTURE.

T F Wild F Brown

Arch Gesamte Virusforsch 24(1-2):86-103

Jun 1968 448.3 AR23

Antigens, Biophysics, Foot-and-mouth disease virus, Formaldehyde, Immunization, Inactivating agents, Picornaviruses.

14621-69

THE PERSISTENCE OF DRUG RESISTANCE IN STRAINS OF EIMERIA SPECIES IN BROILER CHICKENS FOLLOWING A CHANGE OF COC-CIDIOSTAT.

R B Williams

Res Vet Sci 10(5):490-492

Sep 1969 41.8 R312

Chickens, Coccidiostats, Decoquinate, Drug resistance, Drug therapy, Eimeria, Ichneumonidae, Insect taxonomy, Lepidoptera, Parasitic insects, Poultry diseases.

14622-69

INHIBITION OF HOST-CELL PROTEIN AND RIBONUCLEIC ACID SYNTHESIS BY NEW-CASTLE DISEASE VIRUS. D.E. Wilson

J Virology 2(1):1-6 REF

Jan 1968 QR360.J6

Cells, Newcastle disease virus, Physiology, Proteins, Ribonucleic acid, Virus diseases (animals).

EXPERIMENTAL AEROSAL TRANSMISSION OF YABA VIRUS IN MONKEYS.

L G Wolfe

Diss Abstr Sect B 29(5):1740B

Nov 1968 Z5055.U49D53

Aerosols, Infectious diseases, Monkeys, Neoplasms, Virus diseases (animals), Yaba mon-Monkeys, key tumor virus.

ARTHROPODS

14624-69

FIRST RECORDS OF EYE-FREQUENTING LEPIDOPTERA FROM INDIA.

W Buttiker

Rev Suisse Zool 74(2):389-398 MAP

Sep 1967 410 R324

Eyes, Insect pests, Livestock, Noctuidae, Pyralidae, Surveys, Zoogeography.

CAN YOU AFFORD CATTLE LICE.

F W Evans

Agr Gaz New S Wales 78(PT 6):334-335

Jun 1967 23 N472

Anemia, Cattle, Chemical control (insects), Diagnosis, Haematopinus eurysternus, Linognathus

The life cycle, prevalance, symptoms, diagnosis, and chemical control of lice on Australian cattle are discussed.

14626-69

ASUNTOL AND NEGUVON IN THE FIGHT AGAINST DOG FLEAS. (SP)

J Galofre J Boero C Torrado

La Plata Univ Nac Fac Cienc Vet Rev 8(18):9-12 Jan 1966 41.9 1.313

Chemical control (insects), Coumaphos, Dogs, Insect pests, Insecticides, Organophosphorus compounds, Siphonaptera, Trichlorfon.

14627-69

BIOLOGY OF HYPHANTRIA CUNEA DRURY (LEPIDOPTERA: ARCTIIDAE IN JAPAN. I. NOTES ON ADULT BIOLOGY WITH REFERENCES TO THE PREDATION BY

H Hasegawa Y Ito

Appl Entoniol Zool 2(2):100-110 REF

Jun 1967 SB599.A6

Biological control (insects), Hyphantria cunea, Insect biology, Predatory birds, Research, Weather.

CONTROLLING EXTERNAL PARASITES OF SHEEP.

E.S. Millar

New Zeal J Agr 114(4):16-21,23,25 REF

Apr 1967 23 N48J

Acarina, Anoplura, Calliphoridac, Chemical control (pcsts), Life cycle, Melophagus ovinus, Sheep,

Ectoparasites of sheep in New Zealand are discussed including notes on their biology and means for control.

ECOLOGY OF LICE ON SHEEP, VI. THE IN-FLUENCE OF SHEARING AND SOLAR RADIA-TION ON POPULATIONS AND TRANSMISSION OF DAMALINIA OVIS.

M D Murray

Australian J Zool 16(5):725-738

Nov 1968 410 AU73

Anoplura, Damalinia ovis, Insect ecology, Population, Sheep, Sheep shearing, Solar radiation. Part V. in vol. 11:173-182, 1963

PARASITES

COMPARATIVE ANTHELMINTIC EFFICIENCIES OF PARBENDAZOLE, THIABENDAZOLE, AND PHENOTHIAZINE IN LAMBS.

D.G. Bennett

Amer J Vet Res 29(12):2325-2530

Dec 1968 41.8 AM3A

Anthelmintics, Drug therapy, Haemonchus contortus, Lambs, Nematodirus, Phenothiazine, tus, Lambs, Nematodirus Thiazolyl)-benzimidizole, 2-(4-.

WARBLE FLY LARVAE CONTROL STUDY.

T D Burgess W C Allan J Mozier Entomol Soc Ontario Proc 97:117-120

1966 420 ON8

Cattle, Chemicals, Insect control, Insecticides, Larvac, Oestridae, Research.

EPIZOOTIOLOGIC FACTORS OF FASCIO-LOIDES MAGNA (TREMATODA) IN OREGON AND SOUTHERN WASHINGTON:

V J Dutson J N Shaw S E Knapp Amer J Vet Res 28(124):853-860 MAP REF

May 1967 41.8 AM3A

Epizootic diseases, Fascioloidiasis, Snails, Surveys, Zoogeography.

14633-69

DEVELOPMENT OF CAENORHABDITIS BRIGGSAE AND HYMENOLEPIS NANA IN IN-TERCHANGED MEDIA. FRANCE.

E L Hansen A K Berntzen

J Parasitol 55(5):1012-1017 REF

Oct 1969 448.8 J824

Chemical analysis, Culture media, Helminths, Hymenolepis nana, Insect biology, Insect out-breaks, Macrosiphum avenae, Physiology, Rearing, Wheat, English abstract.

14634-69

KERATO-CONJUNCTIVITIS IN CATTLE IN THE PLATEAU AREA OF NORTHERN NIGERIA. A STUDY OF THELAZIA RHODESII AS A POSSIBLE AETIOLOGICAL AGENT.

M M lkeme Bull Epizoot Dis Afr 15(4):363-367 REF

Dec 1967 41.8 B872

Cattle, Ceratopogonidac, Eyes, Fulani cattle, Haematopota, Helminthiasis, Inscct vectors, Keraloconjunctivitis, Livestock diseases, Microbiology, Microorganisms, Moraxella bovis, diseases, Musca domestica, Parasitism, Simulium, Stomoxys calcitrans, Thelazia rhodesii, Thelaziasis.

THIOD TRIALS ON THE EFFICACY OF THIABENDAZOLE AGAINST HAEMONCHUS CONTORTUS IN WEST AFRICAN DWARF FOREST SHEEP AND GOATS.

M Irfan

Bull Epizoot Dis Afr 15(4):369-371 REF Dec 1967 41.8 B872

Anthelmintics, Dosage, Goats, Haemonchus contortus, Helminthiasis, Livestock diseases, Nematodes, Ovulation, Parasitism, Sheep. Thiabendazole.

Abstract: Thiabendazole at a dosage of 66 or 88 miligrams/kilograms body weight was very effective against natural infestation of Haemonchus contortus in West African dwarf forest sheep and goats.

14636-69

THE CHROMOSOME NUMBERS OF OESOPHAGOSTOMUM COLUMBIANUM CUTICE AND CHABERTIA OVINA FABRICIUS (NEMATODA, STRONGYLATA).

L. F. Le. Jambre

Amer Microscop Soc Trans 87(1):105-106 Jan 1968 440.9 AM33

Chabertia ovina, Chromosomes, Methodology, Oesophagostomum, Sheep.

FINE STRUCTURE OF THE INTESTINAL EPITHELIUM OF DIROFILARIA IMMITIS AND CHANGES OCCURRING AFTER VERMICIDAL TREATMENT WITH CAPARSOLATE SODIUM.

C.C. Lee J.H. Miller

J Parasitol 55(5):1035-1045 REF

Oct 1969 448.8 J824

Arsenamide, Bacillus thuringicnsis, Bcauveria bassiana, Biological control (insects), Cytology, Dirofilaria immitis, Electron microscopy, Insect

14638-69

FINE STRUCTURE OF LEUKOCYTES ADHER-ING TO THE CUTICLE OF ASCARIS SUUM LARVAE. II. POLYMORPHONUCLEAR LEU-KOCYTES.

D J Morseth E J L Soulsby J Parasitol 55(5):1025-1034 Oct 1969 448.8 J824

Acarina, Ascaris lumbricoides suum, Brevipalpus, Cell nucleus, Chemical control (insects), Cuticle, Cytology, DDT, Eriophyidae, Insecticide resistant insects, Larvae, Leukocytes, Ornamental plant culture, Polymorphism, Rhizoglyphus echinopus, Tarsonemidae, Tetranychidae.

14639-69

PULMONARY DISEASE IN KENYA SHEEP.

M Murray

Bull Epizoot Dis Afr 15(4):355-357

Dec 1967 41.8 B872

Cysts, Dictyocaulus filaria, Echinococcus granu-losus, Helminthiasis, Livestock diseases, Lungs, Muellerius capillaris, Parasitic bronchitis, Parasitism, Pneumonia, Protostrongylus, Pulmonary adenomatosis, Sheep.

CHARACTERISTICS FOR TWO CLASSES OF EMBRYONIC CELLS IN ONCOSPHERES OF HYMENOLEPIS DIMINUTA STAINED FOR CYTOPLASMIC SUBSTANCES.

R E Ogren

Amer Microscop Soc Trans 87(1):82-97 REF Jan 1968 440.9 AM33

Biochemistry, Cytology, Embryology, Hymenolepis diminuta.

14641-69

THE BASIC CELLULAR PATTERN FOR UN-DIFFERENTIATED ONCOSPHERES HYMENOLEPIS DIMINUTA.

Amer Microscop Soc Trans 87(4):448-463 REF Oct 1968 440.9 AM33

Cytology, Hymenolepis diminuta, Physiology.

LOCALIZATION OF GLYCOGEN IN THE CESTODE, HYMENOLEPIS DIMINUTA.

M Reissig A V Colucci

J Cell Biol 39(3):754-763 REF

Dec 1968 442.8 J828

Cestoda, Electron microscopy, Glycogen, Hymenolepis diminuta, Rats.

14643-69

RESPIRATORY ACTIVITY TRYPANOSOMA LEWISI DURING SEVERAL PHASES OF INFECTION IN THE RAT.

G Sanchez D G Dusanic

Exp Parasitol 23(3):361-370 REF

Dec 1968 436.8 EX7

Antimetabolites, Biochemistry, Infectious diseases, Metabolism, Rats, Respiration, Trypanosoma

14644-69

TRYPANOSOMA LEWISI: **CREATINE** PHOSPHOKINASE, ORNITHINE CARBAMYL TRANSFERASE, ATPASES, PI, AND GLUCOSE LEVELS IN THE RAT HOST.

G Sanchez D G Dusanic Exp Parasitol 23(3):371-378 REF Dec 1968 436.8 EX7

Biochemistry, Enzymes, Infectious diseases, Metabolism, Rats, Trypanosoma lewisi.

I4645-69

BLOOD CHEMICAL AND CELLULAR CHANGES IN CANINE DIROFILARIASIS.

J W Snyder S K Liu R J Tashijan Amer J Vet Res 28(127):1705-1710

Nov 1967 41.8 AM3A

Biochemistry, Blood proteins, Dirofilariasis, Dogs.

14646-69

EFFICACY OF NICLOSAMIDE IN THE TREAT-MENT OF TAENIA TAENIAEFORMIS INFECTIONS IN CATS.

R B Wescott

Amer J Vet Res 28(126):1475-1477

Sep 1967 41.8 AM3A

Cats, Cestoda, Drug therapy, Niclosamide, Taenia taeniaeformis, Taeniasis.

COMMODITY PROTECTION

ARTHROPODS

14647-69

SUSCEPTIBILITY OF 'TAPIOCA MACARONI' TO INSECT ATTACK.

H G Khalsa B S Nigam

Pesticides 1(9):31-33 REF

May 1968 SB951.P43

Cassava, Insect pests, Macaroni, Starches, Stored products. Tapioca macaroni is a commercial product made of cassava starch, peanut and wheat flours.

RODENTS AND OTHER PESTS

14648-69

A NEW IDEA FROM CALIFORNIA--LOLLIPOP BAIT CUBE.

Anonymous

Pest Contr 36(10):30,32,34,36

Oct 1968 449.8 EX8

Animal traps, Baits, Chemical control (pests), Diphacinone, Paraffin wax, Pindone, Rats, Rodent

The use of diphacinone in paraffin wax for rat baits in California is discussed.

MICROBIAL CONTAMINATION

14649-69

WHAT THE SANITARIAN SHOULD KNOW ABOUT STAPHYLOCOCCI AND SALMONEL-LAE IN NON-DAIRY PRODUCTS, II. SAL-MONELLAE.

F L Bryan

J Milk Food Technol 31(5):131-140 REF

May 1968 44.8 J824

Agricultural products, Epidemiology, Feed, Food processing, Livestock, Microbiology, Poultry, Salmonella paratyphi, Salmonella typhimurium, Spraying, Staphylococcus.

PREPARATION OF DEHYDRATED TOMATO POWDER SAMPLES FOR HOWARD MOLD COUNT.

B Krinitz

Ass Offic Anal Chem J 51(1):78-80

Jan 1968 381 AS7

Methodology, Molds, Temperature, Tomatoes.

STUDY OF THE ANTIFUNGAL PROPERTIES OF 8-HYDROXYQUINOLINE TARTRATE.

M N Rotmistrov I A Vasilevskaya E M Skrynik Z A Sukhorukova

Microbiology 37(3,MAY-JUN):377-380

Jun 1968 448.3 M582AE

Cladosporium, Fungi, Fungicides, Hydroxyquinoline, Penicillium, Tartrates, Wine. Russian journal-vol. 37(3):466-470, May-Jun. 1968

ENVIRONMENTAL CONTAMINATION

14652-69

GUIDELINES FOR EVALUATING THE PRO-PERTIES OF PESTICIDES FOR SAFE USE IN THE WILDLIFE ENVIRONMENT.

E E Kenaga

Down Earth 23(4):11-18 SPRING

1968 381 D75

Accident prevention, Air pollution, Animal ecology, Biochemistry, Dosage, Environment, Pesticide application, Pesticide residues, Pesticides, Toxicology, Water pollution, Wildlife.

RESIDUES

14653-69

INFLUENCE OF RESIDUES OF SOME TRIAZINE HERBICIDES UPON WHEAT AND WEEDS IN WHEAT CROPS. (CZ)

T Cincovic B Sinzar

Zastita Bilja 12(91-92):293-304 REF

1966 464.8 Z1

Atrazine, Chemical control (weeds), Herbicide residues, Herbicides, Simazine, Soil properties, Triazine, Weed control, Weeds, Wheat. English summary

14654-69

NOTICE OF WITHDRAWAL OF PETITION RE-GARDING PESTICIDES.

R E Duggan

Fed Regist 33(240):18408

11 Dec 1968 L1.451

Agricultural products, Benzo(b)thiophene-4-ol, Benzothienyl N-methylcarbamate, 4-, Biochemistry, Corn, Feed, Forage plants, Insecticides, Pesticide residues.

5,6-DICHLORO-I-PHENOXYCARBONYL-2-TRIFLUOROMETHYLBENZIMIDAZOLE. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE.

J K Kirk

Fed Regist 34(19):1406

29 Jan 1969 L1.451

Insecticides, Dichloro-1-phenoxycarbonyl-2-trifluoromethylbenzimidazole, 5 ...

SYSTEMIC ACTIVITY OF ZECTRAN, MATACIL AND BIDRIN INJECTED INTO CONIFER TRUNKS.

J E Larson G R Pieper H C Ratsch Pest Mont J 1(2):49-53

Sep 1967 SB951.A1P41

Abies grandis, Biological assay, Chemicals, Choristoneura fumiferana, Coniferae, Dimethylamino)-m-tolyl methylcarbamate, 4-(, Dimethylamino-3,5-xylyl methylcarbamate, 4-, Hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate, 3 -, Insecticides, Organophosphorus compounds, Pesticide residues, Pseudotsuga menziesii, Tables (data).

14657-69

ORGANOCHLORINE INSECTICIDE RESIDUES IN COMPLETE PREPARED MEALS: A 12-IN COMPLETE PREPARED MEALS: A 12-MONTH SURVEY IN S. E. ENGLAND. GEOMETRICAL ISOMERS OF CHRYSANTHEMIC, PYRETHRIC AND RELATED ACIDS AND OPTICAL ISOMERS OF CINEROLONE AND ALLETHROLONE.

RESIDUES

14658-69

A E J McGill J Robinson C Potter Food Cosmet Toxicol 6(1):45-57 REF

Jun 1968 391.8 F73

Acids, Allethrin, Chlorinated hydrocarbons, Chromatography, Dieldrin, DDT, Dysdercus fasciatus, Esters, Food analysis, Insecticide residues, Insecticides, Musca domestica, Pyrethrum, Tenebrio molitor, Toxicology.

14658-69

THE DETERMINATION OF SOME SUB-STITUTED UREA HERBICIDE RESIDUES IN SOIL BY ELECTRON-CAPTURE GAS CHRO-MATOGRAPHY.

C E McKone

J Chromatography 44(1):60-66 REF

14 Oct 1969 475 J824

Chromatography, Electron capture, Herbicide residues, Herbicides, Linuron, Urea herbicides.

DETERMINATION OF INSECTICIDE RESIDUE IN ANIMAL AND PLANT TISSUES, IV: DETER-MINATION OF RESIDUAL AMOUNT OF SU-MITHION AND SOME OF ITS METABOLITES IN FRESH MILK.

J Miyamoto Y Sato S Suzuki Botyu-kagaku 32(4):95-100 REF

Nov 1967 421 B65

Animals, Dimethyl O-(4-nitro-m-tolyl) phosphorothioate, O,O-, Insecticide residues, Metabolites, Milk, Organophosphorus compounds, Plants, Tissues.

TOXICOLOGY

14660-69

EXCRETION OF AFLATOXIN IN A LACTAT-ING COW. DROSOPHILA MELANOGASTER TO ANESTHESIA.

R Allcroft B A Roberts M K Lloyd Food Cosmet Toxicol 6(5):619-625

Dcc 1968 391.8 F73

Aflatoxin, Anesthesia, Biochemistry, Carbon dioxide, Cattle, Drosophila melanogaster, Ethyl ether, Excretion, Insect physiology, Lactation, Milk, Temperature, Urine.

14661-69

TWO CASES OF UREA POISONING IN DAIRY HERDS.

M W Crowe

Mod Vet Pract 49(3):40-41

Mar 1968 41.8 N812

Autopsies, Dairy cattle, Feed toxicity, Microorganisms, Nitrogen, Ruminants, Sheep, Toxicology, Urea

EFFECT OF CARBARYL ON THE NEUROEN-DOCRINE SYSTEM OF RATS, FOODSTUFFS: A MULTI-DETECTION SCHEME FOR GAS CHROMATOGRAPHY OF SOLVENT EX-TRACTS.

A I Shtenberg M N Rybakova

Food Cosmet Toxicol 6(4):461-467 REF

Dec 1968 391.8 F73

Animal physiology, Carbamates, Carbaryl, Chemical analysis, Chromatography, Fumigants, Grain, Insecticides, Methodology, Neurocndocrines, Rats.

METHYL BROMIDE CAN BE DANGEROUS.

G R Simpson

Agr Gaz New S Wales 78(PT 2):113-117

Feb 1967 23 N472

Accidents, Fumigants, Insecticides, Methyl bromide, Toxicology.

AN INTERACTION OF DIELDRIN WITH THIAMINE.

1 J Tinsley

Soc Exp Biol Med Proc 129(2):463-465

Nov 1968 442.9 SOI

Dieldrin, Nutrition, Physiology, Rats, Thiamine.

14665-69

FUNGITOXIC ACTION OF IIIGHER ALKYL COMPOUNDS, I. MECHANISM OF FUNGITOXIC ACTION OF ALKYLPHENOLS.

Y Uesugi K Fukunaga

Phytopathol Soc Jap Ann 33(3):168-175 REF Jun 1967 464.9 P562

Adsorption, Blast, Cells, Fungi, Fungicides, Glucose, Glutamate, Ninhydrin reaction, Organic compounds, Pentachlorophenol, Phenols, Piricularia oryzae, Plant physiology, Plant translocation, Rice, Toxicology, Abstract in Japanese

PLANT PHYSIOLOGY & BIOCHEMISTRY

14666-69

THE RESPIRATION AND FLOWER DEVELOP-MENT OF EVERGREEN AZALEAS AS IN-FLUENCED BY GIBBERELLIN, SCALE SCALE REMOVAL, AND 2,4-DINITROPHENOL.

D J Ballantyne

Can J Bot 46(2):165-168 REF

Feb 1968 470 C16C

Azalea, Biochemistry, Dinitrophenol, 2,4-, Flowers, Gibberellins, Ornamental trees, Plant morphology, Plant respiration.

14667-69

THE SEPARATION OF THE PROTEINS OF WHEAT BY ACRYLAMIDE GEL ELECTROPHORESIS, WITH SPECIAL REFERENCE TO MOTTLED AND UNMOTTLED WHEAT.

J T Barber H L Wood F C Steward

Can J Bot 45(1):5-19 REF

Jan 1967 470 C16C

Acrylamide, Biochemistry, Electrophoresis, Gels, Mottle, Plant physiology, Proteins, Wheat.

EFFECT OF PHYTOTOXINS FROM THE DECOMPOSITION OF ORGANIC MATTER UPON PEANUT SEEDLING EMERGENCE. (AB-STRACT).

H W Boyd

Phytopathology 58(6):726

Jun 1968 464.8 P56

Corn, Greenhouse culture, Peanuts, Plant physiology, Plant residues, Seedlings, Soil amendments, Toxins.

14669-69

BLUE LIGHT PROMOTES SYMPTOM FORMA-TION AND VIRUS MULTIPLICATION IN PLANTS.

R Casper

Virology 34(1):179-181 Jan 1968 448.8 V81

Lighting, Metabolism, Plant physiology, Tobacco, Virus diseases (plants).

14670-69

RELATIONSHIP BETWEEN THE NUMBER OF SUCKERS (TILLERS) AND THE NUMBER OF ADVENTIDIOUS ROOTS DURING THE DEVELOPMENTAL CYCLE OF HARD CORN SENSITIVE TO RADIAL TIPPING AND A RE-PORT CONCERNING THE TREATMENT WITH AUXIN, GIBBERELLIN, ACTIVATORS AND GROWTH INHIBITORS OF THE CCC TYPE. (FR)

H Chlvah

Acad Sci Compt Rend Ser D Sci Nat 266(16, 1ST SEMESTER):1662-1664

17 Apr 1968 505 P21

Chlorocthyl)trimethylammonium chloride, (2-, Corn, Gibberellins, Plant growth inhibitors, Plant physiology, Plant regulators.

MYCOBACTERIUM TUBERCULOSIS MACROPHAGES: EFFECT OF CERTAIN SUR-FACTANTS AND OTHER MEMBRANE-ACTIVE COMPOUNDS.

P D'arcy Hart

Science 162(3854):686-689 REF

08 Nov 1968 470 SCI2

Biochemistry, Cells, Culture media, Macrophages, Permeability, Physiology, Surface-active agents, Tuberculosís.

14672-69

EFFECT OF D-GALALTOSE ON THE ULTRAS-TRUCTURE OF BENTGRASS ROOT APICES.

R M Endo W W Thomson E M Krausman

Can J Bot 46(4):391-395 REF

Apr 1968 470 C16C

Agrostis, Biochemistry, Cells, Galactose, Plant anatomy, Plant growth inhibitors, Plant morphology, Research, Roots.

HORMONES FROM THE FLY AGARIC (AMANITA). (GE)

C H Eugster

Naturwissenschaften 55(7):305-313 REF

Jul 1968 474 N213

Amanita Choline, muscaria. Hormones, Muscarine.

SOME RESULTS FROM ALLIUM TESTS WITH ORGANIC MERCURY HALOGENIDES.

G Fiskesjo

Hereditas 62(3):314-322

1969 442.8 H42

Bromides, Chromosomes, Ethyl chloride, Mercury compounds, Methoxyethylmercury chloride, 2-, Mcthyl chloride, Onions, Organic compounds, Plant genetics.

14675-69

MICROSOMAL N-DEMETHYLATION, BY A COTTON LEAF OXIDASE SYSTEM, OF 3-(4'-CHLOROPHENYL)-1,1-DIMETHYLUREA (MONURON).

D S Frear

Science 162(3854):674-675

08 Nov 1968 470 SCI2

Adenine nucleotides, Biochemistry, Cotton, Enzymes, Herbicides, Leaves, Monuron, Nicotinamide, Oxidases, Plant physiology.

METABOLISM OF AROMATIC COMPOUNDS IN HEALTHY AND RUST-INFECTED PRIMA-RY LEAVES OF WHEAT. II. STUDIES WITH L-PHENYLALANINE-U-14C, L-TYROSINE-U-14C, AND FERULATE-U-14C.

A Fuchs R Rohringer D J Samborski Can J Bot 45(11):2137-2153 REF

Nov 1967 470 C16C

Biochemistry, Cinnamic acid compounds, Metabolism, Phenylalanine, Plant physiology, Radioactive tracers, Research, Rust (wheat), Tyrosine, Wheat.

CALCIUM LOCALIZATION IN HYPOMYCES-INFECTED SQUASH HYPOCOTYLS AND EF-FECT OF CALCIUM ON PECTASE LYASE AND TISSUE MACERATION.

J G Hancock M E Stanghellini Can J Bot 46(4):405-409 REF

Apr 1968 470 C16C

Biochemistry, Calcium, Hypomyces, Pectase, Plant physiology, Squash, Tissues.

IS IT POSSIBLE TO DRAW ANY CONCLUSIONS FROM THE RED EPIDEMIC OF 1967, IN REGARD TO THE APPEARANCE OF THE DISEASE DURING THIS YEAR. (GE)

J Henner

Pflanzenarzi 21(5):69 01 May 1968 464.9 P482

Biochemistry, Copper, Epidemiology, Fungi, Fungicides, Peronospora, Pseudopcziza, Rainfall, Spraying, Temperature.

TIIE FINE STRUCTURE OF HYPHAE OF HEL-MINTHOSPORIUM ORYZAE ITO ET KURIB. AND PYRICULARIA ORYZAE CAVARA. (JA) O Horino S Akai

Phytopathol Soc Jap Ann 34(1):36-39 REF Jan 1968 464.9 P562

Cell nucleus, Cell wall, Cytoplasm, Electron microscopy, Fungi, Helminthosporium oryzae, Hyphae, Lipids, Microbiology, Mitochondria, Plant cytology, Plant discases, Plant physiology, Pyricularia oryzae. Abstract in English

THE INFLUENCE OF CCC ON LODGING AND DEVELOPMENT OF GRAIN.

H Linser

Bodenkultur 19(3):185-212 REF

19 B635

Barley, Grain, Lodging, Oats, Organophosphorus compounds, Plant biochemistry, Plant disease resistance, Plant physiological diseases, Plant regulators, Rye. English summary.

14681-69

THE CYTOLOGY OF INFECTION STRUCTURE DEVELOPMENT IN UREDIOSPORE GERM TUBES OF UROMYCES PHASEOLI VAR. TYP-ICA (PERS.) SWINT.

R Maheshwari A C Hildebrandt P J Allen

Can J Bot 45(4):447-450 REF

Apr 1967 470 C16C

Cytology, Plant physiology, Uredinales, Uromyces phaseoli typica.

THE ERYSIPHE CICHORACEARUM CONIDI-UM.

W E McKeen N Mitchell R Smith Can J Bot 45(9):1489-1496 REF

Sep 1967 470 C16C

Biochemistry, Cell nucle cichoracearum, Plant physiology. nucleus. Erysiphe

CUCUMBER SEX EXPRESSION MODIFIED BY 2-CHLOROETHANEPHOSPHONIC ACID.

A L McMurray C H Miller Science 162(3860):1397-1398

20 Dec 1968 470 SC12

Biochemistry, Breeding, Cucumbers, Halogenated hydrocarbons, Plant physiology, Reproduction, Seeds, Sex determination.

METABOLISM OF GLUCOSE-14C, PYRU-VATE-14C, AND MANNITOL-14C BY MELAMPSORA LINI. II. CONVERSION TO SOLUBLE PRODUCTS.

D Mitchell M Shaw

Can J Bot 46(4):453-460 REF

Apr 1968 470 C16C

Biochemistry, Carbon isotopes, Fungi, Glucose compounds, Mannitol, Melampsora lini, Metabolism, Plant physiology, Pyruvic acid.

NUCLEUS OF FUSION BODY AND INFECTION STRUCTURE PRODUCED BY UREDOSPORES OF THREE RUST FUNGI. (JA)

N Naito T Onoe

Phytopathol Soc Jap Ann 34(2):103-108 REF Mar 1968 464.9 P562

Cell nucleus, Cells, Fungus diseases (plants), Microbiology, Mycology, Plant morphology, Plant physiology, Puccinia coronata, Uredinales, Uro-myces. Summary in English

14686-69

BIOLOGICAL ACTIVITY AND DISSIPATION OF IPC AND CIPC. (ABSTRACT).

J V Parochetti G F Warren

Weed Soc Amer Abstr 1967 MEETING:73-74 1967 241 W41

Biological assay, Buckwheat. Chlorinated hydrocarbons, Chlorpropham, Diffusion, Herbicides, Plant biochemistry, Propham.

14687-69

ON THE OCCURRENCE OF PERIDERM IN THE LEAVES OF WELWITSCHIA MIRABILIS.

Can J Bot 45(9):1469-1471

Sep 1967 470 C16C

Fungus diseases (plants), Lcavcs, Peridermium, Plant physiology.

14688-69

2,4-D,TO RIPEN TOBACCO MAY BE DETRI-MENT TO PRODUCER AND INDUSTRY.

H Seltmann G F Pecdin

Flue Cured Tobacco Farmer 5(6):8-9

Jun 1968 SB273.A1F58

Biochemistry, D, 2,4-, Flue-cured tobacco, Growth factors, Herbicides, Pesticide residues, Plant physiology, Plant regulators, Tobacco.

SOME PHYSIOLOGICAL EFFECTS OF CO-TORAN ON UNICELLULAR ALGAE, (AB-STRACT).

H C Sikka D Pramer

Weed Soc Amer Abstr 1967 MEETING:54

1967 241 W41

Algae, Chlorella, Dimethyl-3-(alpha,alpha,alpha-m-tolyl)urea, 1,1-, Euglena gracilis, Herbicides, Photosynthesis, Plant physiology, Plant respiration.

14690-69

PHYSIOLOGICAL EFFECTS OF TACHLOROBENZYLALCOHOL PLANTS. (JA) ON RICE

H Sumi Y Takahi K Nakagami Y Kondo Phytopathol Soc Jap Ann 33(3):150-155 REF Jun 1967 464.9 P562

Blast, Carbohydrates, Culture media, Fungicides, Nitrogen, Pentachlorobenzyl alcohol, Piricularia oryzae, Plant biochemistry, Plant physiology, Rice, Spraying. Abstract in English

INHIBITORY EFFECT OF PEN-TACHLOROBENZYL ALCOHOL (PCBA) ON SPORULATION OF PIRICULARIA ORYZAE CAVARA. (JA) H Sumi Y Takahi Y Kondo

Phytopathol Soc Jap Ann 34(2):122-128 REF Mar 1968 464.9 P562

Blast, Chemical control (plant diseases), Fungicides, Greenhousc culture, Leaves, Pentachlorobenzyl alcohol, Piricularia oryzae, Plant biochemistry, Plant growth inhibitors, Plant physiology, Plant reproduction, Rice, Seedlings, Spraying, Temperature. Abstract in English

14692-69

CONTROLLING EFFECT OF PEN-TACHLOROBENZYL ALCOHOL ON RICE BLAST. (JA)

H Sumi Y Takahi Y Kondo K Nakagami Phytopathol Soc Jap Ann 34(2):114-121

Mar 1968 464.9 P562

Blast, Chemical control (plant diseases), Dosage, Greenhouse Fungicides, culture, fungicides, Greenhouse culture, Fell-tachlorobenzyl alcohol, Phenylmercuric acetate, Plant biochemistry, Rice, Spraying, Toxicology. Abstract in English.

14693-69

DISCOLORATION OF CHLORELLA CELLS TREATED WITH SEVERAL PESTICIDES-UTILIZATION OF CHLORELLA CELLS FOR THE STUDY OF PESTICIDES. (JA)

K Tatsuyama

Phytopathol Soc Jap Ann 33(3):192-195 Jun 1967 464.9 P562

Algae, Cells, Chemurgy, Chlorella, Color, Dosage, Pesticides, Pigments (plant), Plant biochemistry, Plant physiology.

EXOCELLULAR DEOXYRIBONUCLEASE I OF PENICILLIUM CHRYSOZENUM PART I. PAR-TIAL PURIFICATION AND PROPERTIES OF THE ENZYME.

V L Vinze G R Ambekar V M Doctor Indian J Biochem 2(4):220-224 REF Dec 1965 OP501.148

Deoxyribonucleases, Enzymes, Fungi, Penicillium chrysozenum, Plant biochemistry, Properties, Purification.

14695-69

TWO IMPORTANT DISEASES OF WALNUT TREES. (GE)

G Vukovitis

Pflanzenarzt 21(5):64-65

01 May 1968 464.9 P482

Bacterial diseases (plants), Biochemistry, Blight, Captan, Chemical control (plant diseases), Dodine, Fungicides, Fungus diseases (plants), Gnomonia leptostyla, Spraying, Tree diseases, Walnuts, Xanthomonas juglandis, Zineb.

A MORPHOLOGICAL AND BIOLOGICAL CONCEPT OF THE SPECIES CERATOCYSTIS FIMBRIATA.

R K Webster E E Butler

Can J Bot 45(9):1457-1468 REF

Sep 1967 470 C16C

Biology, Ceratocystis, Ceratocystis fimbriata, Morphology, Plant physiology.

CHEMISTRY

14697-69

STABILITY AND EFFECTS OF SOME PESTI-CIDES IN SOIL.

R Bartha R P Lanzilotta D Pramer Appl Microbiol 15(1):67-75 REF

Jan 1967 448.3 AP5 Carbon dioxide, Chemicals, Microorganisms, Nitrification, Pesticides, Soils, Toxicology.

AFLATOXIN DETOXIFICATION: HYDROX-YDIHYDRO-AFLATOXIN BI.

A Ciegler R E Peterson Appl Microbiol 16(4):665-666 Apr 1968 448.3 AP5 Aflatoxin, Chemistry, Toxicology.

'REDUCED VOLUME' BY HOW MUCH WHY ACTUAL STATE OF AFFAIRS. (FR)

A Fourcaud Phytoma 19(193):15-19

Dec 1967 464.8 P563 Biochemistry, Chemicals, Economics, Oils, Pesticides, Spraying, Toxicology, Volumetric analysis.

KINETIC EVIDENCE OF REVERSIBLE ISO-CHOLINESTERASES BASED ON INHIBITION BY ORGANOPHOSPHATES. (ABSTRACT).

Fed Amer Soc Exp Biol Fed Proc 27(2):590

Mar 1968 442.9 F31P

Acetylcholinesterases, Biochemistry, Blood serum, Diisopropyl fluorophosphate, Diethylamino)ethyl) O,O-diethyl phosphorothioatc hydrogen o, Electrophoresis, Enzymes, Erythrocytes, Horses, Insecticides, Kinetics, Organophosphorus compounds.

14701-69

SYNTHESIS AND REACTIONS OF A PROPOSED DDT METABOLITE, 2,2-BIS(P-CHLOROPHENYL)ACETALDEHYDE.

J D McKinney E L Boozcr H P Hopkins J E Suggs

Experientia 25(9):897-898 REF

15 Sep 1969 475 EX7

Acetaldchyde, Chemical analysis, Chemical structure, Chlorinated hydrocarbons, Chromatography, DDT, Mass spectra, Mctabolitcs, Synthesis.

14702-69

3-(N-FORMYLAMINO)-SALICYLIC ACID -NEW METABOLITE OF STREPTOMYCES AN-TIBIOTICUS.

Z Rehacek S Svarc

Chem Indus (44):1523 02 Nov 1968 382 M31C

Antibiotics, Chemical reactions, Chromatography, Formylamino)-salicyclic acid, 3-(N-, Mctabolites, Salicylic acid, Spectrochemistry, Streptomycin.

14703-69 PREPARATION OF THE NEW FUNGICIDE

HEXIMIDE. S D Volodkovich N N Mel'nikov T K Yudovskaya

J Appl Chem USSR 41(6):1329-1331 Jun 1968 385 Z64AE

Apples, Chemical reactions, Chlorendic anhydride, Distillation, Fungicides, Fungus diseases (plants), Grapes, Hexachloro-N-o-tolyl-5-norbornene-2,3-dicabos, mide, 1, Mildew, Scab, Temperature, Toluene, Translated from Russian.

INDUSTRY REGULATIONS

14704-69

NEW PLANT PROTECTION LAW IS IN FORCE, (GE)

Anonymous

Gesunde Pflanzen 20(6):117,118,120

Jun 1968 464.8 G33

Animals, Import control, Legislation, Plant diseases, Plant pest resistance, Plant protection, Public health. Article states that the text of the law appears in number 2/1968 of the same publication.

14705-69

THE REGULATION OF PESTICIDES IN THE UNITED STATES.

Anonymous

Nat Agr Chem Ass News Pesticide Rev 26(5):3-4 Jun 1968 421 AG8

Agricultural regulation, Pesticide residues, Pesticides, Public health.

14706-69

PLANT PROTECTION CHEMICAL RESIDUES AND FOOD CONSUMPTION, (GE)

H Drees

Gesunde Pflanzen 20(3):53-56,58

Mar 1968 464.8 G33

Economic plants, Food contamination, Food plants, Legislation, Pesticide residues.

14707-69

POTATO WART IN SWEDEN AND NATIONAL MEASURES FOR ITS CONTROL. (SW)

C Holmberg

Swed Stat Vaxtskyddsanst Medd 13(109):327-357 REF

1966 464.9 SW3M

Agricultural regulation, Plant disease control, Potatoes, Wart. German summary

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