

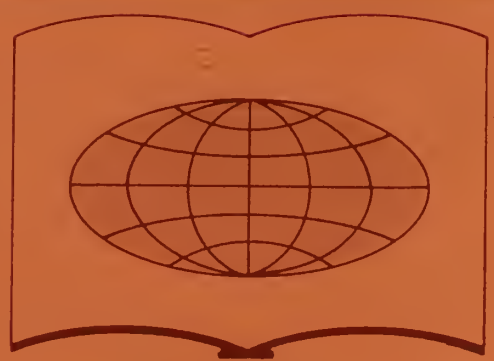
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Pesticides DOCUMENTATION BULLETIN

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Volume 4
JULY 5, 1968

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PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4

July 5, 1968

Number 14

OBJECTIVES AND SCOPE

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

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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

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10 ENTOMOLOGY

Systematics

- 14019-68
A RECORD OF CANOPS FLAVIPES L (DIPT., CONOPIIDAE)
PARASITIZING VESPULA RUFA (L.).
T S Arnold
Entomol Mon Mag 103(1232-1234):70
Jan 1967 421 EN86
Conops flavipes, Parasitic insects, Vespula rufa.
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FOUR NEW SPECIES OF MONOJOURBERTIA FROM ONE SPECIES OF BIRD
(ANALGOIDEA: PROCTOPHYLLODIDAE).
W T Atyeo
Kans Entomol Soc J 40(4):458-465
Oct 1967 420 K13
Birds, Insect taxonomy, Monojoubertia, Parasitic insects.
Abstract
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TWO NEW FEATHER MITE GENERA WITH POLYMORPHIC MALES
(ANALGOIDEA: PROCTOPHYLLODIDAE).
W T Atyeo
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Oct 1967 420 K13
Anisophyllodes, Feathers, Insect taxonomy, Mites, Parasites,
Ptyctophyllodes.
Abstract
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THE FEATHER MITE GENUS LAMINALLOPTES (PROCTOPHYLLODIDAE:
ALLOFTINAE).
W T Atyeo & C Peterson
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Abstract
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J Aubert
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(HYM., EURYTOMIDAE).
R Bailey
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P Belton & D E French
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Dermaptera, Insect taxonomy, Neuroptera, Orthoptera.
Abstract: Two methods were used, phylogenetic ideas and
a strictly phenetic approach. Methods were used with spec-
ial problems arising in comparing higher taxa. Chiefly,
Australian orthopteroids were used. A total of 92 charac-
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Feb 1968 421 C16
Bruchidius ater, Cytisus scoparius, Host specificity,
Insect rearing.
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QUADRIMACULATUS SAY.
S G Breeland & W Glasgow
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Anopheles quadrimaculatus, Insect collecting equipment.
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scribed. In field tests they gave consistently higher
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K C Emsen B D Price
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Abstract: The swarming reaction of adult male Ae. aegypti
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Abstract
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Expeditions, Insect taxonomy, Scoliidae.
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Includes n. sp.
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Includes n. gen., n. spp.
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OCCURRENCE OF TOXORHYNCHITES RUTILUS SEPTENTRIONALIS (DYAR AND KNAE) IN INDIANA.
J W Hart
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Culex pipiens, Feeding, Habitats, Insect biology, Predaceous insects, Toxorhynchites rutilus.
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J E Heath
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Cicadidae, Flight, Insect behavior, Magicicada, Oviposition, Sex behavior, Stridulation, Temperature.
Abstract: Periodical cicadas are basking animals and reach body temperatures exceeding air temperature. They possess behavioral regulatory mechanisms to prevent the body temperature from exceeding about 32 C. They are unable to fly below 20 C. Some activities of cicadas are temperature dependent, notably flight of males, singing and synchronized chorusing. Other activities are relatively more independent, especially flight of females, copulation and oviposition.
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English summary
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B Berting
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Insect traps, Tachinidae.
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L A Battrick
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Insect taxonomy, Lepidoptera.
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T Imamura R Mitchell
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Mar 1967 410 AN79
Arrenurus, Biology, Cercion hieroglyphicum, Hydrachnellae, Taxonomy.
Abstract: Arrenurus mitoensis n. sp. is described and the larvae of that species and A. agrionicolus are discussed. Observations of parasitized hosts show that the larvae are active from May to November and thus there must be two or three life cycles completed per year. At the time of ecdysis of the damselfly host, A. agrionicolus attach to the ventro-lateral membranes of the host abdomen and A. mitoensis attaches on the venter near the leg bases. The latter species will also attack mature damselflies as they rest or oviposit on floating vegetation. No other species of Arrenurus is known to attack hosts after ecdysis.
- 14066-68
DIFFERENCES IN INSECT ABUNDANCE AND DIVERSITY BETWEEN WETTER AND DRIER SITES DURING A TROPICAL DRY SEASON.
D B Janzen T W Schoener
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Z Kaszab
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Expeditions, Meloidae.
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Blackberries, Insect taxonomy, Phytoseius californicus.
- 14071-68
ON THE GENUS RHIPIRUCRUS BRIDWELL, WITH DESCRIPTIONS OF A NEW SPECIES AND A CLOSELY RELATED NEW GENUS (COLEOPTERA: BRUCHIDAE: BRUCHINAE).
J M Kingsolver
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Bruchidae, Insect taxonomy, Pectinibruchus longiscutus, Rhipibruchus.
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NEW PLEAS FROM MADAGASCAR, PARACATENOPSYLLUS RANDRIANASOLOI N SP, P ALRIGNACI N SP AND DINOPSYLLUS TSARATANANAE N SP. (SIPHONAPTERA). (FR)
J M Klein
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Dinopsyllus tsaratananae, Insect taxonomy, Madagascar Republic, Paracatenopsyllus albignaci, Paracatenopsyllus randrianasoloi, Siphonaptera.

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Biology, Boophilus kohlsi, Ixodidae, Larvae, Morphology.
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Z Parasitenk 29(1):46-60
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Mange, Sarcoptes tapiri, Taxonomy, Wildlife.
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INTERESTING CATCHES OF HYMENOPTERA-ACULEATA, CHIEFLY FROM SOUTHERN LIECHTENSTEIN. (DU)
V Lefeber
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A Legrain
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1967 421 T21
Geometridae, Lepidoptera, Macrolepidoptera.
English summary.
Abstract
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MIGRATING LEPIDOPTERA IN 1965. (DU)
R J Lempe
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Insect migration, Lepidoptera.
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BIOLOGICS OF CERCERIS SIMPLEX GRAPRICA AT LAKE TEXOMA (HYMENOPTERA: SPHECIDAE: PHILANTHINAE).
C S Lin
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Cerceris simplex, Insect biology, Insect ecology, Predaceous insects, Sphecidae.
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A COLLAPSIBLE, PORTABLE VEHICLE-MOUNTED INSECT TRAP.
V A Loy C S Barnhart A A Therrien
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Mar 1968 421 M85
Cnclidae, Insect collecting equipment, Insect traps, Vehicles.
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P S Maitland
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Chironomidae, Demeijerea rufipes, Insect taxonomy, Larvae, Pupae.
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PHOTOACTIC RESPONSE OF FIRST-INSTAR LARVAE OF THE PINK HOLLOWMORM TO LIGHT OF DIFFERENT WAVELENGTHS.
C L Mangum W O Ridgway
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Caterpillars, Insect morphology, Nervous system, Prodenia litura, Trichoplusia ni.
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Listrophorus lenckarti, Mites, Rodents, Taxonomy.
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E Mendez
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R I Metcalf
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J E Milstead
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Bcabyx mori, Caterpillars, Insect diseases, Polyhedroses.
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SOME ESCOPTERA FROM PLUMAGE OF BIRDS.
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L E O'Brien
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Caliscelis benellii, Insect biology, Insect taxonomy, Zoogeography.
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TAXONOMY AND DISTRIBUTION OF EUROPEAN AND NEAR EASTERN SPECIES OF THE TABANUS BOVINUS GROUP (DIPTERA, TABANIDAE). (GE)
N G Olsufjev J Houcha M Cavala
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MARKING CULEX PIPIENS LINN. LARVAE WITH VITAL DYES FOR LARVAI ECOLOGICAL STUDIES.
T M Fetters R I Chevone
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J S Pillai F N MacNamara
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Fannia melania, Insect taxonomy.
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C C Porter
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Chrysops hubbardi, Tabanidae.
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F J Radovsky D Stiller R N Johnson C M Clifford
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A NEW SPECIES OF PLEOTRICHOPHORUS FROM BRITISH COLUMBIA (BOMOPTERA: APRIDIDAE).
W R Richards
Can Entomol 100(2):195-197
Feb 1968 421 C16
Aphididae, Insect morphology, Pleotrichoporus.
Abstract
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TWO NEW ERETHAPODITES FROM CAMEROON, APPERTAINING TO THE OEDIPODIUS GRAHAM 1909 GROUP (DIPT. CULCIDAE). (FR)
A Rickenbach L Ferrara J P Boufan
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Culicidae, Eremapodites caillardi, Eremapodites salauni, Insect taxonomy.
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M Schwarz
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Expeditions, Insect taxonomy, Nomada, Nomada lucidula.
English summary.
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F Shalaby M M Ibrahim M Rafez
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Insects, Surveys, Zoogeography.
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OCCURRENCE OF Aedes ABERRATUS (FELT AND YOUNG) AND CULISETA MORSITANS (THEOBALD) IN INDIANA.
R E Siverly
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C N Slobodchikoff
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Grotea californica, Ichneumonidae, Insect ecology, Insect taxonomy, Larvae, Pupae.
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A Smetana
Acta Ent Bohemoslov 64(5):383-391
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Ancyrophobus, Insect taxonomy, Staphylinidae.
Includes A. tatricus and A. rivularis, n. spp., key.
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DOLICHOBOTES NAVEI, A NEW GENUS AND NEW SPECIES OF PYEMOTID MITE (ACARINA: PYEMOTIDAE).
R L Staley
Entomol Soc Wash Proc 69(4):334-337
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Dolichobotes navei, Insect taxonomy, Mites, Pyemotidae.
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THE BIOLOGY AND TAXONOMY OF THE GENUS STYLOGASTER MACQUART, 1835 (DIPTERA: COCOPIDAE, STYLOGASTERINAE) IN THE ETHIOPIAN AND MALAGASY REGIONS.
K G V Smith
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Stylogaster.
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A LIST OF MISSOURI MOSQUITOES.
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Culicidae, Missouri.
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STRUCTURE OF THE LABELLAR CHEMORECEPTORS OF THE HOUSE FLY, MUSCA DOMESTICA VICINA (L.) (DIPTERA: MUSCIDAE).
S A Scliman
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1966 420 E69
Chemoreceptors, Insect anatomy, Mouth, Musca domestica.
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INCIDENTAL CAPTURE OF VERTEBRATE WILDLIFE IN BLACKLIGHT INSECT TRAPS.
P A Stewart & L Bart
Amer Midland Natnr 78(1):235-240 REF
Jul 1967 410 M58
Bats, Birds, Fluorescent lamps, Frogs, Insect traps, Light traps, Vertebrates, Wildlife conservation.
Abstract: Fluorescent blacklight traps, a promising method for aiding in control of some insect pests, caused limited mortality of wildlife when a study was made in North Carolina and Virginia of their effectiveness for controlling tobacco insects. This loss of wildlife might be reduced because traps are customarily placed near human homes to allow easy access to electric power, and thus home occupants can easily give the traps regular attention. Under such circumstances, loss of birds should be negligible. Because people generally have little interest in conserving bats, the limited loss of bats cannot readily be controlled. Bat mortality can be restricted by delaying operation of the traps until after 1 June. Capture of the tree frogs appeared to be fortuitous event.
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A NEW SUBGENUS FOR LEUCOPIS LUTEICORNIS MALLOCH, A PREDATOR OF BEETLE EGGS IN INDIA (DIPTERA: CHAMAENYIIDAE).
G C Steyskal
Entomol Soc Wash Proc 69(3):275-276
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Leucopis (Indioleuccpis), Predaceous insects, Pseudococcidae.
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THREE SPECIES OF CPILIONES FROM NEPAL.
S Shznki
Annot Zool Jap 40(2):115-122 REF
Jun 1967 410 AN79
Phalangida, Taxonomy.
Abstract: The present paper deals with the taxonomy of 3 opilions belonging to the subfam. Gagrellinae of the fam. Leiohannidae, Eupnoi from Nepal, including 2 new species, Verpulus kanoi n. sp. and Adungrella atrorubra n. sp.
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H Szelegiewicz
Acta Zool (Budapest) 13(3-4):433-444
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Aphididae, Insect taxonomy, Semiaphis horvathi.
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Cecidophyes ribis, Cold, Currants, Insect ecology, Mortality, Ovulation, Zoogeography.
German summary
Abstract
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STUDIES ON THE MORPHOLOGY AND RELATIONSHIPS OF MALE APICOMORPHA AND OPISTHOSCELIS (HEMIPTERA: COCCOIDEA).
J G Theron
Australian J Zool 16(1):87-99 REF
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Apicomorpha, Coccoidea, Insect morphology, Opisthoscelis.
Abstract: The males of these genera differ in structure of their abdomens. Both belong to the lecanoid group of the coccoidae. They show some affinity with eriococcidae, especially in structure of genitalia.
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S E Thewke
Kans Entomol Soc J 40(4):583-595
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Beerella petiolaris, Brevipalpus, Insect taxonomy, Tenuipalpidae, Tetranychidae.
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Fed Regist 33(58):4927-4928
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Agricultural products, Heterodera glycines, Interstate commerce, Quarantine, Soils, Soybeans.
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JAPANESE BEETLE. PROPOSED QUARANTINE IN ALABAMA AND CERTAIN OTHER STATES.
Fed Regist 33(58):4927
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Composts, Interstate commerce, Popillia japonica, Quarantine, Roots, Soils.
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GYPSY MOTH AND BROWN-TAIL MOTH. PROPOSED QUARANTINE IN PENNSYLVANIA.
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Interstate commerce, Nygmia phaeorrhoea, Porthetria dispar, Quarantine, Shrubs, Timber, Trees.
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Corn, Grain, Grasses, Interstate commerce, Oulema melanopa, Quarantine.
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T Uyemura
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Anatomy, Chilobrachys, Spiders, Stridulation.
English abstract.
Abstract: The spiders were Chilobrachys andersoni, subfamily Selenocosmiae; description and habits are included.

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ADDITIONAL DATA ON SOME GENERA AND SPECIES OF ACRIDIDAE
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Acrididae.
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ADDITIONS TO THE LIST OF Aedes SPECIES IN PENNSYLVANIA.
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Aedes, Culicidae, Pennsylvania, Zoogeography.
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NEW RECORDS AND A NEW SPECIES OF MESONYSSUS (MESOSTIGMATA:
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J Parasitol 54(2):395-401
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Mesonyssus, Mesonyssus chalcopsittae, Parrots, Taxonomy.
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IXODES DENDROLAGI (METASTIGMATA, IXODIDAE), A NEW SPECIES
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Insect taxonomy, Ixodes dendrolagi, Ixodidae, Kangaroos,
Wildlife.
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Eutogenes punctata, Phoenix dactylifera.
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C E Affeltranger
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Feeding, Methacrylate, Methacrylic acid, Modified wood,
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Carpophilus dimidiatus, Drying, Humidity, Light,
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J U Apablaza A G Robinson
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Acaricides, Patents, Plant pest control, Toluidine compounds.
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Natural control (insects), Tetranychus urticae.
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Antheraea pelyperus, Diapause, Insect mortality.
Abstract

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VEGETATIVE PREDATION ON THE JACK-PINE BUDWORM IN MICHIGAN.

W J Mattson P E Knight D C Allen J L Poltz
J Econ Entomol 61(1):229-234 REF
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Eids, *Choristoneura pinus*, Forest insects,
Insect populations, Mammals, Predatory animals.
Abstract

14229-68

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ELAEPHUS DISCOIDALIS.

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Biochemistry, *Elaeopus discoidalis*, Chromatography, Diet,
Fat body, Fatty acids, Lipids.
Abstract

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PSYLLA, *PSYLLA PYRICOLA*.

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Azinphosmethyl, Ddt, Insecticides, *Psylla pyricola*, *Ryania*.
Abstract

14231-68

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Growth factors, Larvae, Soil moisture, *Tipula oleracea*,
Tipula paludosa, Infr.
German summary
Abstract

14232-68

MORPHOLOGICAL AND BIOLOGICAL INVESTIGATIONS OF CLONES AND
FIELD POPULATIONS OF THE GREEN-LEGGED POTATO AFRID,
ADACCTHEM SOLANI KLIE 1843 SENSU LATIGRE (HEMIF.). (6E)

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Acyrtosiphon solani.
English summary.

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AND INCIDENCE ON DAIRY CATTLE.

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Dairy cattle, Insect behavior, Insect nutrition,
Insect physiology, *Musca autumnalis*, Ovaries.
Abstract

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Chilo, Iridescent virus.
English summary
Abstract

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TRIOZA ERYTRAE (DEL GUERCIO) (HOMOPTERA: PSYLLIDAE).

V C Moran J R Howlers
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Citrus, Insect biology, *Psyllidae*, *Triozia erytrae*.
Abstract

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A NEW BRACONID PARASITE OF THE POTATO TUBERWORM
(HYMENOPTERA).

C E W Mneshechek
Entomol Soc Wash Proc 69(2):177-178
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Braconidae, Insect taxonomy, *Orgilus lepidus*,
Parasitic insects, *Phthorimaea operculella*.

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Aphididae, Culture media, Formicidae, Myrmecophilous insects.

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T E Nelson K M R Rertun
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Insecticide resistant insects, Insecticide synergists,
Malathion, *Ornithonyssus sylvarum*.

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Bacteria, Insect diseases, *Ostrinia nubilalis*.
Abstract

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Aldrin, Insecticide resistant insects, *Limonius californicus*.

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Feeders, Feeding, *Myzus persicae*, Phosphamidon.
French summary
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ARMIGERA.

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Heliothis armigera, Insect diseases, Insect rearing,
Polyhedroses.
In a laboratory insect rearing study.
Abstract

14243-68

HOUSE-FLY ADENOSINETRIPHOSPHATASES AND THEIR INHIBITION BY
INSECTICIDAL ORGANOTIN COMPOUNDS.

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Adenosinetriphosphatase, Insecticides, *Musca domestica*,
Organotin compounds.

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R E Frinslcc
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Bacteria, Gelatinase, Insect diseases, Phospholipase,
Serratia marcescens.
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(EURIPIDAE). (GE)
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GRISSEUS IN CONNECTICUT.
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Apples, *Archips argyrosipilus*, *Archips griseus*, Connecticut,
Hymenoptera, Parasitic insects, Tachinidae.
Abstract
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BACILLUS THURINGIENSIS.
N Ramakrishnan L D Tiwari
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Bacillus thuringiensis, Insect diseases, Insect histology,
Plusia crichalcea.
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BACILLUS THURINGIENSIS VAR. *THURINGIENSIS* BERLINER
ON SOME LEPIDOPTERA AND TENTREDINIDAE LARVAE.
J Bantaja
Ann Agr Fenn 6(2-3):103-105 REF
1967 20 AN7
Athalia colibri, *Bacillus thuringiensis*,
Biological control (insects), Larvae, Lepidoptera,
Pieris brassicae, *Plutella maculipennis*, *Priophorus tristis*,
Pteronous ribesii, *Tentredinidae*.
English and Finnish abstracts.
Abstract: The toxicity of the commercial *B. thuringiensis*
preparation Bictrol RTR, proc. 183, containing 25 x 109
spores per gram, to the larvae of *Plutella maculipennis*,
Pieris brassicae, *Athalia colibri*, *Pteronous ribesii* and
Priophorus tristis, was tested in the laboratory. At each
rate of application (0.5, 1, 2 and 3 grams per square
metre) the powder caused the death of the *P. maculipennis*
larvae within 2-3 days and the death of *P. brassicae* larvae
within 5-6 days. The effect of the preparation upon the
sawfly larvae was slower, and some of these pupated. Never-
theless, 83-100 percent of the *A. colibri* larvae died
within 7 days, 83 percent of the *P. ribesii* larvae within
5 days and 82 percent of the *P. tristis* larvae within 13
days.
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NOTES ON THE LIFE HISTORY OF *ALFOCRARA BILINEATA* (GYLL.)
(COLEOPTERA: STAPHYLINIDAE), AND ON ITS POTENTIAL VALUE AS
A CONTROL AGENT FOR THE CABBAGE MAGGOT, *HYLEMYA BRASSICAE*
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D C Read
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APPARATUS IN REPRESENTATIVES OF SOME MAJOR GROUPS OF
HYMENOPTERA.
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Feb 1968 41U AU73
Hymenoptera, Insect morphology, Insect physiology,
Poison glands, Reproductive organs.
Abstract: Principally Australian species considered, and
relationship between venom apparatus and accessory reproduc-
tive glands of other insects is given. Evidence is present-
ed of evolutionary continuity among hymenopterous groups.
Major changes of form in components of apparatus is related
to what is known of changes in functions.
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AN AUTOGENOUS GYNANDROMORPH OF *CULEX TARSALIS* COQ.
R Rosay
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Culex tarsalis, Gynandromorphism, Insect morphology.
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ANATOMY AND HISTOLOGY OF *RODOLIA CARDINALIS* MULS.
(COLEOPTERA COCCINFLIDAE). (II)
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Insect anatomy, Insect histology, *Rodolia cardinalis*.
English summary.
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Mar 1967 420 IN23
Aphididae, *Aphis gossypii*, Chili, Cotton, Cruciferae,
Diazinon, Eggplant, *Hyadaphis psendobrassicae*,
Insecticide application, Methyl demeton, Mevinphos, Okra,
Parathion.
Abstract
- 14256-68
SELECTION OF PUPATION SITE BY *DROSOPHILIA MELANOGASTER* AND
D. SIMULANS.
D D Sameoto R S Miller
Ecology 49(1):177-180 WINTER
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Drosophila melanogaster, *Drosophila simulans*, Humidity,
Insect behavior, Insect populations, Larvae.
Abstract: *D. melanogaster* and *D. simulans* larvae were
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lation to larval density and moisture content of the
medium.
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Respiration.
English and German summaries
Abstract
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OBSERVATIONS ON *CULEX PIPIENS* LARVAE INFESTED WITH
VORTICELLA SF.
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Mogquito News 27(4):523-524 REF
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Culex pipiens, Insect diseases, Larvae, Protozoa.
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PAROUS/MULLIFAROUS CONDITION OF UNFED ANOPHELES GAMBIAE AND
ANOPHELES FUNESTUS CAPTURED IN EXIT TRAPS.
L S Self C P Pant
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Mar 1968 421 M85
Anopheles funestus, *Anopheles gambiae*, Feeding,
Insect behavior, Reproduction.
Abstract: During August through October 1966, approxi-
mately 40.9 percent of the anophelines leaving village huts
near Kaduna in Northern Nigeria were macroscopically
classified as unfed. Single age-grouping of unfed *A. gam-
biae* and *A. funestus* indicated that 56.1 percent and

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- 35.9 percent respectively were nulliparous. A small percentage of the nulliparous and parous specimens of both species were found to have blood in the stomach when examined microscopically.
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Abstract
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Culicoides, Forest insects, Hydrogen-ion concentration.
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Entomogenous fungi, Insect diseases, Viruses.
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Heterotylenchus autumnalis, Insect biology, Musca autumnalis, Nematodes, Parasitism.
Abstract
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J G Stoffolano Jr W E Nickle
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Biological control (insects), Heterotylenchus, Musca autumnalis, Nematodes, Parasitic insects, Parasitic nematodes, Parasitism.
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Apples, Arthropod rearing, Diet, Nitrogen, Plant physiology, Tetranychus urticae.
English and Italian abstracts
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Acyrtosiphon pisum, Insect behavior.
German summary
Abstract
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Bombyx mori, Insect diseases, Polyhedroses.
English summary
Abstract
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Chromosomes, Parthenogenesis, Xyleborids.
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Quarantine.
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Amylases, Drosophila melanogaster, Electrophoresis, Enzymes,
Genes, Insect genetics.
Abstract: A simple zymogram technique allows separation of
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Drosophila melanogaster. Recombination analysis has dem-
onstrated spatial separation with a linkage intensity of the
order of 1/13,000 (0.008 map units) of pairs of amylase
genes each determining a single zone of amylolytic activity
in the electrophoretic banding pattern.

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14295-6E

SEMIANNEODS CROSSING OVER IN THE MALES OF DROSOPHILA ANANASSAE: TWO-WAY SELECTION FOR RECOMBINATION VALDES.
F G Kalc
Jap J Genet 43(1):27-31 REF
Mar 1968 442.5 J27
Drosophila ananassae, Insect genetics.
Abstract

14296-6E

THE MODE OF INHERITANCE OF DIELDRIN-RESISTANCE IN ANOPHELES (A.) PSEUDOPUNCTIPENNIS AND THE CROSSING OF POPULATIONS OF THIS SPECIES FROM VARIOUS PARTS OF MEXICO.
A Martinez-Falacios G Davidson
Mosquito News 27(1):55-56 REF
Mar 1967 421 M85
Anopheles pseudopunctipennis, Dieldrin, Insect genetics, Insecticide resistant insects.
Abstract: Dieldrin-resistance in *A. pseudopunctipennis* is dependent on a single, partially-dominant, genetic factor. The results of crossing five populations of this species from different malaria areas of Mexico indicate that all the populations of this area belong to the same species.

14297-6E

A NATURAL SEX IDRE EXTRACTED FROM FEMALE PINK BOLLWORMS.
M T Cnye E A Entt
J Econ Entomol 55(3):419-421
Jun 1962 421 J822
Pectinophora gossypiella, Sex attractants.

14298-6E

EVIDENCE FOR GENE HOMOLOGUE OF TWO PEARL-EYED GENES IN TRIFOLIUM CASTANEUM AND TRIFOLIUM COMESURUM.
C W Echerte C Jurilciff
Can J Genet Cytol 10(1):139-142 REF
Mar 1968 443.8 C16
Eyes, Genes, Insect genetics, Trifolium castaneum, Trifolium comesurum.
Abstract

14299-6E

SELECTION FOR SUPERNUMERARY Y-CHROMOSOMES IN DERMESTES MACULATUS (COLEOPTERA: DERMESTIDAE).
U U Shaw
Can J Genet Cytol 10(1):54-62 REF
Mar 1968 443.8 C16
Chromosomes, Dermestes maculatus, Insect genetics.
Abstract

14300-6E

THE STRUCTURE OF SALIVARY GLANDS AND GIANT CHROMOSOMES OF SOME CHIRONOMID LARVAE, ITS RELATION TO THE WAY OF LIFE AND PREFERENCE FOR THE DETERMINATION OF SPECIES.
V Tavcar
Biol Glas 19(1-2):11-17 REF
1966 510 Z1E
Chironomidae, Chromosomes, Insect behavior, Insect morphology, Larvae, Salivary glands.
Abstract: Larvae which build living spaces or construct nets have salivary glands which consist of big cells with big nuclei. Larvae that live a predatory way of life, building neither living spaces nor nets have smaller salivary glands, and their tiny nuclei are of exceptional significance. Structure of chromosomes is not clear and they are inconvenient for the determination of species.

14301-6E

RAPID ALLOCYCLIC CHANGES IN THE CENTRIC AND AN ARM SEGMENT OF THE X CHROMOSOME IN MEIOSIS OF MALE OMOPHOITA SPERBERGII (COLEOPTERA, ALTICIDAE).
N Virkki
Hereditas 5E(1-2):262-264 REF
1967 442.8 H42
Chromosomes, Chrysomelidae, Coleoptera, Insect genetics, Meiosis, Omophota.

Medical Entomology

14302-6E

ARBOVIRUS STUDIES IN BDRS BDRS FOREST, TRINIDAD, W. I., SEPTEMBER 1959-DECEMBER 1964. II. FIELD PROGRAM AND TECHNIQUES.
T R G Aitken C B Worth A R Jonkers E S Tikasingh W G Downs
Amer J Trop Med Hyg 17(2):237-252, MAP REF
Mar 1968 448.8 AM326
Arboviruses, Arthropoda, Birds, Chickens, Diptera, Ecology, Insect vectors, Rodents.

14303-6E

EVALUATION OF INSECTICIDES AGAINST FOUR SPECIES OF ADULT MOSQUITOES IN THE PANAMA CANAL ZONE, 1967.
R M Altman M M Foreham
Mosquito News 27(4):506-508 REF
Dec 1967 421 M85
Aedes taeniorhynchus, Anopheles albimans, Chemical control (insects), Culex pipiens quinquefasciatus, Fenthion, Insecticidal aerosols, Malathion, Mansonia, Naled. Abstract: In December 1966 and January 1967 two series of tests were conducted at Ft. Clayton, Canal Zone to determine the effectiveness of nonthermal aerosols of several insecticides to caged mosquitoes. Based on the percentage concentration, fenthion was more effective than naled which was in turn more effective than malathion.

14304-6E

PROBLEMS IN THE CULTIVATION OF SOME PARASITIC PROTOZOA.
A Bishop
Advances Parasitol 5:93-138 REF
1967 436.8 AD9
Culture media, Insect vectors, Protozoa.
Includes biology in insect vectors.

14305-6E

DEVELOPMENT OF RICKETTSIA PROWAZEKI IN CERTAIN SPECIES OF IXODID TICKS.
W Burgdorfer R A Ormshee
Acta Virol 12(1):36-40
Jan 1968 448.3 AC85
Dermaconator andersoni, Ryalomma anatolicum excavatum, Ryalomma dromedarii, Ixodidae, Rickettsia prowazeki.

14306-6E

OBSERVATIONS ON TOXORHYNCHITES SPLENDENS (WIEDEMANN) (DIPTERA: CULICIDAE) IN SINGAPORE.
K L Chan
Mosquito News 28(1):91-95 REF
Mar 1968 421 M85
Aedes, Biological control (insects), Insect physiology, Predaceous insects, Toxorhynchites splendens.

14307-6E

SIMIAN MALARIAS IN MAN; FACTS, IMPLICATIONS, AND PREDICTIONS.
G R Coatney
Amer J Trop Med Hyg 17(2):147-155 REF
Mar 1968 448.8 AM326
Anopheles, Human diseases, Insect vectors, Malaria, Monkeys, Plasmodium, Zoonoses.

14308-6E

STUDIES ON THE TRANSMISSION OF SIMIAN MALARIA. III. INFECTION AND TRANSMISSION OF PLASMODIUM COATNEYI WITH ANOPHELES FREEBORNI AND A. BALABACENSIS BALABACENSIS MOSQUITOES.
W E Collins P G Contacos E G Ginn J R Held
J Parasitol 53(6):1130-1134
Dec 1967 408.8 J824
Anopheles balabacensis, Anopheles freeborni, Insect vectors, Monkeys, Plasmodium.

14309-6E

STUDIES OF TENSAW VIRUS IN ANOPHELES QUADRIMACULATUS, A. ALBIMANS AND A. MACULATUS.
W E Collins A J Harrison
Mosquito News 27(1):1-5 REF
Mar 1967 421 M85

- Anopheles albimanus, Anopheles maculatus, Anopheles quadrimaculatus, Arboviruses, Insect vectors, Teusaw virus.
Abstract: Mosquitoes were infected with Teusaw virus using the membrane feeding technique. Transmission of Teusaw virus was obtained by the feeding of *A. quadrimaculatus* and *A. albimanus* to suckling mice after 12 to 14 days of extrinsic incubation. The amount of virus initially ingested did not appear to affect the transmission rate.
- 14310-66
TRANSMISSION OF PLASMODIUM FIELDI BY ANOPHELES MACULATUS, A. STEPHENSI, AND A. FALARACENSIS FALARACENSIS.
W E Collins F G Contacos E G Guinn J R Heid
J Parasitol 54(2):376
Apr 1968 44R:6 J824
Anopheles falaracensis, Anopheles maculatus, Anopheles stephensi, Insect vectors, Mouskeys, Plasmodium fieldi.
- 14311-68
THE EFFECT OF GAMMA IRRADIATION ON REPRODUCTION AND LIFE SPAN OF THE MOSQUITO CULEX TARSALIS COQUILLETT.
L I Darrow
Mosquito News 28(1):21-24 REF
Mar 1968 421 M85
Culex tarsalis, Gamma rays, Longevity, Reproduction.
- 14312-68
NEW CHEMICAL ATTRACTANTS FOR YELLOW JACKETS (VESPULA SPP.).
H G Davis T F McGovern G W Eddy T E Nelson K M R Rertun
J Econ Entomol 61(2):459-462
Apr 1968 421 J822
Attractants, Vespa.
102 synthetic organic compounds
Abstract
- 14313-68
RESPONSES OF Aedes Aegypti (L.) FROM ALABAMA, GEORGIA AND SCOUT CAROLINA TO DDT, DIFLORIN, AND MALATHION.
A E Flynn H P Schoof
Mosquito News 27(4):509-512 REF
Dec 1967 421 M85
Aedes aegypti, Chemical control (insects), Dieldrin, DDT, Insecticide resistant insects, Malathion.
Abstract: Of the strains from Alabama, two were resistant to DDT (adults), one slightly resistant to dieldrin (adults), and none resistant to malathion. From Georgia, all strains of the adult stage were resistant to DDT, one strain (Alabama, adult and larval stages) to dieldrin, and none to malathion. Strains from South Carolina were susceptible to all of these toxicants.
- 14314-68
RESPONSES OF MOSQUITOES AND STABLE FLIES TO A MAN IN A LIGHT-WEIGHT BUFEFE DIVING SUIT.
H K Guck I R Gilbert
J Econ Entomol 55(3):386-392, TABS.
Jun 1962 421 J822
Culicidae, Human engineering, Humans, Stomoxys calcitrans.
- 14315-68
EVOLUTIONARY TRENDS IN MAMMALIAN TRYPANOSOMES.
C A Eare
Advances Parasitol 5:47-91, MAP REF
1967 436.8 AD9
Animal diseases, Evolution, Human diseases, Insect vectors, Mammals, Trypanosomatidae.
Includes insect vectors.
- 14316-68
SEASONAL ACTIVITY OF MOSQUITO PREDATORS IN WOODLAND POOLS IN CENTRAL.
E G James
Mosquito News 27(4):453-457 REF
Dec 1967 421 M85
Aedes, Aquatic insects, Coleoptera, Forests, Natural control (insects), Ponds, Predaceous insects.
- 14317-68
ARBOVIRUS STUDIES IN DUSH RUSH FOREST, TRINIDAD, W. I. SEPTEMBER 1955-DECEMBER 1964. V. VIRUS ISOLATIONS.
A R Jenkins L Spence W G Downs I R G Aitken E S Tikasingh
Amer J Trop Med Hyg 17(2):276-284 REF
Mar 1968 448.8 AM326
Arboviruses, Arthropoda, Culicidae, Rodents, Serological tests, Virology.
- 14318-68
ULV AERIAL INSECTICIDE APPLICATION FOR ADULT MOSQUITO CONTROL IN KENTUCKY.
F W Knapp C R Gayle
Mosquito News 27(4):478-482 REF
Dec 1967 421 M85
Aerial spraying, Carbamates, Chemical control (insects), Culicidae, Fenitrothion, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Malathion, Naled, Organophosphorus compounds.
- 14319-68
EFFECTIVENESS OF SOME NEW INSECTICIDES ON VARIOUS TYPES OF SURFACES AND IN CLAY-LINED EXPERIMENTAL RUTS AGAINST ANOPHELES QUADRIMACULATUS.
W Mathis H P Schoof
Mosquito News 28(1):16-20 REF
Mar 1968 421 M85
Anopheles quadrimaculatus, Biological assay, Chemical control (insects), Dieldrin, Insecticide resistant insects, Insecticides, Surface chemistry.
- 14320-68
THE MUDMINNOW UMBRA LIMI (KIRT.). A POSSIBLE MOSQUITO CONTROL AGENT IN SEMI-PERMANENT POOLS.
M G Maw
Mosquito News 28(1):120 REF
Mar 1968 421 M85
Biological control (insects), Culicidae, Fish.
The mudminnow, Umbra limi, feeds on insects.
- 14321-68
ULTRA-LOW VOLUME NONTHERMAL AEROSOLS OF MALATHION AND NALED FOR ADULT MOSQUITO CONTROL.
G A Mount C S Lofgren N W Pierce C N Husman
Mosquito News 28(1):99-103 REF
Mar 1968 421 M85
Aedes taeniorhynchus, Aerosols, Chemical control (insects), Malathion, Naled.
Abstract: A nonthermal generator (Curtis Model 55,000) was modified to disperse ultra-low volume malathion and naled. At all doses tested, particles of malathion having med's of 6 to 10 microns were more effective than particles of 11 to 22 microns. ULV malathion at least as effective as high volume. ULV naled was more effective than high volume.
- 14322-68
NEW INSECTICIDES AS NONTHERMAL AEROSOLS FOR CONTROL OF ADULT MOSQUITOES.
G A Mount C S Lofgren
Mosquito News 27(4):470-473 REF
Dec 1967 421 M85
Aedes taeniorhynchus, Anopheles quadrimaculatus, Carbamates, Chemical control (insects), Culex pipiens quinquefasciatus, Insecticidal aerosols, Organophosphorus compounds.
- 14323-68
AERIAL FOGGING WITH RAY 39007 FOR THE CONTROL OF ADULT Aedes SOLLICITANS (WALKER) AND Aedes TAENIORHYNCHUS (WIEDEMANN).
G A Mount C S Lofgren J Salmela
Mosquito News 27(4):524-525 REF
Dec 1967 421 M85
Aedes sollicitans, Aedes taeniorhynchus, Aerial spraying, Chemical control (insects), Insecticidal aerosols, Isopropoxyphenyl methylcarbamate, o-.
- 14324-68
LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES.
R Sollers-Riedel
Mosquito News 27(4):537-548 REF
Dec 1967 421 M85
Bibliography, Chemical control (insects), Culicidae, Insect taxonomy, Medical entomology.
- 14325-68
LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES.
H Sollers-Riedel
Mosquito News 28(1):128-140 REF
Mar 1968 421 M85
Bibliography, Biological control (insects), Chemical control (insects), Culicidae, Equipment, Insect biology, Insect ecology, Insect genetics, Insect morphology, Insect vectors, Medical entomology, Toxicology.

1D 14326-68

14326-68

CONTROL OF MOSQUITO ADULTS AND LARVAE WITH ULTRA-LOW VOLUME AERIAL APPLICATIONS OF FAYGON AND BAYGON-FAYTEX MIXTURE.
I E Stevens F P Stroud
Mosquito News 27(4):482-485 REF
Dec 1967 421 #85
Aedes sollicitans, Aedes stimulans, Aerial spraying, Carbamates, Chemical control (insects), Culex restuans, Fenitrothion, Insecticides, Isoprocyphenyl methylcarbamate, o-, Larvicides, Organophosphorus compounds.

14327-66

THE LARVICIDAL ACTIVITY OF SEVERAL LIQUID DETERGENTS AND QUATERNARY AMMONIUM COMPOUNDS.
F T Taylor B F Schoof
Mosquito News 27(4):486-487
Dec 1967 421 #85
Aedes aegypti, Aedes triseriatus, Anopheles quadrimaculatus, Chemical control (insects), Culex pipiens quinquefasciatus, Detergents, Larvicides, Quaternary ammonium compounds.

14328-66

SIMULATED FIELD EVALUATION OF PROMISING INSECTICIDES FOR USE AGAINST AEGYPTI.
F T Taylor
Mosquito News 28(1):11-16 REF
Mar 1968 421 #85
Aedes aegypti, Chemical control (insects), Insecticides, Larvicides.
Abstract: Eleven compounds were evaluated under simulated field conditions to determine their relative residual life as larvicides and adulticides against Ae. aegypti.

20 CROP PROTECTION

14329-68

ENTOMOLOGISTS EXCHANGE '59 RESEARCH RESULTS.
Agr Chem 15(1):38-40
Jan 1968 381 AG8
Anthonomus grandis, Cochliomyia hominivorax, Conocephus, DDT, Musca domestica, Ronnel, Tetraneura.

14330-68

APHIDS AND MILDEW. TWO ECONOMICALLY IMPORTANT PESTS OF GRAIN IN SOUTHERN SWEDEN 1967. (SW)
K Andersson
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 32(1):2-8
1968 464.9 SW3V
Aphididae, Fungus diseases (plants), Grain, Insect pests.

14331-68

SOME NOTES ON THE STEDDY OF BARK FUNGI.
J B Garner
Can J Bot 45(4):540-541
Apr 1967 470 C16C
Bark, Fungi, Populus tremuloides.

Diseases

14332-68

CHANGE IN CHLOROPLAST PROTEINS OF THE RICE PLANT INFECTED BY THE BLAST FUNGUS, PIRICULARIA ORYZAE. IN: MIROCHA, C. J., AND DRITANI, I., ED. THE DYNAMIC ROLE OF MOLECULAR CONSTITUENTS IN PLANT-PARASITE INTERACTION. PROCEEDINGS, CONFERENCE HELD MAY 15-21, 1966, GANAGORI, JAPAN.
SB611.C6.
T Akazawa L Ramakrishnan
329-341 REF AMERICAN PHYTOPATHOLOGICAL SOCIETY
1967
Blast (rice), Fungus diseases (plants), Piricularia oryzae, Proteins, Rice.

14333-68

AMERICAN PHYTOPATHOLOGICAL SOCIETY. POTOMAC DIVISION. ANNUAL MEETING, 1967. REPORT AND ABSTRACTS.
Phytopathology 57(7):644-649
Jul 1967 464.8 P56
Conferences, Plant diseases.

14334-68

INHERITANCE OF RESISTANCE TO VENTURIA INAEQUALIS IN CERTAIN CRAB APPLE CLONES. (ABSTRACT).
H S Bagga D M Boone
Phytopathology 57(8):802
Aug 1967 464.8 P56
Crabapples, Crop varieties, Fungus diseases (plants), Plant disease resistance, Venturia inaequalis.

14335-68

PLANT VIRUS ANTIGEN: ANTIBODY REACTIONS IN DENSITY GRADIENT CENTRIFUGATION AND IN ELECTRON MICROSCOPY. (ABSTRACT).
E M Ball M K Brakke
Phytopathology 57(8):802
Aug 1967 464.8 P56
Antibodies, Antigens, Centrifugation, Electron microscopy, Plants, Virus diseases (plants).

14336-68

LEAFHOPPER TRANSMISSION OF THE OAT BLUE DWARF VIRUS EXTRACTED FROM OATS OR BARLEY. (ABSTRACT).
E E Bantari
Phytopathology 57(8):802
Aug 1967 464.8 P56
Blue dwarf (oats), Insect vectors, Macrosteles fascifrons, Oats, Plant disease transmission, Virus diseases (plants).

- 14337-66
THE RESPIRATION OF SCLEROTIA OF SCLEROTIUM ROLFSSII.
M D Bard C I Fergus
Mycopathol Mycol Appl 33(2):167-178 REF
13 Nov 1967 450 P594
Aging, Hydrogen-ion concentration, Plant respiration,
Sclerotium rolfssii, Temperature.
- 14338-66
NUCLEAR BESSOCIATION IN PUCCINIA CORONATA F. SP. AVENAE.
(ABSTRACT).
P Eartos G Fleischbrann G J Creer D J Samhroski
Phytopathology 57(8):803
Aug 1967 464.8 P56
Cell division, Cell nucleus, Crown rust (oats),
Fungus diseases (plants), Oats, Puccinia coronata avenae.
- 14339-66
CHARACTERISTICS OF THE CELLULASE SYSTEM PRODUCED BY
SCLEROTIUM ROLFSSII. (ABSTRACT).
C E Pateman
Phytopathology 57(8):803
Aug 1967 464.8 P56
Beans, Cellulase, Fungus diseases (plants),
Sclerotium rolfssii.
- 14340-68
BENEFICIAL RESPONSE OF RADISH VARIETIES RESISTANT AND
SUSCEPTIBLE TO VASCULAR INFECTION BY FUSARIUM OXYSPORUM
F. CONGLUTINANS.
C H Beckman
Phytopathology 57(7):699-702 REF
Jul 1967 464.8 P56
Fungus diseases (plants), Fusarium oxysporum,
Plant disease resistance, Plant respiration, Radishes,
Vascular system (plants), Wilt (radishes).
Abstract
- 14341-66
FORMATION OF GOSSYFL IN INFECTED OR CHEMICALLY IRRITATED
TISSUES OF GOSSYPIUM SPECIES.
A A Bell
Phytopathology 57(7):759-764 REF
Jul 1967 464.8 P56
Antimetabolites, Chromatography, Cotton,
Fungus diseases (plants), Gossypol, Plant disease resistance,
Plant extracts, Puccinia sorghi, Rhizopus stolonifer,
Uromyces phaseoli, Verticillium albo-atrum.
Abstract
- 14342-66
AN EXPOSURE CHAMBER FOR FOREST AIR POLLUTION STUDIES.
(ABSTRACT).
C B Perry
Phytopathology 57(8):804
Aug 1967 464.8 P56
Air pollution, Forest conservation, Greenhouses, Ozone,
Ficus strictus.
- 14343-66
ACCUMULATION OF PHENOLS IN SCYFAN AFTER INOCULATION WITH
FUNGI NONPATHOGENIC TO SOYBEAN. (ABSTRACT).
W I Eichen J Ruc E E Williams
Phytopathology 57(8):804
Aug 1967 464.8 P56
Fungi, Helminthosporium carbonum, Phenols, Soybeans.
- 14344-66
NUMERICAL ANALYSIS OF THE GENUS TRICHOZORUS. (ABSTRACT).
G W Eird
Phytopathology 57(8):804
Aug 1967 464.8 P56
Mathematical analysis, Plant nematodes, Trichozorus.
- 14345-66
SOIL TRANSMISSION OF SUGARCANE MOSAIC VIRUS IN SORGHUM.
(ABSTRACT).
W E Bond T P Fierne
Phytopathology 57(8):804-805
Aug 1967 464.8 P56
Mosaic (sugarcane), Plant disease transmission,
Soil-borne plant diseases, Sorghum, Sugarcane,
Virus diseases (plants).
- 14346-66
THE RELATION OF GROWTH REGULATORS TO THE DEVELOPMENT OF
SYMPTOMS AND THE EXPRESSION OF STEM RESISTANCE IN WHITE PINE
INFECTED WITH BLISTER RUST.
M G Ecyer
45(4):501-513
- Apr 1967
Benzimidazole, Blister rust (pinus), Gibberellic acid,
Indoleacetic acid, Plant disease resistance, Plant galls,
Plant regulators, Seedlings.
Abstract: The application of the growth regulators indole-
acetic acid and gibberellic acid of stems of white pine
seedlings produced many symptoms characteristic of the di-
sease caused by blister rust fungus, thus suggesting their
possible involvement in gall formation. When benzimidazole
compound was applied, a wound periderm was initiated in seed-
lings infected with blister rust, but not in healthy ones.
- 14347-68
THE STRUCTURE-ACTIVITY RELATIONSHIPS OF A NEW GROUP OF
PYRIDINE ALKANE AND CARBINOL FUNGICIDES. (ABSTRACT).
I E Brown J W Whaley H M Taylor E M Van Beyningen
Phytopathology 57(B):805-806
Aug 1967 464.8 P56
Carbinol, Erysiphe polygoni, Fungicides,
Fungus diseases (plants), Grasses, Paraffins,
Pyridine compounds.
- 14348-68
EFFECTS OF LIGHT ON SPORULATION OF CERCOSPORA BETICOLA.
L Calpouzos G F Stallknecht
Phytopathology 57(7):679-681
Jul 1967 464.8 P56
Cercospora beticola, Light.
Abstract
- 14349-68
PHYTOPHTHORA LEAF FALL AND POD ROT OF HEVEA BRASILIENSIS IN
THAILAND.
K R Cbee J M F Greenwood
Pao Plant Protect Bull 16(1):1-5 MAP, REP
Feb 1968 421 P692
Fungus diseases (plants), Hevea brasiliensis,
Phytophthora meadii, Phytophthora palmivora.
Abstract: Leaf fall was observed throughout the rubber-
growing areas of Thailand, except in the southeast region.
Leaf fall and pod rot were most severe in the northeast
provinces, moderate in the southwest, and slight in the
west. Strains of the causal fungus fell into two groups.
Their identity has not been established, but most isolates
can probably be assigned to Phytophthora meadii, and the
remainder, of much rarer occurrence, to P. palmivora.
- 14350-68
GREENHOUSE EVALUATION OF FUNGICIDES FOR CONTROL OF RICE
BLAST DISEASE. (ABSTRACT).
B S Cbow
Phytopathology 57(8):806
Aug 1967 464.8 P56
Blast (rice), Fungicides, Fungus diseases (plants),
Greenhouses, Piricularia oryzae, Rice.
- 14351-68
TRISTEZA STRAIN COMPARISONS IN FLORIDA. (ABSTRACT).
M Cohen
Phytopathology 57(8):807
Aug 1967 464.8 P56
Citrus, Grapefruit, Tristeza (citrus).
- 14352-68
OAK WILT INCIDENCE RELATED TO SITE PRODUCTIVITY IN
HAMPSHIRE COUNTY, W. VA. (ABSTRACT).
W L Cones R P Trne
Phytopathology 57(8):807
Aug 1967 464.8 P56
Fungus diseases (plants), Quercus, Wilt (quercus).
- 14353-68
THE EFFECT OF XANTHOMONAS VESICATORIA ON PERMEABILITY
IN RESISTANT AND SUSCEPTIBLE PEPPER LEAVES. (ABSTRACT).
A A Cook B E Stall
Phytopathology 57(8):807
Aug 1967 464.8 P56
Bacterial diseases (plants), Bush redpeppers (vegetable),
Plant disease resistance, Xanthomonas vesicatoria.
- 14354-68
OCCURRENCE OF RBIZOCTONIA SPP. IN SEEDS OF SMALL GRAINS
AND OTHER PLANTS.
W P Crosier J J Natti D C Crosier
Phytopathology 57(8):808
Aug 1967 464.8 P56
Field crops, Fungus diseases (plants), Grain,
Ornamental plants, Rizoctonia, Seed treatment, Vegetables.

20 14355-68

- 14355-68
DIFFERENTIATION IN DIKARYONS AND DIPLOIDS. (ABSTRACT).
P B Day
Phytopathology 57(8):80B
Aug 1967 464.6 P56
Cell division, Coprinus lagopus, Enzymes, Fungi, Mutation,
Parasitic plants, Plant biochemistry, Ustilago maydis.
- 14356-66
ADDITIONAL FUNGI ASSOCIATED WITH AMERICAN BEECH IN NEW
YORK.
E C De Groot
Mycopathol Mycol Appl 32(4):35(-359
13 Sep 1967 45D M594
Fagus grandifolia, Fungus diseases (plants).
- 14357-66
THE EFFECT OF VISIBLE AND NEAR-VISIBLE RADIATION ON THE
SPERMATOPHYTES HELMINTHOSPORIDIUM VAGANS. (ABSTRACT).
R I Deahl E S Elliott
Phytopathology 57(8):80B
Aug 1967 464.6 P56
Fungus diseases (plants), Helminthosporium vagans, Light,
Fca pratensis, Ultraviolet rays.
- 14358-66
INCORPORATION OF E3- AND C14-LABELLED OBOTIC ACID INTO
BIOGENIC ACID OF ISOLATED BEAN RUST MYCELIUM. (ABSTRACT).
H M Dekhuijzen H Singh B C Staples
Phytopathology 57(8):80B
Aug 1967 464.6 P56
Beans, Carbon isotopes, Fungus diseases (plants), Orotic acid,
Radioactive tracers, Ribonucleic acid, Rust (beans), Tritium,
Uromyces phaseoli.
- 14359-66
SOME PROPERTIES OF BYPLAS ISOLATED FROM BEAN LEAVES INFECTED
WITH BEAN RUST FUNGUS.
H M Dekhuijzen H Singh B C Staples
Boyce Thompson Inst Contrib 23(11):367-372 REP
Jul 1967 451 P69
Beans, Fungus diseases (plants), Rust (beans),
Uromyces phaseoli.
- 14360-66
DECLINE OF RED CLOVER PLANTS INFECTED WITH RED CLOVER VEIN
MOSAIC VIRUS AND FUSARIUM SPECIES. (ABSTRACT).
S J Denis E S Elliott
Phytopathology 57(8):80B-809
Aug 1967 464.6 P56
Fungus diseases (plants), Fusarium, Red clover,
Vein mosaic (red clover), Virus diseases (plants).
- 14361-66
SUBTLE EFFECTS OF FREEZING ON THE SENSITIVITY OF TOBACCO
MOSAIC VIRUS TO ALKALINE DEGRADATION. (ABSTRACT).
P R Desjardins T C Diever
Phytopathology 57(8):809
Aug 1967 464.6 P56
Alkalies, Freezing, Hydrogen-ion concentration,
Mosaic (tobacco), Tobacco, Virus diseases (plants).
- 14362-66
EFFECT OF TEMPERATURE ON DEVELOPMENT OF LOCAL LESIONS ON
TOBACCO LEAVES INOCULATED WITH TOBACCO STREAK VIRUS.
(ABSTRACT).
S Diachou
Phytopathology 57(8):809
Aug 1967 464.6 P56
Streak (tobacco), Temperature, Tobacco,
Virus diseases (plants).
- 14363-66
THE EFFECT OF INOCULUM POTENTIAL ON THE RESPONSE OF
MUSKMELON VARIETIES TO FUSARIUM OXYSPORUM F. SP.
MELONIS. (ABSTRACT).
L R Douglas
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Fungus diseases (plants), Fusarium oxysporum, Muskmelons,
Wilt (muskmelons).
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CORRELATION BETWEEN SUSCEPTIBILITY OF PEACH TO BACTERIAL CANKER
NOT RELATED TO MOVEMENT OF PSEUDOMONAS SYRINGAE.
(ABSTRACT).
W M Dowler F D King
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Bacterial diseases (plants), Canker (peaches), Peaches,
Plant disease resistance, Pseudomonas syringae.
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RECOVERY OF EASTERN WHITE PINE FOLLOWING REDUCTION IN
LEVELS OF AMBIENT AIR POLLUTION. (ABSTRACT).
D B Drummond P A Wood
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Air pollution, Ficus strobils.
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GERMINATION OF MICROSCLEROTIA OF VERTICILLIUM ALBO-ATRUM
IN SOIL. (ABSTRACT).
D A Emmatt B J Green
Phytopathology 57(8):810-811
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Fungus diseases (plants), Soil fungi, Spore germination,
Verticillium albo-atrum.
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BREADSPORE PRODUCTION OF FIVE RACES OF PUCCINIA RECONDITA
BOB. EX DESM. AS AFFECTED BY LIGHT AND TEMPERATURE.
Z Eval J L Petersou
Cau J Bot 45(4):537-540
Apr 1967 470 C16C
Fungus diseases (plants), Leaf rust (wheat), Light,
Puccinia recondita, Temperature, Wheat.
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BACTERIAL STIMULATION OF CHLAMYDOSPORE PRODUCTION IN
FUSARIUM SOLANI F. SP. PHASEOLI. (ABSTRACT).
E J Ford E E Trujillo
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Bacteria, Fungus diseases (plants), Fusarium solani,
Plant physiology.
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STUDIES ON POTASSIUM NUTRITION OF PLANTS. II. SOME EFFECTS
OF POTASSIUM DEFICIENCY ON THE ORGANIC ACIDS OF LEAVES.
G G Freeman
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Acids, Beets, Cabbage, Leaves, Lettuce, Lolium multiflorum,
Plant nutritional deficiencies, Potassium, Potatoes.
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ETHANOL SOLUBILITIES OF TAKE AND METABOLISM OF GLUCOSE BY
ARMILLARIA MELLEA. (ABSTRACT).
M C Garraway
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Armillaria mellea, Ethyl alcohol, Fungus diseases (plants),
Glucose, Metabolism.
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COMPOSITIONS AND METHODS FOR CONTROLLING FUNGI. PATENT
3,378,43B.
K Gatz
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Antibiotics, Chemical control (plant diseases), Fungicides,
Patents.
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EFFECTS OF DRYING ON THE VIABILITY OF GERMINATED SPORES OF
BOTRYTIS CINEREA, CERCOPODA MUSAEE, AND MONILINIA
FRUCTICOLA.
B M Good P G M Zathureczky
Phytopathology 57(7):719-722
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Botrytis cinerea, Cercospora musae, Culture media, Drying,
Monilinia fructicola, Mortality, Spore germination.
Abstract
- 14373-68
RELATIONSHIP OF ROOT KNOT NEMATODES TO PATHOGENIC
VARIABILITY IN FUSARIUM OXYSPORUM F. SP. LYCOPEBSICII.
M J Goode J M McGuire
Phytopathology 57(8):812
Aug 1967 464.8 P56
Fungus diseases (plants), Fusarium oxysporum,
Meloidogyne incognita, Plant nematodes, Tomatoes.
- 14374-68
A POSSIBLE BIOCHEMICAL BASIS FOR THE BYPASSES SENSITIVE REACTION
INDUCED IN PLANTS BY PATHOGENIC BACTERIA. (ABSTRACT).
B N Goodman
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- Bacterial diseases (plants), Chemicals, Hypersensitivity, Necrosis, Plant biochemistry, Plants, Tobacco.
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A QUANTITATIVE METHOD FOR THE ISOLATION OF PYTHIUM SPECIES FROM SOIL USING SWEET CORN. (ABSTRACT).
R W Geth J E Dewey F J Schick
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Fungus diseases (plants), Plant quarantine, Pythium, Root rot (beans), Soil fungi, Sweet corn, Sweetcorn.
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J W Guthrie
Phytopathology 57(8):813
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Bacterial diseases (plants), Pseudomonas phaseolicola, Serological tests.
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INTRACELLULAR AND EXTRACELLULAR ENZYMES FROM PHYTOPHTHORA CINNAMOMI. (ABSTRACT).
B Ball C A Zeutwyer
Phytopathology 57(8):813
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Cells, Culture media, Enzymes, Fungus diseases (plants), Phytophthora cinnamomi.
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BEHAVIOR OF PECTIN AT PH VALUES ENCOUNTERED IN FUSARIUM SOLANI F. SP. CUCURBITAE-INFECTED SQUASH HYPOCOTYLS. (ABSTRACT).
J G Hancock
Phytopathology 57(8):813
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Fungus diseases (plants), Fusarium solani, Hydrogen-ion concentration, Pectins, Squash.
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STUDIES OF A NEW EFFECTIVE STRAIN OF TOBACCO MOSAIC VIRUS. (ABSTRACT).
V Bariharasubramanian A Siegel
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Aug 1967 464.6 P56
Mosaic (tobacco), Tobacco, Virus diseases (plants).
- 14380-66
SEED EXUDATE IN RELATION TO TEMPERATURE AND PREEMERGENCE DAMPING-OFF. (ABSTRACT).
L S Fayman
Phytopathology 57(6):814
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Cotton, Damping-off (cotton), Exudates, Seed germination, Temperature.
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OOTHISTEOMA NEEDLE ELIGHT OF PINES. 6. FIELD CONTROL WITH TIME OF CHEMICAL SPRAYS.
U Rocking
Arusha Trop Pesticides Res Inst Misc Rep 572,11 P
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Copper compounds, Fungus diseases (plants), Needle blight (pine), Pinus radiata, Spraying, Tree diseases.
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PLANT DISEASE PITFALLS FOR HIGH YIELDING WHEATS IN INDIA.
C S Bhatta
Indian Phytopathol 20(3):183-188
Sep 1967 464.8 IN2
Crop yields, Leaf spot (wheat), Plant diseases, Powdery mildew (wheat), Root rot (wheat), Stripe rust (grain), Wheat.
- 14383-66
INHERITANCE OF MAIZE PLANT RESISTANCE TO RUST IN CORN. (ABSTRACT).
A L Becker
Phytopathology 57(8):815
Aug 1967 464.6 P56
Corn, Fungus diseases (plants), Plant disease resistance, Plant genetics, Rust (corn).
- 14384-66
EFFECT OF ETHANOL FIXATION ON POTATO VIRUS X PARTICLES. (ABSTRACT).
W J Becker
Phytopathology 57(8):815
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EFFECT OF TOBACCO ETCH VIRUS ON PHOTOSYNTHESIS. (ABSTRACT).
D L Hopkins R E Hampton
Phytopathology 57(8):815
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Etch (tobacco), Photosynthesis, Tobacco, Virus diseases (plants).
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PLANT CELLULAR RESPONSES TO NEMATODE EXTRACTS. (ABSTRACT).
R K Howell R S Hussey
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Animal extracts, Cells, Ditylenchus dipsaci, Peas, Plant nematodes.
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TELIOPORE FORMATION BY PUCCINIA RECONITA P. SP. TRITICI ON SEEDLING WHEAT PLANTS.
A O Jackson B C Young
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Leaf rust (wheat), Puccinia recondita.
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TREE SPECIES UREDINALES ON BROMUS.
M J Kaufmann
Mycopathol Mycol Appl 32(4):249-261
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Bromus, Fungus diseases (plants), Puccinia, Rust (Bromus), Uredinales, Uredo, Uromyces.
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METHOD OF PROTECTING PLANTS WITH 2,1,3-BENZODITHIADIAZOLE COMPOUNDS. PATENT 3,382,146.
R Koopman A Temple
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Benzodithiadiazoles, Fungicides, Patents.
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EFFECT OF CARBON SOURCES ON THE GROWTH OF PYTHIUM APHANIDERMATUM (EDSON) FITZ.
M Kumar R K Grover
Indian Phytopathol 20(3):189-195 REF
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Carbon compounds, Fungus diseases (plants), Hydrogen-ion concentration, Plant physiology, Pythium aphanidermatum.
- 14391-68
BEHAVIOR OF CHLAMYDOSPORES AND ENDOCONIDIA OF THIELAVIOPSIS BASICOLA IN NONSTERILIZED SOIL.
R G Luederman T A Tcussou
Phytopathology 57(7):729-731
Jul 1967 464.8 P56
Culture media, Soil moisture, Spore germination, Thielaviopsis basicola.
Abstract
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INHIBITION OF PHENOL OXIDATION BY ERWINIA CAROTOVORA IN POTATO TUBER TISSUE AND ITS SIGNIFICANCE IN DISEASE RESISTANCE.
L Lovrekovich R Lovrekovich M A Stahmaun
Phytopathology 57(7):737-742
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Bacterial soft rot (potatoes), Enzymes, Erwinia carotovora, Phenols, Plant disease resistance, Potatoes.
Abstract
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THE CYTOLOGY OF INFECTION STRUCTURE DEVELOPMENT IN UREDIOSPORE GERMINATION TUBES OF UROMYCES PHASEOLI VAR. TYPICA (PESS.) WINT.
R Maheshwari A C Hildebrandt P J Allen
Can J Bot 45(4):447-450 REF
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Beaus, Feulgen test, Fungus diseases (plants), Plant cytology, Spore germination, Uredinales, Uromyces phaseoli typica.
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THERMAL STABILITY OF STEM RUST RESISTANCE IN OAT SEEDLINGS.
J W Hartens F I B McKeuzie G J Green
Can J Bot 45(4):451-458 REF
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Fungus diseases (plants), Oats, Plant disease resistance,

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VARIABILITY AND THE INHERITANCE OF MORPHOLOGICAL MUTANTS IN *FYFFACEPCA* TREES.
W C McDonald
Phytopathology 57(7):747-755 REF
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Plant morphology, *Fyrenophora teres*.
Abstract
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GERMINATION AND INFECTION OF CITRUS BY ASCOSPORES OF *GUIGNARDIA CITEICARPA* IN RELATION TO CONTROL OF BLACK SCUT.
K C McOrie
Phytopathology 57(7):743-746
Jul 1967 464.E 55E
Black spot (citrus), Chemical control (plant diseases), Citrus, *Guignardia citricarpa*, Spore germination.
Abstract
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SURVIVAL AND SAPROHYTIC GROWTH OF *VERTICILLIUM DAHLIAE* IN UNCEFFED SOIL.
J D Menzies G E Griebel
Phytopathology 57(7):703-709
Jul 1967 464.E 55E
Soil amendments, Soil moisture, Soil-borne plant diseases, *Verticillium dahliae*.
Abstract
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FACTORS AFFECTING THE PRODUCTION OF PECTINOLYTIC ENZYMES BY *GLUCESPICRUM ESICII*, THE CAUSAL AGENT OF PUUIT ROT OF GUAVA (*ESILIDM GUAJADA* L.).
S K Bidha J S Chohan
Indian Phytopathol 20(3):215-219 REF
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Culture media, Enzymes, Fungus diseases (plants), *Glucosprum psidii*, Guavas.
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FUNGICIDAL ACTIVITY AND PHYTOXICITY OF CERTAIN MERCURIALS USED TO CONTROL *FUSARIUM* BASAL ROT OF *NARCISSUS FULS*.
V I Miller C J Gould
Phytopathology 57(7):777-781 REF
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Basal rot (*narcissus*), Chemical control (plant diseases), Fungicides, *Fusarium*, Mercury compounds.
Abstract
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EFFECT OF LEAF HOST ON YIELD OF SOME STEM RUST RESISTANT VARIETIES OF *FAHAEASHITA*.
M L Mutkekar V F Fhide
Indian Phytopathol 20(3):206-210
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Crop losses, Crop varieties, Crop yields, Fungus diseases (plants), Irrigation, Leaf rust (wheat), Plant disease resistance, Stem rust (wheat), Sulfur.
- 14401-68
PROCESS FOR CONTROLLING FUNGI WITH ITHACONAMIC ESTERS.
PATENT 3,375,45E.
H F Weighliss
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Chemical control (plant diseases), Esters, Fungicides, Methylene-succinamic acid, 2(or 3)-.
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EFFECT OF DECONTAMINATION AND FUNGICIDE ON PERFORMANCE OF TABLE BEET SEED.
N B Beck E E Clark J J Natti
Agron J 59(1):78-80
Jan 1967 4 AM34E
Beets, Dimethylaminobenzenediazo sodium sulfonate, p-, Fungicides, Plant physiology, Seed germination, Seed treatment, Thiram.
Abstract: Decontamination of table beet seedballs had no adverse effects on seed germination, seedling growth, and performance of Arasan and Derox seed treatments. Under dry soil condition Arasan and Derox delayed seedling emergence. Derox also reduced stands. Under moist soil conditions, Arasan and Derox produced significantly more seedlings. Variable soil moisture conditions contributed to significant interactions between planting dates and fungicide or seedball size in field tests.
- 14403-68
EFFECT OF INSECTICIDAL SPRAYS ON STUNT AND MOSAIC VIRUS DISEASES OF CORN IN SMALL FIELD PLOTS IN MISSISSIPPI.
H N Pitre
J Econ Entomol 61(2):585-587 REF
Apr 1968 421 J822
Corn, *Dalbulus maidis*, *Graminella nigrifrons*, Insecticides, Mosaic (corn), Plant disease transmission, Spraying, Stunt (corn).
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IMPATIENS PARVIFLORA DC. - A NATURAL HOST OF CABBAGE BLACK RINGSPOT AND CUCUMBER MOSAIC VIRUSES.
Z Polak
Biol Plant 9(5):354-359 REF
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Black ring spot (cabbage), Cabbage, Cucumbers, *Impatiens parviflora*, Mosaic (cucumbers), Virus diseases (plants), Weeds.
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Z Polak S Henbaner
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Mosaic (*Verbascum*), Plant disease transmission, *Verbascum thapsiforme*, Virus diseases (plants).
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REDUCED WINTER SURVIVAL AND YIELD OF CLOVER INFECTED WITH CLOVER YELLOW MOSAIC VIRUS.
M J Pratt
Can J Plant Sci 47(3):289-294
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Clover, Crop yields, Virus diseases (plants), Yellow mosaic (clover).
Abstract: Yield and stand was recorded of clover infected with CYMV. A pattern of deterioration was established. The involvement of fungal pathogens in further reducing the winter survival of CYMV-INFECTED clover is discussed.
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Chemical control (plant diseases), Dichlorovinyl hydroxyethyl sulfide, 1,2-, Fungicides, Patents.
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CHANGES IN PEACH TREES (CV. RED HAVEN) ATTACKED BY *TAPHRINA DEFORMANS*, WITH PARTICULAR REFERENCE TO NITROGEN METABOLISM IN INFECTED AND NON-INFECTED LEAVES.
V Raggi
Can J Bot 45(4):459-477 REF
Apr 1967 470 C16C
Amino acids, Fungus diseases (plants), Glycolysis, Leaf curl (peaches), Leaves, Nitrogen, Peaches, Plant metabolism, *Taphrina deformans*.
- 14409-68
PREDICTION OF PLANT DISEASE OCCURRENCE: A PATHO-GEOGRAPHICAL APPROACH.
I Heichert J Palti
Mycopathol Mycol Appl 32(4):337-355, MAP, REF
13 Sep 1967 450 M994
Bacterial diseases (plants), Fungus diseases (plants), Plant disease forecasting, Plant ecology, Plant geography, Plant quarantine.
Abstract: This approach may be useful as a basis for quarantine regulations. A further use of this approach is the establishment of seasonal thresholds for plant disease appearance, i.e. dates before which a disease will not occur in a given locality.
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FURTHER STUDIES ON MOSAIC DISEASE OF MAIZE (*ZEA MAYS* L.).
M L Seth S P Baychaudhari
Biol Plant 9(5):372-376 REF
1967 450 B52
Corn, Insect vectors, Mosaic (corn), *Schizaphis graminum*,

- Virus diseases (plants).
Abstract: On basis of similar properties, tolerance towards certain chemicals, host range, symptomatology, aphid vectors, and immunological tests, that maize mosaic virus and sugarcane mosaic virus are related viruses; both were tested in maize
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PHYTOLOGICAL STUDIES ON ANTHRACNOSIS OF DIOSCOREA ALATA L. (FATIU)-YAM.
R U Singh & Frasad
Indian Phytopathol 20(3):224-236 REF
Sep 1967 464.8 INZ
Anthracnose (yams), Climate, Colletotrichum gloeosporioides, Fungus diseases (plants), Temperature, Yams.
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THE SURVIVAL IN SOIL OF ITERSONILIA PASTINACAE CHANNON, THE CAUSE OF PARSHIE CANKER.
F B Smith
Australian J Biol Sci 20(3):447-660 REF
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Canker (parsnips), Fungus diseases (plants), Iterscnilia pastinacae, Mortality, Soil fungi.
Abstract
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Pelargonium, Plant disease control, Virus diseases (plants).
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WOOD TANNINS. ISOLATION AND SIGNIFICANCE IN HOST RESISTANCE TO VERTICILLIUM WILT DISEASE.
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Apricots, Flackheart wilt (apricots), Phenols, Plant disease resistance, Tannins, Verticillium albo-atrum, wood.
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ATTACK OF ONIONS BY PHYTOPTHORA FORRI. (DU)
G M Tichelaar Van & A Kesteren
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Fungus diseases (plants), Leaf spot (onions), Onions, Phytophthora forri.
First record on onions.
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F B Teac
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Citrus, Fungus diseases (plants), Phytophthora, Soil fungi, Soil-borne plant diseases.
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H Urbanek & Maciejewska-Potapczyk T Kowalczyk
Acta Microbiol Polon 16(3):237-242 REF
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Amylase, alpha-, Antimetabolites, Aspergillus oryzae, Nucleic acids, Phosphatases.
Abstract
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OCCURRENCE OF A MOSAIC DISEASE ON BRINJAL.
G S Verma & Lal
Indian Phytopathol 20(3):243-247
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Eggplant, Insect vectors, Mosaic (eggplant), Myzus persicae, Plant disease transmission, Sap, Virus diseases (plants).
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ENDOGENOUS RESPIRATION OF WHEAT STEM RUST UREDOSPORES.
F G Williams & J Allen
Phytopathology 57(7):656-661 REF
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Fungus diseases (plants), Plant respiration, Puccinia graminis, Stem rust (wheat).
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P H Williams & B Yukawa
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Brassica, Cabbage, Clubroot (cruciferae), Electron microscopy, Plasmodiophora brassicae, Ultrastructure.
Abstract
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ELECTRON MICROSCOPY OF DOUBLE-STRANDED RNA INDUCED BY TURNIP YELLOW MOSAIC VIRUS AND TOBACCO MOSAIC VIRUS.
D B Wolstenholme & E Bockstahler
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Cabbage, Electron microscopy, Mosaic (tobacco), Ribonucleic acid, Tobacco, Virus diseases (plants), Yellow mosaic (cabbage).
Abstract
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D E Zimmer & L Urie
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Crop varieties, Fungus diseases (plants), Leaves, Plant disease resistance, Puccinia carthami, Rust (safflower), Seedlings.
Abstract
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THE SADDLE GALL MIDGE (HAPLODIPLOSIIS EQUESTRIS) IN 1967. (SW)
K Andersson
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Chemical control (insects), Diazinon, Grain, Haplodiplosis equestris, Insect traps, Insecticide application.
Trapping determines proper timing of insecticide application.
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THE RELATIVE EFFICIENCY OF AERIAL APPLICATION OF ULTRA-LOW-
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INSECTICIDES.
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Aerial spraying, Emulsions, Formulations,
Insecticide application, Ultra low volume applications.
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R E Enllock
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Biological assay, Cotton, Heliothis virescens, Heliothis zea,
Insect diseases, Polyhedroses, Surface-active agents.
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MISSOURI.
W R Crow E Futtler D M Daugherty
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APHIDIDAE). (CE)
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Aphis farae, Larvae, Phosphorus isotopes, Radioactive tracers.
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Aerial spraying, Agathis pumila, Chemical control (insects),
Coleophora laricella, Helicopters, Larix occidentalis,
Low volume applications, Malathion, Parasitic insects.
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K DeWard
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A P Hird W Santer
J Parasitol 53(6):1262-1269 BEP
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Histochemistry, Larvae, Meloidogyne javanica, Nematodes,
Parasitism, Spectrophotometry.
Abstract: The esophageal regions of second-stage larvae of
M. javanica were examined with UV microspectrograph.
Histochemical tests of both these types of larvae supported
the results with microspectrograph and showed the
content of ducts of subventral esophageal glands change
their chemical composition in 2 to 3 days of entering the
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tive.
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Acetylcholinesterases, Cattle, Cholinesterases,
Fasciola hepatica, Histochemistry.
Abstract: A large quantity of acetylcholinesterases was
found in the muscles of the pharynx, the cirros, the cere-
bral ganglion, and nerves of the liver fluke. In both the
sporocyst and the redia the acetylcholinesterase is located
in the anterior part of the body; in the cercaria, however,
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ACCORDING TO THE CYST FIGURE?. (SW)
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G Videgard
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Grain, Heterodera schachtii, Oats.
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C B Willis L S Thompson
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Alfalfa, Birdsfoot trefoil, Clover, Forage plants, Legumes,
Plant nematodes, Pratylenchus.
Abstract: Pratylenchus more numerous from red clover roots
than from alfalfa, and were extracted from 46 of 70 root
samples.
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Nematodes

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J F Clin
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D J Ormrod A J Renney
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Leaves, Spraying, Stomata, Weeds.
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Pesticide mixtures.
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Spraying, Weed control.
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Herbicides, Lindane, Patents, Preemergence, Weed control.
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BVU virus or mycoplasma were demonstrated in these cultures
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Agglutination test, Carcasses, Cattle, Echinococcosis,
Meat inspection, Taenia saginata.
Abstract: Comparisons of prescribed United States inspec-
tion procedures for bovine cysticercosis with more extensive
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M Egged A De Lange
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Sheep.
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BLOOD.
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Blood, Cattle, Trypanosoma theileri.
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Barley, Cattle, Rumens.
Apparently due to the sharp, hollow hairs on barley.
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Brucellosis, Cattle, Immunization.
Abstract: Of 35 Connecticut cattle classified as brucello-

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J H Gainer
Amer Vet Med Ass J 151(4):421-425 REF
15 Aug 1967 41.8 AM3
Animals, Calves, Encephalomyocarditis viruses, Monkeys, Pesticides, Fcisoring, Rats, Swine.
Abstract: Twenty-four isolations were made from 18 animals representing 8 species, eleven from swine, 114 of which died. In several swine and 1 calf, chemical analysis of tissues intimated complicating chemical poisoning, particularly by pesticides. These isolations suggested a high prevalence of the virus widely distributed in Florida, and that swine and subhuman primates are particularly susceptible. The importance of infection in herbivorous animals and the possible significance of related chemical poisonings to the virus infections are not now known.
- 14510-68
LISTERIC MYELITIS IN SHEEP.
G A Gates D C Plenden I D Kintner
Amer Vet Med Ass J 150(2):200-204 REF
15 Jan 1967 41.8 AM3
Lambs, Listeria monocytogenes, Listeriosis, Mortality, Sheep.
Abstract: Ewe lambs with listeric myelitis characterized by paralysis of one or more limbs had no significant lesions in their brain stems nor any clinical signs related to dysfunction of the brain or cranial nerves. Listeria monocytogenes was isolated from the spinal cords of 2 of the lambs but not from the brains. The flock of which these lambs were a part had a 34 percent (49 of 145 sheep) mortality due to encephalitic listeriosis.
- 14511-68
AVAILABILITY AND UTILIZATION OF MAGNESIUM FROM DOLOMITIC LIMESTONE AND MAGNESIUM OXIDE IN STEERS.
H J Gerken J F Echtenot
J Anim Sci 26(6):1404-1408 REF
Nov 1967 49 J82
Cattle, Diet, Hypomagnesemia, Limestone, Magnesium oxide.
Abstract
- 14512-68
ISOLATION OF SALMONELLA TYPHIMURUM FROM CARRIER PIGS.
B Gitter A B Kidd
Vet Rec 81(14):35E-35S
30 Sep 1967 41.8 V641
Livestock diseases, Salmonella typhimurium, Swine.
- 14513-68
THE DETECTION OF ENZOOTIC PNEUMONIA IN PIG HERDS. I. EIGHT YEARS GENERAL EXPERIENCE WITH A PILOT CONTROL SCHEME.
E E W Godwin E Whittlestone
Vet Rec 81(25):643-647
16 Dec 1967 41.8 V641
Animal diseases, Germ-free life, Pneumonia, Swine.
- 14514-68
PRELIMINARY EXPERIMENTS WITH ANTIGENS OF THEILERIA PARVA (THEILER, 1904).
B N Gordon D W Erocklesby
Brit Vet J 123(12):533-540
Dec 1967 41.8 V643
Antigens, Cattle, Insect vectors, Precipitin test, Bipiceps appendiculatus, Theileria parva.
- 14515-68
PRELIMINARY EVALUATION OF A TRIVALENT BOVINE VACCINE.
A E Granston C J Welter
Vet Med/Small Anim Clin 63(1):56-63 REF
Jan 1968 41.8 M69
Bovine rhinotracheitis vaccines, Bovine virus diarrhoea vaccines, Calves, Parainfluenza-3 virus, Vaccines.
- 14516-68
A CONTAGIOUS FOX DISEASE IN MONKEYS.
A S Ball W E McNdly
Amer Vet Med Ass J 151(7):833-838 REF
01 Oct 1967 41.8 AM3
Epidemiology, Humans, Monkeys, Foxviruses, Skin diseases.
- Abstract: A spontaneously occurring, contagious, epidermal disease in macaques was transmitted to animal handlers. The clinical course and morbid anatomy was characteristic of a pox infection; however, the isolated agent, while morphologically a pox virus, was not a type that is presently known to infect monkeys or man. Although the method of transmission from monkey to monkey is unknown, handlers usually contracted the disease through small scratch wounds on the arms. The disease has a benign and relatively short course.
- 14517-68
EFFECT OF A PENICILLIN-STREPTOMYCIN PREPARATION ON LAMB MORTALITY.
A H Handy D R Redman D S Bell C F Parker
Amer Vet Med Ass J 150(2):196-199 REF
15 Jan 1967 41.8 AM3
Antibiotics, Lambs, Mastitis, Mortality, Penicillin, Pneumonia, Sheep, Streptomycin.
Abstract: Pregnant ewes were treated intramuscularly with penicillin-streptomycin both prior to and after lambing. The same preparation was given to their lambs intramuscularly at birth and twice weekly until they were 30 days old. Mastitis and pneumonia resulting in death occurred in untreated control ewes. Mortality was halved in treated over untreated lambs. Average weight gain was slightly higher in the treated than in the untreated lambs.
- 14518-68
MYCOTIC DERMATITIS IN SHEEP. I. CLINICAL OBSERVATIONS IN GREAT BRITAIN.
C B Hart
Vet Rec 81(2):36-47 REF
08 Jul 1967 41.8 V641
Dermatophilus congolensis, Mycotic dermatitis, Sheep.
Abstract: Disease more severe on back than flanks. Disease activity high during wet season and low during dry season. Distribution of lesions suggests that treatment on back only would be sufficient.
- 14519-68
EVALUATION OF A RAPID WHOLE BLOOD TEST FOR BRUCellosis.
B C Hatfield
Amer Vet Med Ass J 150(3):307-310 REF
01 Feb 1967 41.8 AM3
Agglutination test, Blood, Brucella abortus antigens, Brucellosis, Cattle.
Abstract: Several antigens were tested on the whole blood of almost 1,000 cattle from 8 ranches, and over 7,500 agglutination tests were examined. Tests were done at the site and time of collection of fresh blood, and on citrated blood the following day in the laboratory. Results of whole blood agglutination tests were generally similar to those obtained with standard plate seroagglutination technique. A distinct advantage of this rapid whole blood agglutination technique is a saving in time and labor in screening out reactors and suspects in a brucellosis eradication program.
- 14520-68
THE CONTROL AND ERADICATION OF SALMONELLOSIS IN A CLOSED PIG HERD.
T W Heard N E Jennett A R Linton
Vet Rec 82(4):92-99 REF
27 Jan 1968 41.8 V641
Feces, Infections diseases, Livestock diseases, Nitrofurans, Salmonellosis, Swine.
- 14521-68
CORYNEBACTERIUM ULCERANS INFECTIONS IN A DAIRY HERD.
T M Biggs A Smith L M Cleverly F K Neave
Vet Rec 81(2):34-35
08 Jul 1967 41.8 V641
Cattle, Corynebacterium diphtheriae, Livestock diseases, Mastitis.
Abstract: Udder infection by this bacterium is infrequent. A high proportion of cows, however, may become infected. Cell counts and Whiteside results indicate that infections may be as severe as those of staphylococci and streptococci.
- 14522-68
DETECTION OF CLOSTRIDIUM BOTULINUM TYPE C CELLS AND TOXIN BY THE FLUORESCENT ANTIBODY TECHNIQUE.
B F Dunster M N Rosen
Avian Dis 11(3):345-353 REF
Aug 1967 41.8 AV5
Cells, Clostridium botulinum, Fluorescent antibody technique, Poultry, Toxins.
Abstract

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VIRUS ISOLATION AUS DEN CAECALEN TONSILLEN DES HUHNE
(VIRUS ISOLATION FROM THE CECAL TONSILLS OF HEN).
A S B A Ismail
Mancvcr Tierarztl Hochsch Inaug Diss 19,92P.
1966 41.2 H19E
Poultry, Tonsils, Virus diseases (animals).
- 14524-68
RESEARCH ON THE PROPERTIES OF THE PATHOGENIC ASPERGILLUS;
THE MAJOR SPECIES ASPERGILLUS FUMIGATUS A. CLAVATUS, A.
FLAVUS. (EF.)
J Jacquet F Ecultibcnnes
Acad Vet France Bull 40(4), 165-180. REP.
Apr 1967 41.9 F24
Aspergillus, Aspergillus, Aspergillus clavatus,
Aspergillus flavus, Aspergillus fumigatus, Livestock,
Microbiology.
- 14525-6E
SFOALIC BOVINE ENCEPHALOMYELITIS ISOLATION AND
IDENTIFICATION OF A PSITTACOSIS LYMPHOGRANULOMA
VENEREUM (PLV) AGENT.
Kalmer T Nobel F Neuman U Klcffer
Befuab Vet 24(1):51-43 REP
Mar 1967 41.8 B25
Animal histology, Brain diseases, Cattle, Livestock diseases,
Miyagawaella group viruses,
Sporadic bovine encephalomyelitis.
- 14526-68
THE VAGINAL MUCUS AGGLUTINATION TEST FOR BOVINE VIBRIOSIS.
J W Keudrick
Amer Vet Med Ass J 15D(5):495-498 REP
01 Mar 1967 41.8 AM3
Agglutination test, Cattle, Diagnosis, Vibrio fetus,
Vibriosis.
Abstract: The vaginal mucus agglutination test was found to
be a convenient, accurate method for diagnosing bovine vi-
briosis, based on both experimental and field observations.
Adaptation of a human vaginal tampon decreased the cost and
increased the convenience of the test. Testing in Califor-
nia indicated that vibriosis is an important cause of bo-
vine infertility.
- 14527-6E
STUDIES ON THE DIFFERENTIATION OF MYXOVIRUS INDCED
INTERFERENCE AND ENDOGENOUS PYROGEN FROM RABBITS.
H Kchlhage W Follmann R Siebert
Lif. Sci 7(1):627-633 REP
01 Jun 1968 44.2.8 L62
Biochemistry, Fever, Interferon, Myxoviruses, Rabbits.
Abstract: The fever curve and interferon titer seen after
inoculation of rabbits with myxovirus show striking
similarities. The two substances are however not identical.
They can be separated partially by gel filtration and
totally by fractionated ethanol precipitation. Dialysis
against HCl-HCl buffer pH 2.0 and against urea or 2-
mercaptoethanol shows that the endogenous pyrogen is con-
siderably more labile than interferon.
- 14528-6E
DISTRIBUTION OF VIRUS NEUTRALIZING ANTIBODIES TO DIFFERENT
STRAINS OF BOVINE SARCOMA VIRUS AMONG (NORMAL) CHICKS.
A T Kravchenko A L Altstein E S Vcronin
Arch Gesamte Virusforsch 22(3-4):356-363 REP
1967 44.3 AE23
Antibodies, Chicks, Bovus sarcoma virus, Serodiagnosis.
Abstract: Antibodies of different strains of Bovus sarcoma
virus were found in the sera of about 50 percent of chicks.
Forty percent of chicken sera investigated contained anti-
bodies to the Eryan strain. Antibodies to other strains
of Bovus sarcoma virus were found in a significantly lower
proportion (3-15 percent). Study of the sera of horses im-
munized with allantoic cultures of influenza viruses reveal-
ed antibodies of the Eryan strain but not to the other
strains of Bovus sarcoma virus.
- 14529-6E
THE EFFECT OF MANAGEMENT ON THE INCIDENCE OF CLINICAL
JOHNE'S DISEASE.
A B Larsen E S Merkall
Amer Vet Med Ass J 152(12):1771-1773 REP
41.8 AM3
Animal husbandry, Calves, Cattle, Johne's disease,
Mycobacterium paratuberculosis.
Abstract: The incidence of Johne's disease and the ages at
which clinical signs were observed was compared in 2 herds,
one kept under poor sanitary conditions (herd A) and other
under good sanitary conditions (herd B). Sixty-two per
cent of the calves in herd A developed a sensitivity to
Johne compared with 6.2 per cent of calves in herd B. The
annual incidence of clinical Johne's disease was 4.2 per
cent in herd A and 1.4 per cent in herd B. The highest
incidence of clinical disease was observed in 6- and 7-year-
old cattle in herd A and in 6-, 8-, and 9-year-old cattle
in herd B. These figures were statistically significant,
and cattle in both herds were older when clinical signs of
disease was first observed than previous studies had report-
ed.
- 14530-68
DURATION OF ACQUIRED IMMUNITY OF THE CHICKEN TO EIMERIA
TENELLA INFECTION.
W D Leather W C Eurns
J Parasitol 54(2):227-232 REP
Apr 1968 44.8 J824
Chickens, Coccidiosis, Eimeria tenella, Immunity.
Abstract: The study suggests that chickens, immunized by
multiple dose of E. tenella, develop only a condition of
"relative immunity." Immunity, whereby the host is protect-
ed against fatal E. tenella infection, was found to be
effective for at least 105 days. Complete immunity was not
found in this study.
- 14531-68
SIMULTANEOUS VACCINATION OF CATTLE WITH CONTAGIOUS BOVINE
PLEURO-PNEUMONIA AND GOAT-ADAPTED RINDERPEST VACCINE.
E P Lindley
Hull Epizoot Dis Afr 15(3):221-226
Sep 1967 41.8 B872
Cattle, Immunization, Pleuropneumonia, Rinderpest virus,
Viral vaccines.
- 14532-68
SCRAPIE IN A DORSET HORN EWE.
A I Littlejohn S Terlecki
Vet Rec 81(14):355-357 REP
30 Sep 1967 41.8 V641
Dorset Horn sheep, Livestock diseases, Scrapie.
- 14533-68
EPIZOOTIOLOGY OF BRUCELLOSIS IN A FLOCK OF SHEEP.
D W Luchsinger R K Anderson
Amer Vet Med Ass J 15D(9):1017-1021 REP
01 May 1967 41.8 AM3
Abortion, Agglutination test, Brucella abortus, Brucellosis,
Cattle, Sheep.
Abstract: Brucella abortus type infection was confirmed in
sheep by seroagglutination titers. Ewes aborted or gave
birth to weak lambs. B. abortus type I was isolated from
cattle maintained with the sheep. The extensive spread of
infection within this flock of sheep was attributed to
animal husbandry practices and ecologic conditions.
- 14534-68
IODINE UPTAKE BY OVA OF HENS GIVEN EXCESS IODINE AND EFFECT
UPON OVA DEVELOPMENT.
W A Marcilese B B Barus R M Valsecchi L B Arrington
J Nutr 94(2):117-120
Feb 1968 38.9.8 J82
Chickens, Iodine isotopes, Ova.
- 14535-68
A CLINICAL AND PATHOLOGIC STUDY OF THE MASTITIS-MERITIS
AGALACTIA SYNDROME OF SOWS.
C E Martin B E Cooper C B Armstrong H E Amstutz
Amer Vet Med Ass J 151(12):1629-1634 REP
15 Dec 1967 41.8 AM3
Agalactia, Mastitis, Meritis, Swine.
Abstract
- 14536-68
SALMON POISONING DISEASE. IV. TRANSMISSION OF THE
DISEASE TO DOGS BY NAUPHYETUS SALMINCOLA EGGS.
P A Nyberg S E Knapp R E Hilleman
J Parasitol 53(4):694-699
Aug 1967 44.8 J824
Dogs, Nauphyetus salmincola, Neorickettsia helminthoeca,
Trematoda.
Intraperitoneal injection
Abstract
- 14537-68
COMPARISON OF EDIBLE MICROBIAL INHIBITION RESULTING FROM
VARIOUS ESSENTIAL OILS ISOLATED FROM RELATIVELY
UNPALATABLE PLANT SPECIES.
B K Oh M B Jones W M Longhurst
Appl Microbiol 16(1):39-44
Jan 1968 44.3 AP5

- Cattle, Deer, Essential oils, Microorganisms, Bumen, Weeds.
Abstract
- 14538-6E
EVALUATION OF UREA, FIBRE, UREA PROSEPHATE AND URIC ACID AS NEW SOURCES FOR CATTLE.
E B Oltjen I I Slyter A J Kczak E E Williams
J Nutr 94(2):193-202 REF
Feb 1968 385.8 J82
Animal nutrition, Fiuret, Carbamide phosphoric acid, Cattle, Urea, Uric acid.
Nonprotein nitrogen
Abstract
- 14539-6E
DIROFILARIA TENUIIS CONTAINING MICROFILARIAE IN MAN.
G Facbeco E L Schfield
Amer J Trop Med Hyg 17(2):180-182
Mar 1968 448.8 AB326
Diethylcarbamazine, Dirofilaria, Human diseases, Leukocytosis.
D. tenuis adult female and probable microfilaria found in man. The natural host is raccoon.
- 14540-6E
THE RELATIONSHIP OF EXPOSURE RATE AND EXPOSURE TIME TO RADIATION INJURY IN SHEEP.
N F Page E J Ainsworth G F Lecng
Radiat Res 33(1):94-106 REF
Jan 1968 334.8 E11
Cobalt isotopes, Gamma rays, Injuries, Radiation, Sheep.
Abstract
- 14541-6E
RESISTANCE OF CATTLE TO BRUCELLA ABORTUS FOLLOWING VACCINATION AT 1 AND THREE MONTHS OF AGE.
D R Fedran E I Deyce N B King
Amer Vet Med Ass J 150(4):403-407 REF
15 Feb 1967 41.8 AB3
Abortion, Agglutination test, Brucella abortus, Cattle, Immunization.
Abstract: Of heifers vaccinated at 2 months, 3 became infected and 2 aborted. Three heifers vaccinated at 3 months became infected, 2 of which aborted. Of the pregnant nonvaccinated controls, 4 became infected and aborted. Postvaccinal agglutinin titers were lower and receded to a negative status sooner in cattle vaccinated when 2 and 3 months old. Resistance to infection of 2- and 3-month-old vaccinated cattle compared favorably with resistance previously found in cattle vaccinated when 4 to 8 months old.
- 14542-6E
ETIOLOGY AND DISSEMINATION OF THE BLACKHEAD DISEASE SYNDROME IN TURKEYS AND CHICKENS.
W M Field
Exp Parasitol 21(2):245-275 REF
Oct 1967 436.8 EX7
Arthropoda, Blackhead, Chickens, Earthworms, Eimeria gallinarum, Eimeria tenella, Histocytus meleagridis, Turkeys.
- 14543-6E
STUDIES ON THE MODE OF ACTION OF QUINOLONE AND PYRIDONE COCCIDIOSTATS.
J F Fyfe
J Parasitol 53(6):1151-1160 REF
Dec 1967 448.8 J824
Benzylxy-6-n-butyl-3-methoxycarbonyl quinol-4-one, =7-, Biochemistry, Buguinolate, Chicks, Coccidiosis, Coccidiostats, Eimeria brunetti, Eimeria tenella, Meticlorpindol, Pyridone, Quinolone.
- 14544-6E
REACTIONS FOLLOWING INTRAMAMMARY INFUSION OF E. COLI ENDOTOXIN.
C W Schafer G Ziv-Silberman
Vet Rec 82(4):100-103
27 Jan 1968 41.8 V841
Cattle, Escherichia coli, Lipopolysaccharides, Livestock diseases, Mastitis.
Description of clinical characteristics of sterile endotoxin mastitis observed in nine cows following intramammary infusions of endotoxin.
- 14545-6E
CANINE VACCINATION IN A RURAL OHIO COUNTY.
F R Schnurrenberger J R Bussell
Amer Vet Med Ass J 150(6):621-623 REF
15 Mar 1967 41.8 AB3
Canine distemper, Dogs, Immunization, Rabies, Surveys.
Abstract: A door-to-door census of 33 percent of the households in a rural county in northwestern Ohio revealed that only 22.5 percent of the dogs had been vaccinated against distemper and 8.6 percent against rabies. Vaccination rates were higher among females, purebreds, and dogs over 1 year of age. Geographic location, license status, number of dogs owned, and household size seemed unrelated to vaccination status.
- 14546-6E
THE RECOVERY OF HOG CHOLERA VIRUS FROM SWINE WITH AN IN UTERO INFECTION.
W L Schwartz R F Solcrzano E B Hamilton J E Thigpen
Amer Vet Med Ass J 150(2):192-195 REF
15 Jan 1967 41.8 AB3
Baby pigs, Hog cholera virus, Serum neutralization test, Swine, Uterus.
Abstract: Hog cholera virus was detected in swine 5 months after classical signs and lesions had ceased. The virus was propagated in pregnant sows given anti-hog cholera serum. The occurrence of stillbirth, deformities, and central nervous system disturbances in new born pigs was indicative of an in-utero hog cholera virus infection. Serum-neutralizing hog cholera antibodies were demonstrated in 2 pigs that were euthanized at 3 months of age. There were no apparent signs of illness in these pigs.
- 14547-6E
FILARIASIS OF ELEPHANTS IN CEYLON.
P Seneviratna J E Jayasinghe M R Jaindeen
Vet Rec 81(27):716-717 REF
30 Dec 1967 41.8 V641
Elephants, Filariasis.
22 Domestic elephants infected with what is probably a new species.
- 14548-6E
A COCCIDIA-LIKE ORGANISM ASSOCIATED WITH SUBCUTANEOUS GRANULOMATA IN A DOG.
G C Shelton L D Kintner D O MacKintosh
Amer Vet Med Ass J 152(3):263-267 REF
01 Feb 1968 41.8 AB3
Animal histology, Coccidiosis, Dogs, Granuloma.
Abstract: A disease characterized by proliferating subcutaneous nodules and a nonfebrile wasting illness was observed in a 6-month-old Collie. Histopathologic studies revealed parasitic organisms which morphologically and histologically resembled a subcutaneous form of coccidiosis. The dog apparently recovered; died 2 months later of canine distemper. Organisms resembling coccidia remained in subcutaneous tissues at the time of death.
- 14549-6E
DEVELOPMENT OF A CELL CULTURE SYSTEM SUSCEPTIBLE TO MEASLES, CANINE DISTEMPER, AND RINDERPEST VIRUSES.
A Shishido K Yamanouchi M Hikita T Sato A Fukuda F Kohune
Arch Gesamte Virusforsch 22(3-4):364-380 REF
1967 448.3 AB23
Canine distemper virus, Chick embryos, Culture media, Measles virus, Rinderpest virus, Tissue culture.
Abstract: By using Vero cell adapted strains of canine distemper and rinderpest viruses, techniques of infectivity titration and virus neutralization in Vero cells were established. Comparative studies of cytopathology and growth characteristics of canine distemper, rinderpest, and measles viruses indicated that the behavior of the three viruses in Vero cells is almost the same. The Vero cell system was suggested as a suitable host for the comparative study of the serologic and biologic relationships among measles, canine distemper, and rinderpest viruses.
- 14550-6E
IMMUNOGENIC PROPERTIES OF BABESIAL SERUM ANTIGENS.
K B Sihinovic S Sihinovic M Ristic B W Cox
J Parasitol 53(6):1121-1129 REF
Dec 1967 448.8 J824
Antibodies, Antigens, Immunization, Piroplasmosis, Serum.
Abstract: The presence of antigens found in the sera of horses, dogs, and rats with acute babesiosis was correlated with the appearance and persistence of parasitemia. The data indicate that these serum antigens are probably the significant immunizing substances associated with acute babesiosis. They show a remarkable lack of parasite species specificity in both serologic and immunogenic properties.
- 14551-6E
RELATIONSHIP BETWEEN CALCIUM AND MAGNESIUM BINDING TO FRACTION I CHLOROPLAST PROTEIN AND BLOAT.
F B Stifel B L Vetter R S Allen
J Agr Food Chem 16(3):500-504
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 Antibiotics, Patents, Polymyxin B, Streptomycin, Tetracycline.
- 14553-66
 BRUCELLOSIS. IMMEDIATE MOVEMENT.
 Fed Regist 33(72):5678
 12 Apr 1966 11.451
 Brucellosis, Cattle, Interstate commerce.
- 14554-66
 BRUCELLOSIS. DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS
 AREAS, PUBLIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS,
 AND SLAUGHTERING ESTABLISHMENTS. MODIFIED CERTIFIED
 BRUCELLOSIS AREAS.
 Fed Regist 32(191):13757
 03 Oct 1967 11.451
 Brucellosis, Cattle, Interstate commerce.
- 14555-66
 BRUCELLOSIS. PUBLIC STOCKYARDS.
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 Brucellosis, Infections diseases, Livestock, Stockyards.
- 14556-66
 BRUCELLOSIS IN CATTLE. NOTICE OF PROPOSED RULE MAKING.
 Fed Regist 33(12):633-634
 18 Jan 1968 11.451
 Brucellosis, Cattle, Interstate commerce.
- 14557-68
 CYSTICERCOSIS. RESTRICTIONS ON INTERSTATE MOVEMENT OF
 CATTLE; QUARANTINE.
 Fed Regist 33(71):5613
 11 Apr 1968 11.451
 Cattle, Echinococcosis, Interstate commerce.
- 14558-66
 CYSTICERCOSIS. RESTRICTIONS ON INTERSTATE MOVEMENT OF
 CATTLE. QUARANTINE.
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 Cattle, Echinococcosis, Interstate commerce.
- 14559-66
 SCABIES IN CATTLE. ABFAS QUARANTINE BECAUSE OF SCABIES.
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 Cattle, Interstate commerce, Quarantine, Scabies.
- 14560-66
 BRUCELLOSIS. DESIGNATION OF MODIFIED CERTIFIED BRUCELLOSIS
 AREAS, PUBLIC STOCKYARDS, SPECIFICALLY APPROVED STOCKYARDS,
 AND SLAUGHTERING ESTABLISHMENTS. MODIFIED BRUCELLOSIS AREAS.
 Fed Regist 32(218):15577-15578
 09 Nov 1967 11.451
 Brucellosis, Cattle.
- 14561-66
 ANTIBIOTICS USED IN FOOD-PRODUCING ANIMALS.
 Fed Regist 33(71):5616
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 Antibiotics, Eggs, Livestock, Metabolites, Milk,
 Public health, Residues, Tissues.
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 NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
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 Arsanilic acid, Bnguinolate, Chickens, Chlorotetracycline,
 Coccidiosis, Enteritis, Feed,
 Nitro-4-hydroxyphenylarsonic acid, 3-, Respiratory diseases,
 Synovitis.
- 14563-66
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 TRICRYANATE AND DIMETRIDAZOLE.
 Fed Regist 33(55):4751
 20 Mar 1966 11.451
 Blackhead, Dimetridazole, Erythromycin thiocyanate,
 Feed additives, Tolerances, Turkeys.
- 14564-68
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 AND DIPHENYLSULFONE.
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 Feed additives, Liver diseases.
- 14565-68
 NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE BQUINOLATE.
 Fed Regist 33(55):4751
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 Bnguinolate, Chickens, Coccidiostats, Feed additives.
- 14566-68
 NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE TYLOSIN.
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 Chickens, Feed additives, Respiratory diseases, Tylosin.
- 14567-68
 NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE SODIUM
 ARSANILATE.
 Fed Regist 246(32):20669
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 Blackhead, Feed additives, Sodium arsanilate, Turkeys.
- 14568-68
 NITRODAN; PROPOSED REVOCATION.
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 Anthelmintics, Dogs, Drugs, Nitrodan, Regulations.
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 Blackhead, Carbarsonne, Coccidiosis, Feed additives, Sinusitis,
 Turkeys, Zoalene.
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 NITRODAN; NOTICE OF WITHDRAWAL OF APPROVAL OF NEW-DRUG
 APPLICATION.
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 Ancylostomatidae, Anthelmintics, Dogs, Drugs, Nitrodan,
 Regulations, Toxocara, Uncinaria.
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 DIMETRIDAZOLE, RESERPINE.
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 Blackhead, Dimetridazole, Feed additives, Reserpine, Turkeys.
- 14572-68
 ON THE LONGEVITY OF CYSTICERCUS BOVIS IN VARIOUS ORGANS IN
 A BOVINE.
 L W Van Den Beever
 J Parasitol 53(6):1168
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 Cattle, Cysticercus, Echinococcosis, Longevity, Viscera.
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 RISK OF RESISTANCE TO CHLORAMPHENICOL.
 D A Walker A R Taylor B Richardson
 Vet Rec 82(12):361
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 Antibiotics, Chickens, Chloramphenicol, Erythromycin,
 Escherichia coli, Mycoplasmosis, Preventive medicine.
- 14574-68
 THE TRANSMISSION OF A SPECIFIC ENCEPHALOPATHY OF MINK TO
 THE GOAT.
 I Zlotnik B M Earlow
 Vet Rec 81(2):55-57
 08 Jul 1967 41.8 V641
 Brain diseases, Goats, Minks.
 Compared with scrapie and mink encephalopathy.

Arthropods

- 14575-66
BIOLOGICAL NOTES ON EYE-FREQUENTING MOTHS FROM N. THAILAND.
W Euttiker
Schweiz Entomol Ges Mitt 39(3/4):154-179 REF
15 Apr 1967 420 SW6
Eyes, Geometridae, Insect behavior, Insect biology, Livestock,
Lycaenidae, Mammals, Mermis, Noctuidae, Pyralidae.
- 14576-68
FOROCEPHEALICIS CAUSED BY ARMIILLIFER (NETTOSHYNCHUS)
ARMILLATUS (PENTASTICHIDA) WYMAN 1847 IN CATTLE AND PIG
(MALI AND UPPER VOLTA). (FR.)
A Challier R Gidel S Traore
Rev Elevage Med Vet Pays Trop (N.S.)20(2), 255-259.
1967 41.8 E32E2
Armillifer armillatus, Cattle, Foroccephalosis, Swine.
Abstract
- 14577-68
STUDIES ON THE TRANSMISSION OF SIMIAN MALARIAS. II.
TRANSMISSION OF THE B STRAIN OF PLASMODIUM KNOWLESII
BY ANOPHELES FALABACENSIS FALABACENSIS.
W E Collins F G Contacos E G Quinn
J Parasitol 53(4):641-844
Aug 1967 448.8 J824
Anopheles falabacensis, Insect vectors, Malaria, Monkeys,
Plasmodium knowlesi.
Abstract
- 14578-68
SOME NOTES ON ELEAS (SIPHONAPTERA) OF DOMESTIC ANIMALS
IN NORTHERN TANZANIA (EAST AFRICA).
J E Cooper
Entomologist (London) 101(1257):43-45
Feb 1968 421 EN8
Livestock, Siphonaptera.
- 14579-66
ABERRANT BYPODERMA COVIS INJECTION IN A COW.
J B Greve D B Cassidy
Amer Vet Med Ass J 150(6):627-628 REF
15 Mar 1967 41.8 AM3
Cattle, Bypoderma bovis.
Abstract: An aberrant 3rd instar Bypoderma bovis was
found in a lymph node from a cow. Grossly, the result ant
lymphadenitis resembled tuberculosis. The possibility is
suggested that Bypoderma larvae may persist for several
months anaerobically in bovine tissues.
- 14580-68
CONTROL OF CHICKEN BODY, SHEET, AND WING LICE ON LAYING HENS
BY SELF-TREATMENT WITH INSECTICIDE DUSTS AND GRANULES.
R A Roffman E F Hagan
J Econ Entomol 60(6):1703-1705
Dec 1967 421 J822
Carbophenanthion, Chemical control (insects),
Chloro-1-(2,4,5-trichlorophenyl)vinyl =dimethyl =phosphate =,
Dusting, Iridan, Lipenrus caponis, Menacanthus stramineus,
Menopon gallinae, Poultry, Zytrcn.
Abstract
- 14581-68
THE POSSIBLE EXISTENCE OF TWO STRAINS OF OSTERTAGIA
OSTERTAGI.
J F Michel
Vet Rec 81(27):716
30 Dec 1967 41.8 V641
Cattle, Immunity, Larvae, Ostertagia ostertagi.
- 14582-68
A BIBLIOGRAPHICAL GUIDE TO THE ANIMAL PARASITES AND
VECTOR-BORNE PESTS OF CEYLON.
M A F Senadhira
Ceylon J Sci Biol Sci 6(2):39-216
Feb 1967 475 C33
Animals, Arthropoda, Bibliography, Insect pests, Parasitism.

14583-68
THE FACE FLY, MUSCA AUTUMNALIS (DEE GEER), IN MANITOBA.
D L Smith
Entomol Soc Manitoba Proc 22:30-32,MAP
1966 420 EN88
Cattle, Musca autumnalis, Surveys, Zoogeography.
Abstract

14584-68
ECTOPARASITES OF CANADIAN BIRDS AND MAMMALS.
N Wilson
Entomol Soc Wash Proc 69(4):349-353 REF
Dec 1967 420 W27
Birds, Ixodides, Mammals, Mites, Parasitic insects,
Parasitism.

Parasites

- 14585-68
SHEEP LIVER FLUKE, FACSIOLA HEPATICA L., 1758 FROM
BUFFALO, BISON BISON (L., 1758) IN WESTERN WYOMING.
R C Bergstrom
J Parasitol 53(4):724
Aug 1967 448.8 J824
Bison, Fasciola hepatica.
- 14586-68
FASCIOLIASIS: FIELD TRIALS OF NITROXYNIL IN SHEEP.
A J Colegrave
Vet Rec 81(12):343-348
23 Mar 1968 41.8 V641
Anthelmintics, Fascioliasis, Nitroxinil, Sheep.
Abstract: 20 mg. per kg. injected subcutaneously arrested
mortality in acutely affected flocks. In advanced outbreaks
death was hastened by the drug. 10 mg. per kg. brought
good clinical response and was well tolerated by sheep.
- 14587-68
VETERINARY THERAPEUTICS WITH EMPHASIS ON ANTHELMINTICS.
R B Dunlop
Fed Amer Soc Exp Biol Proc 26(4):1227-1243 REF
Jul 1967 442.9 F31P
Anthelmintics, Helminthiasis, Livestock diseases, Pesticides,
Therapeutics, Veterinary medicine.
- 14588-68
THE HOST-PARASITE INTERFACE OF CYATHOCOTYLE HUSHIENSIS
KRAN, 1962 (TREMATOIDA, STRIGEOIDEA). II. ELECTRON
MICROSCOPE STUDIES ON THE Tegument.
D A Erasmus
J Parasitol 53(4):703-714 REF
Aug 1967 448.8 J824
Cyathocotyle hushiensis, Ducklings, Electron microscopy,
Trematoda.
Abstract
- 14589-68
ULTRASTRUCTURAL ASPECTS OF OOCYTE DEVELOPMENT AND SHELL
FORMATION IN ASCARIS LUMBRICOIDES.
W E Poor
J Parasitol 53(6):1245-1261 REF
Dec 1967 448.8 J824
Animal physiology, Ascariasis, Ascaris lumbricoides, Cytology,
Oogenesis.
Abstract: Oocytes of A. lumbricoides are attached through-
out their development to an axial rachis by means of cyto-
plasmic bridges. Development of the oocytes is synchronous.
The fine structure of the uterine cells is that of typical
secretory cells.
- 14590-68
ON A NEW SPECIES OF THE NEMATODE GENUS CRABERTIA BAILLIET
AND BERRY, 1909 FROM SHEEP IN KASHMIR.
D N Potedar N Bambrro
Indian J Helminthol 19(2):192-196 REF
Sep 1967 436.8 IN2
Chabertia himalayana, Sheep, Taxonomy.
- 14591-68
ACTION OF NAPTALOPROS AND YOMESAN AGAINST ASCARIDIA
GALLI AND REITERARIS GALLINARUM IN CHICKENS.
T S Fox M P Hansen

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Nov 1967 41.8 AV5
Anthelmintics, Ascaridia galli, Cecal worms, Chickens, Diarrhea, Heterakis gallinarum, Naphthalophcs, Yomesan.
- 14552-68
HISTOCHEMICAL STUDIES OF CARBOXYLIC ESTERASE ACTIVITY IN FASCIOLOSI HEPATICA.
D W Halcón
J Parasitol 53(6):1210-1216 REF
Dec 1967 44.8 J824
Acetylcholinesterases, Carboxylesterase, Fasciola hepatica, Histochemistry, Nematodes, Sheep.
- 14593-68
A SURVEY OF INTestinal HELMINTHS IN DOGS FROM ALBUQUERQUE NEW MEXICO.
F E Hathaway
J Parasitol 53(6):1240
Dec 1967 44.8 J824
Cestoda, Climate, Dogs, Helminthology, Intestines, Nematodes, Surveys.
- 14594-66
TOXICITY AND TOXICITY. I. Jacobs
Advances Parasitol 5:1-45 REF
1967 43.6 ADS
Animals, Epidemiology, Toxoplasmosis.
Chiefly medical parasitology.
- 14595-68
HISTOCHEMICAL STUDY OF DRUG EFFECTS ON MICE INFECTED WITH TRICHLORFLUA SPOROZOITES.
Z Rozar J Zarzycki B Seniuta T Martynowicz
Exp Parasitol 21(2):173-185 REF
Oct 1967 43.6 EX7
Enzymes, Glycogenesis, Histochemistry, Mice, Ribonucleic acid, Thiazolyl-benzimidazole, 2-(4-, Trichinella spiralis, Trichlorfon.
Abstract: The changes suggested an inhibition in the metabolism of the muscle tissue, reduced activity of alkaline phosphatase, succinic acid dehydrogenase, and "a" phosphorylase. These drugs also inhibited glycogen synthesis in the larvae and caused a reduction in RNA content.
- 14596-68
THE STRUCTURE OF THE CLEANING BRUSH ON THE PEDIPALPS OF SOME AFRICAN BELEPHYGI (ARACHNIDA).
E F Lawrence
J Zool 154(1):1-8 REF
Jan 1968 410.9 L84F
Electron microscopy, Gastrointestinal system, Nematodes, Nippostrongylus brasiliensis.
- 14597-68
IMMUNITY OF DOGS TO ANCYLOSTOMA BRAZILIENSE INJECTION FOLLOWING VACCINATION WITH X-IRRADIATED ANCYLOSTOMA CANINUM LARVAE.
T A Miller
Amer Vet Med Ass J 150(5):508-515 REF
01 Mar 1967 41.8 AM3
Ancylostoma braziliense, Ancylostoma caninum, Dogs, Immunity, Immunization, X-rays.
Abstract: This interspecific protection, following use of x-irradiated A. caninum vaccine in pups, may have been practical significance in prevention of creeping eruption associated with infection in man with A. braziliense larvae.
- 14598-68
THE BIOLOGY OF THE ACANTHOCEPHALA.
W L Richards
Advances Parasitol 5:205-246 REF
1967 43.6 ADS
Acanthocephala, Arthropoda, Biology.
Includes host-parasite interaction in vertebrate and arthropod hosts.
- 14599-68
METABOLIC TRANSFORMATION OF 14C-GLUCOSE INTO TISSUE PRODUCTS OF ANCYLOSTOMA CANINUM.
M E Perez-Gimenez A Gimenez K Gaede
Exp Parasitol 21(2):215-223 REF
Oct 1967 43.6 EX7
Amino acids, Amino transferases, Ancylostoma caninum, Carbon isotopes, Glucose, Metabolism, Proteins, Radioactive tracers.
Abstract: During the present study C-14-glucose was taken up, actively metabolized by A. caninum, and partially transformed into amino acids and proteins of the parasite. Aminating enzymes are present in the worm homogenates.
- 14600-68
GROWTH OF THE CESTODE RAILLIETINA CESTICILLUS IN BACTERIA-FREE CHICKENS.
W M Reid H Rotero
Exp Parasitol 21(2):149-153
Oct 1967 43.6 EX7
Cestoda, Chickens, Germ-free life, Raillietina cesticillus.
Abstract: Survival rate of antibiotic-sterilized cysticercoids was 21 worms from 145 cysticercoids in bacteria-free tapeworms compared to 30 worms from 133 cysticercoids in similarly parasitized control birds. These trials demonstrated no contribution to or interference from the normal bacterial flora of the digestive tract of the fowl in establishment of infection or in growth rate of the cestode R. cesticillus.
- 14601-68
THE PATHOLOGY OF FASCIOLOSI HEPATICA IN PIGS: A COMPARISON OF THE INFECTION IN PIGS AND OTHER HOSTS.
J G Ross C Dow J B Todd
Brit Vet J 123(7):317-322 REF
Jul 1967 41.8 V643
Fascioliasis, Laboratory animals, Livestock, Swine.
Abstract
- 14602-68
ON THE PSEUDOPHYLLIDEAN GENUS SPIROMETRA MUELLER, 1937 IN INDIAN DOGS.
V K Sahasrabudhe H L Shah
Indian J Helminthol 19(2):87-96 REF
Sep 1967 43.6 IM2
Dogs, Spirometra, Taxonomy.
- 14603-68
INFLUENCE OF PH AND OF SALTS ON THE DEVELOPMENT OF EGGS OF FASCIOLOSI HEPATICA. (EH)
M Saint Guillaum M Pechenr
111(4):251-257
Jun 1967 41.8 AN78
Fasciola hepatica, Hydrogen-ion concentration, Salts.
English and French summaries
Abstract
- 14604-68
THE PRE-INFECTIVE LARVAL STAGES OF STEPHANOPHILARIA ASSAMENSIS, THE CAUSATIVE PARASITE OF BUMPSON OF INDIAN CATTLE.
H D Srivastava S C Dutt R C Malviya
Indian J Helminthol 19(2):81-86 REF
Sep 1967 43.6 IM2
Cattle, Insect vectors, Morphology, Musca condonens, Stephanofilaria assamensis, Vermineous dermatitis.
- 14605-68
INCIDENCE OF TOXOCARA CANIS AND OTHER HELMINTH PARASITES OF DOGS IN MEXICO CITY.
T J Styles
J Parasitol 53(4):822-823 REF
Aug 1967 44.8 J824
Ancylostoma caninum, Dipylidina caninum, Dogs, Echinococcus granulosus, Parasites, Taenia, Toxocara canis.
Abstract
- 14606-68
EXPERIMENTAL ASCARIDIASIS: INFLUENCE OF CHICKEN AGE AND INFECTIVE EGG DOSE ON STRUCTURE OF ASCARIDIA GALLI POPULATIONS.
M S Tongson E M McCraw
Exp Parasitol 21(2):160-172 REF
Oct 1967 43.6 EX7
Aging, Ascariasis, Ascaridia galli, Chickens.
Abstract: The recovery of A. galli from domestic fowl given 1000 infective eggs when 2-, 4-, 6-, 8-, 12-, and 16-weeks old presented a graded population picture with the total worm burden declining with age. Most worms resided in the intestine between the bile duct and Meckel's diverticulum. Both age at infection and infective dose influence the time of appearance of larval precipitates.

40 COMMODITY PROTECTION

Microbial Contamination

14607-6E
AFIATCXIN AND ITS CONTROL.
I A Goldblatt
Econ Ent 22(1):51-62, REF.
Jan 1968 450 EC7
Aflatoxin, Aspergillus, Feed toxicity, Food contamination,
Metabolites, Feannts.

14608-6E
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
Fed Regist 24(32):20668-20669
21 Dec 1967 11.451
Cotton tags, Dried food, Insecticides, Piperonyl butoxide,
Eyrethrin.

Storage Diseases

14609-6E
WHAT VEGETARIANS CAN DO ABOUT THE SALMONELLA PROBLEM.
G B Snoeyink
Amer Vet Med Ass J 151(12):1795-1800 REF
15 Dec 1967 41.6 AM3
Food contamination, Livestock, Man, Salmonella, Wildlife.

Arthropods

14610-6E
THE CONSERVATION OF BUILDING TIMBERS; A STUDY OF THE INCIDENCE OF WOOD-EATING INSECTS AND WOOD-ROTTING FUNGI IN BUILDINGS AND OTHER CONTRIBUTIONS TOWARDS THE CONSERVATION OF BUILDING TIMBERS. TA422.F5.
B E Rickin
144 P. ICKEN BUTCHINSON
1967
Buildings, Fungus diseases (plants), Lumber preservation,
Wood borers, Wood destroying fungi.

14611-6E
WHAT'S BEST FOR CONTROLLING STORED PRODUCTS INSECTS, INCLUDING ECACRES.
J Patton F Fisher I N Febr
Fest Contr 35(11):8,9,11
Nov 1967 445.E EXE
Etonate, Chemical control (insects), Diazinon, Fenthion,
Maled, Scannel, Tribolium castaneum.

14612-6E
WOOD- AND BARK-FEEDING COLEOPTERA OF FELLED WESTERN LARCH IN BRITISH COLUMBIA.
D A Fess
Entomol Soc Brit Columbia Proc 64:23-24
01 Aug 1967 420 B77
Coleoptera, Dendroctonus pseudotsugae, Forest insects,
Larix occidentalis, Logs, Melanophila drummondii,
Serripalpus substriatus, Tetrodium velutinum.
Abstract

14613-68
BARBECUED CHICKEN AS A SOURCE OF FOOD POISONING. (ABSTRACT).
I E Erdman T Barr B Fivnick J I Pataki
Can J Public Health 59(1):32
Jan 1968 449.8 P964
Barbecuing, Chickens, Convenience food, Food poisoning,
Staphylococcus.

14614-68
THE EFFECT OF PH ON THE MULTIPLICATION OF LISTERIA MONOCYTOGENES IN GRASS SILAGE MEDIA.
A D Irvin
Vet Rec 82(4):115-116
27 Jan 1968 41.8 V641
Grass silage, Hydrogen-ion concentration,
Listeria monocytogenes.
In relation to listeriosis outbreaks in cattle and sheep

14615-68
STAPHYLOCOCCUS FOOD POISONING FROM BARBECUED CHICKEN.
B Fivnick T B Barr I E Erdman J I Pataki
Can J Public Health 59(1):30-31
Jan 1968 449.8 P964
Barbecuing, Chickens, Convenience food, Food poisoning,
Staphylococcus.

50 ENVIRONMENTAL CONTAMINATION

55 RESIDUES

- 14616-66
GAS CHROMATOGRAPHY. A METHOD FOR THE DETERMINATION OF PESTICIDE RESIDUES. (SW)
M Akerblom
Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(2):19-21
1967 464.9 S43V
Chromatography, Pesticides, Soil contamination.
- 14617-66
SPECTROPHOTOMETRIC DETERMINATION OF SEVIN IN NATURAL WATERS.
O M Aly
Amer Water Works Ass J 59(7):906-912 REP
Jul 1967 252.5 AM32J
Carbamates, Carbaryl, Chemical analysis, Insecticide residues, Spectrophotometry, Water pollution.
Abstract: A method has been developed of sevin and its hydrolysis product, 1-naphthol. It involves the extraction with chloroform and the hydrolysis of Sevin to 1-naphthol, which reacts with 4-aminoantipyrine and an oxidizing agent in alkaline medium to form a red-colored complex. Ammonia-phosphate buffer was used. Free 1-naphthol is removed by a basic aqueous solution and can be determined separately.
- 14618-66
USE OF SOIL CONTAMINATED WITH SE-90 FOR SEED PRODUCTION.
E J Evans A J Dekker
Can J Plant Sci 47(3):319-320
May 1967 450 C16
Barley, Feed grains, Oats, Seeds, Soil contamination, Soybeans, Strontium isotopes, Wheat.
- 14619-66
PERSISTENCE AND DEGRADATION OF FOUR COMMON ISOMERS OF BENZENE HEXACHLORIDE IN DEWETTED SOILS.
I C Mac Fae K Eagh T F Castro
J Agr Food Chem 15(5):911-914
Sep 1967 381 J8223
Benzene hexachloride, Carbon isotopes, Chilo suppressalis, Chromatography, Degradation, Insecticide residues, Lindane, Radioactive tracers, Rice, Soil microorganisms.
Abstract
- 14620-66
WATER CHEMICAL CONTROLS PSEUDOMONAS AERUGINOSA IN A FARMSTEAD.
E A McDonald A E Finheiro
Amer Vet Med Ass J 151(7):863-864 REP
01 Oct 1967 41.6 AM3
Chlorine, Pseudomonas aeruginosa, Rabbits, Water treatment.
- 14621-66
DEGRADATION OF N-(MERCAPTOETHYL)PHTHALIMIDE-S-(O,O-DIETHYLPHOSPHORODITHIOATE) (IMIDAN) IN SOILS.
J J Henn J B McBain
J Econ Entomol 58(5):875-876
Oct 1965 421 J822
Degradation,
Dimethyl S-phthalimidomethyl phosphorodithioate, O,O-, Insecticide residues, Soil hydrolysis, Soils.
- 14622-66
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. TRIABENDAZOLE.
Fed Regist 33(82):6343-6344
26 Apr 1968 L1.451
Bananas, Fungicide residues, Thiazolyl-benzimidazole, (2-(4-), Tolerances.
- 14623-66
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. S-ETHYL HEXAHYDRO-1 H-AZEPINE-1-CARBOETHIOATE.
Fed Regist 32(212):151D7
D1 Nov 1967 L1.451
Ethyl hexahydro-1h-azepine-1-carboethioate, S, Herbicide residues, Rice, Tolerances.
- 14624-66
A METABOLIC STUDY OF 3-(3,4-DICHLOROPHENYL)-1,1-DIMETHYLDEEA (DIDRON) APPLIED TO CORN SEEDLINGS.
J Agr Food Chem 16(3):426-433
May 1968 381 J8223
Carbon isotopes, Corn, Didron, Herbicide residues, Metabolites, Pesticide analysis, Radioactive tracers.
- 14625-66
WHAT'S BEHIND THE DDT BATTLE?
131(4):28,30,120
Apr 1968
Ddt, Pesticide residues, Tolerances.
- 14626-66
TOXIC GROUNDNUT MEAL: THE RELATIONSHIP BETWEEN AFLATOXIN B1 INTAKE BY COWS AND EXCRETION OF AFLATOXIN M, IN MILK.
E Allcroft B A Roberts
Vet Rec 82(4):116-118
27 Jan 1968 41.8 V641
Aflatoxin, Cattle, Milk, Peanut meal.
Concentration in milk in relation to that in feed .
- 14627-66
QUANTITATIVE MEASUREMENT OF COMBINATIONS OF ARAMITE, DDT, TOXAPHENE, AND ENDRIN IN CROP RESIDUES.
T E Archer
Bull Environ Contamination Toxicol 3(2):71-79
Mar 1968 RA1270.P35A1
Aramite, Chromatography, Crops, Ddt, Endrin, Insecticide residues, Pesticide analysis, Toxaphene.
- 14628-66
BREAKDOWN OF 14C-CHLORFENVINPHOS INSECTICIDE ON CROPS.
R I Beynon A B Wright
19(3):146-153
Mar 1968
Cabbage,
Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, 2-, Corn, Decomposition, Insecticide residues, Potatoes.
- 14629-66
DETERMINATION OF PENTHION AND FIVE OF ITS METABOLITES IN CORN, GRASS, AND MILK.
M C Bowman M Beroza
J Agr Food Chem 16(3):399-402
May 1968 381 J8223
Chromatography, Corn, Penthion, Grasses, Insecticide residues, Metabolites, Milk, Pesticide analysis.
- 14630-66
DETERMINATION OF ALKYL DINITROPHENYL CARBOATES AND OTHER ESTERS, WITH PARTICULAR REFERENCE TO DINOBTION, IN FRESH AND VEGETABLES.
B Crossley V P Lynch
19(2):57-59
Feb 1968
Crops, Insecticide residues, Pesticide analysis.

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- 14631-68
EXCRETION OF EDT BY MIGRATORY BIRDS.
J M Harvey
Can J Zool 45(5):629-633
Sep 1967 470 C16D
Birds, Exrain, Carbon isotopes, Edt, Excreta,
Insecticide residues, Liver, Radioactive tracers, Starlings.
Abstract
- 14632-68
PESTICIDE RESIDUES IN FOODSTUFFS IN GREAT BRITAIN. V.
MALATHION IN IMPURE CEREALS.
E G Hill B H Thompson
19(3):119-124
Mar 1968
Grain, Insecticide residues, Malathion.
- 14633-68
APPLICATION OF THE RAPID MICROMETHOD OF SAMPLE CLEANUP FOR
GAS CHROMATOGRAPHIC ANALYSIS OF COMMON ORGANIC PESTICIDES IN
GROUND WATER, SOIL, PLANT AND ANIMAL EXTRACTS.
A M Kadane
Bull Environ Contamination Toxicol 3(2):65-70
Mar 1968 FA1270.F35A1
Animals, Chromatography, Cleanup, Groundwater,
Pesticide analysis, Pesticide residues, Plants, Soils.
- 14634-68
DIAZINON ABSORPTION, TRANSLLOCATION, AND METABOLISM IN BEAN
PLANTS.
A S H Kanesch T L Hopkins
J Agr Food Chem 16(3):446-450
May 1968 3E1 J8223
Beans, Carbon isotopes, Diazinon, Hydrolysis,
Insecticide residues, Metabolism, Plant translocation,
Radioisotopes.
- 14635-68
RESIDUES IN SPINACH GROWN IN DISULFOTON- AND PHORATE-
TREATED SOIL.
B E Menzer I F Litman
J Econ Entomol 61(1):225-229 BEE
Feb 1968 421 J822
Chromatography, Disulfoton, Food contamination,
Insecticide residues, Pesticide analysis, Phorate,
Soil contamination, Spinach.
Abstract:
the data reported here show that disulfoton and phorate are
extremely persistent in spinach under cold-weather
conditions.
- 14636-68
THE PARTIAL HYDROLYSIS OF 6-CHLOROPICOLINIC ACID IN AQUEOUS
SOLUTION.
C T Bedemann C B Youngson
3(2):57-105
Mar 1968
Hydrolysis, Pesticide residues, Photochemistry.
- 14637-68
THE RATE OF 4-AMINO-3,5,6-TRICHLOROPICOLINIC ACID IN SPRING
WHEAT AND SOIL.
C T Bedemann B W Peikle P Hamilton V S Banks C B Youngson
3(2):80-98
Mar 1968
Amino-3,5,6-trichloropicolinic acid, 4-, Chromatography,
Herbicide residues, Metabolites, Pesticide analysis, Soils,
Synthesis, Wheat.
- 14638-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
4-(METHYLISOPROPYL)-2,6-DINITRO-N,N-DIPROPYLANILINE.
Fed Regist 33(103):7720-7721
25 May 1968 L1.451
Agricultural products, Herbicide residues, Tolerances.
- 14639-68
5,6-DICHLORO-1-PHENOXYCARBONYL-2-TRIFLUOROMETHYLBENZIMID-
AZOLE. NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 33(104):7776
28 May 1968 L1.451
Apples, Insecticide residues, Tolerances.
- 14640-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. 2,4-D.
Fed Regist 32(167):12473
29 Aug 1967 L1.451
D, 2,4-, Grain, Herbicide residues, Tolerances.
- 14641-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
2-CHLORO-4,6-BIS (ISOPROPYLAMINO)-S-TRIAZINE.
Fed Regist 33(109):8337-8338
05 Jun 1968 L1.451
Feed, Forage plants, Grain, Herbicide residues, Tolerances.
- 14642-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(109):8356-8357
05 Jun 1968 L1.451
Endosulfan, Insecticide residues, Lettuce, Soybeans,
Tolerances.
- 14643-68
SUCCINIC ACID 2,2-DIMETHYLHYDRAZIDE. NOTICE OF ESTABLISHMENT
OF TEMPORARY TOLERANCE.
Fed Regist 33(109):8357
05 Jun 1968 L1.451
Peanuts, Pesticide residues, Plant regulators, Tolerances.
- 14644-68
2-METHYL-2-(METHYLTHIO)PROPIONALDEHYDE O-(METHYL-CARBA-MOYL)-
OXIME. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE.
Fed Regist 33(109):8357
05 Jun 1968 L1.451
Cottonseed, Insecticide residues, Potatoes, Temik, Tolerances.
- 14645-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(104):7775
28 May 1968 L1.451
Agricultural products, Herbicide residues, Tolerances.
Mixture of chemicals
- 14646-68
2,4-DICHLOROPHENYL F-NITROPHENYL ETHER. NOTICE OF EXTENSION
OF TEMPORARY TOLERANCES.
Fed Regist 33(104):7775
28 May 1968 L1.451
Agricultural products, Herbicide residues, Tolerances.
- 14647-68
2,4-DICHLOROPHENYL P-NITROPHENYL ETHER. NOTICE OF
ESTABLISHMENT OF TEMPORARY TOLERANCES.
Fed Regist 33(104):7775
28 May 1968 L1.451
Herbicide residues, Tolerances.
- 14648-68
2-(P-TEBT-BUTYLPHENOXY) CYCLOHEXYL 2-PROPYNYL SULFITE.
NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCES.
Fed Regist 33(104):7776
28 May 1968 80 P9492
Prints, Insecticide residues, Nuts, Tolerances.
- 14649-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(162):12068
22 Aug 1967 L1.451
Dimethyl S-phthalimidomethyl phosporodithioate, O,O-
Insecticide residues, Tolerances.
- 14650-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(159):11895
17 Aug 1967 L1.451
Beets, Herbicide residues, Pyrazon, Tolerances.
- 14651-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(66):5377
04 Apr 1968 L1.451
Dichloropropionanilide, 3,4-, Herbicide residues, Rice,
Tolerances.
- 14652-68
NOTICE OF AMENDMENT OF PETITION REGARDING PESTICIDES.
Fed Regist 33(102):7700
24 May 1968 L1.451
Beans, Dichlorvos, Insecticide residues, Peanuts, Rice,
Tolerances.
- 14653-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. EPN.
Fed Regist 33(99):7489
21 May 1968 L1.451
Epn, Insecticide residues, Soybeans, Tolerances.

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- 14654-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(99):7502
21 May 1968 L1.451
Diphenamid, Herbicide residues, Tolerances, Vegetables.
- 14655-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICAL.
Fed Regist 33(105):7850
29 May 1968 L1.451
Fruit, Herbicide residues, Nuts, Tolerances, Trifluralin.
- 14656-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(52):4593
15 Mar 1968 L1.451
Beans, Dichlorvos, Insecticide residues, Peanuts, Rice, Tolerances.
- 14657-6E
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. S-PROPYL DIPHENYLPHOSPHORODITHIOATE.
Fed Regist 33(49):4407
12 Mar 1968 L1.451
Herbicide residues, Peanuts, Propyl dipropylthiocarbamate, s-, Soybeans, Sweetpotatoes, Tolerances.
- 14658-6E
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. EBCSFAPIDCK.
Fed Regist 33(49):4407
12 Mar 1968 L1.451
Insecticide residues, Phosphamidon, Tolerances.
- 14659-6E
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(62):5174
29 Mar 1966 L1.451
Apples, Insecticide residues, Tetrasul, Tolerances.
- 14660-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(62):5174
29 Mar 1966 L1.451
Diphenamid, Herbicide residues, Pesticide analysis, Potatoes, Tolerances.
- 14661-6E
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(62):5173
29 Mar 1968 L1.451
Apples, Chipmunk EF-11974, Cottouseed, Grapes, Insecticide residues, Pears, Potatoes, Tolerances.
- 14662-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(84):5273
02 Apr 1968 L1.451
Insecticide residues, Malathion, Pesticide analysis, Sorghum, Tolerances.
- 14663-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(64):5273
02 Apr 1968 L1.451
Herbicides, Pesticide analysis, Pesticide residues, Soybeans, Tolerances.
- 14664-6E
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(31):2961-2962
14 Feb 1968 L1.451
Cottonseed, Insecticide residues, Temik, Tolerances.
- 14665-6E
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(29):2884
10 Feb 1968 L1.451
Agricultural products, Binapacryl, Food contamination, Insecticide residues, Tolerances.
- 14666-6E
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O,O-DIMETHYL S-(4-OXO-1,2,3-BENZOTRIAZIN-3(4H)-YLMETHYL) PHOSPHORODITHIOATE.
Fed Regist 33(34):3111
17 Feb 1968 L1.451
Aziuphosmethyl, Insecticide residues, Tolerances.
- 14667-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. 2,2-DICHLOROVINYL DIMETHYL PROSPHATE.
Fed Regist 33(34):3112
17 Feb 1968 L1.451
Insecticide residues, Naled, Tolerances, Tomatoes.
- 14668-68
FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. O,O-DIMETHYL S-(4-OXO-1,2,3-BENZOTRIAZIN-3(4H)-YLMETHYL) PHOSPHORODITHIOATE.
Fed Regist 33(34):3112
17 Feb 1968 L1.451
Aziuphosmethyl, Cattle, Goats, Insecticide residues, Sheep, Sugarcane, Tolerances.
- 14669-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Cucurbitaceae, Herbicide residues, Tolerances, Trifluralin.
- 14670-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Dimethyl S-phthalimidomethyl phosphorodithioate, O,O-, Insecticide residues, Tolerances.
- 14671-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Fungicides, Peanuts, Pesticide residues, Tolerances, Triphenyltin hydroxide.
- 14672-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(43):4116
02 Mar 1968 L1.451
Butoxy polypropylene glycol, Insecticide residues, Meat, Milk, Tolerances.
- 14673-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(40):3444
28 Feb 1968 L1.451
Agricultural products, Bis-(2,4-dichlorophenoxyethyl) phosphite, Herbicide residues, Tolerances, Tris-(2,4-dichlorophenoxyethyl) phosphite. Mixture of chemicals
- 14674-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(54):47C1
19 Mar 1968 L1.451
Chloro-R-isopropylacetanilide, 2-, Herbicide residues, Metabolites, Soybeans, Tolerances.
- 14675-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O-ETHYL S-PHENYL ETHYLPHOSPHODITHIOATE.
Fed Regist 32(169):12604
31 Aug 1967 L1.451
Ethyl S-phenyl ethylphosphodithioate, O-, Insecticide residues, Tolerances.
- 14676-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(24):2575
03 Feb 1968 L1.451
Insecticide residues, Phorate, Potatoes, Tolerances.
- 14677-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(24):2575
03 Feb 1968 L1.451
Fruit, Fungicide residues, Streptomycin, Tolerances.
- 14678-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(24):2575
03 Feb 1968 L1.451
Diazinon, Insecticide residues, Tolerances.

- 14679-6E
EFFECTS OF REDUCTION OF TOLERANCES IN OR ON RAW AGRICULTURAL
COMMODITIES.
Fed Regist 33(26):2787-2788
05 Feb 1968 L1.451
Agricultural products, Ddt, Insecticide residues, Tolerances.
- 146E0-6E
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):12067
22 Aug 1967 L1.451
Difolatan, Fungicide residues, Tolerances.
- 146E1-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11448-11449
08 Aug 1967 L1.451
Fungicide residues, Maneb, Tolerances, Zineb.
- 146E2-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11448-11449
08 Aug 1967 L1.451
Cynodon dactylon, Dinron, Herbicide residues, Tolerances.
- 146E3-6E
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
Fed Regist 32(152):11650-11651
11 Aug 1967 L1.451
Azinphosmethyl, Insecticide residues, Soybeans, Tolerances.
- 146E4-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11896
17 Aug 1967 L1.451
Beets, Herbicide residues, Propyl butylethylthiocarbamate, S-,
Tolerances, Tomatoes.
- 146E5-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(138):10615
19 Jul 1967 L1.451
Chlorobenzene, N-diallylacetyl, alpha-, Crops, Herbicides,
Pesticide residues, Tolerances.
- 146E6-6E
NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 32(158):10615
19 Jul 1967 L1.451
Apples, Butyl-4,6-dinitrophenyl isopropyl carbonate, 2-sec-,
Dinitrobutylphenol, Insecticide residues, Metabolites, Pears,
Tolerances.
- 146E7-6E
NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 32(146):11091
29 Jul 1967 L1.451
Herbicide residues, Sugarcane, Tolerances, Trifluralin.
- 146E8-6E
NOTICE OF ESTABLISHMENT OF PESTICIDE AND FOOD ADDITIVE
TOLERANCES.
Fed Regist 32(147):11157
01 Aug 1967 L1.451
Ddt, Hops, Insecticide residues, Tolerances.
- 146E9-6E
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
1,1-BIS(4-CHLOROPHENYL)-2,2,2-TRICHLOROETHANOL.
Fed Regist 32(149):11263-11264
03 Aug 1967 L1.451
Dicofol, Bay, Insecticide residues, Tolerances.
- 14690-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(151):11389-11390
05 Aug 1967 L1.451
Atrazine, Herbicide residues, Tolerances.
- 14691-6E
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11449
08 Aug 1967 L1.451
Corn, Ethyl diisobutylthiocarbamate, S-, Herbicide residues,
Tolerances.
- 14692-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(152):11449
08 Aug 1967 L1.451
Dichlorvos, Insecticide residues, Tolerances, Tomatoes.
- 14693-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDE
CHEMICALS.
Fed Regist 33(55):4751
20 Mar 1968 L1.451
Amino-3,5,6-trichloropicolinic acid, Herbicide residues,
Tolerances.
- 14694-68
NOTICE OF WITHDRAWAL OF PETITIONS FOR PESTICIDE AND FOOD
ADDITIVE MANEB (MANGANESE ETHYLENERISDITHIOCARBAMATE).
Fed Regist 246(32):20669-20670
21 Dec 1967 L1.451
Feed additives, Fungicide residues, Grain, Maneb, Tolerances.
- 14695-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 246(32):20669
21 Dec 1967 L1.451
Dinron, Bay, Herbicide residues, Nuts, Tolerances.
- 14696-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 246(32):20669
21 Dec 1967 L1.451
Beets, Herbicide residues, Fyrazon, Sugar beets, Tolerances.
- 14697-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 246(32):20669
21 Dec 1967 L1.451
Dimethoate, Insecticide residues, Lemons, Oranges, Tolerances.
- 14698-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(205):14670-14671
21 Oct 1967 L1.451
Alfalfa, Cattle, Endosulfan, Insecticide residues, Tolerances.
- 14699-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(219):15647
10 Nov 1967 L1.451
Dodine, Fungicide residues, Peanuts, Pecans, Tolerances,
Walnuts.
- 14700-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(219):15647
10 Nov 1967 L1.451
Gibberellic acid, Pesticide residues, Plant regulators,
Tolerances.
- 14701-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(219):15647
10 Nov 1967 L1.451
Benzamidoxyacetic acid, Herbicide residues, Sugar beets,
Tolerances.
- 14702-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(221):15721
15 Nov 1967 L1.451
Corn, Herbicide residues, Tolerances,
Trichlorobenzyl chloride.
- 14703-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(223):15848
17 Nov 1967 L1.451
Insecticide residues, Mirex, Tolerances.
- 14704-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(223):15849
17 Nov 1967 L1.451
Fungicide residues, Metabolites, Tolerances.
- 14705-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(232):16507
01 Dec 1967 L1.451
Amino-3,5,6-trichloropicolinic acid, 4-, Barley, Grasses,

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- Herbicide residues, Cats, Sugarcane, Tolerances, Wheat.
- 14706-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):306
09 Jan 1968 L1.451
Chipman BF-11974, Cottonseed, Fruit, Insecticide residues, Potatoes, Tolerances.
- 14707-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):306
09 Jan 1968 L1.451
Herbicide residues, Tolerances, Trifluralin.
- 14708-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):307
09 Jan 1968 L1.451
Barley, Corn, Dicamba, Herbicide residues, Metabolites, Oats, Tolerances, Wheat.
- 14709-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(11):598
17 Jan 1968 L1.451
Chlorzoxazole, Cottonseed, Insecticide residues, Tolerances, Walnuts.
- 14710-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(11):598
17 Jan 1968 L1.451
Bananas, Fungicides, Pesticide residues, Thiazolyl-benzimidazole, 2-(4-, Tolerances.
- 14711-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(12):650
18 Jan 1968 L1.451
Celery, Insecticide residues, Methoxychlor, Potatoes.
- 14712-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(12):651
16 Jan 1968 L1.451
Insecticide residues, Methyl N-(methylcarbamoyl)oxythioacetimidate, S-, Tolerances.
- 14713-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(12):651
18 Jan 1968 L1.451
Insecticide residues, Meat, Milk, Octylbicycloheptenedicarboximide, N-, Tolerances.
- 14714-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
Fed Regist 33(71):5635
11 Apr 1968 L1.451
Disulfoton, Insecticide residues, Tolerances, Wheat.
- 14715-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(20):1214
30 Jan 1968 L1.451
Insecticide residues, Meat, Milk, Pyrethrin, Tolerances.
- 14716-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(20):1214
30 Jan 1968 L1.451
Herbicide residues, Isopropyl N-(3-chlorophenyl)carbamate, Tolerances.
- 14717-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(174):12868
08 Sep 1967 L1.451
Demeton, Insecticide residues, Tolerances.
- 14718-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(176):12961
12 Sep 1967 L1.451
Insecticide residues, Malathion.
- 14719-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(176):12961-12962
12 Sep 1967 L1.451
Herbicide residues, Peanuts, Potatoes, Propyl dipropylthiocarbamate, S-, Soybeans, Tolerances.
- 14720-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(182):13299
20 Sep 1967 L1.451
Cottonseed, Insecticide residues, Teak, Tolerances.
- 14721-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(185):13424
23 Sep 1967 L1.451
Ethylamino)-4-(isopropylamino)-6-(methylthio)-s-triazine, 2-, Herbicide residues, Tolerances.
- 14722-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(186):13466
26 Sep 1967 L1.451
Insecticide residues, Tolerances, Trichlorfon.
- 14723-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(187):13543
27 Sep 1967 L1.451
Epn, Insecticide residues, Soybeans, Tolerances.
- 14724-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(190):13734
30 Sep 1967 L1.451
Chloro-N-isopropylacetanilide, 2-, Herbicide residues, Metabolites, Soybeans, Tolerances.
- 14725-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(206):14698
24 Oct 1967 L1.451
Ethyl dipropylthiocarbamate, S, Herbicide residues.
- 14726-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(207):14791
25 Oct 1967 L1.451
GS-13005, Insecticide residues, Tolerances.
- 14727-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 32(202):14407
18 Oct 1967 L1.451
Herbicide residues, Metolachlor, Potatoes, Tolerances.
- 14728-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(221):15721
15 Nov 1967 L1.451
Citrus, Fungicide residues, Maneb, Tolerances.
- 14729-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(232):16508
01 Dec 1967 L1.451
Azodrin, Insecticide residues, Soybeans, Tolerances.
- 14730-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(233):16539
02 Dec 1967 L1.451
Fungicide residues, Tetrachloroisophthalonitrile, Tolerances.
- 14731-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(233):16539
02 Dec 1967 L1.451
Dichlorallyl diisopropylthiocarbamate, S-2,3-, Herbicide residues, Tolerances.
- 14732-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(233):16539
02 Dec 1967 L1.451
Chloro-N,N-diallylacetamide, alpha-, Herbicide residues, Tolerances.

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- 14733-66
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):307
09 Jan 1968 L1.451
Corn, Herbicide residues, Tolerances,
Trichloroethyl chloride.
- 14734-66
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(5):306-307
09 Jan 1968 L1.451
Dichloropropanilide, 3:,4:, Herbicide residues, Rice,
Tolerances.
- 14735-66
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(75):5696
17 Apr 1968 L1.451
Bicyclopentyl-N-methyl-N-methoxyurea, N-(p-
Herbicide residues, Potatoes, Tolerances.
- 14736-66
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(79):6190
23 Apr 1968 L1.451
Benzimidazoleacetic acid, Herbicide residues, Sugar beets.
- 14737-66
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 33(2):64
04 Jan 1968 L1.451
Cotton, Cottonseed, Defoliants, Endothal, Herbicide residues,
Tolerances.
- 14738-66
PROPOSED REDUCTION IN TOLERANCE IN CORN BANANAS.
Fed Regist 33(85):6860-6861
07 May 1968 L1.451
Bananas, Corn, Herbicide residues, Nuts, Tolerances.
- 14739-66
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. N-BUTYL-
N-ETHYL-ALPHA, ALPHA, ALPHA-TRIFLUORO-2,6-DINITRO-P-TOLUIDINE.
Fed Regist 32(192):13807
04 Oct 1967 L1.451
Alfalfa, Birdsfoot trefoil,
Ethyl-N-ethyl-alpha-trifluoro-2,6-dinitro-p-toluidine, N-
Clover, Herbicide residues, Peanuts, Tolerances.
- 14740-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(185):13423-13424
23 Sep 1967 L1.451
Chloro-2-nitropropane, 1-, Fungicide residues, Tolerances.
- 14741-68
NOTICE OF WITHDRAWAL OF PETITIONS FOR PESTICIDE CHEMICAL AND
FOOD ADDITIVE NICKEL SULFATE.
Fed Regist 32(202):14407
18 Oct 1967 L1.451
Fungicide residues, Nickel sulfate, Tolerances.
- 14742-68
NOTICE OF WITHDRAWAL OF PETITIONS FOR PESTICIDE CHEMICAL AND
FOOD ADDITIVE.
Fed Regist 33(86):6753
02 May 1968 L1.451
Azinphosethyl, Cottonseed, Food additives,
Insecticide residues, Potatoes, Soybeans, Tolerances.
- 14743-68
NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES.
Fed Regist 33(71):5635
11 Apr 1968 L1.451
Azinphosmethyl, Food additives, Insecticide residues,
Soybean oil, Tolerances.
- 14744-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDES.
Fed Regist 33(12):651
18 Jan 1966 L1.451
D, 2,4-, Herbicide residues, Tolerances.
- 14745-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. N-BUTYL-
N-ETHYL-ALPHA, ALPHA, ALPHA-TRIFLUORO-2,6-DINITRO-P-TOLUIDINE.
Fed Regist 32(235):17472
06 Dec 1967 L1.451
Alfalfa, Birdsfoot trefoil,
Ethyl-N-ethyl-alpha-trifluoro-2,6-dinitro-p-toluidine, N-
Clover, Herbicide residues, Lettuce, Peanuts, Tolerances.
- 14746-68
CIS-2,3,5,5-PENTACHLORO-4-KETOPENTENOIC ACID; NOTICE OF
ESTABLISHMENT OF TEMPORARY TOLERANCE.
Fed Regist 32(179):1314E
15 Sep 1967 L1.451
Cottonseed, Defoliants,
Pentachloro-4-ketopentenoic acid, cis-2,3,5,5,5-
Pesticide residues, Tolerances.
- 14747-68
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
Fed Regist 33(71):5635
11 Apr 1968 L1.451
Cattle, Dimethoate, Feed, Food additives,
Insecticide residues, Tolerances.
- 14748-68
NOTICE OF FILING OF PESTICIDE AND FOOD ADDITIVE PETITIONS.
Fed Regist 32(223):15849
17 Nov 1967 L1.451
Azinphosethyl, Cottonseed, Insecticide residues, Potatoes,
Soybeans, Tolerances.
- 14749-68
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICAL.
Fed Regist 33(89):6890
07 May 1968 L1.451
Herbicide residues, Sugar cane, Tolerances, Trifluralin.
- 14750-68
NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES.
Fed Regist 32(203):14568-14569
19 Oct 1967 L1.451
Insecticide residues, Potatoes, Temik, Tolerances.
- 14751-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
2-CHLORO-N-ISOPROPYLACETANILIDE.
Fed Regist 32(210):14944
28 Oct 1967 L1.451
Chloro-N-isopropylacetanilide, 2-, Corn, Herbicide residues,
Sorghum, Tolerances.
- 14752-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O,O-
DIETHYL S-2-(ETHYLTHIO)ETHYL PHOSPHORODITHIOATE.
Fed Regist 32(193):13863
05 Oct 1967 L1.451
Coffee, Corn, Demeton, Disulfoton, Insecticide residues,
Sugar cane, Tolerances.
- 14753-68
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE
CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.
O,O-DIETHYL O-(2-ISOPROPYL-4-METHYL-6-PYRIMIDINYL)
PHOSPHORODITHIOATE.
Fed Regist 32(233):16529
02 Dec 1967 L1.451
Diazinon, Insecticide residues, Tolerances.

60 TOXICOLOGY

- 14754-6E
INTERACTION OF DDT AND THE GASTROINTESTINAL MICROFLORA OF THE RAT.
E C Fraunberg V Beck
J Agr Food Chem 16(3):451-453
May 1968 3E1 J8223
Bacteria, DDT, Feces, Gastrointestinal system, Metabolites, Fats.
- 14755-6E
FOISCHING GULLS WITE ALPHA-CLORALOSE NEAR A NEW ZEALAND AIRFIELD.
T A Caithness
J Wildlife Manage 32(2):279-286
Apr 1968 410 J827
Aircraft, Bird control, Chloralose, Gulls.
- 14756-6E
BACCATIC AND TOXIC ACTION OF ORGANIC COMPOUNDS ON EMBRYOIC LARVAE.
D J Crisp A C Christie A E A Ghobashy
Compar Biochem Physiol 22(3):629-649 REF
Sep 1967 444.E C75
Embryos, Narcotics, Organic compounds, Toxicity.
Abstract
- 14757-6E
TEMIK-S35 METABOLISM IN A LACTATING COW.
W B Dornough G W Ivie
J Agr Food Chem 16(3):460-464
May 1968 3E1 J8223
Cattle, Feces, Metabolites, Milk, Temik, Urine.
- 14758-6E
SECONDARY FOISCHING ASSOCIATED WITH ANTICOAGULANT-KILLED MICE.
J Evars A I Ward
Amer Vet Med Ass J 151(7):856-861 REF
01 Oct 1967 41.E AM3
Anticoagulants, Dogs, Meat, Minks, Nutria, Poisoning.
Abstract: Secondary poisoning resulted when meat from anticoagulant-killed nutria was fed to commercial mink and mongrel dogs. This occurred with both the coumatral and indandione anticoagulants; the coumatral group was represented by 3-(1'-(p-chlorophenyl)-propyl)-4-oxycoumatral, and a warfarin and sulfaginoxaline preparation. The indandione group by diphacinone, pindone, and 2-isovaleryl-1,3-indandione calcium salt. Mink and dogs died directly from eating the meat, and a mink and 2 dogs died from hemorrhage when blood samples were taken. Bioassay showed that the poison accumulated in the livers of nutria killed with the coumatral. The demand for nutria as mink and pet food rules out use of these rodenticides for nutria control.
- 14759-6E
SELECTIVE SYNERGISM OF CARBAMATE INSECTICIDES ON HOUSEFLIES BY ARYLALKYLAMINES.
M A Ebbey E T Gordon
J Econ Entomol 58(3):451-455, BRL. 455, TABS.
Jun 1965 421 J822
Aryloxyalkylamines, Carbamates, Insecticide synergists, Musca domestica.
- 14760-6E
ASPIRIN FOISCHING IN THE CAT.
J D Berrigessell
Amer Vet Med Ass J 151(4):452-455 REF
15 Aug 1967 41.E AM3
Acetylsalicylic acid, Cats, Gastritis, Hepatitis, Poisoning.
Abstract: A clinical case of aspirin poisoning in the cat is described; the outstanding clinical signs being hyperpnea, hyperpyrexia, depression, and death. This syndrome was experimentally induced in 3 cats, at doses of 5 gr. h.i.d. Pathologic lesions of toxic hepatitis and gastritis were found in all 4 cats.
- 14761-68
AN ATTEMPT TO PRODUCE CHRONIC NITRITE TOXICOSIS IN SWINE.
W T London W Hendersen R F Cross
Amer Vet Med Ass J 150(4):398-402 REF
15 Feb 1967 41.E AM3
Blood analysis, Methemoglobinemia, Nitrites, Poisoning, Potassium nitrite, Swine.
Abstract: Potassium nitrite was administered orally to pigs to determine the toxic and lethal levels and to measure the methemoglobin response, and other pigs were given sublethal levels to determine the effects of prolonged intake. Pigs given single oral dose ranging from 12.2 to 19.8 mg. per kilogram of body weight developed clinical methemoglobinemia. Pigs given 21.3 mg./kg. or more died. Death occurred when the methemoglobin level reached 76 to 82 percent. Prolonged sublethal intake had little effect on average daily gain or feed conversion. Hemoglobin, packed cell volumes, and total leukocyte counts gradually increased. Serum vitamin A and E levels became lower, but neither clinical signs nor lesions were produced. Growing pigs can tolerate high levels of nitrite over a long period without serious effects.
- 14762-68
THE SAFE USE OF PESTICIDES.
L Lykken
Agr Chem 22(9):35-36
Sep 1967 381 AG8
Accident prevention, Pesticides, Poisoning.
- 14763-68
THE INFLUENCE OF DIET ON TOXICITY OF THE ANTIOXIDANT 1,2-DIHYDRO-6-ETHOXY-2,2,4-TRIMETHYLQUINOLINE.
R E March J Biely V Coates
Can J Physiol Pharmacol 46(2):145-149 REF
Mar 1968 444.8 C16
Antioxidants, Chicks, Diet, Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline, 6-, Feed additives, Proteins.
English and french abstracts
Abstract: Toxicity to chicks of 1,2-dihydro-6-ethoxy-2,2,4-trimethylquinoline (EQ) was significantly greater when the diet was low in protein. When fat supplementation of the diet enhanced EQ toxicity the effect appeared to result from an increase in the energy: protein ratio of the diet rather than from the fat itself. The concentration of EQ in the livers of chicks fed 0.25 percent EQ for 6 weeks was significantly higher when the dietary level of protein was 17 percent than when the level was 23 percent.
- 14764-68
FLUOROSIS IN A HERD OF CATTLE IN KENYA.
M Murray
Bull Epizoot Dis Afr 15(3):259-262
Sep 1967 41.8 B872
Cattle, Fluorosis, Poisoning.
- 14765-68
ETHYLENE GLYCOL POISONING IN POULTRY.
C Riddell S W Nielsen E J Kersting
Amer Vet Med Ass J 150(12):1531-1535 REF
15 Jun 1967 41.8 AM3
Calcium oxalate, Chickens, Ethylene glycol, Geese, Poisoning.
Abstract: A field case of suspected ethylene glycol poisoning in geese is described in which the principal lesions were calcium oxalate crystals in renal tubules and walls of cerebral vessels. Chickens were experimentally exposed to EG in drinking water. All birds given 25.0 ml./L. or more had renal oxalosis. Birds on continuous lower levels for 2 weeks were not affected clinically, but some had calcium oxalate crystals in the renal tubules.
- 14766-68
CHEMOSTERILANT PROPERTIES, CYTOTOXICITY, AND MAMMALIAN TOXICITY OF APROLATE AND OTHER P-N RING CHEMICALS.
S S Ristich R B Ratcliffe D Perlman
J Econ Entomol 58(5):929-932
Oct 1965 421 J822
Aprolate, Chemosterilants, Mammals, Mice, Musca domestica, Toxicity.
- 14767-68
CHLORDANE AS A POSSIBLE TOXIC HAZARD IN BEEKEEPING.
W A Stephen E Rodgson
J Econ Entomol 55(3):409
Jun 1962 421 J822
Apiculture, Bees, Beeswax, Chlordane, Toxicology.

14768-6E
FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION.
OXYTETRACYCLINE, CARBECYCIN.
Fed Regist 33(2):73
04 Jan 1968 L1.451
Carbocycin, Chickens, Food additives, Oxytetracycline,
Respiratory diseases, Tolerances.

14765-6E
TEMPORARY ADSORPTION ON A SUBSTRATE OF AN OIL-SPILL REMOVER
(DETERGENT); TESTS WITH LARVAE OF SABELLARIA SPINULOSA.
D F Wilscr
Mar Biol Ass Uk J 48(1):183-186
Feb 1968 442.5 M331
Aquatic animals, Detergents, Larvae, Toxins.

14770-6E
PROPERTIES OF TOXIC PESCUD EXTRACTS. (ABSTRACT).
S J Yau C E Jacobson
J Dairy Sci 51(4):625
Apr 1968 44.8 J822
Acids, Animal physiology, Chromatography, Festuca,
Poisonous plants, Fats.
Abstract of paper presented at the American Dairy Science
Association Southern Division annual meeting, Louis-
ville, Feb. 5-7, 1968

65 PLANT PHYSIOLOGY AND BIOCHEMISTRY

14771-68
THE EFFECT OF WILTING ON REDOX POTENTIAL OF CEREAL LEAVES.
J Beuada
Biol Plaut 9(6):447-453
1967 450 B52
Fungus diseases (plants), Grain, Leaves,
Oxidation-reduction potential, Plant disease resistance,
Plant water relations.
Abstract: The redox potential of wilted leaves of cereal
seedlings grown in a greenhouse was higher than in fresh
leaves. The cause of the change redox potential is dis-
cussed in connection with the outgrowth of cereals and resis-
tance against obligate parasites.

14772-68
PRODUCTION OF AFLATOXINS B1 AND G1 IN CHEMICALLY DEFINED
MEDIUM.
N D Davis U L Dieuer V P Aguihotri
Mycopathol Mycol Appl 31(3-4):251-256
28 Apr 1967 450 M994
Aflatoxin, Aspergillus flavus, Culture media.

14773-68
METHOD OF CONTROLLING PLANT GROWTH. PATENT 3,375,096.
T A Girard
US Patent Office Offic Gaz 848(4):1022
26 Mar 1968 156.65 OF2
Chlorinated hydrocarbons, Patents, Plant growth inhibitors.

14774-68
DEPENDENCE OF LONGITUDINAL GROWTH OF THE HYPOCOTYLS OF
LACTUCA SATIVA L. ON THE LEVEL OF EXOGENOUS GIBBERELLIN
GA3 AND ON THE TYPE OF ILLUMINATION.
J Bradilik
Biol Plaut 9(5):368-371
1967 450 B52
Fluorescent lamps, Gibberellic acid, Lettuce, Light,
Plant physiology.

14775-68
EFFECTS OF DIRECT CONTACT OF PINE SEEDS OR YOUNG SEEDLINGS
WITH COMMERCIAL FORMULATIONS, ACTIVE INGREDIENTS, OR INERT
INGREDIENTS OF TRIAZINE HERBICIDES.
T T Kozlowski S Sasaki
Can J Plant Sci 48(1):1-7 REP
Jan 1968 450 C16
Atrazine, Herbicides, Pinus resinosa, Propazine, Seedlings,
Seeds, Simazine, Tree injuries, Triazines.
Abstract

14776-68
THE GROWTH OF VARIOUS FILAMENTOUS FUNGI AND YEASTS ON
N-ALKANES AND KETONES. I. STUDIES ON SUBSTRATE
SPECIFICITY.
C E Lowery J W Foster P Jurtschuk
Arch Mikrobiol 60(3):246-254 REP
09 Jan 1968 442.8 AB26
Culture media, Fungi, Ketones, Paraffins, Plant physiology.
Abstract: Ninety-five fungi were tested for their ability
to grow on liquid mineral media containing n-alkanes as sole
source of carbon. Of 29 filamentous fungi tested, 18 were
capable of growing on n-alkanes. Of 66 yeasts only 11 ex-
hibited this ability, predominantly Candida, Rhodotorula
and Debaryomyces. Of the hydrocarbon utilizing filamentous
fungi and yeasts, almost all were capable of growing on n-
alkanes having a chain length of 10 carbon atoms or more.
Only a few of the filamentous fungi grew on the short
chain n-alkanes. Of the 8 hydrocarbon utilizing yeasts ex-
amined, only 5 grew on a few ketones.

14777-68
METHOD FOR REGULATING PLANT GROWTH. PATENT 3,376,126.
W C McCouell R W Bahu
US Patent Office Offic Gaz 849(1):165
02 Apr 1968 156.65 OF2
Fertilizers, Patents, Plant regulators, Plants,
Potassium azide, Soil bacteria, Soil microorganisms,
Soil sanitation.

65 14778-68

14778-66

EFFECT OF BIOLOGICAL FACTORS ON MYCELIAL GROWTH AND SPORULATION OF CANADIAN ISOLATES OF ASCOCHYTA IMPERFECTA PECK.
E W Mead
Phytopathology 52(1):21
Jan 1962 464.6 P56
Alfalfa, *Ascochyta imperfecta*, Culture media, Fungi, Plant nutrition, Spore germination.

14775-66

DEFOLIATION OF FLAXES. PATENT 3,378,364.
E L Neville E E Carroll
Us Patent Office Office Gaz 849(3):768
16 Apr 1968 156.65 OF2
Arsenic compounds, Cotton, Defoliation, Patents, Soybeans.

14760-66

A MODIFIED BEAN ROOT INITIATION TEST FOR AUXINS AND INHIBITORS.
F A Foster A E Drake S H Nelson
Can J Plant Sci 47(3):263-266 BEF
May 1967 450 C16
Beans, Ecological assay, Plant growth inhibitors, Plant regulators, Tissues.
Abstract: Removal of tissues above the cotyledonary node from leafy stem cuttings of beans, after inhibition and prior to putting in root initiation tests, increased the sensitivity to growth inhibitors, and reduced the variation in control plants. Response to auxin increased slightly to small amounts and declined for larger amounts.

14761-66

EFFECT OF ENVIRONMENTAL CONDITIONS ON SCLEROTIA AND ELASTICITY OF SCLEROTIA IN ASPERGILLUS.
J N Bai J F Tevari A K Sinha
Mycopathol Mycol Appl 31(3-4):209-224 BEF
28 Apr 1967 450 H954
Aspergillus, Culture media, Environment, Plant physiology.
Abstract: Observations on the effect of certain environmental conditions viz. pH, light, temperature of incubation, oxygen-deficient conditions and various relative humidity values on sclerotia production by *Aspergillus* have been presented.

14762-66

CONTRIBUTION TO THE QUESTION OF DIRECT INFLUENCE OF ALPHANAPHTHALENEACETIC ACID ON INITIATION OF FRUIT BUDS ON APPLE TREES.
J Sahulka
Eiol Plant 9(5):352-393
1967 450 F52
Apples, Naphthaleneacetic acid, Plant regulators, Thinning (fruit).

14783-66

THE PHYSIOLOGICAL ROLE OF BORON IN PLANTS. (BDS)
M J Shklar
Eot Zhur (Moscow) 52(2):259-275 BEF
Feb 1967 451 B923
Boron, Plant physiology.

14784-66

PAPEL CHROMATOGRAFIC ANALYSIS BY A NEW TEST METHOD OF FACTERICIDAL SUBSTANCES IN PLANT EXTRACTS AND POSSIBLE RELATIONS OF THESE SUBSTANCES TO PLANT GROWTH INHIBITORS. (GE)
B Soding K Dorffling
Arch Mikrobiol 60(2):182-200 BEF
1968 442.8 A526
Acer pseudoplatanus, Bactericides, Chromatography, Peas, Plant extracts, Plant growth inhibitors, Sunflowers.
English and German abstracts
Abstract: Chromatogram segments are inoculated with microbes, kept in a moist chamber for 1 day and then placed on agar medium. Growth of bacteria is stopped or retarded in the presence of bactericides. If *Serratia marcescens* is used as test organism, a retardation or missing of pink coloration is observed too. Ether extracts from buds of *Acer pseudoplatanus*, shoots of peas and sunflowers were chromatographed in isopropanol/water/ammonia 80:15:5 and were tested by with *Serratia marcescens*, *Pseudomonas fluorescens* and *Aerobacter aerogenes*. All contain bactericidal substances. Chromatograms contained substances inhibiting growth of *Avena* and germination of *Lepidium*. Synthetic D,L-absicisn II showed no bactericidal activity. Therefore, bactericidal substance in sycamore and pea cannot be identical with the growth and germination inhibitor at the same position.

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14785-68

GAS CHROMATOGRAPHIC DETERMINATION OF DIETHYL PMDABATE IN MALATHION EXTRACTS AND PREPARATIONS USED FOR CONTROL OF BODY LICE.
F Acree B B Turner M Beroza
J Econ Entomol 61(2):457-459
Apr 1968 421 J822
Chromatography, Diethyl fumarate, Electron capture, Malathion, Pediculus humanus humanus.
Abstract

14786-68

POTENTIOMETRIC DETERMINATION OF PHOSPHINE.
E Berck
J Agr Food Chem 16(3):415-418
May 1968 381 J8223
Fumigants, Pesticide analysis, Phosphine, Potentiometry.

14787-68

SEPARATION OF AFLATOXIN ON SELECTIVELY DEACTIVATED SILICIC ACID.
E V Crisan E Mazzucca
Boyce Thompson Inst Contrib 23(11):361-365
Jul 1967 451 B69
Aflatoxin, *Aspergillus flavus*, Chromatography, Plant extracts, Silicic acid.
Abstract: Activated silicAR, Mallinckrodt type CC-4, permitted recovery of 87 percent of the aflatoxin B1 contained in a crude extract. Methods of purifying the remaining aflatoxin G are also described.

14788-68

THE DETERMINATION OF PHOSPHORUS DISTRIBUTION BY THIN LAYER CHROMATOGRAPHY. (GE)
E Eetschik E Steger
J Chromatography 31(2):369-374 BEF
Dec 1967 475 J824
Chromatography, Organophosphorus compounds.
English and German abstracts.
Abstract: The distribution of phosphorus on thin-layer chromatograms can be determined, although the recovery of phosphorus from undissolved layer material after mineralisation of organophosphorus compounds is incomplete. With test mixtures of aliphatic phosphorus thioesters distribution values with a standard deviation of 1.2 percent (abs.) were found. Mineralisation was accomplished with a mixture of periodic and perchloric acid. Phosphorus was determined by the vanadate method.

14789-68

PREPARATION OF THE PROTOISOMERS OF ALDRIN AND DIELDRIN.
J D Bosen W F Carey
J Agr Food Chem 16(3):536-537
May 1968 381 J8223
Aldrin, Dieldrin, Isomers, Photochemistry.

80 ENGINEERING

- 14790-68
CARE AND MAINTENANCE OF THE ONE-GALLON STAINLESS STEEL
SPRAYER.
W L Breth
Pest Contr 36(5):16,18,20
May 1968 449.8 EX8
Accident prevention, Insecticides, Maintenance,
Pest control operators, Spraying equipment.
- 14791-68
A TEMPERATURE CONTROLLED SHAKER FOR MICROBIAL CULTURES.
E V Crisaf
Boyce Thompson Inst Contr 23(11):379-380
Jnl 1967 451 E69
Culture media, Equipment, Fungi, Microbiology, Temperature.
- 14792-68
INFLUENCE OF NEAR-ULTRAVIOLET OUTPUT OF ATTRACTANT LAMPS ON
CATCHES OF INSECTS BY LIGHT TRAPS.
J F McClintock A W Bartstack O A Lindquist
J Econ Entomol 61(2):515-521
Apr 1968 421 J822
Attractants, Helicthis zea, Insect collecting equipment,
Light traps, Trichoplusia ni, Ultraviolet rays.
Abstract
- 14793-68
A LIGHT-WEIGHT CAGE TO CONFINE SMALL INSECT PREPARATIONS WITH
THEIR FEED ON THE HOST PLANT.
E I Hirstburgh D Asquith
J Econ Entomol 61(2):572-573
Apr 1968 421 J822
Food plants, Insect cages, Predaceous insects.
- 14794-68
EQUIPMENT AND EQUIPMENT ANALYSIS FOR ARTERIOPOD CONTROL.
E A Philen
Fla Anti-wcsquito Ass Rep 38:64-67
07 May 1967 420 F663
Arthropoda, Equipment, Insect control.
- 14795-68
DISTRIBUTION OF RELEASED JAPANESE BEETLES IN A BIO OF
TEARS.
E B Schwartz
J Econ Entomol 61(2):423-426
Apr 1968 421 J822
Insect dissemination, Insect traps, Popillia japonica.
Abstract

90 INDUSTRY
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- 14796-68
PESTICIDE CHEMICALS, THE MAGIC OF MODERN FARMING.
P C Brinkley
Nat Agr Chem Ass News Pesticide Rev 26(4):3-4
Apr 1968 421 AG8
Agricultural research, Pesticides.
- 14797-68
WHERE DO WE STAND NOW?
L A Dowler
Aerial Appl 6(4):6-7
Apr 1968 333.8 AE8
Aerial spraying, Aircraft, Pest control operators,
Pesticide application, Prices.
- 14798-68
RESEARCH ON PESTS AND THEIR CONTROL.
W C Shaw
Nat Agr Chem Ass News Pesticide Rev 26(4):5
Apr 1968 421 AG8
Pest control.

Education

- 14799-68
PESTICIDES HANDBOOK PUBLISHED BY USDA.
Anonyms
Aerial Appl 5(5):8
May 1967 333.8 AE8
Handbooks, Pesticide application, Pesticides,
Safety education, Storage.



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