

BioBusiness®

FILE DESCRIPTION

BioBusiness® provides current and retrospective information to business executives, financial analysts, product development and marketing professionals, and information specialists about the business applications of biological and biomedical research. The database covers the economic aspects of all life sciences areas. Five hundred technical and business journals, magazines, newsletters, meeting proceedings, U.S. patents, and books from all over the world were scanned for relevant articles. BioBusiness is no longer being updated.

SUBJECT COVERAGE

Economic aspects of a wide variety of life sciences are covered, including the following:

- Agriculture
- Animal Production
- Biotechnology
- Cosmetics
- Diet and Nutrition
- Environment
- Food and Beverage Industry
- Food Technology
- Forestry
- Genetic Engineering
- Health Care
- Industrial Microbiology
- Medical Diagnostics
- Medical Instrumentation
- Occupational Health
- Pesticides
- Pharmaceuticals
- Toxicology
- Veterinary Science
- Waste Treatment

SOURCES

More than 1,100 technical and business journals, magazines, newsletters, meetings proceedings, and books from around the world are scanned for articles relevant to the subject coverage of the file.

TIPS

USE FILE 285

to locate information on the business implications of technological advances in life-science related industries.

EXPAND ON JN= OR DT=

to locate a specific journal or type of document, e.g.,

EXPAND JN=CHEMICAL WEEK

EXPAND DT=PATENT

USE MAP PM OR MAP CL

to locate patent numbers of U.S. patent classification numbers in other DIALOG databases.

SEARCH FS=

to retrieve records that are found only in BioBusiness (FS=UNIQUE) or in BioBusiness and BIOSIS Previews(R) (File 5) (FS=NONUNI).

DIALOG FILE DATA

Inclusive Dates: January 1985 to August 1998

Update Frequency: Closed

File Size: 1,003,427 records as of August 1998

CONTACT

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SAMPLE RECORD

DIALOG(R)File 285:BioBusiness(R)
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AA-, JA= 00001357 199762101355 JOURNAL ANNOUNCEMENT: 162
/TI Modelling the economics of animal health control programs using dynamic programming.

AU= AUTHOR: Hall D C
Kaiser H M
AU= Blake R W
CS= Dep. Agric. Econ., Blocker Build., Tex. A&M Univ., College Station, TX 77843
USA

JN=, SO= JOURNAL: Agricultural Systems 56 (1) January 1998 125-144

SN= ISSN: 0308-521X
DT= DOCUMENT TYPE: Article
RT= RECORD TYPE: Abstract
LA= LANGUAGE: English

/AB ABSTRACT: A new application of an optimization tool, dynamic programming (DP), is described to model the economics of animal health control programs. To demonstrate the value of this technique, a model is applied to determine optimal net benefits of controlling East Coast fever (ECF) in Malawi Zebu cattle in the Lilongwe plateau. The objective function was the present value of net benefits due to treatment, defined as mortality savings minus treatment costs. Mortality savings were based on decreased mortality from ECF following treatment. Model constraints included herd size, animal (herd) nutritional requirements, and program budget. Treatments options were tank dipping in acaricide, and vaccination. Secondary data from a dipping trial of 1800 Malawi Zebu cattle conducted from 1991 to 1994 were used to determine probabilities of mortality. Total optimal net benefits of long-term treatment (25 years, i=10%) from vaccination (Malawi Kwacha (MK) 21069) exceeded benefits for treatment with chlorfenvinphos acaricide (MK15 203).

/DE DESCRIPTORS:
MAJOR CONCEPTS: Animal Husbandry (Agriculture); Mathematical Biology (Computational Biology); Methods and Techniques; Parasitology; Pathology; Pest Assessment Control and Management; Pharmacology; Veterinary Medicine (Medical Sciences)

/DE, BN= BIOSYSTEMATIC NAMES: Acarina: Chelicerata, Arthropoda, Invertebrata, Animalia; Mammalia - Unspecified: Mammalia, Vertebrata, Chordata, Animalia; Protozoa - Unspecified: Invertebrata, Protozoa, Animalia; Sporozoa: Invertebrata, Protozoa, Animalia

/DE, OI= ORGANISMS: mammal (Mammalia - Unspecified); protozoan (Protozoa - Unspecified); tick (Acarina); Rhipicephalus appendiculatus (Acarina); Theileria parva parva (Sporozoa)

/DE, BC= BIOSYSTEMATIC CLASSIFICATION: animals; arthropods; chelicerates; chordates; invertebrates; mammals; microorganisms; nonhuman mammals; nonhuman vertebrates; protozoans; vertebrates

/DE, IN= INDUSTRY: livestock industry
/DE MISC. TERMS: ANIMAL HEALTH CONTROL; CHLORENVINPHOS ACARIDE; EAST COAST FEVER; MALAWI ZEBU CATTLE; METHODS; PARASITE; PEST CONTROL; PESTICIDE; STATISTICAL ANALYSIS; TREATMENT; VACCINES

/SH, SH= SUBJECT HEADINGS: 00100 ANIMAL PRODUCTION-GENERAL & METHODS; 02100 VETERINARY SCIENCE; 21100 PHARMACOLOGY & CHEMOTHERAPY; 27200 THERAPY; 52400 PARASITOLOGY; 65200 PESTICIDES, HERBICIDES & PEST CONTROL; 72100 METHODS, MATERIALS & APPARATUS; 80700 STATISTICS & STATISTICAL METHODS

SEARCH OPTIONS

BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
—	—	All Basic Index Fields	Word	S OPTIMIZATION(W)TOOL?
/AB	AB	Abstract	Word	S LONG(W)TERM(W)TREATMENT?/AB
/CO	CO	Company Name ¹	Word	S BRISTOL(W) MYERS/CO
/DE	DE	Descriptor ²	Word & Phrase	S VETERINARY(W)MEDICINE/DE S PEST CONTROL/DE
/NM	NM	Named Person ¹	Word	S AKIN(1N)/KATHLEEN/NM
/SH	SH	Subject Concepts ^{1,3}	Word	S PHARMACOLOGY(W)CHEMOTHERAPY/SH
/TI	TI	Title	Word	S ANIMAL(W)HEALTH/TI

¹ Searchable in the Basic Index and in the Additional Indexes.³ Subject Concepts not used after April 1998.² Also /DF.

ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AU=	AU	Author	Phrase	S AU=BLAKE R?
—	AZ	DIALOG Accession Number		
CL=	CL	U.S. Patent Classification Number	Phrase	S CL=002046000
CO=	CO	Company Name ¹	Phrase	S CO=BRISTOL MYERS SQUIBB?
CS=	CS	Corporate Source	Word & Phrase	S CS=(TEX(W)A(1W)M(W)UNIV) S CS=DEP. AGRIC. ECON., BLOCKER BUILD?
DT=	DT	Document Type	Phrase	S DT=ARTICLE
JN=	JN	Journal Name	Phrase	S JN=AGRICULTURAL SYSTEMS
LA=	LA	Language	Phrase	S LA=ENGLISH
NM=	NM	Named Person ¹	Phrase	S NM=ABBOTT, G?
PD=	PD	Patent Date	Phrase	S PD=19971007 S PD=971007
PN=	PN	Patent Number	Phrase	S PN=US 5674865
PY=	PY	Publication Year	Phrase	S PY=1998
SH=	SH	Subject Codes and Concepts ^{1,3}	Phrase	S SH=21100 S SH=PHARMACOLOGY & CHEMOTHERAPY
SN=	SN	International Standard Serial Number (ISSN)	Phrase	S SN=0308-521X
SO=	SO	Source Information ⁴	Word	S SO=(AGRICULTURAL(W)SYSTEMS)
UD=	—	Update	Phrase	S UD=1998?

⁴ Display includes Journal Name, Volume, Issue, Pagination, and Publication Date.

SPECIAL FEATURES

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK, HELP MAP, HELP DUP online.

LIMIT	/ABS -- Abstract Present /ENG -- English-Language Records /NOABS -- No Abstract Present /NONENG -- Non-English-Language Records /NONUNI -- Record found in both BioBusiness and BIOSIS Previews /UNIQUE -- Record Unique to BioBusiness	SELECT S4/ABS S S2/ENG S S7/NOABS S S5/NONENG S S2/NONUNI S S3/UNIQUE
SORT	AU, CS, JN, PD, PN, PY, TI	SORT S3/ALL/AU/TI PRINT S4/5/1-23/PY,D
RANK	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked. Other RANK codes include: DE	RANK DE RANK AU S4
MAP	CL, PN	
RD, ID	Remove duplicates (RD) or identify duplicates (ID,IDO).	RD S5

PREDEFINED FORMAT OPTIONS

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	Bibliographic Citation and Indexing
3	Medium	Bibliographic Citation
4	--	Full Record with Tagged Fields
5	--	Full Record
6	Free	Title
7	Long	Bibliographic Citation and Abstract
8	Short	Title and Indexing
9	Full	Full Record
K	--	KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats

OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP UDF, HELP TAG online.

USER DEFINED FORMATS	Display codes listed in the Search Options tables can be used to customize output.	TYPE S4/TI,AU,SO/ALL
TAG	Output can be displayed with tags identifying each display field.	TYPE S3/6,SO/1-5 TAG
DIRECT RECORD ACCESS	If the accession number of a specific record is known, it can be used to display the record directly.	TYPE 00805508/5 DISPLAY 0001345/TI,SH PRINT 00901372/2

FOR ONLINE HELP:

See HELP FIELDS 285 for searchable fields; HELP FORMAT 285 for output formats; HELP LIMIT 285 for limits; HELP RATES 285 for cost information; HELP SORT 285 for sorts.