

AGRICOLA (Agriculture Online Access Database)

Subject Coverage	 Agriculture Animal Science Biotechnology Chemistry Energy Entomology Food Science Forestry Genetics 	 Home Economics Life Sciences Natural Resources Nutrition Pesticides Plant Diseases Rural Society Soil Science Veterinary Medicine
File Type	Bibliographic	
Features	Thesaurus Alerts (SDIs) CAS Registry Number® Identifiers Keep & Share	Controlled Term (/CT) Geographic Term (/GT) Monthly Page Images SLART
Record Content	 Records contain supplementary to 	rage of agriculture and related fields bibliographic information, geographic terms, controlled terms, and erms that include GenBank Numbers ailable for more than 60% of records
File Size	More than 7.1 millio	on records (08/2025)
Coverage	1970-present	
Updates	Monthly	
Language	English	
Database Producer	National Agricultura U.S. Department of 10301 Baltimore Av Beltsville, MD 2070 U.S.A.	Agriculture (USDA) venue
Sources	 Bibliographies Serial Articles Book Chapters Monographs Computer Files Serials Maps Audiovisuals Reports Catalogs and che 	emical libraries from suppliers worldwide

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AGRICOLA

User Aids

- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

Cluster

- AGRICULTURE
- AUTHORS
- ALLBIB
- BIOSCIENCE
- CHEMISTRY
- COMPANIES
- CORPSOURCE
- ENVIRONMENT
- FOOD
- MEETINGS
- NPS
- TOXICOLOGY

STN Database Cluster information

Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (*).

Search Field Name	Search Code	Search Example	Display Codes
Basic Index* (contains single words from the title (TI), CABA and Library of Congress controlled term (CT), supplementary term (ST), abstract (AB), named person (NA), corporate name (CO), note (NTE), geographic term, CABA and other (GT) fields)	None (or /BI)	S FORAGING S NATURAL PEST CONTROL? S STATE (L) COUNCIL# S GENBANK U35001	AB, CO, CT, GT, NA, NTE, ST, TI
Abstract* Accession Number Author Author Identifier (ORCID) Availability (contains codes for filing and holding locations, NAL and Library of Congress call numbers designations)	/AB /AN /AU /AUID /AV	S ORGANIC COMPOUND?/AB S 2025000009/AN S LEMASTERS J?/AU S 000-0002-0619-5123/AUID S L1 AND DNAL/AV	AB AN AU AUID AV
Classification Code (1)	/CC	S DAIRY/CC	СС
Corporate Name (1) Controlled Term, CABA and	/CO /CT	S CONSUMER ECONOMICS/CC S RESEARCH CENTER/CO S CINCHONA/CT	CO CT
Library of Congress (2) Controlled Word (contains single words from CABA controlled terms and Library of Congress controlled terms)	/CW	S ACID RAIN+ALL/CT S (AGRICULTUR? (S) WORK#)/CW	СТ
Corporate Source (1)	/CS	S DEPARTMENT OF AGRICULTURE/CS	CS
Country of Publication (ISO code and text)	/CY	S L1 AND GB/CY	CY
Digital Object Identifier	/FTDOI	S <u>HTTPS://DOI.ORG/10.1001/ARCHDERM.1981</u> . 01650080061031/FTDOI	FTDOI, SO
Document Number Document Type (code and text)	/DN /DT (or /TC)	S IND20496956/DN S C/DT	DN DT
Entry Date (3)	/ED	S ED>=JAN 2025	ED
Field Availability Geographic Term, CABA and other (2)	/FA /GT	S AB/FA S EAST ASIA/GT S SHANGHAI+BT/GT	FA GT
International Standard (Document) Number (contains CODEN, ISSN, and ISBN)	/ISN	S 1000-1298/ISN	ISN, SO
Journal Title (contains full and abbreviated title)	/JT	S JOURNAL OF AGRIBUSINESS/JT S J APPL PHYCOL/JT	JT, JTA, JTF, SO
Language (ISO code and text)	/LA	S FR/LA	LA
Named Person Note	/NA /NTE	S OBAMA MICHELLE/NA S NOTEBOOK#/NTE	NA NTE

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Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Example	Display Codes
Publication Year (3) Publisher Source (contains publication title, collation information (volume, issue, pagination), meeting information, ISBN, ISSN, CODEN, FTDOI, publication date, publication frequency, Library of Congress control number, publication status, publisher, editors, government source, etc.)	/PY /PB /SO	S 1996/PY S SPRINGER NEW YORK/PB S (CHROMATOGRAPHY AND ELSEVIER)/SO S VOLUME/SO	PY, SO PB, SO SO
Summary Language (code and text)	/SL	S EN/SL	SL
Supplementary Term (includes GenBank Numbers)	/ST	S NEST ABANDONMENT/ST S GENBANK U51451/ST	ST
Title*	/TI	S (RUN OFF OR RUNOFF)/TI	TI
Update Date (3)	/UP	S L4 AND UP>NOV 2012	ED
Word Count, Title (3)	/WC.T	S WC.T<3	WC.T

- (1) Search with implied (S) proximity is available in this field.
- (2) There is an online thesaurus associated with this field.
- (3) Numeric search field that may be searched using numeric operators or ranges.

Property Fields (1)

In AGRICOLA a numeric search for a specific set of physical properties (/PHP) is available within the abstract and title fields. The numeric values are not displayed as single fields, but highlighted within the hit displays. Use EXPAND/PHP to search for all available physical properties. A search with the respective field codes will be carried out in the abstract and title fields. The /PHP index contains a complete list of codes and related text for all physical properties available for numeric search.

Field Code	Property	Unit	Symbol	Search Examples
/AOS	Amount of substance	Mol	mol	S 10 /AOS
/BIR	Bit Rate	Bit/Second	bit/s	S 8000-10000/BIR
/BIT	Stored Information	Bit	Bit	S BIT > 3 MEGABIT
/CAP	Capacitance	Farad	F	S 1-10 MF/CAP
/CATA	Catalytic Activity	Katal	kat	S 1-10/CATA
/CDN	Current Density	Ampere/Square Meter	A/m ²	S CDN>10 A/M**2
/CMOL	Molarity, Molar Concentration	Mol/Liter	mol/L	S UREA/BI (S) 8/CMOL
/CON	Electrical Conductance	Siemens	S	S 1S-3/CON
/DB	Decibel	Decibel	dB	S DB>50
/DEG	Degree	Degree	0	S CYLINDER/BI (S) 45/DEG
/DEN (/C)	Density (Mass Concentration	Kilogram/Cubic Meter	kg/m³	S 5E-3-10E-3/DEN
/DEQ `	Dose Equivalent, Absorbed Dose	Sievert	Sv	S 100/DEQ
/DOA	Dosage	Milligram/Kilogram/Day	mg/kg/day	S 100-300/DOA
/DOS (/LD50)	Dose	Milligram/Kilogram	mg/kg	S DOS>0.8
/DV	Viscosity, dynamic	Pascal * Second	Pa * s	S DV>5000
/ECH (/CHA)	Electric Charge, Capacity	Coulomb	С	S 0.0001-0.001/ECH

			,	
/ECO (/ECND)	Electrical Conductivity	Siemens/Meter	S/m	S ECO>800 S/M (15A) AQUEOUS
/ELC	Electric Current	Ampere	Α	S 1-10/ELC
(/ECC)				
/ELF	Electric Field	Volt/Meter	V/m	S 200/ELF
(/ECF) /ENE	Enorgy	Joule		S DDODLETS (40A) 40 IOULE
/EINE	Energy	Joule	J	S DROPLETS (10A) 40 JOULE - 70 JOULE /ENE
/ERE	Electrical Resistivity	Ohm * Meter	Ohm * m	S ERE>0.1
(/ERES)	F	Newton	N.	C FO N /FOD
/FOR	Force	Newton	N	S 50 N /FOR
/FRE (/F)	Frequency	Hertz	Hz	S OSCILLAT?/BI (S) 1- 3/FRE
/IU	International Unit	none	IU	S IU>1000 (P) VITAMIN A
/KV	Viscosity, kinematic	Square Meter/Second	m ² /s	S METHYLPOLYSILOXANES/BI (10A) 200-300 CST /KV
/LEN (/SIZ)	Length, Size	Meter	m	S 1-4/LEN
/LUME	Luminous Emittance,	Lux	lx	S 10-50/LUME
	Illuminance			
/LUMF	Luminous Flux	Lumen	Lm	S LUMF>1000
/LUMI	Luminous Intensity	Candela	cd	S LUMI<4
/M	Mass	Kilogram	kg	S ALLOY/BI (30A) 1E-10-1E-5/M
/MCH	Mass to Charge Ratio	none	m/z	S MCH=1
/MFD (/MFS)	Magnetic Flux Density	Tesla	Т	S MFD>102
/MFR (/MFL)	Mass Flow Rate	Kilogram/Second	kg/s	S MFR<0.1
/MFST	Magnetic Field Strength	Ampere/Meter	A/m	S MFST/PHP
/MM (/MW,	Molar Mass, Molecular	Gram/Mol	g/mol	S 2000-3000 G/MOL/MM
/MOM)	Weight		3	
1	T. Control of the Con	1	1	T.

¹⁾ Exponential format is recommended for the search of particularly high or low values, e.g., 1.8E+7 or 1.8E7 (for 18000000) or 9.2E-8 (for 0.000000092).

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Thesaurus Fields

Thesauri are present for the Controlled Term (/CT) and Geographic Term (/GT) search fields in the AGRICOLA File. The following Relationship Codes may be used with both the SEARCH and EXPAND commands in these fields.

Controlled Term (/CT)

Relationship Code	Content	Example
ALL	All associated terms (SELF, BT, USE, UF, NT, RT)	E BACTERIAL INSECTICIDES+ALL/CT
AUTO (1)	Narrower Terms (SELF, NT)	E ORGANOCHLORINE INSECTICIDES+AUTO/CT
BT	Broader Terms (SELF, BT)	E WEED CONTROL+BT/CT
HIE	Hierarchy terms (all broader and Narrower Terms) (SELF, BT, NT)	E VIRAL INSECTICIDES+HIE/CT
KT	Keyword Terms (SELF, KT)	E CONTROL+KT/CT
NT	Narrower Terms (SELF, NT)	E ECOLOGY+NT/CT
PFT	All Preferred and Forbidden Terms (SELF, USE)	E NATURAL BALANCE+PFT/CT
RT	Related (see also) terms (SELF, RT)	E RAINY SEASON+RT/CT
STD	All Broader, Narrower, and Related Terms (SELF, BT, NT, RT)	E DISEASE CONTROL+STD/CT
UF	Used For terms (Forbidden Terms) (SELF, UF)	E DROUGHT RESISTANCE+UF/CT
USE	Use terms (Preferred Terms) (SELF, USE)	E DROUGHT TOLERANCE+USE/CT

⁽¹⁾ Automatic Relationship Code is SET OFF. If you SET RELATION ON, the result of EXPAND without any relationship code is the same as described for AUTO.

Geographic Term (/GT)

Relationship Code	Content	Example
ALL	All associated terms (SELF, BT, NOTE, USE, UF, NT, RT)	E UK+ALL/GT
AUTO (1) BT	Narrower Terms (SELF, NT) Broader Terms (SELF, BT)	S SCOTLAND+AUTO/GT E CONNECTICUT+BT/GT
HIE	Hierarchy Terms (all Broader and Narrower Terms) (SELF, BT, NT)	E USA+HIE/GT
KT	Keyword Terms (SELF, KT)	E AMERICA+KT/GT
NT	Narrower Terms (SELF, NT)	S ECUADOR+NT/GT
PFT	All Preferred and Forbidden Terms (SELF, USE, UF)	E UNITED STATES OF AMERICA+PFT/GT
RT	Related (see also) Terms (SELF, RT)	E PUERTO RICO+RT/GT
STD	All Broader, Narrower, and Related Terms (SELF, BT, NT, RT)	E CARIBBEAN+STD/GT
UF	Used For terms (Forbidden Terms) (SELF, UF)	E USA+UF/GT
USE	Use terms (Preferred Terms) (SELF, USE)	E BRITAIN+USE/CT

⁽¹⁾ Automatic Relationship Code is SET OFF. If you SET RELATION ON, the result of EXPAND without any relationship code is the same as described for AUTO.

Thesaurus Field Descriptors

Code	Description
SELF (>) BT KT NOTE NT RT UF USE	Thesaurus Term Broader Term Keyword Term (Permuted Index) Note Narrower Term Related Term Forbidden Term Preferred Term

DISPLAY and PRINT Formats

Any combination of formats listed below may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI SO, D L1 1-5 TI,SO. The fields are displayed in the order requested.

Hit-term highlighting is available in all fields except AU and CS. Highlighting must be on during SEARCH in order to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB	Abstract	D TI AB
AN	Accession Number	D AN
AU	Author	D AU CS 1-5
AUID	Author Identifier (ORCID)	D AUID
AV	Availability	D AV
CC	Classification Code	D 2 4 6 CC
CO	Corporate Name	D CO
CS	Corporate Source	D CS
CT	Controlled Term, CABA and Library of Congress	D CT
CY	Country of Publication	D CY
DN	Document Number	D DN
DT (TC)	Document Type	D DT
FTDOI (1)	Digital Object Identifier	D FTDOI
GT	Geographic Term, CABA and other	D GT
ISN	International Standard (Document) Number (CODEN, ISBN, ISSN)	D ISN
JT (1)	Journal Title (JTF and JTA)	D JT
JTA (1)	Journal Title, Abbreviated	D JTA
JTF (1)	Journal Title, Full	D JTF
LA	Language	D LA SL
NA	Named Person	D NA
NTE	Note	D NTE
PB (1)	Publisher	D PB
PY (1)	Publication Year	D JT PY
SL	Summary Language	D LA SL
SO	Source	D SO
ST	Supplementary Term	D CT ST
TI	Title	D TI
WC.T (1)	Word Count, Title	D WC.T

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
ABS IABS ALL DALL	AN, AB ABS, with a text label AN, DN, TI, AU, CS, SO, NTE, CY, DT, LA, SL, AV, ED, AB, CC, GT, CT, ST, NA, CO ALL, delimited for post-processing	D ABS D IABS D L3 2 ALL D DALL
IALL BIB IBIB	ALL, indented with text labels AN, DN, TI, AU, CS, SO, NTE, CY, DT, LA, SL, AV, ED (BIB is the default) BIB, indented with text labels	D L7 6 IALL D 1- D IBIB
IND MAX SCAN (2)	AN, CC, GT, CT, ST, NA, CO ALL, including AUID TI, CC, GT, CT, ST, NA, CO (random display without answer numbers)	D IND D MAX D SCAN
TRIAL (TRI, SAM, SAMPLE, FREE)	TI, CC, GT, CT, ST, NA, CO	D SAM 2-4, 10
HIT KWIC	Fields containing hit terms Hit terms plus 50 words on either side (Key-Word-In-Context)	D HIT D KWIC
occ	Number of occurrences of hit terms and fields in which they occur	D OCC

⁽¹⁾ Custom display only.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers or an L-number containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Υ	N
Accession Number	AN	Υ	N
Author	AU	Y (2)	Υ
Author Identifier (ORCID)	AUID	Y	Υ
Availability	AV	Υ	Υ
Citation	CIT	Y (2,3)	N
Classification Code	CC	Y	Υ
Controlled Term, CABA and Library of Congress	СТ	Υ	N
Corporate Name	СО	Υ	Υ
Corporate Source	CS	Y (2)	Υ
Country of Publication	CY	Y	Υ
Digital Object Identifier	FTDOI	Υ	Υ
Document Number	DN	Υ	Υ
Document Type	DT (TC)	Y	Υ
Geographic Term, CABA and other	GT	Υ	Υ

⁽²⁾ SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
International Standard Book Number International Standard (Document) Number International Standard Serial Number Journal Title Journal Title, Abbreviated Journal Title, Full Language	ISBN ISN ISSN JT JTA JTF LA	N Y (4) N Y Y (5) Y (5)	Y N Y Y Y
Named Person Note	NA NTE	Y	Y N
Occurrence Count of Hit Terms Publisher Publication Year Source Summary Language Supplementary Term Title Word Count, Title	OCC PB PY SO SL ST TI WC.T	N Y Y (2) Y (6) Y Y Y (default) Y	Y Y Y N Y N Y

- (1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT CT.
- (2) SELECT HIT and ANALYZE HIT are not valid with this field.
- (3) Extracts first author, publication year, volume, and first page with a truncation symbol appended and with /RE appended to the terms created by SELECT.
- (4) Selects or analyzes the CODEN, ISBN, and ISSN with /ISN appended to the terms created by SELECT.
- (5) Appends /JT to the terms created by SELECT.
- (6) Selects or analyzes the CODEN, ISBN, and ISSN with /SO appended to the terms created by SELECT.

Sample Records

DISPLAY ALL OF JOURNAL

- AN 2022150053 AGRICOLA
- DN IND607951225
- TI Wildland fire prevention: the impact of the Modifying Industrial Operations Protocol on the growth of industrial forestry-caused wildland fires in Ontario, Canada
- AU Granville, Kevin; Woolford, Douglas G.; Dean, C. B.; McFayden, Colin B. SO International journal of wildland fire (2022), Volume 31, Number 9, pp.

825-834, 10 p. ISSN: 1049-8001

DOI: https://doi.org/10.1071/WF22074 Published by: CSIRO Publishing

Source Note: 2022, v. 31, no. 9 NTE https://dx.doi.org/10.1071/WF22074

DT Journal LA English AV DNAL

ED Entered STN: 5 Oct 2022

Last updated on STN: 9 Jan 2025

Background Industrial forestry operations in Ontario, Canada, may be restricted to reduce the risk of wildland fires. This is currently done according to the Modifying Industrial Operations Protocol (MIOP), which was implemented in 2008 as a replacement for the Woods Modification Guidelines that had been in place since 1989. One of MIOP's objectives is to limit the negative impact or damage caused by fires ignited by industrial forestry operations. Aims Treating the incremental

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growth between discovery and final sizes as a measure of suppression effectiveness, we aimed to characterise and contrast growth distributions for three successive time periods using data spanning 1976-2019 on Crown forest areas of Ontario. Methods Stratifying by first responding group (Ontario Ministry vs forestry personnel), we tested for evidence of changes in the growth distribution using the Kruskal-Wallis and Mann-Whitney U tests. Key results We found iterative improvements between successive time periods (Pre-Woods, then Woods Guidelines, then MIOP) in the growth distribution of fires first responded to by forestry personnel. Conclusions MIOP appears to be successfully limiting the negative impact of industrial forestry fires while increasing operational flexibility relative to the Woods Modification Guidelines. Implications MIOP has been implemented in a manner that still encourages safe operations while not contradicting this objective.

GT Ontario

CTfire prevention; forests; human resources; industrial forestry; risk reduction; wildfires; wildland

ST empirical cumulative distribution function; fire growth; fire size; forest fire; initial response group; Kruskal-Wallis test; Mann-Whitney U test; regulations; wildfire risk mitigation

DISPLAY BIB OF MONOGRAPHY

2016015032 AGRICOLA

DM CAT31396536

ΤТ Drosophila: methods and protocols

ΑU Dahmann, Christian

SO (2016), xii, 355 pages : illustrations ; 27 cm

Series Title: Methods in molecular biology (Clifton, N.J.) Springer

protocols (Series)

ISBN: 9781493963690; 1493963694 Published by: Humana Press,

NTE http://www.springerprotocols.com/BookToc/doi/10.1007/978-1-4939-6371-3

https://link.springer.com/book/10.1007/978-1-4939-6371-3

http://link.springer.com/ edited by Christian Dahmann.

Includes bibliographical references and index.

LOC Control.: 2016948818

CY United States DT Bibliography

English LΑ

ED Entered STN: 6 Mar 2019

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