

CAS STNnext<sup>®</sup> COFFEE LECTURE 

# EXPLORING THE AGRICULTURE CLUSTER

Sarah W. Stokes, FIZ Karlsruhe

© 2023 American Chemical Society. All rights reserved.

# Agenda

- Database Clusters in CAS STNext
- AGRICULTURE cluster content
- INDEX search and examples

# STN Database Clusters

- CAS STNext contains over 100 databases which cover diverse areas of scientific inquiry
- Database clusters group files according to subject area or by feature (full-text, numeric property searching capability, etc.)
- INDEX search can be used to preview results in each cluster database before retrieving full results
- A great way to explore the diversity of content in CAS STNext and discover less familiar databases already available on the platform

# AGRICULTURE cluster

AGRICOLA	CROPB	NTIS
BIOSIS	CROPU	PQSCITECH
BIOTECHNO	ESBIOBASE	SCISEARCH
CABA	FSTA	USPAT2
CAPLUS	GENBANK	USPATFULL
CBNB	IFIALL	
CIN	NAPRALERT	

The AGRICULTURE cluster contains only databases that contain agriculture-related publications, however non-agriculture content is also included in some of these files

# INDEX command

- Use the INDEX command to get a preview of the number of results in a file, cluster, or custom group of databases to see whether results exist
- Results are not retrieved and placed into answer sets
- INDEX searches can be used to narrow down which files to run the full search in, and also to get an overview of the distribution of documents in a cluster
- In general, broad INDEX searches are recommended

# INDEX Command

```
Multiple Files
=> INDEX AGRICOLA
COST IN U.S. DOLLARS
FULL ESTIMATED COST
INDEX 'AGRICOLA'
ESBIOBASE
USPATFULL
19 FILES IN THIS SET
Enter SET DETAILS
search error message

Multiple Files
=> S IVERMECTIN? (5A) ?PESTICID? AND PY>=2020

      1  FILE AGRICOLA
     53  FILE BIOSIS
      1  FILE CABA
     49  FILE CAPLUS
     0*  FILE CROPB
     0*  FILE CROPU
      2  FILE ESBIOBASE
      1  FILE IFIALL
      2  FILE SCISEARCH
      8  FILE USPATFULL
      1  FILE USPAT2

      9 FILES HAVE ONE OR MORE ANSWERS,   19 FILES SEARCHED IN STINDEX

=>
^ => enter command
```

# Select databases based on INDEX results

## Multiple Files

=> FILE AGRICOLA BIOSIS ESBIODBASE PQSCITECH; S L2

L3	421	FILE	AGRICOLA
L4	738	FILE	BIOSIS
L5	202	FILE	ESBIODBASE
L6	192	FILE	PQSCITECH

TOTAL FOR ALL FILES

L7	1553	L2
----	------	----

# Only files with relevant answers are displayed

Multiple Files

```
=> S ?MALATHION? (5A) ?TOMAT? AND PY>=2020
```

```
5 FILE AGRICOLA
6 FILE BIOSIS
8 FILE CABA
12 FILE CAPLUS
0* FILE CROPB
0* FILE CROPU
5 FILE FSTA
1 FILE PQSCITECH
9 FILE SCISEARCH
```

```
7 FILES HAVE ONE OR MORE ANSWERS, 19 FILES SEARCHED IN STINDEX
```

```
L8 QUE ?MALATHION? (5A) ?TOMAT? AND PY>=2020
```

```
^ => enter command
```



# Relevant results are found in many files

L48 ANSWER 12 OF 38 CABA COPYRIGHT 2023 CABI on STN.  
S0 International Journal of Farm Sciences (2020), Volume 10, Number 1,

L48 ANSWER 31 OF 38 SCISEARCH COPYRIGHT (c) 2023 Clarivate Analytics on STN  
S0 ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, (2023 OCT 2023) Vol. 30,  
No. 47, pp. 103390-103404.  
ISSN: 0944-1344.

A AB . . . conducted in different countries on residual pesticides in the environment. In the current study, residual pesticides including chlorpyrifos, cypermethrin, diazinon, malathion, and metalaxyl in tomatoes were meta-analyzed and health risk of consumers was estimated. For this purpose, based on a systematic review, data from 47. . .

200 and 400 g ai/ha and 750 and 1, 500 g ai/ha respectively. The analysis showed that. . .

# Database Summary Sheets

Corporate Name (1)	/CO	S CONSUMER ECONOMICS/CO	CO
Controlled Term, CABA and Library of Congress (2)	/CT	S RESEARCH CENTER/CO S CINCHONA/CT S ACID RAIN+ALL/CT	CT
Controlled Word (contains single words from CABA controlled terms and Library of Congress controlled terms)	/CW	S (AGRICULTUR? (S) WORK#)/CW	CT
Corporate Source (1)	/CS	S DEPARTMENT OF AGRICULTURE/CS S "ROSS LABORATORIES"/CS	CS
Country of Publication (ISO code and text)	/CY	S L1 AND GB/CY	CY
Document Number	/DN	S IND20496956/DN	DN
Document Type (code and text)	/DT (or /TC)	S L5 AND C/DT	DT
Entry Date (3)	/ED	S ED>=JAN 2012	ED
Field Availability	/FA	S AB/FA	FA
File Segment	/FS	S TRANSLATION/FS	FS
Geographic Term, CABA and other (2)	/GT	S EAST ASIA/GT S SHANGHAI+BT/GT	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 AGRIBUSINESS/JT	JT, JTA, JTF, SO
Language (ISO code and text)	/LA	S FR/LA	LA
Meeting Title (1)	/MT	S WORLD PARKS/MT	MT, SO
Meeting Location (1)	/ML	S SAN DIEGO/ML	ML, SO
Meeting Year (3)	/MY	S 1995-1996/MY	MY, SO
Named Person	/NA	S OBAMA MICHELLE/NA	NA
Note	/NTE	S NOTEBOOK#/NTE	NTE



**Record Content**

**Features**

Thesaurus	Controlled Term (/CT), Geographic Term (/GT), Organism Name (/ORGN)
<a href="#">Alerts (SDIs)</a>	Weekly or Monthly (Weekly is the default)
<a href="#">CAS Registry Number® Identifiers</a>	<input checked="" type="checkbox"/> Page Images <input type="checkbox"/>
<a href="#">Keep &amp; Share</a>	<input checked="" type="checkbox"/> <a href="#">SLART</a> <input checked="" type="checkbox"/>
Learning Database	<input type="checkbox"/> Structures <input type="checkbox"/>

ogy  
ng of pulp,  
and other  
parasitic  
used or  
eation

# HELP in CAS STNNext

## CAS STNNext Help

clusters

15 result(s) found for 'clusters'

### Databases Tab

Opening Databases and Clusters to Search The Databases tab lists databases (files) and clusters a ...

Building the Query

### STNNext Quick Start

Displays a sequential auto-generated transcript name. Hover over the area to access ...

Getting\_Started/stnext\_quick\_start.htm

### Autosuggest

When switched ON , the Autosuggest option displays dynamic suggestions that recommend file (dat ...

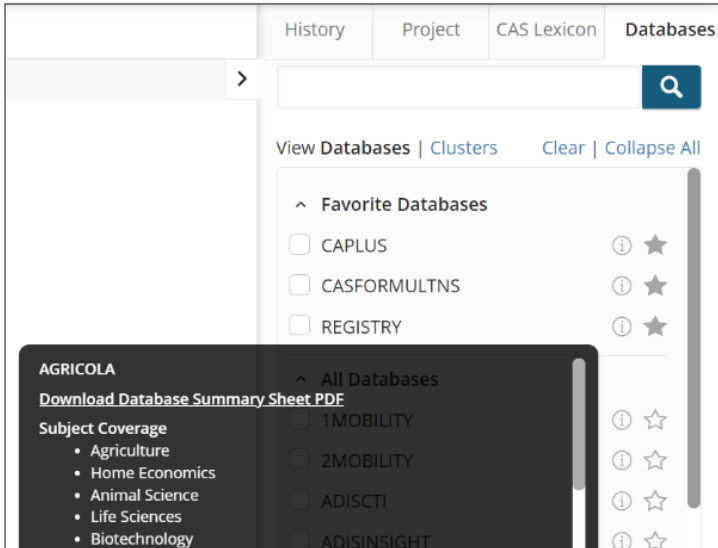
Home > Building the Query > Opening Databases and Clusters to Search

## Opening Databases and Clusters to Search

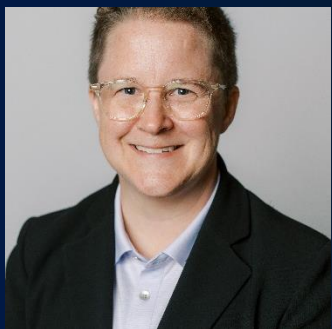
The **Databases** tab lists databases (files) and clusters available for searching:

- To **view information** about a database or cluster, click the **circled i** (i).

**Note:** See [STN Database Summary Sheets](#) for more information on database contents.



# Between problems and progress are connections that matter



**Sarah W. Stokes**  
Senior Product Specialist, IP  
sstokes@cas.org

## CONTACT

**CAS**  
help@cas.org  
cas.org

**FIZ Karlsruhe**  
EMEAhelp@cas.org  
stn-international.de