

## CABICODES and Thesaurus in CAB ABSTRACTS (Dialog File 50)

**CABICODES.** Records in the CAB ABSTRACTS database have been classified using a scheme of codes called CABICODES. The CABICODES consist of a hierarchical thesaurus that divides the subject coverage of the CAB Abstracts database into 23 major sections. Each section then includes a series of codes that divides that subject into more specific subjects. The codes themselves are typically used to code for subjects which would be difficult to describe with keywords alone. There are approximately 250 CABICODES. CABICODES have been applied to records to indicate the broad subject areas within which they fall, and consist of five characters: two identical alphabetic characters and three digits (e.g. EE450, KK100, NN453). Records are usually indexed with up to seven codes.

```
? S ORGANIC(W)FARMING
```

```
S1 2458 ORGANIC(W)FARMING
```

```
? TYPE S1/CC
```

```
1/CC/1
```

```
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```

```
CABICODES: Plant Production (FF100); Engineering and  
Equipment General) (NN000); Field Crops, (New  
March 2000) (FF005); Horticultural Crops, (New  
March 2000) (FF003); Animal Wastes (XX100);  
Occupational Health and Safety (VV900)
```

CABICODES are indexed as a complete phrase and can be selected using CC= prefix:

```
? SELECT CC=LL500
```

```
S2 43751 CC=LL500 (ANIMAL NUTRITION (GENERAL))
```

```
? TYPE S2/CC
```

```
2/CC/1
```

```
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```

```
CABICODES: Animal Nutrition (General) LL500);  
Cleaning, Grading, Handling, Storage and Transport  
Equipment (NN460); Farm and Horticultural Structures  
(NN300); Dairy Animals (LL110); Animal Behavior (LL300)
```

The Text of each CABICODE is indexed as a complete phrase and can be selected using CN= prefix:

```
? SELECT CN=MEAT PRODUCE
S3 32946 CN=MEAT PRODUCE

? TYPE S3/CN

3/CN/1
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CABICODES: Food Contamination, Residues and Toxicology
(QQ200); Meat Produce (QQ030); Veterinary
Pharmacology and Anaesthesiology, (New March 2000)(LL882)
```

The CABICODES table includes modifications to old codes. As a result of this some codes have two name equivalents. Therefore truncating is recommended to get all records with the same code, e.g., S CC=FF020?

If the form of entry in the CC= index or in the CN= index is unknown, use the EXPAND to verify the form of entry. The appropriate entry can be selected from the index, e.g.,

```
? E CN=PESTICIDE

Ref  Items  Index-term
E1  41133  CN=PATHOGENS, PARASITES AND INFECTIOUS DISEASES (
E2  9662  CN=PEST AND WEED CONTROL EQUIPMENT, (DISCONTINUED
E3  0      *CN=PESTICIDE
E4  34361  CN=PESTICIDE AND DRUG RESIDUES AND ECOTOXICOLOGY,
E5  40421  CN=PESTICIDE AND DRUG RESISTANCE
E6  243730 CN=PESTICIDES AND DRUGS (GENERAL)
E7  6964   CN=PESTICIDES AND DRUGS; CHEMISTRY AND FORMULATIO
E8  93015  CN=PESTICIDES AND DRUGS; CONTROL, (NEW MARCH 2000
E9  465359 CN=PESTS, PATHOGENS AND BIOGENIC DISEASES OF PLAN
E10 96735  CN=PETS AND COMPANION ANIMALS
E11 18376  CN=PHARMACOLOGY, (NEW MARCH 2000)
E12 3173   CN=PHYSICAL SCIENCES (GENERAL)

? SELECT E5

S1 40421 CN='PESTICIDE AND DRUG RESISTANCE'

? TYPE S1/CN

1/CN/1
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CABICodes: Pesticide and Drug Resistance (HH410); Prion, Viral, Bacterial and
Fungal Pathogens of Humans, (New March 2000) (VV210); Morphology of
Microorganisms, (New March 2000) (ZZ392); Biochemistry and Physiology of
Microorganisms, (New March 2000) (ZZ394)
```

CABICODES enable searchers to locate general subject categories and to exclude irrelevant hits from their searches.

**CAB Thesaurus.** Records in the CAB ABSTRACTS database also have descriptors. Descriptors are subject index terms and phrases assigned to each record to characterize the substantive content of the original document. Descriptors are assigned from the CAB thesaurus. With approximately 59,000 terms (some 48,500 preferred terms; 10,500 non-preferred terms) it is among the largest thesauri covering agriculture and related subjects. There are comprehensive lists of terms for the science and technology of plants and animal production and the biology of all organisms. There are also terms for indexing the health and nutrition of animals and humans. The disciplines covered include chemistry, physics, earth sciences, physiology, genetics, ecology, economics and the social sciences. It is particularly strong on the pathogens, parasites and pests of plants, animals and humans.

Descriptors are indexed by individual word and by multiword phrase and may be selected as single words using proximity operators or as the complete phrase. Descriptors may include hyphens, commas, or other punctuation. Retain exact spacing and punctuation when selecting the descriptor as the complete phrase, e.g., SELECT AUJESZKY'S DISEASE/DE. If the descriptor or identifier (non-preferred term) includes a slash (/) or some other character that cannot be selected directly, the descriptor phrase must be enclosed in single or double quotation marks, e.g., SELECT "DOG AND CAT BEHAVIOUR"/ID. Use the proximity operators (W) or (N) to replace all punctuation when selecting descriptors as single words:

```
? S PEST(W)CONTROL/DE
S5 60454 PEST(W)CONTROL/DE

? TYPE S5/DE

5/DE/1
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DESCRIPTORS: sugarbeet; weeds; herbicides; weed;
control chemical control; application date;
glyphosate; diquat; paraquat; phenmedipham;
lenacil; desmedipham; ethofumesate; metatriton;
clopyralid; insect pests; plant pests; insect
control; pest control; natural enemies;
parasitoids; predators; beneficial arthropods;
predatory arthropods; crop yield; sugar crops;
agricultural entomology
ORGANISM DESCRIPTORS: Beta vulgaris var.
saccharifera; Myzus persicae; Aphidoidea;
Brachycaudus helichrysi; arthropods
GEOGRAPHIC NAMES: UK
```

Biosystematic or Organism Descriptor (/OD) and Geographic Name (/GN) are included in the descriptor field and can be selected using either /DE or /OD and /DE or /GN respectively:

```
? S BETA VULGARIS VAR?/OD
S6 20155 BETA VULGARIS VAR?/OD

? S BETA VULGARIS VAR?/DE
S7 20155 BETA VULGARIS VAR?/DE

? TYPE S6/DE

6/DE/1
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DESCRIPTORS: beet harvesters; harvesters; sugarbeet;
rollers; conveyors
```

ORGANISM DESCRIPTORS: **Beta vulgaris var. saccharifera**

GEOGRAPHIC NAMES: Ukraine

? S UK/DE

S8 92680 UK/DE

? S UK/GN

S9 92680 UK/GN

? TYPE S8/DE

8/DE/1

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DESCRIPTORS: host plants; parasitic plants;  
geographical distribution; hedges; parks; forest  
trees; broadleaves

ORGANISM DESCRIPTORS: Viscum album; Quercus robur;  
Quercus rubra; Quercus coccinea

GEOGRAPHIC NAMES: UK

Broader Terms are included in the thesaurus but they have to be selected using /BT. Broader terms are higher thesaurus terms for all terms in the OD and GN fields. Broader Terms are available for living organisms, chemicals, and geographic regions only.

? SELECT AQUATIC PLANTS/BT

S10 4631 AQUATIC PLANTS/BT

? TYPE S10/BT,DE

10/BT,DE/1

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DESCRIPTORS: mutants; herbicides; herbicide  
resistance; phenmedipham; amino acids;  
alanine; proteins

ORGANISM DESCRIPTORS: Chlamydomonas reinhardtii

BROADER TERMS: Chlamydomonas; Chlorophyta; algae;  
plants; **aquatic plants**; aquatic organisms

**Online Thesaurus.** An online thesaurus is available to verify a controlled term. Use the EXPAND command to determine whether a word or a phrase is appropriate as a search term:

? EXPAND PIGS

Ref	Items	RT	Index-term
E1	1		PIGROOTING
E2	1		PIGRUM
E3	165531	37	*PIGS
E4	1		PIGS AND CALVES
E5	2		PIGS AND CATTLE
E6	1		PIGS AND LABORATORY RATS
....			

Note the RT column. The word or phrase may have related terms—words or phrases that may represent the same concept, but may not be alphabetically close to the term you entered. To view the related terms EXPAND again, referencing the appropriate E number

? **EXPAND E3**

Ref	Items	Type	RT	Index-term
R1	165531		37	*PIGS
R2	6141	R	8	FARROWING
R3	314	R	4	FARROWING HOUSES
R4	316	R	6	FARROWING PENS
R5	2185	R	2	LARD
R6	3731	R	99	PIG BREEDS
R7	172	R	2	PIG FARMERS
R8	3021	R	3	PIG FARMING
...				
R19	8	F	2	BOAR PROGENY TESTING
R20	144681	F	1	HOGS
...				
R29	86334	B	27	LIVESTOCK
R30	1160	B	21	MEAT ANIMALS
R31	46	B	20	SKIN PRODUCING ANIMALS
R32	144609	B	4	SUS SCROFA
R33	10191	N	5	BOARS
R34	23	N	3	FERAL PIGS
....				

At any point, you can select appropriate reference numbers to create sets of the terms.

EXPANDING on a term within parentheses is a way to directly access the Related Terms display (rather than expanding twice):

? **EXPAND (PIGS)**

Ref	Items	Type	RT	Index-term
R1	165531		37	*PIGS
R2	6141	R	8	FARROWING
R3	314	R	4	FARROWING HOUSES
R4	316	R	6	FARROWING PENS
R5	2185	R	2	LARD
R6	3731	R	99	PIG BREEDS
R7	172	R	2	PIG FARMERS
R8	3021	R	3	PIG FARMING
....				

Within most R-numbered lists, a column labeled "Type" shows the hierarchical relationships among the terms in the list. Typical entries in this column include:

F	Use for
U	Use
N	Narrower term
B	Broader term
R	Related term

**Using Explode.** The Explode feature is designed to take advantage of the hierarchical organization of online thesaurus. It speeds retrieval by automatically selecting a term plus narrower related terms. To Explode a term, SELECT the term with an ending exclamation mark:

```
? SELECT PESTICIDES!
S11 174169 PESTICIDES!

? TYPE S11/DE

11/DE/1
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  DESCRIPTORS: drift; atomization; pesticides;
               herbicides; glyphosate; deposition; wind tunnels;
aerial spraying

10/DE/2
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  DESCRIPTORS: accuracy; plant protection; fungicides;
               application rates; pests; plant pathogenic fungi;
               techniques; algorithms; computers; fungal spores;
               counting; image analysis; image processing; machine
               vision; plant pathology
  ORGANISM DESCRIPTORS: fungi
```

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