

CROPU, the Derwent Crop Protection File, provides references to the worldwide literature on all aspects of pesticides, including their use in crop protection and pest control. The database offers a unique combination of biological and chemical information. Besides bibliographic data, CROPU provides full English-language abstracts detailing the latest developments and applications in crop protection, as well as precise indexing and coding, developed specifically for the crop protection industry.

CROPU covers 1985 to 2003. Companion file CROPB covers 1968 to 1984. The factual database Derwent Crop Protection Registry, CROPR, is another companion file to CROPU.

SUBJECT COVERAGE

All aspects of pesticides:

- Analysis
- Biochemistry
- Chemistry
- Toxicology
- Insecticides
- Herbicides
- Fungicides
- Molluscides
- Rodenticides
- Biological pest control

SOURCES

- 1,100 scientific journals and conference proceedings
- patents (from 1996 onwards)

FILE DATA

- 1985 to 2003: 197,564 citations
- Closed file
- Automatic current awareness searches (SDIs) are not available

PRODUCER / SUPPLIER

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USER AIDS

- Journal List and Selection Guidelines *
- Derwent Crop Protection File Thesaurus *
- User Manual *
- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE
- * available from producer

SEARCH AND DISPLAY FIELDS

Search Field Name	Search Code	Search Examples	Display Code
Basic Index (contains single words from title, controlled terms, abstract and extension abstract, and Enzyme Commission Numbers)	None or (/BI)	S BIOLOGICAL CONTROL(L)LARVA# S EC-2.3.1.6	TI, AB, ABEX, CT
Application Date 1)	/AD	S JULY 1994/AD	AI
Accession Number	/AN	S 93-81254/AN	AN
Application Number 2)	/AP (/APPS)	S US92-922329/AP S 92US-0922329/AP	AI
Author (includes inventor)	/AU	S PURCELL M/AU S JOHNSON M W/AU	AU
Availability of Document (Reprint Address) 3)	/AV	S TROPICAL FRUIT LABOR?/AV	AV
Application Year 1)	/AY	S 1994/AY	AI
Corporate Source 3)	/CS	S CIBA-GEIGY/CS	CS
Controlled Term (limited by roles) 4,5)	/CT	S LEPIDOPTERA/CT S HELIOTHIS *TR/CT	CT
Derwent Crop Registry Name (link to file CROPR) 6)	/DCRN (/CT)	S MACROCALB/DCRN	CT
Document Type (code and text)	/DT (/TC)	S JOURNAL/DT S J/DT	DT
Enzyme Commission Number	/EC	S EC-2.3.1.6/EC	CT
Entry Date 1)	/ED (/UP)	S L4 AND ED>JAN 1995	not displayed
Field Availability	/FA	S L7 AND AB/FA	FA
Inventor	/IN	S KARR J/IN	IN
International Standard (Document) Number (Coden)	/ISN	S EVETBX/ISN	SO
Journal Title	/JT	S PESTIC SCI/JT	SO
Language (code and text)	/LA	S DE/LA S GERMANY/LA AND L10	LA
Location 3)	/LO	S GREENSBORO USA/LO	LO
Multipunch Code (limited by roles) 7)	/MPC	S 025 132 333/MPC S 025 *PI 132 *PI 333 *PI/MPC	MPC
Other Source (WPI accession number)	/OS	S 96-076784/OS	OS
Patent Assignee 3)	/PA (/CS)	S HONDO CHEM?/PA	PA
Patent Country (WIPO code and text)	/PC (/PCS)	S US/PC S UNITED STATES/PC	PI
Publication Date 1)	/PD	S 19960118/PD	PI
Patent Number 2)	/PN (/PATS)	S US5482528/PN	PI
Publication Year 1)	/PY	S 1985-1987/PY	SO
Subject Heading (Thematic Groups) (code and text)	/SH	S WEED CONTROL/SH S H/SH	SH
Source (contains journal title, CODEN, collation, reprint address)	/SO	S WEED SCI/SO S PESTIC SCI/SO(L)20 NO 1/SO	SO
Title	/TI	S PSSCBG/SO S TRAP CROP/TI	TI

- 1) Numeric search field that may be searched using numeric operators or ranges.
- 2) Numbers are searchable in Derwent and STN format.
- 3) Search with implied (S) proximity is available in this field.
- 4) There are 9 roles available in field /CT to limit a search to a particular aspect of a pesticide or pest control: DM Degradation and Metabolism, FT Free Term (assigned when no other role assigned), IN Interaction, OC Other Context, RC Reference Compound, RN Registry Name, SE Side Effect, ST Toxicity, TR Treatment.
- 5) Controlled terms concerning the same compound in a record are linked by (L) proximity.
- 6) For file crossover to file CROPR, SELECT DCRN and search the resulting E-number(s) in CROPR.
- 7) Search with implied (L) proximity is available in this field. Multipunch codes concerning the same compound in a record are linked by (L) proximity. There are 4 roles to limit the search for codes: G General Chemical Codes, P Peptide Codes, PI Physical and Inorganic Codes, S Steroid Codes.

DISPLAY AND PRINT FORMATS

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

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

More information about display fields for specific types of information is available by typing one of the following 'HELP' commands at an arrow prompt (=>) in the CROPU database:

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HELP DFIELDS - lists all valid custom formats
HELP EFIELDS - lists all selectable fields
HELP FORMATS - lists valid predefined formats
HELP SRTFIELDS - lists valid sort fields
    
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Format	Definition	Examples
AB ABEX AI (APPS) 1) AN AU AV CS CT DCRN DT (TC) EC FA IN (AU) ISN JT LA LO MPC OS PA (CS) PI (PATS) 1) PY SO TI	Abstract Abstract Extension Application Information Accession Number Author Availability of Document (Reprint Address) Corporate Source Controlled Term (incl. Enzyme Com. Nos.) Derwent Crop Registry Name Document Type Enzyme Commission Number Field Availability Inventor International Standard (Document) Number Journal Title Language Location Multipunch Code Other Source (DWPI accession number) Patent Assignee Patent Information Publication Year Source Title	D TI AB 1-4 D ABEX D AI 1-5 DIS AN D AU TI 1-10 D TI AV 1-5 D CS D CT D DCRN D DT LA D EC D AN FA D IN PA D JT ISN D JT D LA D CS LO D MPC D OS D PA PI 5 D PI D PY D L5 SO D TI 5
ABS ALL 1) IALL 1) BIB 1) CBIB 1) IBIB 1) IND MAX 1) TRIAL (TRI, SAM)	AN, AB, ABEX AN, TI, AU, IN, CS, PA, LO, SO, AV, LA, PI, AI, DT, AB, SH, CT, FA ALL, indented with text labels AN, TI, AU, IN, CS, PA, LO, SO, AV, LA, PI, AI, DT, FA (default) AN, TI, AU, IN, CS, PA, LO, SO, AV, LA, PI, AI, DT (compressed bibliography) BIB, indented with text labels AN, SH, CT, MPC AN, TI, AU, IN, CS, PA, LO, SO, AV, LA, PI, AI, DT, AB, ABEX, SH, CT, MPC, FA AN, TI, CT	D ABS D ALL D IALL D BIB D CBIB D IBIB D IND D MAX D TRIAL
HIT KWIC OCC	Hit-term(s) and field(s) Up to 50 words before and after hit-term(s) (KeyWord-In-Context) Number of occurrences of hit-term(s) and field(s) in which they occur	D HIT D KWIC D OCC

1) Application and patent numbers are available in DERWENT and STN format. The format for DISPLAY, PRINT, SELECT and SORT is controlled by the Messenger SET PATENT command. The STN format is default. 'SET PAT DERWENT' changes (permanently) to the DERWENT format. To change to the STN format again, enter 'SET PAT STN'.

SELECT, ANALYZE, AND SORT CODES

The SELECT command is used to create E-numbered or L-numbered lists of terms taken from the specified field(s) 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 alphanumeric (A) or numeric (N) order of the specified field(s).

Definition	Code	Analyze/ Select 1)	Sort
Abstract	AB	X 2)	-
Abstract Extension	ABEX	X 2)	-
Application Country	AC	X	A
Application Date	AD	X	N
Application Information	AI (AP, APPS)	X 3)	A
Accession Number	AN	X	-
Author	AU (IN)	X	A
Availability of Document	AV	X	A
CODEN	CODEN	-	A
Corporate Source	CS (PA)	X	A
Controlled Term	CT	X	-
Derwent Crop Registry Name	DCRN	X	-
Document Type	DT	X	A
Enzyme Commission Number	EC	X	A
Field Availability	FA	X	A
Inventor	IN (AU)	X	A
International Standard (Document) Number	ISN	X	-
Journal Title	JT	X	A
Language	LA	X	A
Location	LO	X	A
Multipunch Code	MPC	X	-
Occurrence Count of Hit Terms	OCC	-	N
Other Source (WPI accession number)	OS	X	A
Patent Assignee	PA (CS)	X	A
Patent Information	PI (PN)	X 3)	A
Patent Country	PC (PCS)	X	A
Publication Date	PD	X	N
Patent Number	PN (PATS)	X	A
Subject Heading	SH	X	A
Source	SO	X	-
Title	TI	X (default)	A

- 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 TI.
- Appends /BI to the terms created by SELECT.
- SELECTed and SORTed application and patent numbers are in the format set by the Messenger SET PATENT command, either DERWENT or STN.

SAMPLE RECORDS**DISPLAY IALL**

ACCESSION NUMBER: 1993-81254 CROPU Q
 TITLE: Biological Control of Helicoverpa zea (Lepidoptera: Noctuidae) with Steinernema carpocapsae (Rhabditida: Steinernematidae) in Corn Used as a Trap Crop.
 AUTHOR: Purcell M; Johnson M W; Lebeck L M; Hara A H
 LOCATION: Honolulu, Hawaii, U.S.A.
 SOURCE: Environ.Entomol. (21, Number 6, 1441-47, 1992) 4 Fig. 3 Tab. 16
 Reference
 CODEN: EVETBX
 AVAIL. OF DOC.: USDA-ARS Tropical Fruit and Vegetable Laboratory, P.O. Box 1330, Kapaa, Kauai, HI 96746, U.S.A.

DISPLAY IALL (continued)

DOCUMENT TYPE: Journal
 LANGUAGE: English

ABSTRACT:

Effects of corn borders, grown as a trap crop for *Bactrocera cucurbitae*, on *Heliothis zea* in tomato were studied, with and without *Steinernema* (*Neoaplectana*) *carpocapsae* (Sc). When Sc was applied directly into the corn ear, at 0, 400, 4000 or 40000 IJ/ml water, applied at 10 ml/ear, in the 2nd wk of silking, when *H. zea* were present in 60-70% of ears, larval mortality was significantly higher with 4000 or 40000 IJ/ml than with 400 IJ/ml. In corn borders around tomatoes, plants treated with Sc had 15 times fewer surviving larvae and 97% less damage than untreated ears. Larval populations and mean larval damage were significantly higher in untreated ears, and marketable yield of tomatoes in adjacent plots was 18% lower. Tomato plots without corn borders consistently yielded higher than those with borders.

ABSTRACT EXTENSION:

In initial tests, on corn grown next to cucumber, application of 400, 4000 and 40000 IJ/ml Sc caused 37.3 +/- 1.8, 57.6 +/- 5.4 and 74.5 +/- 17.4% mortality of *H. zea* larvae, respectively, within 6 d of application, compared to 7.0 +/- 7.0% mortality in untreated controls. In corn borders around tomatoes, mean number of living larvae in Sc-treated corn was 0.03 +/- 0.02/ear, compared to 0.45 +/- 0.06/ear in untreated corn, and mean feeding damage was 3.8 +/- 0.25 and 0.16 +/- 0.02 cm, respectively.

SUBJECT HEADING: Q Chemosterilants

CONTROLLED TERM:

[01]

NEOAPLECTANA-CARPOCAPSAE *TR; MAIZE *TR; CEREAL *TR; CROP *TR; HELIOTHIS *TR; NOCTUIDAE *TR; LEPIDOPTERA *TR; ZEA *TR; TOMATO *OC; VEGETABLE *OC; CROP *OC; BACTROCERA *OC; CUCURBITAE *OC; BIOINSECTICIDE *FT; DOSAGE *FT; APPL.TIME *FT; CROP-GROWTH-STAGE *FT; LARVA *FT; DAMAGE *FT; YIELD *FT; PLANT-PART *FT; EAR *FT; TRAP-CROP *FT; BORDER *FT; FIELD *FT; HAWAII *FT; BIOL.CONTROL-AGENT *FT; CULTURAL-PRACTICE *FT; AREA-OCEANIA *FT; BIOL.CONTROL-AGENTS *FT; BIOINSECTICIDES *FT; STEINERMATIDAE *FT; NEMATODA *FT; NEOAPLCAR *RN; TR *FT

FIELD AVAIL.: AB; LA; CT

DISPLAY BIB

AN 1992-84438 CROPU G H
 TI Primisulfuron plus Primary Linear Alcohol Ethoxylates for Johnsongrass (*Sorghum halepense* (L.) Pers.), Shattercane (*Sorghum bicolor* (L.) Moench) and Quackgrass (*Elytrigia repens* (L.) Nevski) Control.
 AU McGinness C L; Porpiglia P J; Gillespie G R
 CS CIBA-Geigy
 LO Greensboro, N.C., USA
 SO Abstr.Meet.Weed Sci.Soc.Am. (32, 13, 1992)
 AV CIBA-Geigy Corp., Greensboro, N.C., USA.
 DT Conference
 LA English
 FA LA; CT; MPC