

## AGRICOLA (Agriculture Online Access Database)

<b>Subject Coverage</b>	<ul style="list-style-type: none"> <li>• Agriculture</li> <li>• Animal Science</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Energy</li> <li>• Entomology</li> </ul>	<ul style="list-style-type: none"> <li>• Food Science</li> <li>• Forestry</li> <li>• Genetics</li> <li>• Home Economics</li> <li>• Life Sciences</li> <li>• Natural Resources</li> </ul>	<ul style="list-style-type: none"> <li>• Nutrition</li> <li>• Pesticides</li> <li>• Plant Diseases</li> <li>• Rural Society</li> <li>• Soil Science</li> <li>• Veterinary Medicine</li> </ul>
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**File Type** Bibliographic, Indexing

<b>Features</b>	<p><b>Thesaurus:</b> CABA Controlled Term (/CT) Geographic Term (/CT)</p> <p><a href="#">Alerts (SDIs)</a> Monthly</p> <p><a href="#">CAS Registry Numbers®</a> <input checked="" type="checkbox"/> Page Images <input type="checkbox"/> <a href="#">STN AnaVist</a> <input type="checkbox"/></p> <p><a href="#">Keep &amp; Share</a> <input checked="" type="checkbox"/> <a href="#">SLART</a> <input type="checkbox"/> <a href="#">STN Easy</a> <input checked="" type="checkbox"/></p> <p>Learning Database <input type="checkbox"/> Structures <input type="checkbox"/> <a href="#">STN Viewer</a> <input type="checkbox"/></p>
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**Record Content**

- Worldwide coverage of agriculture and related fields
- Records contain bibliographic information, geographic terms, controlled terms, supplementary terms that include GenBank Numbers, chemical names, and CAS Registry Numbers
- Abstracts are available for some records.

**File Size** • More than 4.5 million records (12/09)

**Coverage** 1970-present

**Updates** Monthly.

**Language** English

**Database Producer** National Agricultural Library (NAL)  
U.S. Department of Agriculture (USDA)

**Sources**

Bibliographies  
Serial Articles  
Book Chapters  
Monographs  
Computer Files  
Serials  
Maps  
Audiovisuals  
Reports  
Catalogs and chemical libraries from suppliers worldwide.

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**User Aids**

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

**Clusters**

- [AGRICULTURE](#)
  - [AUTHORS](#)
  - [ALLBIB](#)
  - [BIOSCIENCE](#)
  - [CASRNS](#)
  - [CHEMISTRY](#)
  - [COMPANIES](#)
  - [CORPSOURCE](#)
  - [ENVIRONMENT](#)
  - [FOOD](#)
  - [MEETINGS](#)
  - [TOXICOLOGY](#)
- 

**Pricing**

See the [STN Price List](#) or enter HELP COST at an arrow prompt (=>).

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## Search and Display Field Codes

There are no fields that allow left truncation in this file.

Search Field Name	Search Code	Search Example	Display Codes
Basic Index (contains single words from the title (TI), CABA controlled term (CT), Library of Congress controlled term (CTLC), supplementary term (ST), abstract (AB), named person (NA), corporate name (CO), note (NTE), CABA geographic term (GT), other geographic term (GTO), and chemical name (CN) fields, as well as CAS Registry Numbers)	None (or /BI)	S FORAGING S NATURAL PEST CONTROL? S STATE (L) COUNCIL# S 7772-98-7 S GENBANK U35001	AB, CO, CT, CTLC, GT, GTO, NA, NTE, RN, ST, TI
Accession Number	/AN	S 96:34853/AN S 1998:2795/AN	AN
Author	/AU	S LEMASTERS J?/AU	AU
Availability (contains codes for filing and holding locations, NAL and Library of Congress call numbers designations)	/AV	S L1 AND DNAL/AV S L1 AND DLC/AV S MIU/AV	AV
Bibliographic Level	/BL	S COLLECTION/BL S MONOGRAPHIC PART/BL AND L3	BL
Chemical Name	/CN	S 1,2-DICHLOROPROPANE/CN	RN
Classification Code (1)	/CC	S DAIRY/CC S CONSUMER ECONOMICS/CC	CC
Company Name (Corporate Name) (1)	/CO	S RESEARCH CENTER/CO	CO
Controlled Term, CABA (2)	/CT	S CINCHONA/CT S ACID RAIN+ALL/CT	CT
Controlled Term, Library of Congress (LC Subject Heading)	/CTLC	S CONGRESSES/CTLC S ECOSYSTEM MANAGEMENT/CTLC	CTLC
Controlled Word (contains single words from CABA controlled terms and Library of Congress controlled terms)	/CW	S (AGRICULTUR? (S) WORK#)/CW	CT, CTLC
Corporate Source (1)	/CS	S DEPARTMENT OF AGRICULTURE/CS S "ROSS LABORATORIES"/CS	CS
Country of Publication (code and text) (3)	/CY	S L1 AND UK/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 (4)	/ED	S ED>=19970300	Not displayed
Field Availability	/FA	S AB/FA	Not displayed
File Segment	/FS	S MI EXTENSION SERVICE/FS	FS
Geographic Term, CABA (2)	/GT	S EAST ASIA/GT S SHANGHAI+BT/GT	GT
Geographic Term, Other	/GTO	S PACIFIC AREA/GTO	GTO
International Standard (Document) Number (contains CODEN, ISSN, and ISBN)	/ISN	S 1000-1298/ISN	ISN, SO

## Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Example	Display Codes
Journal Title (contains full and abbreviated title)	/JT	S JOURNAL OF AGRIBUSINESS/JT S J AGRIBUSINESS/JT	JT, JTA, JTF, SO
Language (code and text)	/LA	S FR/LA	LA
Library of Congress Control Number	/LCN	S 28027828/LCN	LCN
Meeting Title (1)	/MT	S WORLD PARKS/MT	MT, SO
Meeting Location (1)	/ML	S SAN DIEGO/ML	ML, SO
Meeting Year (4)	/MY	S 1995-1996/MY	MY, SO
Named Person	/NA	S PASTEUR LOUIS/NA	NA
Note	/NTE	S NOTEBOOK#/NTE	NTE
Publication Year (4)	/PY	S 1996/PY	PY, SO
Source (contains publication title, collation information (volume, issue, pagination), meeting information, ISBN, ISSN, CODEN, publication date, publication frequency, publication status, publisher, editors, government source, etc.)	/SO	S (CHROMATOGRAPHY AND ELSEVIER)/SO S JCRAEY/SOS VOL 823/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 (4)	/UP	S L4 AND UP>19980100	Not displayed

(1) Search with implied (S) proximity is available in this field.

(2) There is an online thesaurus associated with this field.

(3) Includes provinces and states.

(4) Numeric search field that may be searched using numeric operators or ranges.

## 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.

The search field is /CT.

### CABA Controlled Term (/CT)

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

## Thesaurus Fields (cont'd)

(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)	Narrower Terms (SELF, NT)	S SCOTLAND+AUTO/GT
BT	Broader Terms (SELF, BT)	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 (-->)	Thesaurus Term
BT	Broader Term
KT	Keyword Term (Permuted Index)
NOTE	Note
NT	Narrower Term
RT	Related Term
UF	Forbidden Term
USE	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 JTA and PY. 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 (1)	Accession Number	D AN
AU	Author	D AU CS 1-5
AV	Availability	D AV
BL (2)	Bibliographic Level	D BL
CC (1)	Classification Code	D 2 4 6 CC
CO (1)	Company Name (Corporate Name)	D CO
CS	Corporate Source	D CS 1,25

**DISPLAY and PRINT Formats (cont'd)**

<b>Format</b>	<b>Content</b>	<b>Examples</b>
CT (1)	Controlled Term, CABA	D CT
CTLIC (1)	Controlled Term, Library of Congress (LC Subject Heading)	D CTLIC
CY	Country of Publication	D CY
DN	Document Number	D AN DN
DT (TC)	Document Type	D DT
FS	File Segment	D FS
GT (1)	Geographic Term, CABA	D GT
GTO (1)	Geographic Term, Other	D GTO
ISN (2)	International Standard (Document) Number (CODEN, ISBN, ISSN)	D ISN
JT (2)	Journal Title (JTF and JTA)	D JT
JTA (2)	Journal Title, Abbreviated	D JTA
JTF (2)	Journal Title, Full	D JTF
LA	Language	D LA SL
LCN	Library of Congress Control Number	D AN LCN
ML (2)	Meeting Location	D ML
MT (2)	Meeting Title	D MT
MY (2)	Meeting Year	D MY
NTE	Note	D NTE
PY (2)	Publication Year	D JT PY
RN (CN)	CAS Registry Number and Chemical Name	D RN
SL	Summary Language	D LA SL
SO	Source	D SO
ST (1)	Supplementary Term	D CT ST
TI (1)	Title	D TI
ABS	AB	D ABS
ALL	AN, DN, TI, AU, CS, AV, LCN, SO, NTE, CY, DT, FS, LA, SL, AB, CC, CT, CTLIC, CO, NA, ST, GT, GTO, RN	D L3 2 ALL
BIB	AN, DN, TI, AU, CS, AV, LCN, SO, NTE, CY, DT, FS, LA, SL (BIB is the default)	D 1-
CBIB	Compressed bibliographic information	D 6-8 CBIB AB
DALL	ALL, delimited for post-processing	D DALL
IABS	ABS, with a text label	D IABS
IBIB	BIB, indented with text labels	D IBIB
IND (1)	CC, CT, CTLIC, CO, NA, ST, GT, GTO, RN	D IND
IALL	ALL, indented with text labels	D L7 6 IALL
SAM (TRI, TRIAL) (1)	TI, CC, CT, CTLIC, CO, NA, ST, GT, GTO, RN	D SAM 2-4, 10
SCAN (3)	TI, CC, CT, CTLIC, CO, NA, ST, GT, GTO, RN (random display without answer numbers)	D SCAN
HIT	Fields containing hit terms	D HIT
KWIC	Hit terms plus 20 words on either side (Key-Word-In-Context)	D KWIC
OCC (1)	Number of occurrences of hit terms and fields in which they occur	D OCC

(1) No online display charge for this option.

(2) Custom display only.

(3) No online display charge for this option. SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

## 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	Y (2)	N
Accession Number	AN	Y	N
Author	AU	Y	Y
Availability	AV	Y	Y
Bibliographic Level	BL	Y	Y
CAS Registry Number	RN	Y (2)	N
CAS Registry Number and Chemical Name	CHEM	Y (2)	N
Chemical Name	CN	Y	N
	NAME	Y (2)	N
Citation	CIT	Y (3,4)	N
Classification Code	CC	Y	Y
CODEN	CODEN	N	Y
Controlled Term, CABA	CT	Y	N
Controlled Term, Library of Congress (LC Subject Heading)	CTLG	Y	N
Corporate Name	CO	Y	Y
Corporate Source	CS	Y	Y
Country of Publication	CY	Y	Y
Document Number	DN	Y	Y
Document Type	DT	Y	Y
File Segment	FS	Y	Y
Geographic Term	GT	Y	Y
Geographic Term, Other	GTO	Y	Y
International Standard Book Number Number	ISBN	N	Y
International Standard (Document) Number	ISN	Y (5)	N
International Standard Serial Number Number	ISSN	N	Y
Journal Title	JT	Y	Y
Journal Title, Abbreviated	JTA	Y (3,7)	Y
Journal Title, Full	JTF	Y (7)	Y
Language	LA	Y	Y
Library of Congress Number	LCN	Y	Y
Meeting Location	ML	Y	Y
Meeting Title	MT	Y	Y
Meeting Year	MY	Y	Y
Note	NTE	Y	N
Occurrence of Hit Terms	OCC	N	Y
Publication Year	PY	Y (3)	Y
Source	SO	Y (6)	N
Summary Language	SL	Y	Y
Supplementary Term	ST	Y	N
Title	TI	Y (default)	Y
Treatment Code	TC	Y	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) Appends /BI to the terms created by SELECT.

(3) SELECT HIT and ANALYZE HIT are not valid with this field.

(4) Extracts first author, publication year, volume, and first page with a truncation symbol appended and with /RE appended to the terms created by SELECT.

(5) Selects or analyzes the CODEN, ISBN, ISSN with /ISN appended to the terms created by SELECT.

(6) Selects or analyzes the CODEN, ISBN, ISSN with /SO appended to the terms created by SELECT.

(7) Appends /JT to the terms created by SELECT.

## Sample Records

### DISPLAY IALL

ACCESSION NUMBER: 2000:41239 AGRICOLA  
DOCUMENT NUMBER: IND22047901  
TITLE: Seasonal and interannual variations of total evaporation and their relations with precipitation, net radiation, and net carbon accumulation for the Gediz basin area.  
AUTHOR(S): Choudhury, B.J.  
CORPORATE SOURCE: NASA, Greenbelt, MD.  
AVAILABILITY: DNAL (292.8 J82)  
SOURCE: Journal of hydrology, Mar 27, 2000. Vol. 229, No. 1/2. p. 77-86  
Publisher: Amsterdam : Elsevier Science B.V.  
CODEN: JHYDA7; ISSN: 0022-1694  
NOTE: In the second issue: Comparing actual evapotranspiration from satellite data, hydrological models and field data / edited by G. Kite and P. Droogers.  
Includes references  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Article  
FILE SEGMENT: Non-U.S. Imprint other than FAO  
LANGUAGE: English  
ABSTRACT:

A model combining the rate of carbon assimilation with water and energy balance equations has been run using satellite and ancillary data for a period of 60 months (from January 1986 to December 1990) over the global land surface. Calculations for the Gediz basin area give mean annual total evaporation as 395 mm, which is composed of 45% transpiration, 42% soil evaporation and 13% interception. The coefficient of interannual variation of evaporation is found to be 6%, while that for precipitation and net radiation are, respectively, 16 and 2%, illustrating that net radiation has an important effect in modulating interannual variation of evaporation. The mean annual water use efficiency (i.e. the ratio of net carbon accumulation and total evaporation) is ca. 1 g m<sup>-2</sup> mm<sup>-1</sup>, and has a coefficient of interannual variation of 5%. A comparison of the mean water use efficiency with field observations suggests that evaporation over the area is utilized well for biomass production. The reference crop evaporation for irrigated areas has annual mean and coefficient of variation as, respectively, 1176 mm and 3%. The total evaporation during three summer months of peak evaporation (June-August) is estimated to be about 575 mm for irrigated crops like maize and cotton. Seasonal variations of the fluxes are presented.

**DISPLAY IALL (cont'd)**

CLASSIFICATION: F600 Plant Physiology and Biochemistry; J200  
Soil Chemistry and Physics; X100 Mathematics and  
Statistics

CONTROLLED TERM (CABA): biomass production; crop production; mathematical  
models; seasonal variation; simulation models

GEOGRAPHIC TERM (CABA): turkey

CAS REGISTRY NO.: 7440-44-0 (CARBON)

**DISPLAY BIB**

AN 2000:39172 AGRICOLA

DN CAT11069967

TI Aquifer-system compaction and land subsidence : measurements,  
analyses, and simulations : the Holly site, Edwards Air Force Base,  
Antelope Valley, California.

AU Sneed, Michelle; Galloway, Devin L.

CS United States Dept. of the Air Force; Geological Survey (U.S.)

AV DNAL (GB701.W375 no. 00-4015)

SO 2000 vii, 65 p. : ill., maps ; 28 cm  
Publisher: Sacramento, Calif. : U.S. Dept. of the Interior, U.S.  
Geological Survey ; Denver, CO : Information Services [distributor],  
2000.  
Series: Water-resources investigations report ; 00-4015  
Gov. Doc. No.: I 19.42/4:00-4015 (sudocs)  
Gov. Source: Federal

NTE Shipping list no.: 2000-0246-P.  
Includes bibliographical references (p. 61-65).

CY California; United States

DT Bibliography; (MONOGRAPH)

FS U.S. Imprints not USDA, Experiment or Extension

LA English

**DISPLAY IND**

CC E310 U.S. Food and Nutrition Programs; T100 Nutrition and Health  
Education

CT children; clinical investigations; evaluation; health education;  
infants; nutritional state; patient care; standards; study guides;  
teaching materials; teaching methods; training; women

CTLC Nutrition: In-servcie training; Special Supplemental Food Program  
for Women, Infants and Children

ST wic program

GT idaho

GTO Idaho

RN 7439-89-6 (IRON)

**EXPAND in the CABA Controlled Term (/CT) Thesaurus**

=> E ORGANOCHLORINE PESTICIDES+ALL/CT

E1 80 BT2 ORGANIC HALOGEN COMPOUNDS/CT

E2 896 BT1 ORGANOCHLORINE COMPOUNDS/CT

E3 518 --> ORGANOCHLORINE PESTICIDES/CT

E4 0 UF ORGANIC CHLORINE PESTICIDES/CT

E5 1 NT1 ORGANOCHLORINE ACARICIDES/CT

E6 3 NT2 BROMOCYCLEN/CT

E7 768 NT2 DDT/CT

E8 3 NT2 DIENOCHLOR/CT

E9 279 NT2 ENDOSULFAN/CT

E10 435 NT2 LINDANE/CT

E11 123 NT1 ORGANOCHLORINE INSECTICIDES/CT

E12 89 NT2 CAMPHECHLOR/CT

E13 41 NT2 CYCLODIENE INSECTICIDES/CT

E14 107 NT3 ALDRIN/CT

E15 182 NT3 CHLORDANE/CT

**AGRICOLA****EXPAND in the CABA Controlled Term (/CT) Thesaurus (cont'd)**

E16	70	NT3	CHLORDECONE/CT
E17	239	NT3	DIELDRIN/CT
E18	0	NT3	DILOR/CT
E19	279	NT3	ENDOSULFAN/CT
E20	51	NT3	ENDRIN/CT
E21	94	NT3	HEPTACHLOR/CT
E22	0	NT3	ISOBENZAN/CT
E23	0	NT3	KELEVAN/CT
E24	49	NT3	MIREX/CT
E25	768	NT2	DDT/CT
E26	1	NT2	ETHYL-DDD/CT
E27	355	NT2	HCH/CT
E28	435	NT2	LINDANE/CT
E29	59	NT2	METHOXYCHLOR/CT
E30	350	NT2	PENTACHLOROPHENOL/CT
E31	3	NT1	SODIUM PENTACHLOROPHENOXIDE/CT
E32	359	RT	CHLORINATED HYDROCARBONS/CT
E33	5865	RT	PESTICIDES/CT

\*\*\*\*\* END \*\*\*\*\*

**EXPAND in the Geographic Term (/GT) Thesaurus**

=> E UK+ALL/GT

E1	4972	BT3	EUROPE/GT
E2	399	BT2	WESTERN EUROPE/GT
E3	244	BT1	BRITISH ISLES/GT
E4	37	BT1	EUROPEAN UNION COUNTRIES/GT
E5	18	BT1	OECD COUNTRIES/GT
E6	3442	-->	UK/GT

NOTE Geographic Term

E7	0	UF	BRITAIN/GT
E8	3884	UF	UNITED KINGDOM/GT
E9	40	NT1	CHANNEL ISLANDS/GT
E10	2653	NT1	GREAT BRITAIN/GT
E11	6217	NT2	ENGLAND/GT
E12	10	NT3	EAST MIDLANDS OF ENGLAND/GT
E13	127	NT3	EASTERN ENGLAND/GT
E14	162	NT3	NORTHERN ENGLAND/GT
E15	193	NT3	SOUTH EAST ENGLAND/GT
E16	166	NT3	SOUTH WEST ENGLAND/GT
E17	64	NT3	WEST MIDLANDS OF ENGLAND/GT
E18	68	NT3	YORKSHIRE AND LANCASHIRE/GT
E19	2760	NT2	SCOTLAND/GT
E20	48	NT3	EASTERN SCOTLAND/GT
E21	45	NT3	NORTHERN SCOTLAND/GT
E22	40	NT3	SCOTTISH HIGHLANDS AND ISLANDS/GT
E23	38	NT3	WEST SCOTLAND/GT
E24	1424	NT2	WALES/GT
E25	10	NT1	ISLE OF MAN/GT
E26	912	NT1	NORTHERN IRELAND/GT
E27	6	RT	COMMONWEALTH OF NATIONS/GT

\*\*\*\*\* END \*\*\*\*\*

**In North America**

CAS  
STN North America  
P.O. Box 3012  
Columbus, Ohio 43210-0012 U.S.A.

CAS Customer Care:  
Phone: 800-753-4227 (North America)  
614-447-3700 (worldwide)  
Fax: 614-447-3751  
E-mail: help@cas.org  
Internet: www.cas.org

**In Europe**

FIZ Karlsruhe  
STN Europe  
P.O. Box 2465  
76012 Karlsruhe  
Germany  
Phone: +49-7247-808-555  
Fax: +49-7247-808-259  
E-mail: helpdesk@fiz-karlsruhe.de  
Internet: www.stn-international.de

**In Japan**

JAICI (Japan Association for  
International Chemical Information)  
STN Japan  
Nakai Building  
6-25-4 Honkomagome, Bunkyo-ku  
Tokyo 113-0021, Japan  
Phone: +81-3-5978-3601 (Technical Service)  
+81-3-5978-3621 (Customer Service)  
Fax: +81-3-5978-3600  
E-mail: support@jaici.or.jp (Technical Service)  
customer@jaici.or.jp (Customer Service)  
Internet: www.jaici.or.jp