Bringing Agrovoc terms into Koha ILS

kohacon17

Eugene Jose T. Espinoza
Consultant
Co-owner and CTO, OnStrike Library Solutions
Secretary, Association of Special Libraries of the Philippines
Librarian, Chinese eneral Hospital Colleges

For 2017 Koha International Conference (KohaCon2017)

- Library Systems Analyst Consultant for the Food and Agriculture Organization of the United Nations in Rome, Italy (April 2015 – December 2015)

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Backgrounder

About Koha

Server Information | Perl modules | System information | Koha Team | Licenses | Translations | Koha Timeline

Server information

Koha version:	3.12.12.000
OS version ('uname -a'):	Linux unfao.koha.ptfsadmin.uk0.bigv.io 3.2.0-4-amd64 #1 SMP Debian 3.2.60-1+deb7u3 x86_64 GNU/Linux
Perl interpreter:	/usr/bin/perl
Perl version:	5.014002
Perl @INC:	/home/koha/kohaclone /etc/perl /usr/local/lib/perl/5.14.2 /usr/local/share/perl/5.14.2 /usr/lib/perl5 /usr/share/perl5 /usr/lib/perl/5.14 /usr/share/perl/5.14 /usr/local/lib/site_perl .
MySQL version:	mysql Ver 14.14 Distrib 5.5.38, for debian-linux-gnu (x86_64) using readline 6.2
Apache version:	Server version: Apache/2.2.22 (Debian)
Zebra version:	Zebra 2.0.59 (C) 1994-2014, Index Data Zebra is free software, covered by the GNU General Public License, and you are welcome to change it and/or distribute copies of it under certain conditions. SHA1 ID: c00bfddbf0f3608340d61298acc61dafb167f9b2 Using ICU

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Had to do it in 6-8 months, aside from some data cleaning tasks

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addbiblio.pl

```
                }
                push( @loop_data, \%tag_data );
            }
        } # foreach $field end

    # if breeding is empty
    }
    else {
        my @subfields_data;
        foreach my $subfield ( sort( keys %{ $tagslib->{$tag} } ) ) {
            next if ( length $subfield != 1 );
            next
              if ( ( $tagslib->{$tag}->{$subfield}->{hidden} <= -5 )
                or ( $tagslib->{$tag}->{$subfield}->{hidden} >= 4 ) )
              and not ( $subfield eq "9" and
                        exists($tagslib->{$tag}->{'a'}->{authtypecode}) and
                        defined($tagslib->{$tag}->{'a'}->{authtypecode}) and
                        $tagslib->{$tag}->{'a'}->{authtypecode} ne ""
                      )
              ;    #check for visibility flag
                   # if subfield is $9 in a field whose $a is authority-controlled,
                   # always include in the form regardless of the hidden setting - bug 2206
            next
              if ( $tagslib->{$tag}->{$subfield}->{tab} ne $tabloop );
    push(
                @subfields_data,
                &create_input(
                    $tag, $subfield, '', $index_tag, $tabloop, $record,
                    $authorised_values_sth,$input
                )
            );
        }
        if ( $#subfields_data >= 0 ) {
            my %tag_data = (
                tag             => $tag,
                index           => $index_tag,
                tag_lib         => $tagslib->{$tag}->{lib},
                repeatable      => $tagslib->{$tag}->{repeatable},
```

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AgrovocWSService.pm

```
package AgrovocWSService;
# Generated by SOAP::Lite (v0.714) for Perl -- soaplite.com
# Copyright (C) 2000-2006 Paul Kulchenko, Byrne Reese
# -- generated at [Fri Jan 13 15:44:50 2012]
# -- generated from file:///home/cc/bloody_agrovoc/ACSWWebService.WSDL
my %methods = (
getAgrovocDatabaseNames => {
    endpoint => 'http://agrovoc.mimos.my/ACSWWebservice/services/ACSWWebService',
    soapaction => '',
    namespace => 'http://webservice.acsw.fao.org',
    parameters => [
    ], # end parameters
  }, # end getAgrovocDatabaseNames
getConceptObject => {
    endpoint => 'http://agrovoc.mimos.my/ACSWWebservice/services/ACSWWebService',
    soapaction => '',
    namespace => 'http://webservice.acsw.fao.org',
    parameters => [
      SOAP::Data->new(name => 'clsName', type => 'xsd:string', attr => {}),
      SOAP::Data->new(name => 'ontology', type => 'xsd:string', attr => {}),
    ], # end parameters
  }, # end getConceptObject
getTermcodeByTerm => {
    endpoint => 'http://agrovoc.mimos.my/ACSWWebservice/services/ACSWWebService',
    soapaction => '',
    namespace => 'http://webservice.acsw.fao.org',
    parameters => [
      SOAP::Data->new(name => 'searchTerm', type => 'xsd:string', attr => {}),
    ], # end parameters
  }, # end getTermcodeByTerm
getConceptInfoByURI => {
    endpoint => 'http://agrovoc.mimos.my/ACSWWebservice/services/ACSWWebService',
    soapaction => '',
    namespace => 'http://webservice.acsw.fao.org',
    parameters => [
      SOAP::Data->new(name => 'ontologyName', type => 'xsd:string', attr => {}),
      SOAP::Data->new(name => 'conceptURI', type => 'xsd:string', attr => {}),
      SOAP::Data->new(name => 'format', type => 'xsd:string', attr => {}),
```

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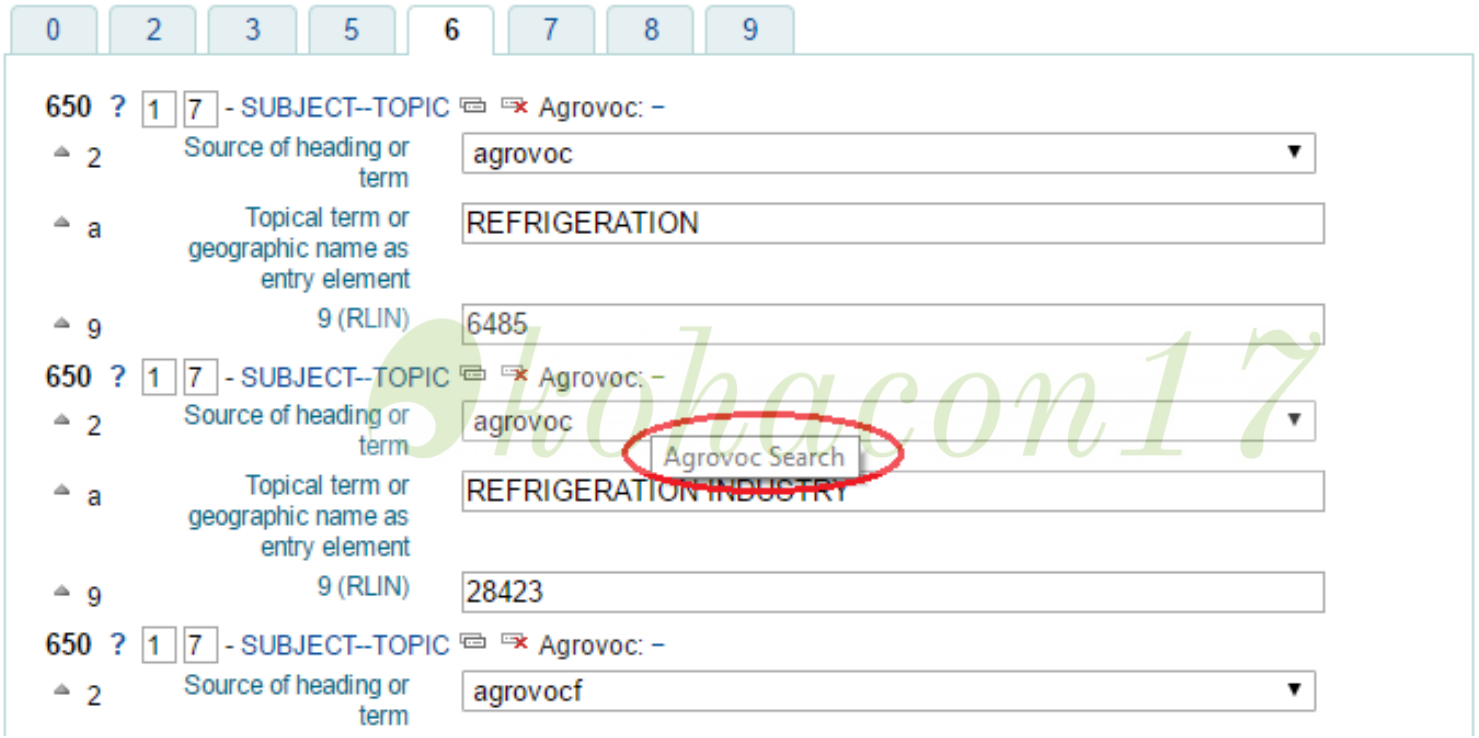
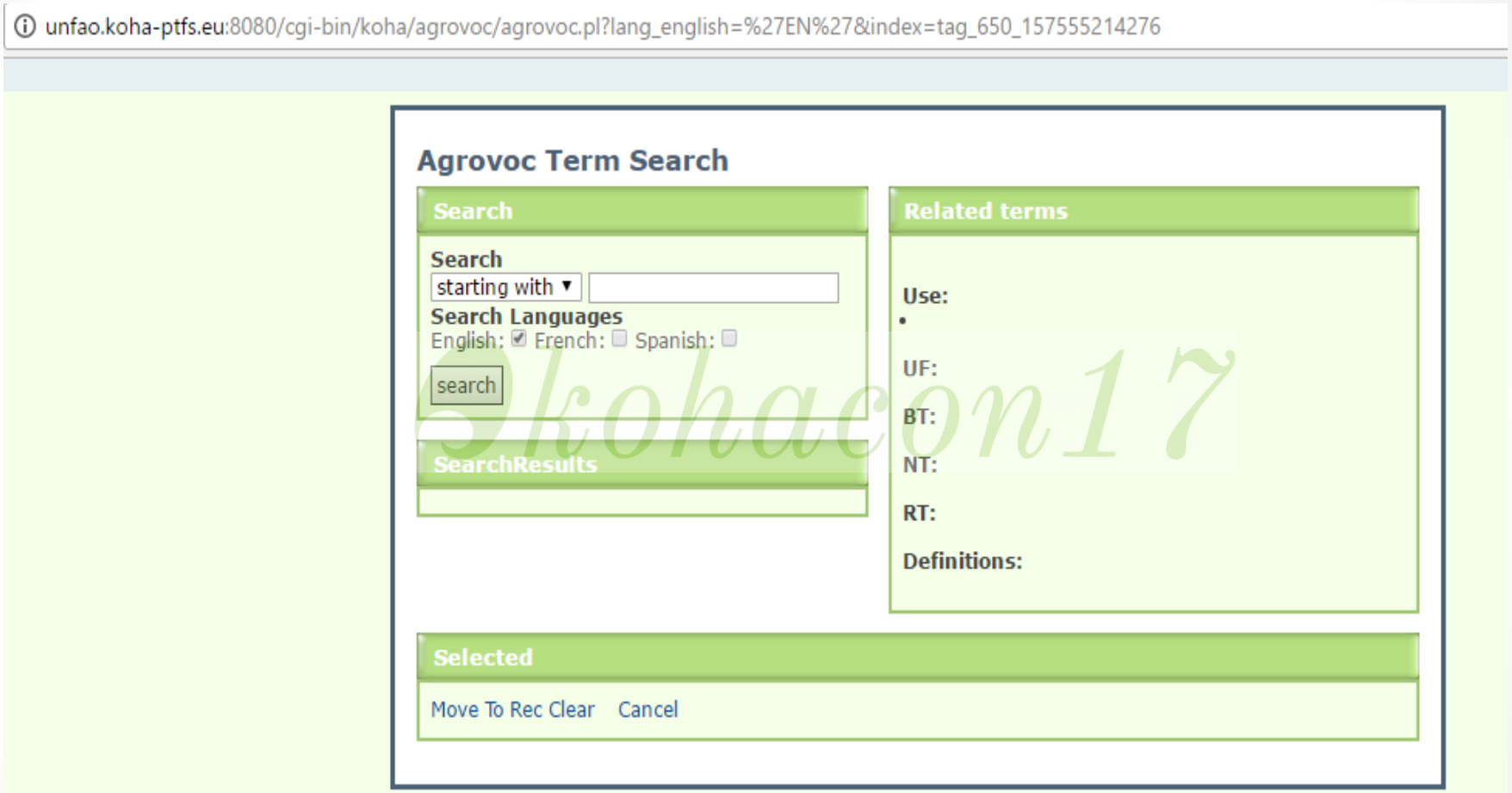

0
2
3
5
6
7
8
9
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term
agrovoc
a Topical term or geographic name as entry element
REFRIGERATION
9 9 (RLIN)
6485
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term
agrovoc
Agrovoc Search
a Topical term or geographic name as entry element
REFRIGERATION INDUSTRY
9 9 (RLIN)
28423
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term
agrovocf


unfao.koha-ptfs.eu:8080/cgi-bin/koha/agrovoc/agrovoc.pl?lang_english=%27EN%27&index=tag_650_157555214276
Agrovoc Term Search
Search
Search
starting with
Search Languages
English: French: Spanish:
search
SearchResults
Related terms
Use:
UF:
BT:
NT:
RT:
Definitions:
Selected
Move To Rec Clear Cancel
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Agrovoc Term Search

Search

Search

starting with ▾ rice

Search Languages

English: ☑ French: ☐ Spanish: ☐

search

SearchResults

- rice bean select
- rice moth select
- rice weevil select
- ricefield aquaculture select
- Rice ragged stunt virus select
- rice straw select
- rice cake select
- rice husks select
- rice hulls select
- rice flour select
- rice polishings select
- rice value added product select
- rice (plant) select
- Rice tungro virus select
- Rice tungro bacilliform virus select
- Rice tungro spherical virus select
- Rice yellow mottle sobemovirus select
- Rice yellow mottle virus select
- rice fields select
- rice soil select
- rice select

Related terms

Use:

•

UF:

BT:

NT:

RT:

Definitions:

kohacon17

Selected

Move To Rec Clear Cancel

Agrovoc Term Search

Search

Search

starting with ▾ rice

Search Languages

English: ☑ French: ☐ Spanish: ☐

search

SearchResults

- rice bean select
- rice moth select
- rice weevil select
- ricefield aquaculture select
- Rice ragged stunt virus select
- rice straw select
- rice cake select
- rice husks select
- rice hulls select
- rice flour select
- rice polishings select
- rice value added product select
- rice (plant) select
- Rice tungro virus select
- Rice tungro bacilliform virus select
- Rice tungro spherical virus select
- Rice yellow mottle sobemovirus select
- Rice yellow mottle virus select
- rice fields select
- rice soil select
- rice select

Related terms

Use:

UF:

BT:

NT:

RT:

Definitions:

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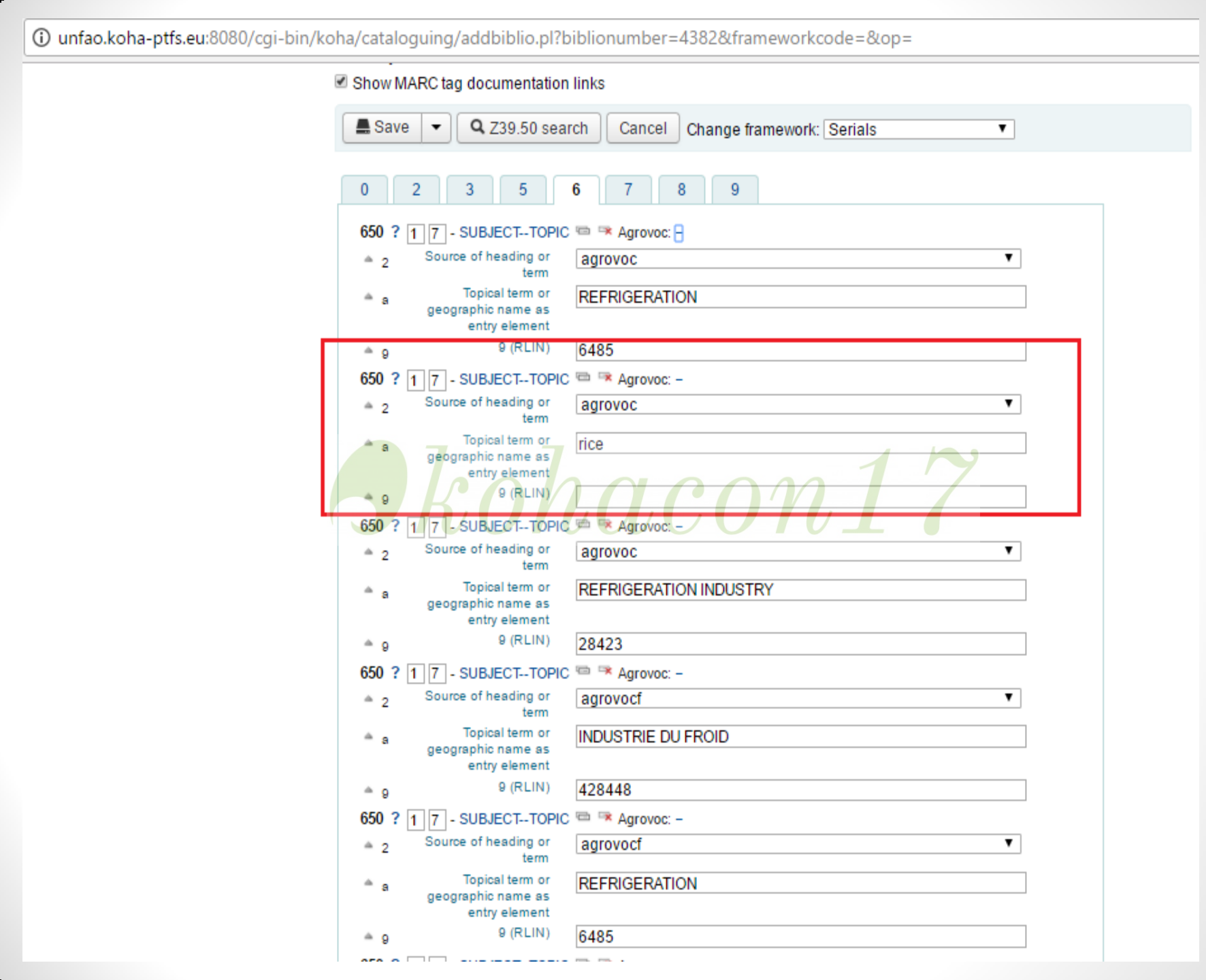
Selected

- rice: 6599: (EN) delete

Move To Rec Clear Cancel


unfao.koha-ptfs.eu:8080/cgi-bin/koha/cataloguing/addbiblio.pl?biblionumber=4382&frameworkcode=&op=
Show MARC tag documentation links
Save
Z39.50 search
Cancel
Change framework: Serials
0 2 3 5 6 7 8 9
650 ? 1 7 - SUBJECT--TOPIC Agrovoc:
2 Source of heading or term agrovoc
a Topical term or geographic name as entry element REFRIGERATION
9 9 (RLIN) 6485
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term agrovoc
a Topical term or geographic name as entry element rice
9 9 (RLIN)
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term agrovoc
a Topical term or geographic name as entry element REFRIGERATION INDUSTRY
9 9 (RLIN) 28423
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term agrovocf
a Topical term or geographic name as entry element INDUSTRIE DU FROID
9 9 (RLIN) 428448
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term agrovocf
a Topical term or geographic name as entry element REFRIGERATION
9 9 (RLIN) 6485
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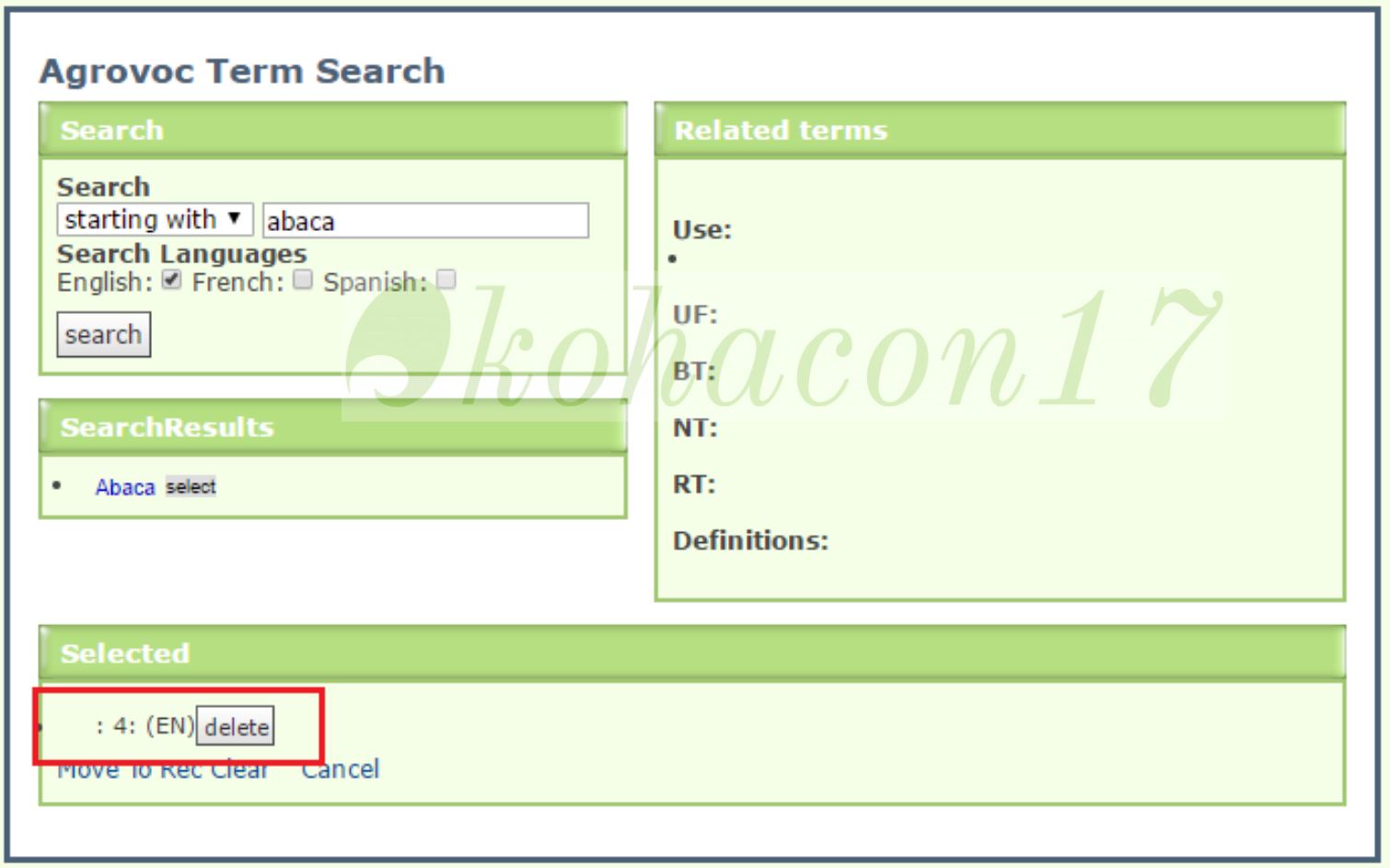
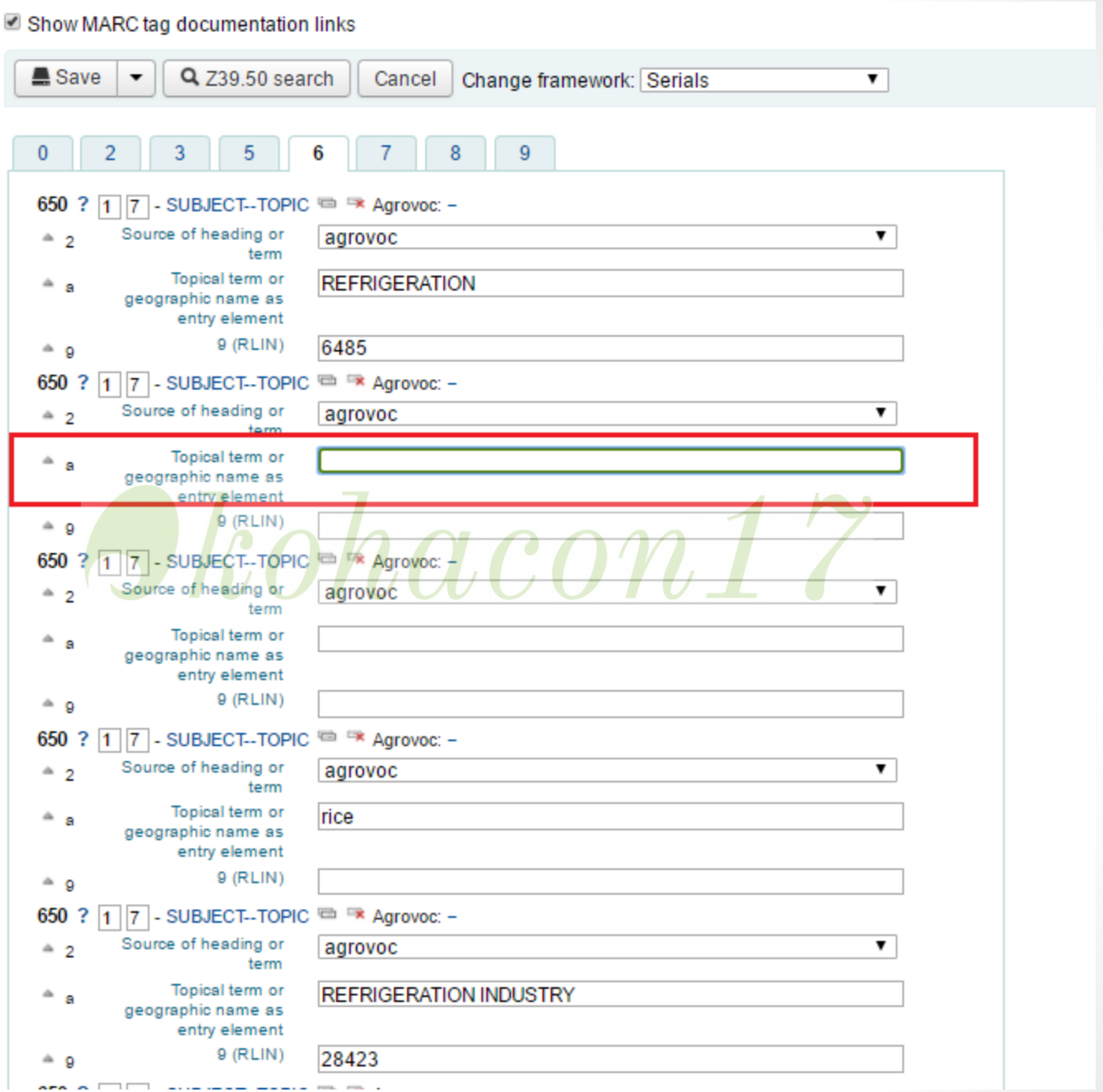

Agrovoc Term Search
Search
Search
starting with
abaca
Search Languages
English: French: Spanish:
search
SearchResults
Abaca select
Related terms
Use:
UF:
BT:
NT:
RT:
Definitions:
Selected
: 4: (EN) delete
Move to Rec Clear
Cancel


Show MARC tag documentation links
Save
Z39.50 search
Cancel
Change framework: Serials
0 2 3 5 6 7 8 9
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term agrovoc
a Topical term or geographic name as entry element REFRIGERATION
9 9 (RLIN) 6485
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term agrovoc
a Topical term or geographic name as entry element
9 9 (RLIN)
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term agrovoc
a Topical term or geographic name as entry element
9 9 (RLIN)
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term agrovoc
a Topical term or geographic name as entry element rice
9 9 (RLIN)
650 ? 1 7 - SUBJECT--TOPIC Agrovoc: –
2 Source of heading or term agrovoc
a Topical term or geographic name as entry element REFRIGERATION INDUSTRY
9 9 (RLIN) 28423

- AGROVOC can be accessed in various ways:
- Online Search & browse (LOD)
- Download Core (available in RDF and NT format)
- Download LOD (available in NT and NQ format)
- Web Services (LOD)
- SPARQL endpoint (LOD)

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- AGROVOC is available in the following formats:
- SKOS RDF/XML (English only)
- MySQL (which is used for the AIMS AGROVOC search interface)
- Protégé DB (used internally by VocBench 1.3)
- OWL (the internal model used by VocBench 1.3)
- ISO2709 (used by WebAgris and other CS-ISIS systems

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- Among the various ways and formats available, the following were explored:

- AGROVOC Core in RDF and NT format
- AGROVOC LOD in NT and NQ format
- A search on the SPARQL endpoint
- A search on the AGROVOC's web interface
- SKOS RDF/XML (English only)
- MySQL
- Protégé DB

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- The AGROVOC Core in RDF and NT formats as well as the AGROVOC LOD in NT and NQ formats was inspected but due to the file not easily opened by regular text editor and Notepad++ (a powerful software used to review the text file of records and use RegEx (regular expression) search and replace to prepare the data for data migration), it was shelved.

- SKOS RDF/XML was not considered because of its exclusivity to English terms. But the pattern was taken into account.

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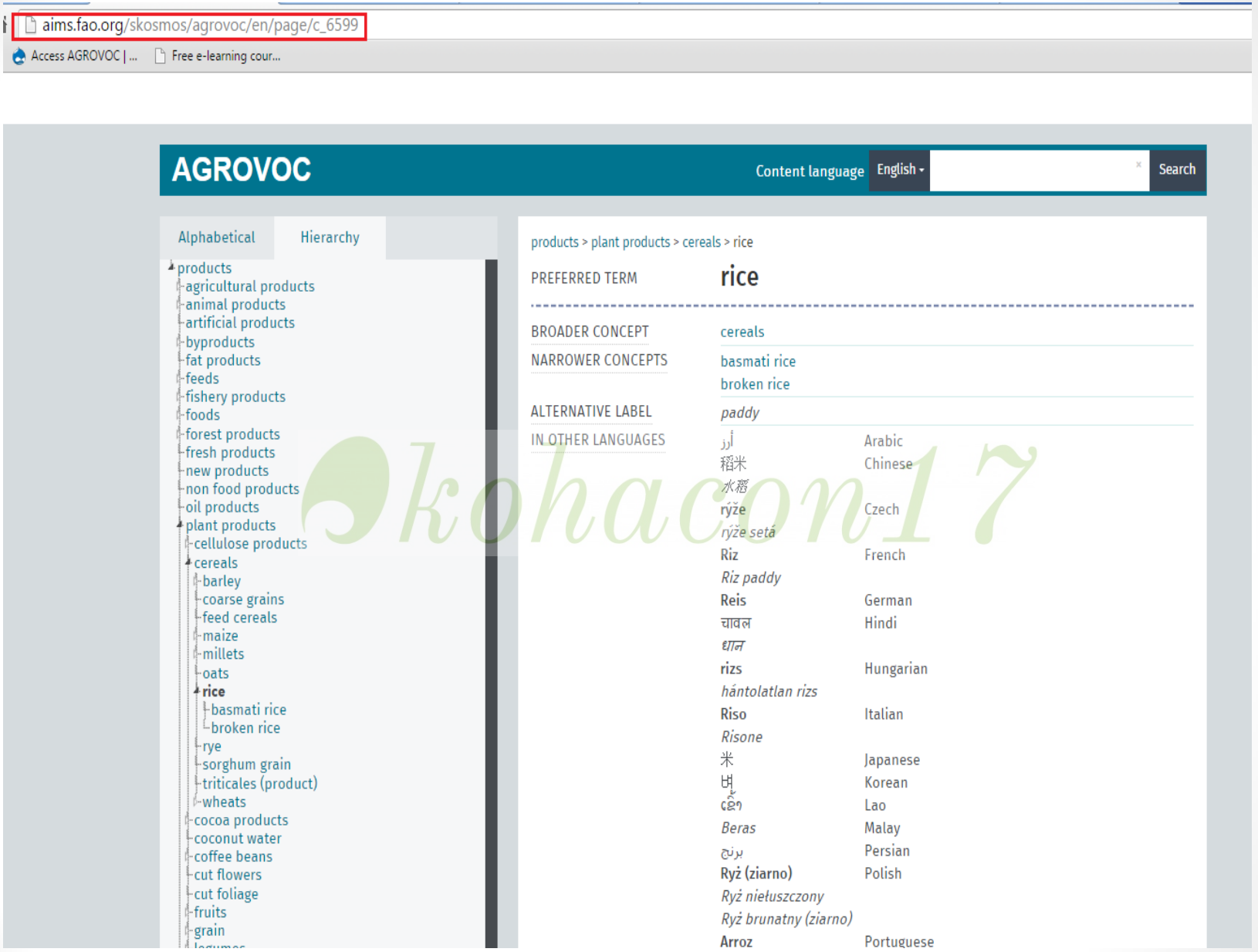
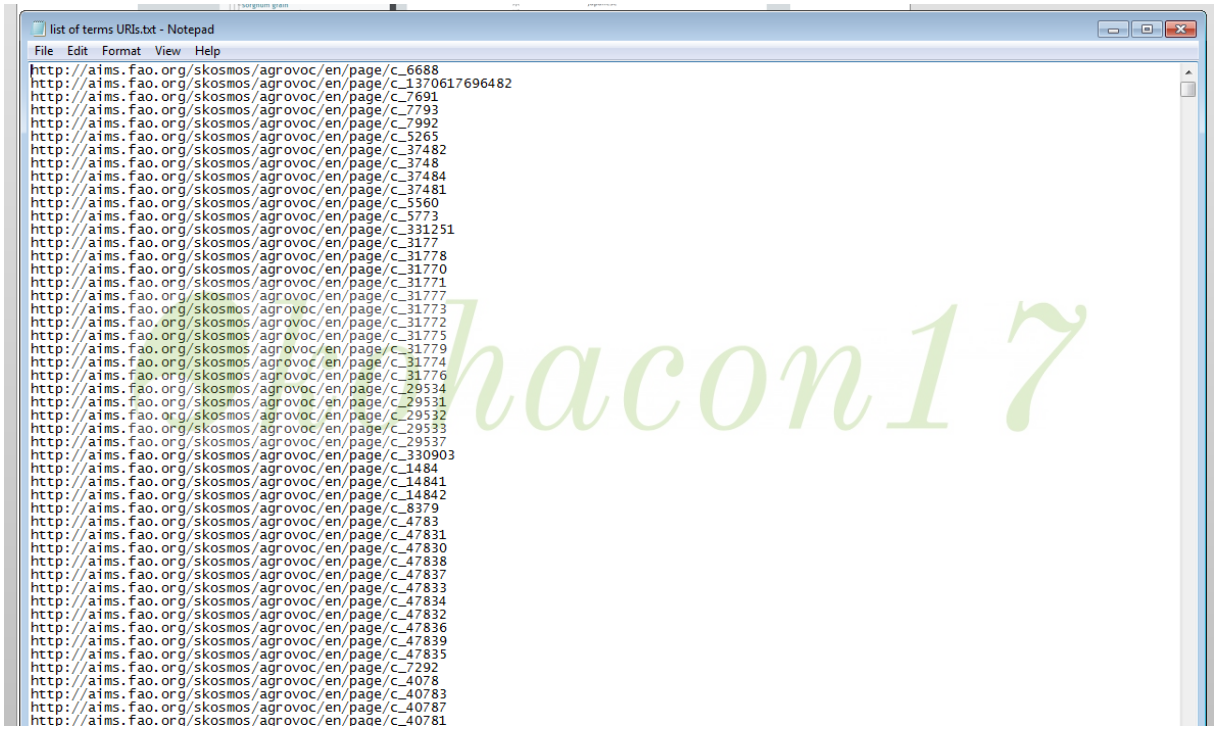
Bringing the Agrovoc terms into MARC format

1	s	p	o
2	<http://aims.fao.org/aos/agrovoc/c_6688>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
3	<http://aims.fao.org/aos/agrovoc/c_1370617696482>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
4	<http://aims.fao.org/aos/agrovoc/c_7691>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
5	<http://aims.fao.org/aos/agrovoc/c_7793>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
6	<http://aims.fao.org/aos/agrovoc/c_7992>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
7	<http://aims.fao.org/aos/agrovoc/c_5265>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
8	<http://aims.fao.org/aos/agrovoc/c_37482>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
9	<http://aims.fao.org/aos/agrovoc/c_3748>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
10	<http://aims.fao.org/aos/agrovoc/c_37484>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
11	<http://aims.fao.org/aos/agrovoc/c_37481>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
12	<http://aims.fao.org/aos/agrovoc/c_5560>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
13	<http://aims.fao.org/aos/agrovoc/c_5773>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
14	<http://aims.fao.org/aos/agrovoc/c_331251>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
15	<http://aims.fao.org/aos/agrovoc/c_3177>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
16	<http://aims.fao.org/aos/agrovoc/c_31778>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
17	<http://aims.fao.org/aos/agrovoc/c_31770>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
18	<http://aims.fao.org/aos/agrovoc/c_31771>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>
19	<http://aims.fao.org/aos/agrovoc/c_31777>	<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>	<http://www.w3.org/2004/02/skos/core#Concept>


aims.fao.org/skosmos/agrovoc/en/page/c_6599
Access AGROVOC | ...
Free e-learning cour...
AGROVOC
Content language
English
Search
Alphabetical
Hierarchy
products
agricultural products
animal products
artificial products
byproducts
fat products
feeds
fishery products
foods
forest products
fresh products
new products
non food products
oil products
plant products
cellulose products
cereals
barley
coarse grains
feed cereals
maize
millets
oats
rice
basmati rice
broken rice
rye
sorghum grain
triticales (product)
wheats
cocoa products
coconut water
coffee beans
cut flowers
cut foliage
fruits
grain
products > plant products > cereals > rice
PREFERRED TERM
rice
BROADER CONCEPT
cereals
NARROWER CONCEPTS
basmati rice
broken rice
ALTERNATIVE LABEL
paddy
IN OTHER LANGUAGES
أرز Arabic
稻米 Chinese
水稻
rýže Czech
rýže setá
Riz French
Riz paddy
Reis German
चावल Hindi
धान
rizs Hungarian
hántolatlan rizs
Riso Italian
Risone
米 Japanese
벼 Korean
ເຂົ້າ Lao
Beras Malay
برنج Persian
Ryż (ziarno) Polish
Ryż niełuszczony
Ryż brunatny (ziarno)
Arroz Portuguese


list of terms URIs.txt - Notepad
File Edit Format View Help
http://aims.fao.org/skosmos/agrovoc/en/page/c_6688
http://aims.fao.org/skosmos/agrovoc/en/page/c_1370617696482
http://aims.fao.org/skosmos/agrovoc/en/page/c_7691
http://aims.fao.org/skosmos/agrovoc/en/page/c_7793
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http://aims.fao.org/skosmos/agrovoc/en/page/c_37482
http://aims.fao.org/skosmos/agrovoc/en/page/c_3748
http://aims.fao.org/skosmos/agrovoc/en/page/c_37484
http://aims.fao.org/skosmos/agrovoc/en/page/c_37481
http://aims.fao.org/skosmos/agrovoc/en/page/c_5560
http://aims.fao.org/skosmos/agrovoc/en/page/c_5773
http://aims.fao.org/skosmos/agrovoc/en/page/c_331251
http://aims.fao.org/skosmos/agrovoc/en/page/c_3177
http://aims.fao.org/skosmos/agrovoc/en/page/c_31778
http://aims.fao.org/skosmos/agrovoc/en/page/c_31770
http://aims.fao.org/skosmos/agrovoc/en/page/c_31771
http://aims.fao.org/skosmos/agrovoc/en/page/c_31777
http://aims.fao.org/skosmos/agrovoc/en/page/c_31773
http://aims.fao.org/skosmos/agrovoc/en/page/c_31772
http://aims.fao.org/skosmos/agrovoc/en/page/c_31775
http://aims.fao.org/skosmos/agrovoc/en/page/c_31779
http://aims.fao.org/skosmos/agrovoc/en/page/c_31774
http://aims.fao.org/skosmos/agrovoc/en/page/c_31776
http://aims.fao.org/skosmos/agrovoc/en/page/c_29534
http://aims.fao.org/skosmos/agrovoc/en/page/c_29531
http://aims.fao.org/skosmos/agrovoc/en/page/c_29532
http://aims.fao.org/skosmos/agrovoc/en/page/c_29533
http://aims.fao.org/skosmos/agrovoc/en/page/c_29537
http://aims.fao.org/skosmos/agrovoc/en/page/c_330903
http://aims.fao.org/skosmos/agrovoc/en/page/c_1484
http://aims.fao.org/skosmos/agrovoc/en/page/c_14841
http://aims.fao.org/skosmos/agrovoc/en/page/c_14842
http://aims.fao.org/skosmos/agrovoc/en/page/c_8379
http://aims.fao.org/skosmos/agrovoc/en/page/c_4783
http://aims.fao.org/skosmos/agrovoc/en/page/c_47831
http://aims.fao.org/skosmos/agrovoc/en/page/c_47830
http://aims.fao.org/skosmos/agrovoc/en/page/c_47838
http://aims.fao.org/skosmos/agrovoc/en/page/c_47837
http://aims.fao.org/skosmos/agrovoc/en/page/c_47833
http://aims.fao.org/skosmos/agrovoc/en/page/c_47834
http://aims.fao.org/skosmos/agrovoc/en/page/c_47832
http://aims.fao.org/skosmos/agrovoc/en/page/c_47836
http://aims.fao.org/skosmos/agrovoc/en/page/c_47839
http://aims.fao.org/skosmos/agrovoc/en/page/c_47835
http://aims.fao.org/skosmos/agrovoc/en/page/c_7292
http://aims.fao.org/skosmos/agrovoc/en/page/c_4078
http://aims.fao.org/skosmos/agrovoc/en/page/c_40783
http://aims.fao.org/skosmos/agrovoc/en/page/c_40787
http://aims.fao.org/skosmos/agrovoc/en/page/c_40781

- Download the list :P

wget –i filenameofthelist.txt

Combine the downloaded files:

cat * > merged-filename

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Some Regular Expressions Used

Regular Expression (Find)	Regular Expression (Replace)
(<!DOCTYPE html>)(.*?)(<table class=" table search-results-property-table">?)	\r\n<html>\r\n\3
(RDF/XML)(.*?)(</table>)(.*?)(</html>?)	\1\2\3\5
()\n(.*?)(">)(.*?)(?)	\1\4\5
(<td class="preflabel-desc">)(PREFERRED TERM)	<td class="preflabel-desc" />\2
<td>	<td/>
(<tr class="preflabel-container"><td class="preflabel-desc" />)PREFERRED TERM(.*?)("prefLabel">?)(.*?)(?).*?"preflabel-spacer"?(.*?)(</tr>?)	<prefterm>\4</prefterm>

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Some Regular Expressions Used (cont.)

NARROWER CONCEPTS</td><td>	<narrow class="versal property-click" title="Narrower concepts.">NARROWER CONCEPTS</narrow></td><td>
ALTERNATIVE LABEL	<altlabel class="versal property-click" title="Alternative terms for the concept.">ALTERNATIVE LABEL</altlabel>
IN OTHER LANGUAGES	<otherlang class="versal property-click" title="Other language" >IN OTHER LANGUAGES</otherlang>

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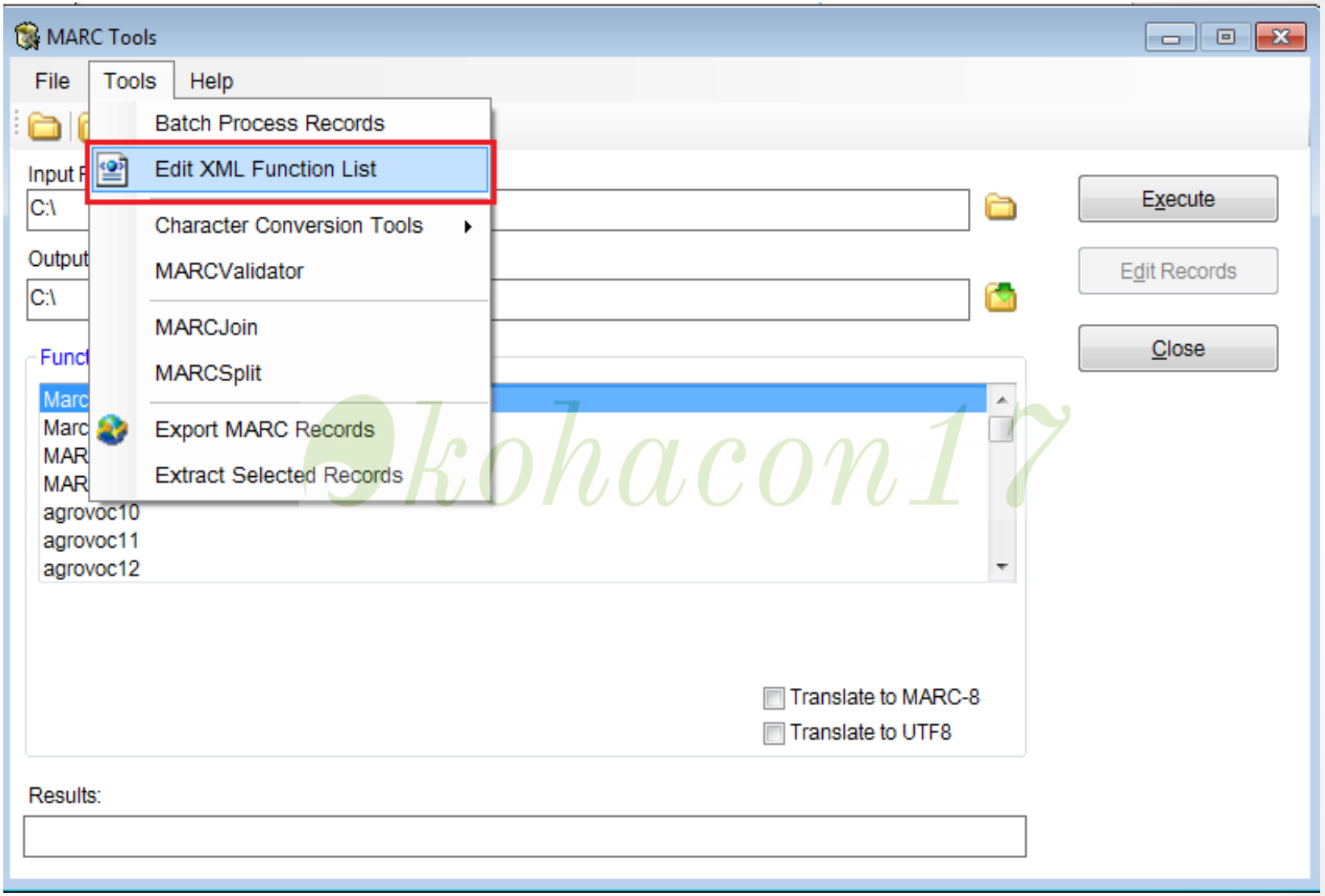
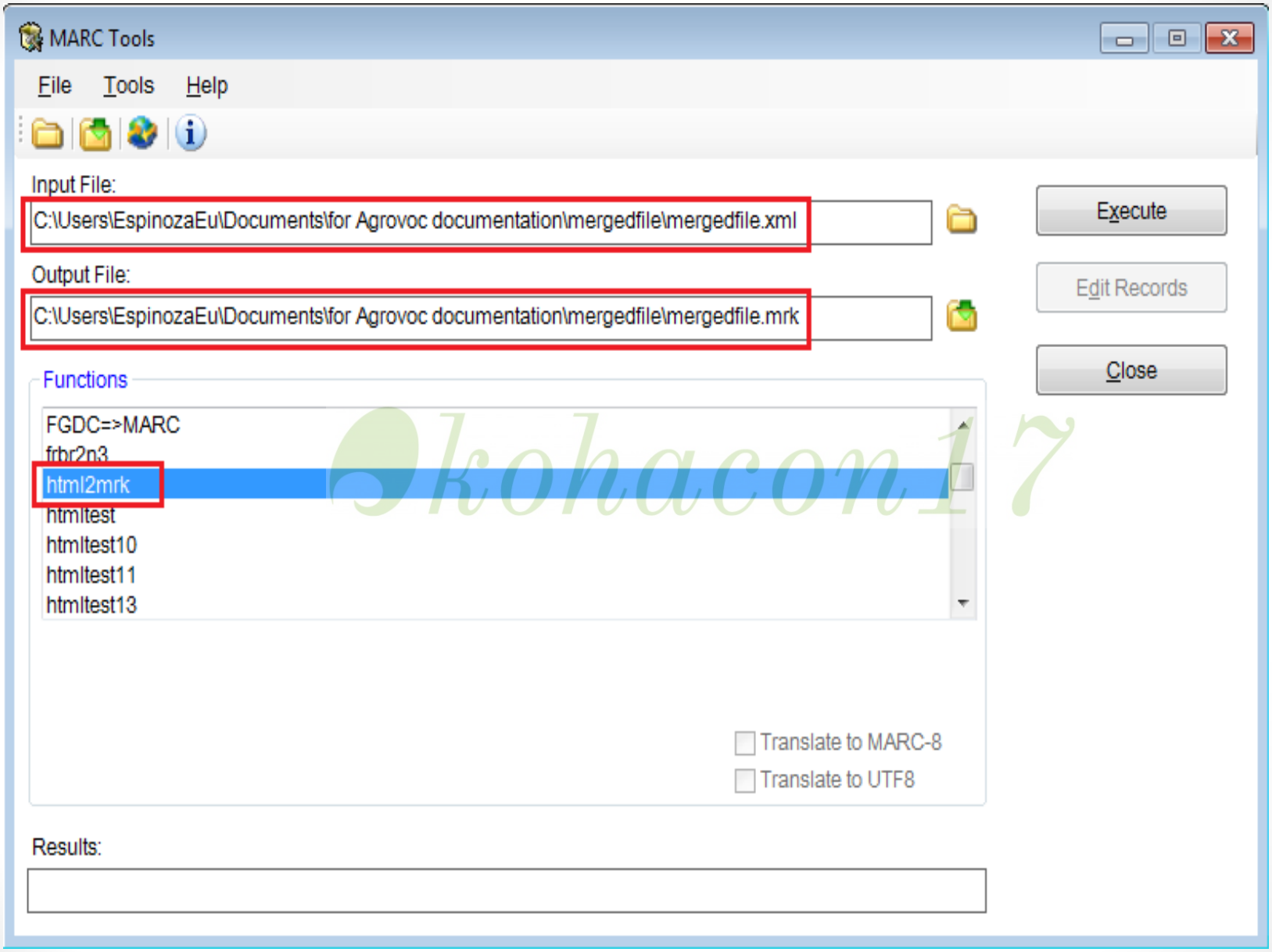
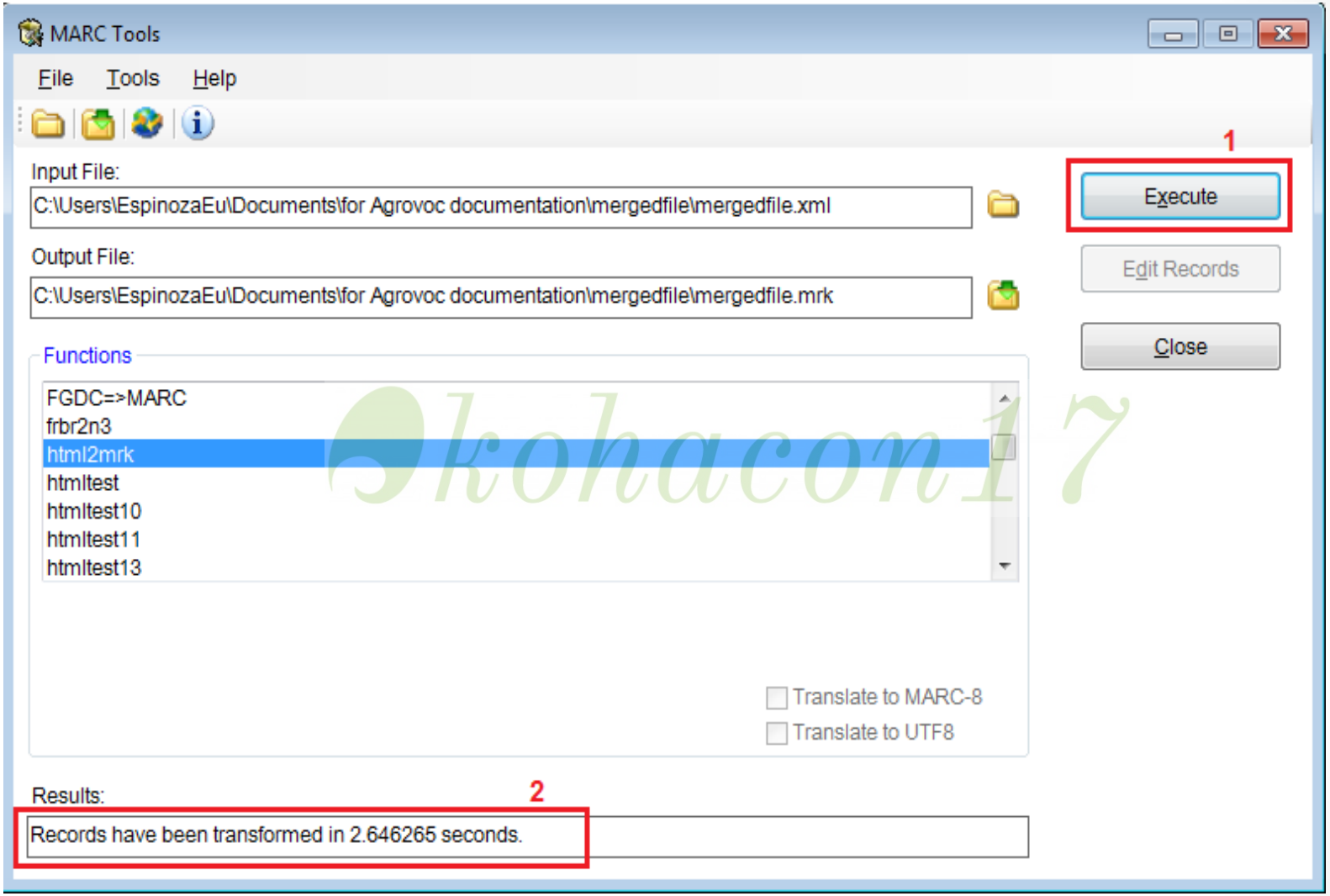
MarcEdit By Terry Reese
File
Tools
Add-ins
Plug-ins
Help
MARC Tools
Delimited Text Translator
MarcEditor
Harvest OAI Records
MARCNext
MARC SQL Explorer
Z39.50/SRU Client


MARC Tools
File
Tools
Help
Batch Process Records
Edit XML Function List
Character Conversion Tools
MARCValidator
MARCJoin
MARCSplit
Export MARC Records
Extract Selected Records
Input
C:\
Output
C:\
Execute
Edit Records
Close
agrovoc10
agrovoc11
agrovoc12
Translate to MARC-8
Translate to UTF8
Results:


MARC Tools
File
Tools
Help
Input File:
C:\Users\EspinozaEu\Documents\for Agrovoc documentation\mergedfile\mergedfile.xml
Output File:
C:\Users\EspinozaEu\Documents\for Agrovoc documentation\mergedfile\mergedfile.mrk
Execute
Edit Records
Close
Functions
FGDC=>MARC
frbr2n3
html2mrk
htmltest
htmltest10
htmltest11
htmltest13
Translate to MARC-8
Translate to UTF8
Results:


MARC Tools
File
Tools
Help
Input File:
C:\Users\EspinozaEu\Documents\for Agrovoc documentation\mergedfile\mergedfile.xml
Output File:
C:\Users\EspinozaEu\Documents\for Agrovoc documentation\mergedfile\mergedfile.mrk
Functions
FGDC=>MARC
frbr2n3
html2mrk
htmltest
htmltest10
htmltest11
htmltest13
Translate to MARC-8
Translate to UTF8
1
Execute
Edit Records
Close
Results:
2
Records have been transformed in 2.646265 seconds.

MarcEditor: mergedfile.mrk

File Edit Fonts Reports Tools Koha OCLC WorldCat Plug-ins Help

```
=LDR  00000nam  2200000la 4500
=013  \\$acontrolno$bhttp://aims.fao.org/aos/agrovoc/c_1370617696482
=300  \\$aprefferedterm$bCollaborative Partnership on Sustainable Wildlife Management
=301  \\$aBROADER CONCEPT$binternational cooperation$cc_16378
=303  \\$aaltlabel$bCPW
=305  \\$aBROADER CONCEPT$binternational cooperation$bc_16378
=304  \\$aotherlangterm$bPartenariat de collaboration sur la gestion durable de la faune$cFrench
=304  \\$aotherlangterm$bAsociación de colaboración sobre manejo sostenible de la fauna silvestre$cSpanish

=LDR  00000nam  2200000la 4500
=013  \\$acontrolno$bhttp://aims.fao.org/aos/agrovoc/c_331251
=300  \\$aprefferedterm$bOdontodactylus
=301  \\$aBROADER CONCEPT$bOdontodactylidae$cc_46216
=302  \\$anarrowerterm$bOdontodactylus scyllarus$cc_46217
=305  \\$aHAS TAXONOMIC LEVEL$bgenus
=305  \\$aBROADER CONCEPT$bOdontodactylidae$bc_46216
=304  \\$aotherlangterm$bOdontodactylus$cArabic
=304  \\$aotherlangterm$bOdontodactylus$cChinese
=304  \\$aotherlangterm$bOdontodactylus$cCzech
=304  \\$aotherlangterm$bOdontodactylus$cFrench
=304  \\$aotherlangterm$bOdontodactylus$cGerman
=304  \\$aotherlangterm$bOdontodactylus$cHungarian
=304  \\$aotherlangterm$bOdontodactylus$cItalian
=304  \\$aotherlangterm$bOdontodactylus$cJapanese
=304  \\$aotherlangterm$bOdontodactylus$cPersian
=304  \\$aotherlangterm$bOdontodactylus$cPolish
=304  \\$aotherlangterm$bOdontodactylus$cPortuguese
=304  \\$aotherlangterm$bOdontodactylus$cSlovak
=304  \\$aotherlangterm$bOdontodactylus$cSpanish
=304  \\$aotherlangterm$bOdontodactylus$cThai

=LDR  00000nam  2200000la 4500
=013  \\$acontrolno$bhttp://aims.fao.org/aos/agrovoc/c_3748
=300  \\$aprefferedterm$bHymenocallis
=301  \\$aBROADER CONCEPT$bAmaryllidaceae$cc_330
=305  \\$aHAS TAXONOMIC LEVEL$bgenus
=305  \\$aIS USED AS$bornamental bulbs
=305  \\$aBROADER CONCEPT$bAmaryllidaceae$bc_330
=304  \\$aotherlangterm$bهيمينوكاليس$cArabic
=304  \\$aotherlangterm$b水鬼蕉属$cChinese
```

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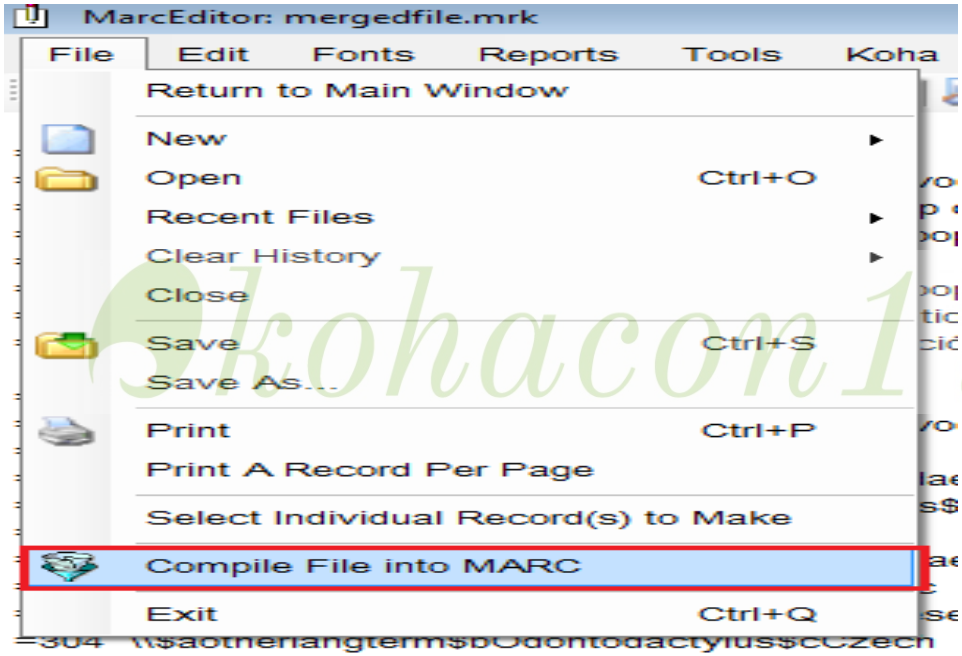
MarcEditor: mergedfile.mrk
File
Edit
Fonts
Reports
Tools
Koha
Return to Main Window
New
Open Ctrl+O
Recent Files
Clear History
Close
Save Ctrl+S
Save As...
Print Ctrl+P
Print A Record Per Page
Select Individual Record(s) to Make
Compile File into MARC
Exit Ctrl+Q

Notes on the MARC fields used

AGROVOC	MARC fields/subfields pattern	Notes
Preferred Term	150$a	
Broader Term	550$abroaderterm$wg	$w=g e.g. =550 \\$wg$aanimal meals
Narrower term	550$anarrowerterm$wh	$w=h e.g. =550 \\$wh$aCostae
Notes	667$a	Definition and all other labels here (e.g. IS USED AS, HAS TAXONOMIC LEVEL). Example: =667 \\$aIS USED AS: timber trees
Other Language Term	450$$wr$iotherlangterm$iOther Language Terms (the Language)$atheterm	Example: =450 \\$wr$iOther Language Terms (Arabic)$aشوح
Control No.	001	
Alternative Label	450 \0$athealternativelabelterm	=450 \0$apaddy

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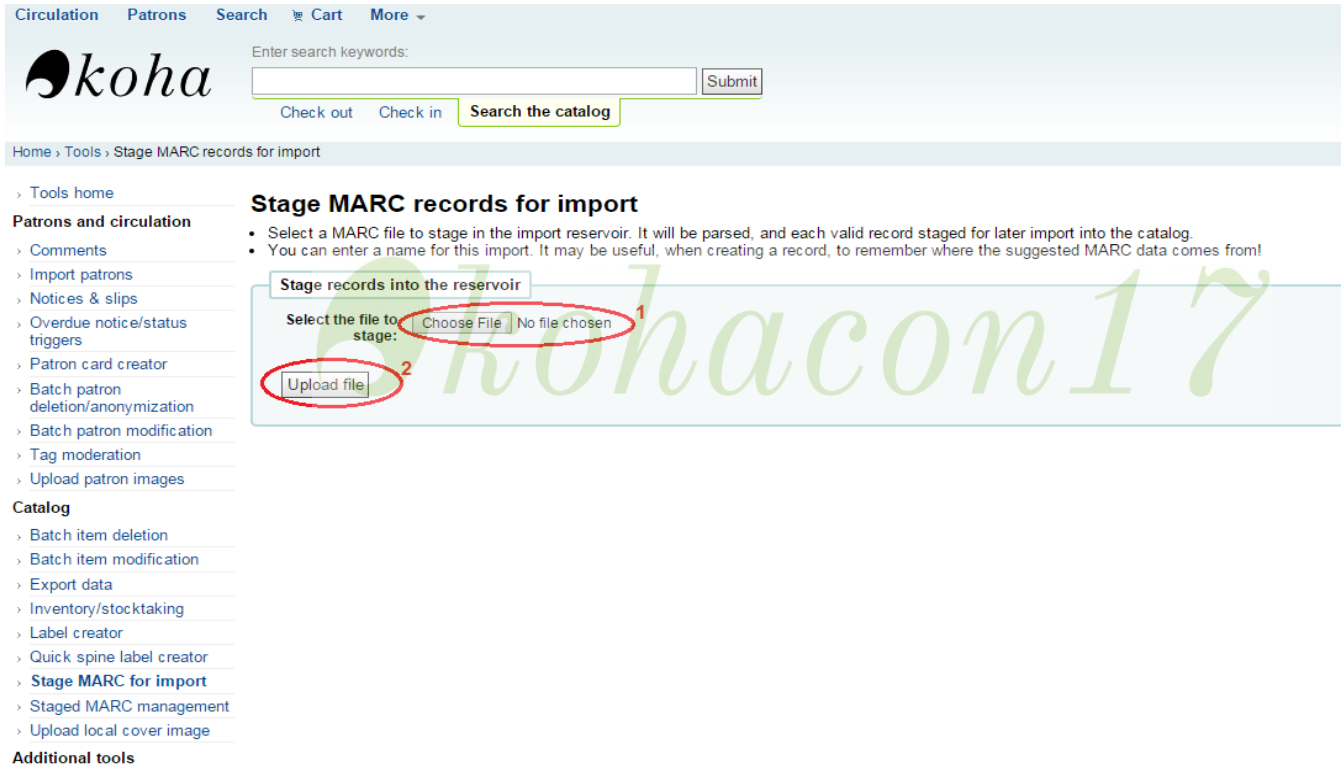
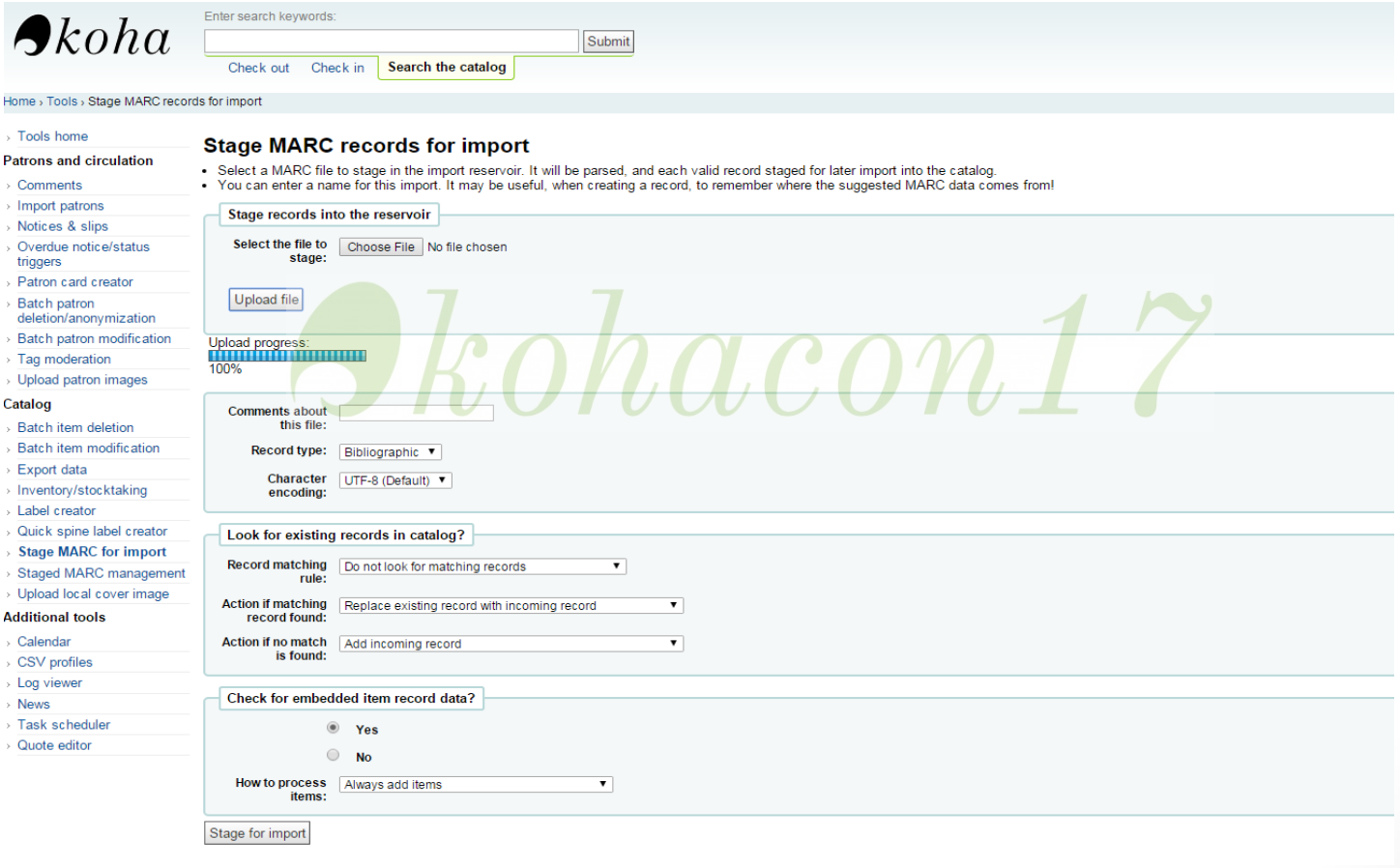

Circulation
Patrons
Search
Cart
More
koha
Enter search keywords:
Submit
Check out
Check in
Search the catalog
Home › Tools › Stage MARC records for import
› Tools home
Patrons and circulation
› Comments
› Import patrons
› Notices & slips
› Overdue notice/status triggers
› Patron card creator
› Batch patron deletion/anonymization
› Batch patron modification
› Tag moderation
› Upload patron images
Catalog
› Batch item deletion
› Batch item modification
› Export data
› Inventory/stocktaking
› Label creator
› Quick spine label creator
› Stage MARC for import
› Staged MARC management
› Upload local cover image
Additional tools
Stage MARC records for import
Select a MARC file to stage in the import reservoir. It will be parsed, and each valid record staged for later import into the catalog.
You can enter a name for this import. It may be useful, when creating a record, to remember where the suggested MARC data comes from!
Stage records into the reservoir
Select the file to stage:
Choose File
No file chosen
1
Upload file
2
Kohacon17


koha
Enter search keywords:
Submit
Check out
Check in
Search the catalog
Home › Tools › Stage MARC records for import
Tools home
Patrons and circulation
Comments
Import patrons
Notices & slips
Overdue notice/status triggers
Patron card creator
Batch patron deletion/anonymization
Batch patron modification
Tag moderation
Upload patron images
Catalog
Batch item deletion
Batch item modification
Export data
Inventory/stocktaking
Label creator
Quick spine label creator
Stage MARC for import
Staged MARC management
Upload local cover image
Additional tools
Calendar
CSV profiles
Log viewer
News
Task scheduler
Quote editor
Stage MARC records for import
Select a MARC file to stage in the import reservoir. It will be parsed, and each valid record staged for later import into the catalog.
You can enter a name for this import. It may be useful, when creating a record, to remember where the suggested MARC data comes from!
Stage records into the reservoir
Select the file to stage:
Choose File
No file chosen
Upload file
Upload progress:
100%
Comments about this file:
Record type:
Bibliographic
Character encoding:
UTF-8 (Default)
Look for existing records in catalog?
Record matching rule:
Do not look for matching records
Action if matching record found:
Replace existing record with incoming record
Action if no match is found:
Add incoming record
Check for embedded item record data?
Yes
No
How to process items:
Always add items
Stage for import
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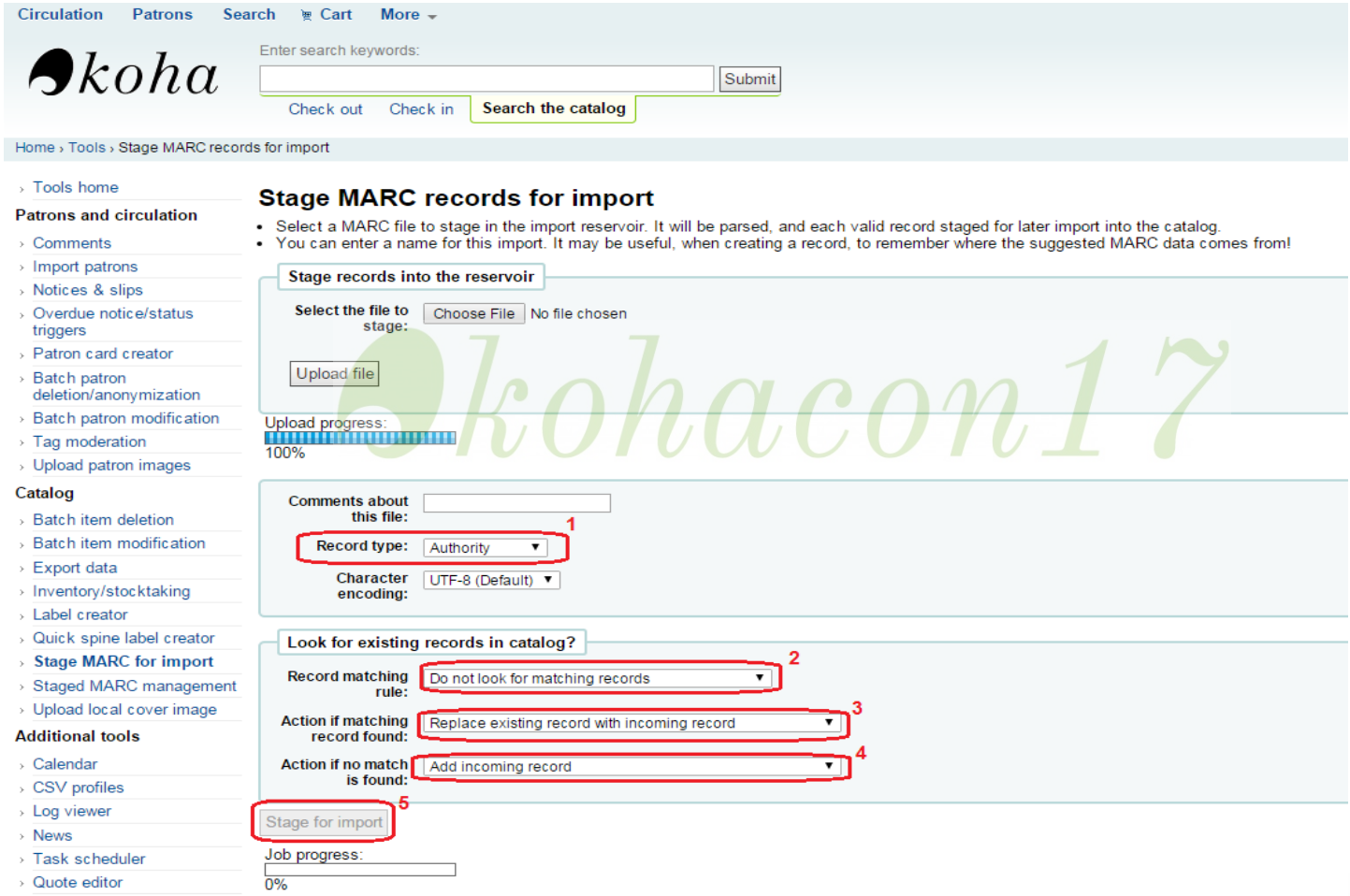
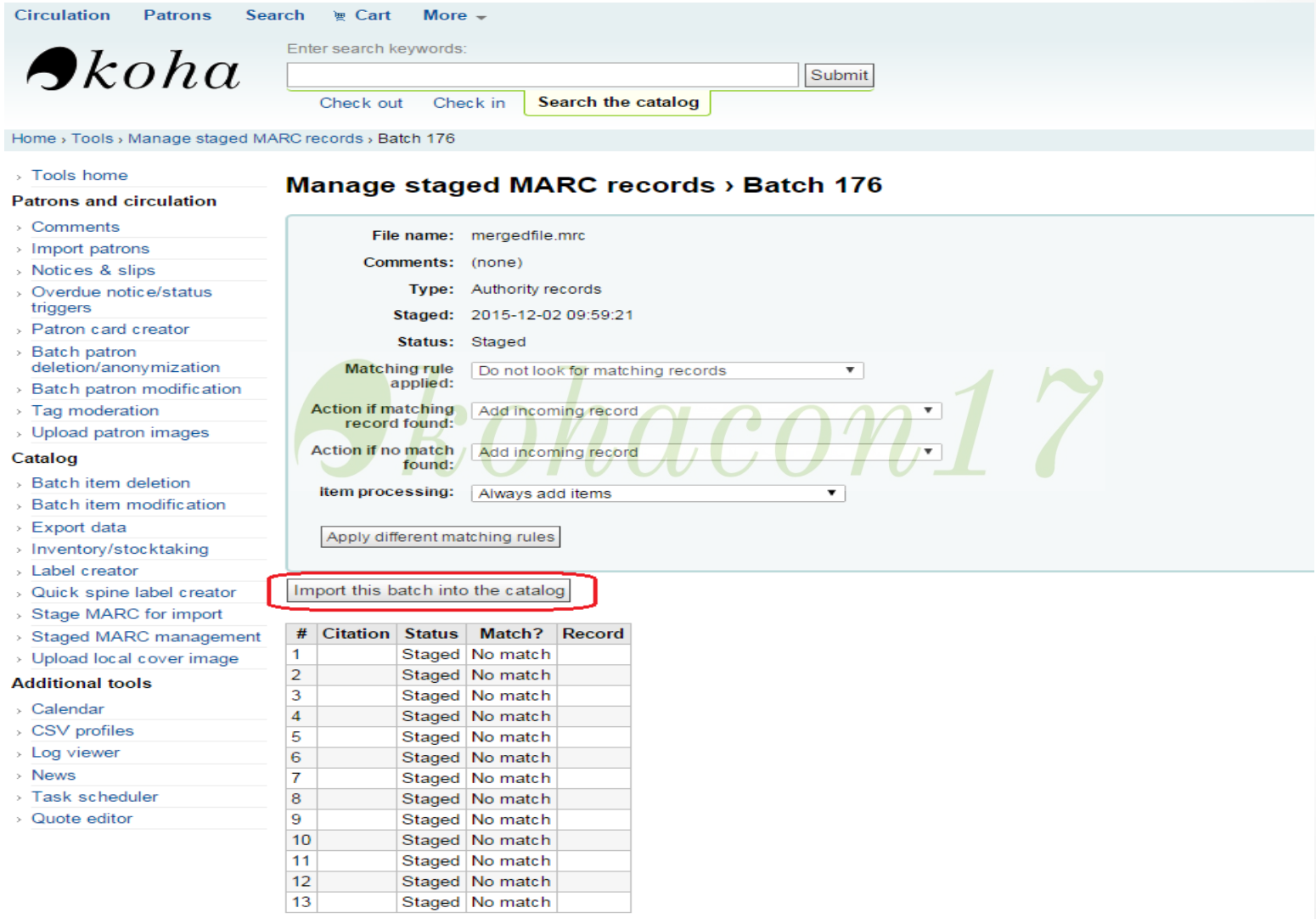

Circulation
Patrons
Search
Cart
More
koha
Enter search keywords:
Submit
Check out
Check in
Search the catalog
Home › Tools › Stage MARC records for import
Tools home
Patrons and circulation
Comments
Import patrons
Notices & slips
Overdue notice/status triggers
Patron card creator
Batch patron deletion/anonymization
Batch patron modification
Tag moderation
Upload patron images
Catalog
Batch item deletion
Batch item modification
Export data
Inventory/stocktaking
Label creator
Quick spine label creator
Stage MARC for import
Staged MARC management
Upload local cover image
Additional tools
Calendar
CSV profiles
Log viewer
News
Task scheduler
Quote editor
Stage MARC records for import
Select a MARC file to stage in the import reservoir. It will be parsed, and each valid record staged for later import into the catalog.
You can enter a name for this import. It may be useful, when creating a record, to remember where the suggested MARC data comes from!
Stage records into the reservoir
Select the file to stage:
Choose File
No file chosen
Upload file
Upload progress:
100%
Comments about this file:
Record type:
Authority
Character encoding:
UTF-8 (Default)
1
Look for existing records in catalog?
Record matching rule:
Do not look for matching records
2
Action if matching record found:
Replace existing record with incoming record
3
Action if no match is found:
Add incoming record
4
Stage for import
5
Job progress:
0%


Circulation
Patrons
Search
Cart
More
koha
Enter search keywords:
Submit
Check out
Check in
Search the catalog
Home › Tools › Manage staged MARC records › Batch 176
Tools home
Patrons and circulation
Comments
Import patrons
Notices & slips
Overdue notice/status triggers
Patron card creator
Batch patron deletion/anonymization
Batch patron modification
Tag moderation
Upload patron images
Catalog
Batch item deletion
Batch item modification
Export data
Inventory/stocktaking
Label creator
Quick spine label creator
Stage MARC for import
Staged MARC management
Upload local cover image
Additional tools
Calendar
CSV profiles
Log viewer
News
Task scheduler
Quote editor
Manage staged MARC records › Batch 176
File name: mergedfile.mrc
Comments: (none)
Type: Authority records
Staged: 2015-12-02 09:59:21
Status: Staged
Matching rule applied: Do not look for matching records
Action if matching record found: Add incoming record
Action if no match found: Add incoming record
Item processing: Always add items
Apply different matching rules
Import this batch into the catalog
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Citation Status Match? Record
1 Staged No match
2 Staged No match
3 Staged No match
4 Staged No match
5 Staged No match
6 Staged No match
7 Staged No match
8 Staged No match
9 Staged No match
10 Staged No match
11 Staged No match
12 Staged No match
13 Staged No match

Authority search results

Results 1 to 20 of 257

Summary		Used in	
19th Session of the International Rice Commission eng	Details	0 records(s)	Edit | Delete
aerobic rice *used for/see from:* riz aérobic *used for/see from:* arroz aeróbico *see also:* Oryza (Broader heading)	Details	0 records(s)	Edit | Delete
Africa Rice Center, Cotonou (Benin) eng	Details	0 records(s)	Edit | Delete
All-Russian Rice Research Institute, Krasnodar (Russian Federation) eng	Details	1 records(s)	Edit
Asia Rice Foundation, Bangkok (Thailand) eng	Details	0 records(s)	Edit | Delete
Asian Regional Rice-Fish Farming Research and Development Workshop eng	Details	0 records(s)	Edit | Delete
Asian Regional Workshop on Sustainable Development of Irrigation and Drainage for Rice Paddy Fields eng	Details	0 records(s)	Edit | Delete
ASSOCIATION OF RICE RESEARCH WORKERS	Details	1 records(s)	Edit
Associazione per la Ricerca e lo Studio sui Sistemi Alimentari e Forestali nelle Regioni Emergenti, Viterbo (Italy) ita	Details	0 records(s)	Edit | Delete
Atti - Istituto Superiore per la Protezione e la Ricerca Ambientale (Italy) ita	Details	1 records(s)	Edit
basmati rice *used for/see from:* rýže basmati *used for/see from:* Basmatireis *used for/see from:* Riso Basmati *used for/see from:* 바스마티쌀 *used for/see from:* Basmati pirinci *see also:* rice (Broader heading)	Details	0 records(s)	Edit | Delete
broken rice *used for/see from:* lámaná rýže *used for/see from:* Bruchreis *used for/see from:* Rotture di riso *used for/see from:* 쇄미 *used for/see from:* kırık pirinç *see also:* rice (Broader heading)	Details	0 records(s)	Edit | Delete
Bulletin - International Rice Research Institute (Tanzania) eng	Details	1	Edit

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		records(s)	Delete
Regional Workshop on the Future of Large Rice-based Irrigation Systems in Southeast Asia eng	Details	0 records(s)	Edit | Delete
rice *used for/see from:* أرز *used for/see from:* 稻米 *used for/see from:* rýže *used for/see from:* Riz *used for/see from:* Reis *used for/see from:* चावल *used for/see from:* rizs *used for/see from:* Riso *used for/see from:* 米 *used for/see from:* 벼 *used for/see from:* ဆန် *used for/see from:* برنج *used for/see from:* Ryż (ziarno) *used for/see from:* Arroz *used for/see from:* рис (зерно) *used for/see from:* ryža *used for/see from:* Arroz *used for/see from:* ข้าว *used for/see from:* pirinç *used for/see from:* paddy *see also:* cereals (Broader heading) *see also:* basmati rice (Narrower heading) *see also:* broken rice (Narrower heading)	Details	5 records(s)	Edit
RICE	Details	738 records(s)	Edit
Rice Blast Workshop eng	Details	0 records(s)	Edit | Delete
rice cake *used for/see from:* 大米饼 *used for/see from:* rýžové výlisky *used for/see from:* Reiskuchen *used for/see from:* धान की खली *used for/see from:* rizspopgácsa *used for/see from:* Panello di riso *used for/see from:* 餅 *used for/see from:* 떡 *used for/see from:* ဆန်ဖာသီးဆန်ကဆန်ထုပ်ဆန် *used for/see from:* كيك برنج *used for/see from:* рисовые лепешки *used for/see from:* ryžové výlisky *used for/see from:* ข้าวเหนียวปิ่น *used for/see from:* pirinc keki	Details	0 records(s)	Edit | Delete

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Maraming salamat!

Email ad: eugenegf@yahoo.com