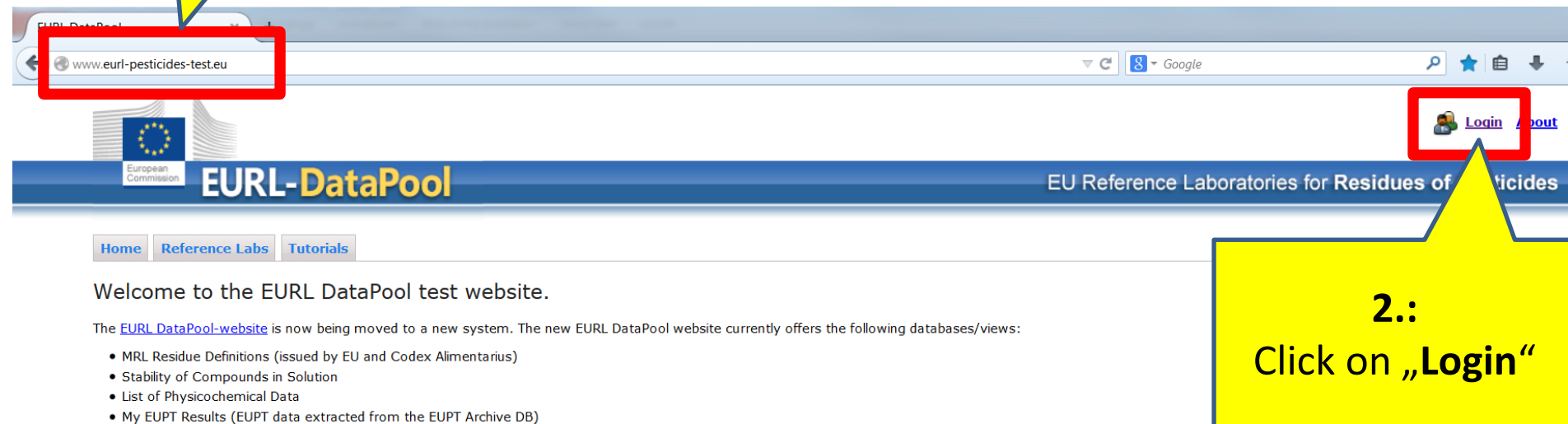


Online Tool for Estimation of Measurement Uncertainty

Screenshots

1.:

Go to „www.eurl-pesticides-test.eu“



The screenshot shows a web browser window with the address bar containing www.eurl-pesticides-test.eu, which is highlighted by a red rectangle. The website header features the European Commission logo, the text "EURL-DataPool", and "EU Reference Laboratories for Residues of Pesticides". A navigation bar includes links for "Home", "Reference Labs", and "Tutorials". The main content area welcomes users to the EURL DataPool test website and provides information about a system move. A list of databases/views is provided, including MRL Residue Definitions, Stability of Compounds in Solution, List of Physicochemical Data, and My EUPT Results. In the top right corner, a "Login" link with a user icon is highlighted by a red rectangle, with a yellow callout bubble pointing to it.

Welcome to the EURL DataPool test website.

The [EURL DataPool-website](#) is now being moved to a new system. The new EURL DataPool website currently offers the following databases/views:

- MRL Residue Definitions (issued by EU and Codex Alimentarius)
- Stability of Compounds in Solution
- List of Physicochemical Data
- My EUPT Results (EUPT data extracted from the EUPT Archive DB)

2.:
Click on „Login“



EURL-DataPool

[Home](#)

[Reference Labs](#)

[Tutorials](#)

Log In

User Login Data

Username

JohnDoe

Password

••••••••

Remember Me

☐

Log In

1.:

Enter here your **username + password**.
If you miss your login-data, please
contact EURL-SRM@cvuas.bwl.de.

We will send you a new password.

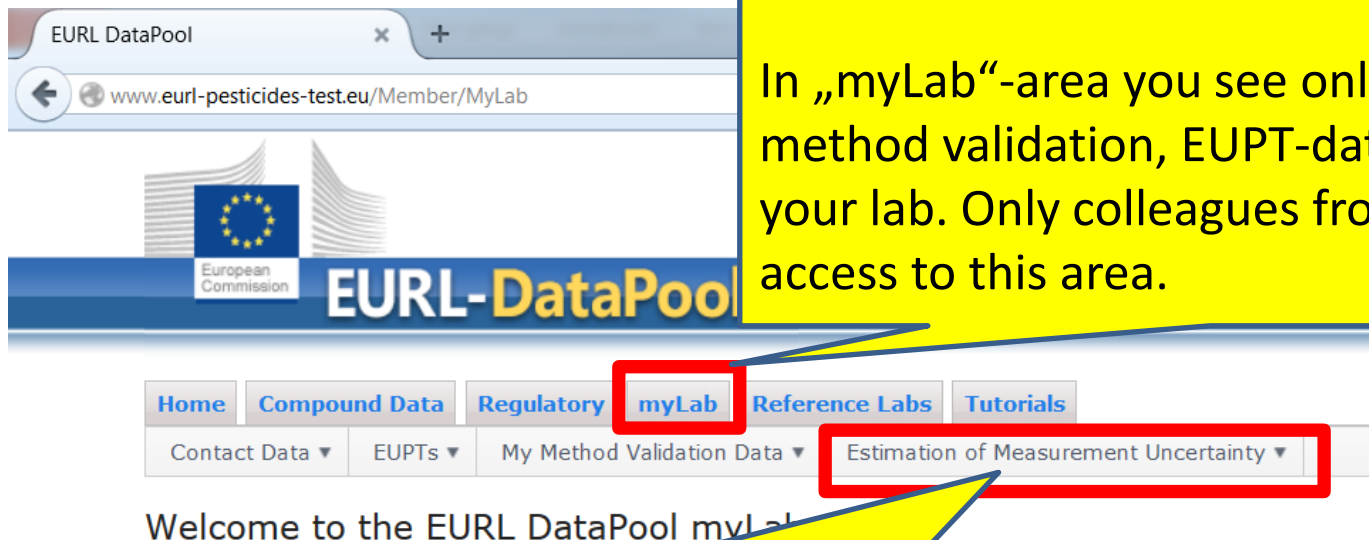
2.:

Click on „Login“

1.:

After the login-procedure you will see the „myLab“-Tab in the top-navigation bar.

In „myLab“-area you see only data (contact data, method validation, EUPT-data) that is assigned to your lab. Only colleagues from your lab have access to this area.



2.:

After clicking on the „myLab“-Tab you will see the „**Estimation of Measurement Uncertainty**“-button in the sub-navigation bar.

At this stage, this button is only accessible to members of the EURLs, NRLs and of the AQC Group.

If you do not see this button, please contact EURL-SRM@cvuas.bwl.de.



EURL-DataPool

[Home](#)[Compound Data](#)[Regulatory](#)[myLab](#)[Reference Labs](#)[Tutorials](#)[Contact Data ▼](#)[EUPTs ▼](#)[My Method Validation Data ▼](#)[Estimation of Measurement Uncertainty ▼](#)[MU based on my EUPT and Validation Data](#)

Welcome to the EURL DataPool myLab area.

Move the mouse to the „Estimation of Measurement Uncertainty“-button and click on „**MU based on my EUPT and Validation Data**“-button.

This table lists all EUPTs in which your lab participated.

(Comment: not all EUPTs were imported into the EUPT-Archive till now. We are currently addressing this matter.)

Home	Compound Data	Regulatory	myLab	EURL Network	Administration	Reference Labs	Tools
Contact Data ▼	EUPTs ▼	My Method Validation Data ▼	Estimation of Measurement Uncertainty ▼				
Tool for Calculation of Measurement Uncertainty based on my EUPT-results and Validation Data							
Guide	Select EUPT-Compounds	Select EUPTs	Refresh EUPT Calculations	Calculate Uncertainties			
	Included	EUPT Name	Year	Commodity	Participation Category	EUPT Type	EUPT Conducted on Behalf of
▶	<input checked="" type="checkbox"/>	C06	2012	Barley	A	C	Germany
▶	<input checked="" type="checkbox"/>	FV14	2012	Pear	A	FV	Germany
▶	<input checked="" type="checkbox"/>	FV13	2011	Mandarine	A	FV	Germany
▶	<input checked="" type="checkbox"/>	C04	2010	Rye	A	C	Germany
▶	<input checked="" type="checkbox"/>		2010	Leek	A	FV	Germany
▶	<input checked="" type="checkbox"/>			Mushrooms, boletus			Germany
▶	<input checked="" type="checkbox"/>			(Boletaceae, Boletales)			Germany
▶	<input checked="" type="checkbox"/>	Ad-hoc-PT-Nicotine (3)	2009	Mushrooms, Polyporus	N/A		Germany
▶	<input checked="" type="checkbox"/>	FV11	2009	Cauliflower	A	FV	Germany
▶	<input checked="" type="checkbox"/>	FV10	2008	Carrot	A	FV	Germany
▶	<input checked="" type="checkbox"/>	FV09	2007	Strawberry	A	FV	Germany

Click on this triangle-icon to see details on EUPT-FV13.

Tool for Calculation of Measurement Uncertainty based on my EUPT-results and Validation Data

Guide

Select EUPT-Compounds

Select EUPTs

Refresh EUPT Calculations

Calculate Uncertainties

Included	EUPT Name	Year	Commodity	Participation Category	EUPT Type	EUPT Conducted on Behalf of
<input checked="" type="checkbox"/>	FV13	2011	Mandarine	A	FV	Germany

Measurement Uncertainty Results

Included	Compound	Compound Info				Your EUPT Results			Partial Results of MU Calculation Procedure		
		Assigned Value	Unit	Qn	No. of Reported Results	Detected	FN	Result	Square of Bias'(i)	SQRT(No. of Reported Results)	Qn/SQRT(No. of Reported Results)
<input checked="" type="checkbox"/>	Diazinon	0.189	mg/kg	0.24	141	Yes	No	0.22	0.0269	11.8743	0.0202
<input checked="" type="checkbox"/>	EPN	0.422	mg/kg	0.26	82	Yes	No	0.39	0.0058	9.0554	0.0287
<input checked="" type="checkbox"/>	Imazalil	1.3	mg/kg	0.24	126	Yes	No	1.2	0.0059	11.225	0.0214
<input checked="" type="checkbox"/>	Indoxacarb	0.792	mg/kg	0.25	106	Yes	No		0.0028	10.2956	0.0243
<input checked="" type="checkbox"/>	Chlorpyrifos	0.786	mg/kg	0.24	141	Yes	No	0.8	0.0019	11.8743	0.0202
<input checked="" type="checkbox"/>	Deltamethrin	0.133	mg/kg	0.25	127	Yes	No	0.14		11.2694	0.0222

1

1 - 22 of 22 items

This details-table is similar to table 1 of the Document SANCO/12571/2013 (p. 30).

It shows – among others - some calculated parameters, e.g. like „Square of Bias'(i)“ and „Square root of the number of results“. We added the following columns : „Unit“, „Detected“, „FN“ (false negative).

Use these buttons to

1.) **select the compounds or EUPTs** and 2.) **calculate the expanded MU**.

Home Compound Data Regulatory myLab EURL Network Administration Reference Labs Tutorials

Contact Data ▼ EUPTs ▼ My Method Validation Data ▼ Estimation of Measurement Uncertainty ▼

Tool for Calculation of Measurement Uncertainty based on my EUPT-results and

Guide Select EUPT-Compounds Select EUPTs Refresh EUPT Calculations Calculate Uncertainties

	Included	EUPT Name	Year	Commodity
▲	<input checked="" type="checkbox"/>	FV13	2011	Mandarine

Home Compound Data Regulatory myLab EURL Network Administration Reference Labs

Contact Data ▼ EUPTs ▼ My Method Validation Data ▼ Estimation of Measurement Uncertainty ▼

Tool for Calculation of Measurement Uncertainty based on my EUPT-

(b) Select EUPT-Compounds Select EUPTs (a) Refresh EUPT Calculations Calculate Uncertainties

	Included		Year
--	----------	--	------

(a) At **pages 10-12** you find details on how to select **one or more EUPTs** for the MU estimation.

(b) At **pages 13-15** you find details on how to select **one or several pesticides** for the MU estimation.

Option (a): Estimation of the expanded MU for one or several EUPTs

If you would like to estimate the **expanded MU** over a number of compounds based on results of just **one EUPT** (e.g. EUPT-FV13) proceed as follows:

Tool for Calculation of Measurement Uncertainty based on my EUPT-Results and Validation Data

Guide Select EUPT-Compounds **Select EUPTs** Refresh

Included	EUPT Name
<input checked="" type="checkbox"/>	FV13

Measurement Uncertainty Results

Included	Compound	Present in Sample	Assigned Value	U
<input checked="" type="checkbox"/>	Carbendazim (sum)	Yes	1.25	n
<input checked="" type="checkbox"/>	Chlorpyrifos	Yes	0.786	n
<input checked="" type="checkbox"/>	Deltamethrin	Yes	0.133	n
<input checked="" type="checkbox"/>	Diazinon	Yes	0.189	n

1. Click on the button „**Select EUPTs**“
2. Select „**FV13**“ in the new window.
(you can also select more than one EUPT to be considered in the MU calculation process)
3. Finally confirm with „**OK**“

Select those EUPTs that should be considered in the estimation of MU

Included	EUPT	Year
<input type="checkbox"/>	FV14	2012
<input checked="" type="checkbox"/>	FV13	2011
<input type="checkbox"/>	FV12	2010
<input type="checkbox"/>	FV11	2009
<input type="checkbox"/>	FV10	2008
<input type="checkbox"/>	FV09	2007
<input type="checkbox"/>	FV08	2006
<input type="checkbox"/>	FV07	2005

Ok Cancel

Option (a): Estimation of the expanded MU for one or several EUPTs

Only the selected EUPT is shown in this table.

HomeCompound DataRegulatorymyLabEURL NetworkAdministrationMaterials

Contact Data ▾EUPTs ▾My Method Validation Data ▾Estimation of Measurement Uncertainty

Tool for Calculation of Measurement Uncertainty based on measurement results and Validation Data

GuideSelect EUPT-CompoundsSelect EUPTsRefresh EUPT CalculationsCalculate Uncertainties

	Included	EUPT Name	Year	Commodity	Participation Category	EUPT Type	EUPT Conducted on Behalf of
	<input checked="" type="checkbox"/>	FV13	2011	Mandarine	A	FV	Germany

If you want to exclude some pesticides from the MU estimation procedure, open the details table and **de-select** the appropriate compounds.

GuideSelect EUPT-CompoundsSelect EUPTsRefresh EUPT CalculationsCalculate Uncertainties

	Included	EUPT Name	Year	Commodity	Participation Category	EUPT Type	EUPT Conducted on Behalf of
	<input checked="" type="checkbox"/>	FV13	2011	Mandarine	A	FV	Germany

Measurement Uncertainty Results

Included	Compound	Compound Info					Your EUPT Results			Partial Results of MU Calculation Procedure		
		Present in Sample	Assigned Value	Unit	Qn	No. of Reported Results	Detected	FN	Result	Square of Bias'(i)	SQRT(No. of Re...	Qn/SQRT(No. of...
<input checked="" type="checkbox"/>	Carbendazim (sum)	Yes	1.25	mg/kg	0.3	111	Yes	No	1.2	0.0016	10.5357	0.0285
<input checked="" type="checkbox"/>	Chlorpyrifos	Yes	0.786	mg/kg	0.24	147	Yes	No	0.82	0.0019	12.1244	0.0198
<input type="checkbox"/>	Deltamethrin	Yes	0.133	mg/kg	0.25	133	Yes	No	0.14	0.0028	11.5326	0.0217
<input type="checkbox"/>	Diazinon	Yes	0.189	mg/kg	0.24	147	Yes	No	0.22	0.0269	12.1244	0.0198
<input checked="" type="checkbox"/>	EPN	Yes	0.422	mg/kg	0.26	84	Yes	No	0.39	0.0058	9.1652	0.0284
<input checked="" type="checkbox"/>	Imazalil	Yes	1.3	mg/kg	0.24	132	Yes	No	1.2	0.0059	11.4891	0.0209

Option (a): Estimation of the expanded MU for one or several EUPTs

Click the refresh-button.
The tool will then consider all changes you made (e.g. de-selection of compounds) in the subsequent calculations.
Continue as shown in [Page 16](#) of this document.

HomeCompound DataRegulatorymyLabEURLReference LabsTutorials

Contact Data ▾EUPTs ▾My Method Validation Data ▾Measurement Uncertainty ▾

Tool for Calculation of Measurement Uncertainty based on my EUPT-results and Validation Data

GuideSelect EUPT-CompoundsSelect EUPTsRefresh EUPT CalculationsCalculate Uncertainties

	Included	EUPT Name	Year	Commodity	Participation Category	EUPT Type	EUPT Conducted on Behalf of
	<input checked="" type="checkbox"/>	FV13	2011	Mandarine	A	FV	Germany

Measurement Uncertainty Results

Included	Compound	Compound Info				Your EUPT Results			Partial F	
		Present in S...	Assigned Value	Unit	Qn	No. of Reported ...	Detected	FN	Result	Square of Bias
<input checked="" type="checkbox"/>	Carbendazim (sum)	Yes	1.25	mg/kg	0.3	111	Yes	No	1.2	0.00
<input checked="" type="checkbox"/>	Chlorpyrifos	Yes	0.786	mg/kg	0.24	147	Yes	No	0.82	0.00
<input type="checkbox"/>	Deltamethrin	Yes	0.133	mg/kg	0.25	133	Yes	No	0.14	0.00
<input type="checkbox"/>	Diazinon	Yes	0.189	mg/kg	0.24	147	Yes	No	0.22	0.02
<input checked="" type="checkbox"/>	EPN	Yes	0.422	mg/kg	0.26	84	Yes	No	0.39	0.00
<input checked="" type="checkbox"/>	Imazalil	Yes	1.3	mg/kg	0.24	132	Yes	No	1.2	0.00

Option (b): Estimation of expanded MU for one or several pesticides

If you would like to estimate the expanded MU for ONE specific pesticide taking into account the results of many EUPTs proceed as follows:

1.: Click on the button „Select EUPT-Compounds“

2.: Click on „De-Select All“ in the new window (=> all compounds will be excluded from the calculation process).

3.: Click on the filter-icon in the column „Compound“ and enter e.g. „bosca“ to filter for the pesticide „Boscalid“

4.: Confirm by clicking on „Filter“-button.

Tool for Calculation of Measure

Guide Select EUPT-Compounds Select EUPTs Refresh EUPT Calculations Calculate Uncertainties

Included	EUPT Name
<input checked="" type="checkbox"/>	FV14

Select those compounds that should be considered in the estimation of

Select All De-Select All

Included	Compound
<input type="checkbox"/>	Acephate
<input type="checkbox"/>	Acetamiprid
<input type="checkbox"/>	Acrinathrin
<input type="checkbox"/>	Aldicarb
<input type="checkbox"/>	Aldicarb (sum)
<input type="checkbox"/>	Azinphos-Methyl
<input type="checkbox"/>	Azoxystrobin

Show items with value that:

Contains

bosca

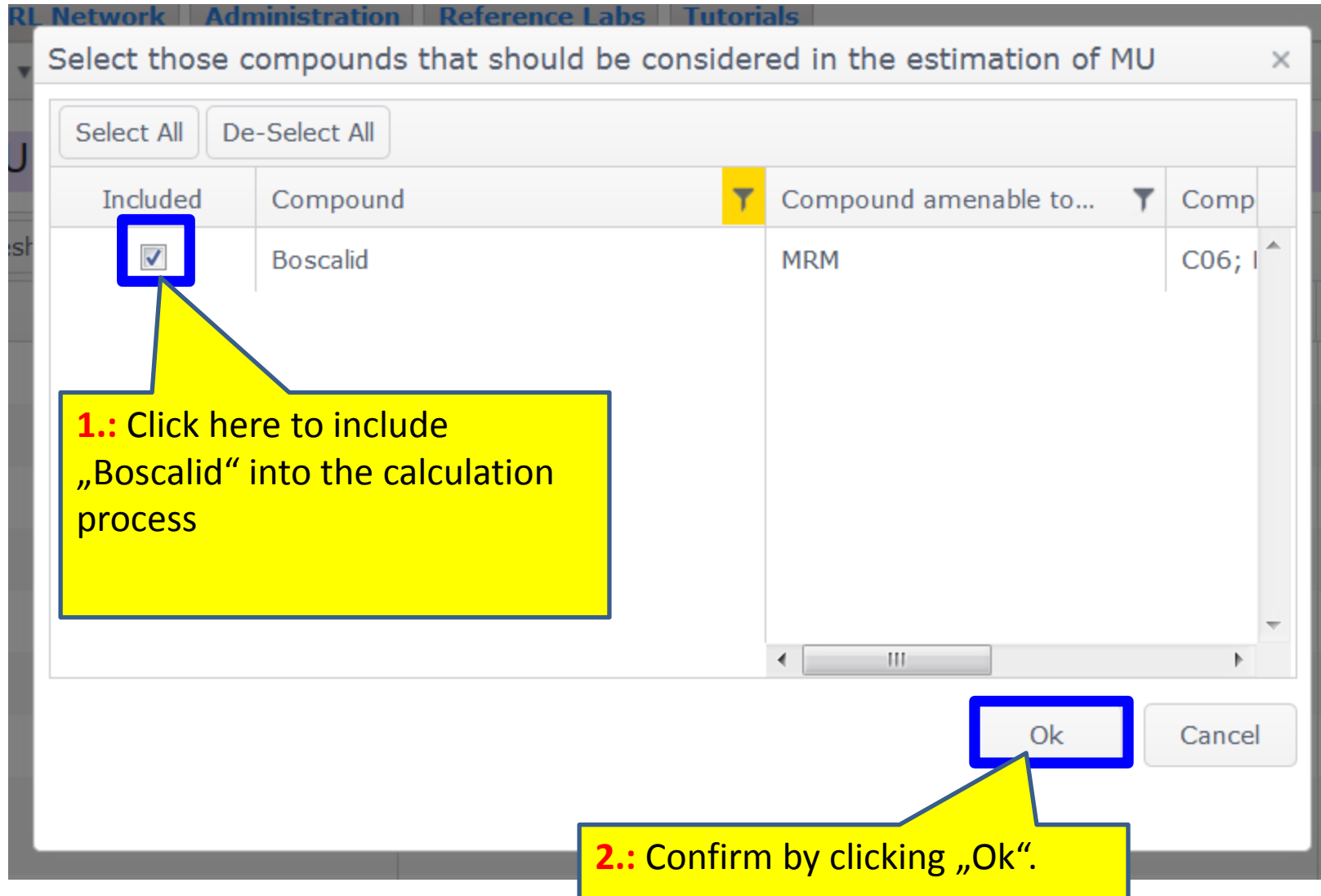
And

Contains

Filter Clear

FV07;
FV06
FV03
FV11;
FV04;
C04;

Option (b): Estimation of expanded MU for one or several pesticides



Option (b): Estimation of expanded MU for one or several pesticides

HomeCompound DataRegulatorymyLabEURL NetworkAdministration

Contact Data ▼EUPTs ▼My Method Validation Data ▼Estimation of Measurement

Tool for Calculation of Measurement Uncertainty based on

GuideSelect EUPT-CompoundsSelect EUPTsRefresh EUPT CalculationsCalculate Measurement Uncertainty

	Included	EUPT Name	Year	Commodity	Participation Category	EUPT Type	EUPT Conducted on Behalf of
▶	<input checked="" type="checkbox"/>	C06	2012	Boscalid	...	...	...
▶	<input checked="" type="checkbox"/>	FV14	2012	Boscalid	...	...	...
▶	<input checked="" type="checkbox"/>	FV11	2012	Boscalid	...	...	...
▶	<input checked="" type="checkbox"/>	FV10	2012	Boscalid	...	...	...

Measurement Uncertainty Results

Included...	Compound	Commodity	Concentration	Unit	Uncertainty	Expanded MU
<input checked="" type="checkbox"/>	Boscalid					
<input type="checkbox"/>	Acetamiprid	Yes	0.419	mg/kg	0.18	85
<input type="checkbox"/>	Chlorpyrifos-Methyl	Yes	0.078	mg/kg	0.26	126
<input type="checkbox"/>	Diazinon	Yes	0.603	mg/kg	0.24	125

Click on „Refresh EUPT Calculations“ and proceed as described at the next page.

As a result of filtering the data for „Boscalid“ only those EUPTs are listed in this table in which Boscalid
a) was present in the test item (-> according to the EUPT-report)
AND
b) was evaluated in the EUPT-report.
Only Boscalid is selected for the MU calculation procedure.

Calculation of u' (RSDwR)

Home	Compound Data	Regulatory	myLab	EURL Network	Administration	Reference Labs	Tutorials
Contact Data ▼	EUPTs ▼	My Method Validation Data ▼	Estimation of Measurement Uncertainty ▼				
Tool for Calculation of Measurement Uncertainty based on my EUPT-results and Validation Data							
Guide	Select EUPT-Compounds	Select EUPTs	Refresh EUPT Calculations	Calculate Uncertainties			
	Included	EUPT Name		Commodity	Participation Category	EUPT Type	EUPT Conducted on Behalf of
	<input checked="" type="checkbox"/>	FV13		Mandarine	A	FV	Germany

Click on „**Calculate Uncertainties**“ to proceed.

Please consider:

All calculations by the MUC-Tool are based on the mathematical formulas in Document N° SANCO/12571/2013.

Calculation of $u'(\text{RSD}_{\text{wR}})$

In this part of the MU Estimation procedure, the tool will consider the within-laboratory reproducibility $u'(\text{RSD}_{\text{wR}})$.

Measurement uncertainties calculation

Please enter the within-laboratory reproducibility $U'(\text{RSD}_{\text{wR}})$ below.
In case you do not enter a value for the within-laboratory reproducibility $U'(\text{RSD}_{\text{wR}})$, the tool cannot calculate the expanded measurement uncertainty U' .

$U'(\text{RSD}_{\text{wR}})$: 0.150

Ok Cancel

If your lab **did NOT submit** method validation data to EURL DataPool, you have to enter a value for $u'(\text{RSD}_{\text{wR}})$ here. Then click „Ok“.

Calculation of $u'(RSD_{wR})$

If your lab **did submit method validation data to EURL DataPool**, you can use this data to calculate the $u'(RSD_{wR})$.

Measurement uncertainties calculation

For the calculation of the within-laboratory reproducibility $U'(RSD_{wR})$, the tool used recovery data submitted by your laboratory to the Method Validation Data database.

The within-laboratory reproducibility for the selected compounds based on your method validation data was calculated to:

$U'(RSD_{wR})$: 0.054

Select All De-Select All

	Compound	ValidationContext	Spiking Level [m...	# of Recoveri...	Individual RSD
e)	2,4-D	Basic validation	0.002	5	0.1181
e)	2,4-D	Basic validation	0.005	4	0.0352
e)	2,4-D	Interlab. test	0.01	5	0.0664
e)	2,4-D	Interlab. test	0.025	10	0.054

Please consider that you can overwrite this value at any time.

To calculate the $u'(RSD_{wR})$, the method validation data is grouped by compound, extraction method, amenability to method type (MRM, SRM, MRM/SRM), commodity group, validation context and spiking level.

Data sets with less than three recoveries are excluded. The individual RSDs are calculated for each of these data-groups. Finally, the median RSD-value is taken as the $u'(RSD_{wR})$. In this case 0.054 (see above).

The calculation procedure of $u'(RSD_{wR})$ is NOT fixed yet and is a first proposal. The final decision has to be taken by the AQC Group.

Calculation of $u'(RSDwR)$

If you want to calculate the $u'(RSDwR)$ e.g. for all compounds amenable to **multi-residue methods (MRM)** and validated with „**water containing**“ commodities, please proceed as shown at the next pages:

Measurement uncertainties calculation

For the calculation of the within-laboratory reproducibility $U'(RSDwR)$, the tool used recovery data submitted by your laboratory to the Method Validation Data database.

The within-laboratory reproducibility for the selected compounds based on your method validation data was calculated to:

$U'(RSDwR)$: 0.054

Select All De-Select All

Included	Compound	Commodity Group	Commodity Group	ValidationContext	Ar
<input checked="" type="checkbox"/>	2,4-D	MRM/SRM	Water containing	Basic validation	Q
<input checked="" type="checkbox"/>	2,4-D	MRM/SRM	Water containing	Basic validation	Q
<input checked="" type="checkbox"/>	2,4-D	MRM/SRM	Water containing	Interlab. test	Q
<input checked="" type="checkbox"/>	2,4-D	MRM/SRM	Water containing	Interlab. test	Q
<input checked="" type="checkbox"/>	2,4-D	MRM/SRM	Water containing	Basic validation	Q

1 - 100 of 8025 items

Ok Cancel

Calculation of $u'(\text{RSDwR})$

1.: Click on „De-Select All“ (=> all compounds will be excluded from the calculation process)

2.: Click on this filter-icon and select the „MRM“-value from the drop-down menu. Confirm by clicking on the „Filter“-button.

3.: Click on the filter-icon in the „Commodity Group“-column and select the „Water containing“-value from the drop-down menu. Confirm by clicking on „Filter“-button.

4.: Click on „Select All“.
All compounds selected by the filters in step 2. and 3. will be **INCLUDED** in the calculation process and the tool re-calculates the $u'(\text{RSDwR})$ based on your selection parameters.
-> See next page.

The screenshot shows a software interface for calculating $u'(\text{RSDwR})$. At the top, a text box displays "U' (RSDwR) 0.150". Below this, there are two buttons: "Select All" (highlighted with a green box) and "De-Select All" (highlighted with a red box). The main area is a table with columns: "Included", "Compound", "Amenable to", "Commodity Group", "ValidationContext", and "Amount". The "Compound" column lists "2,4-D". The "Amenable to" column lists "MRM/SRM". The "Commodity Group" column has a filter icon (a triangle with a dot) highlighted with a red box, and a dropdown menu is open showing options: "Is equal to", "-Select value-", "MRM", "MRM/SRM", "SRM", "Group Specific", "No Data", and "N/A". The "ValidationContext" column has a filter icon highlighted with a red box, and a dropdown menu is open showing options: "Basic validation", "Interlab. test", and "Basic validation". At the bottom right, there are "Ok" and "Cancel" buttons. The status bar at the bottom indicates "1 - 100 of 8025 items".

Calculation of $u'(RSDwR)$

Measurement uncertainties calculation

For the calculation of the within-laboratory reproducibility $U'(RSDwR)$, the tool used recovery data submitted by your laboratory to the Method...

The within-laboratory reproducibility $U'(RSDwR)$ was re-calculated based on your filter-criteria.

$U'(RSDwR)$: 0.049

Select All De-Select All

Included	Compound	Commodity Group	Commodity Group	ValidationContext	Ar
<input checked="" type="checkbox"/>	Aclonifen	MRM	Water containing	Basic validation	Q
<input checked="" type="checkbox"/>	Aclonifen	MRM	Water containing	Basic validation	Q
<input checked="" type="checkbox"/>	Acrinathrin	MRM	Water containing	Basic validation	Q
<input checked="" type="checkbox"/>	Acrinathrin	MRM	Water containing	Basic validation	Q
<input checked="" type="checkbox"/>	Acrinathrin	MRM	Water containing	Interlab. test	Q

1 - 100 of 1720 items

Ok Cancel

Click on the „Ok“-button.

(=> the tool will calculate the expanded MU and show the final result as well as some interim results summarized in one table (-> see next page)).

Final Result of MU estimation

Final table summarizing all important interim results and the expanded MU (at the bottom of the table).

ool for Calculation of Measurement Uncertainty based

Equation	Comment	Parameter	Result
	Number of EUPT results used in the calculation procedure	m	19
	Sum of squares of the bias	$\sum (bias_i)^2$ where $bias = \frac{\text{lab result}_i - \text{assigned value}_i}{\text{assigned value}_i}$	0.3885
	Sum of quotients between Qn and square roots of number of submitted lab results	$\sum \frac{Qn_i}{\sqrt{\text{No. of lab results}_i}}$	0.4569000...
	Uncertainty component arising from method and laboratory bias (estimated from your EUPT data)	$u'(bias) = \sqrt{(RMS'_{bias})^2 + u'(c_{ref})^2}$	
	Root mean square of the sum of squared bias(i) divided by number of EUPT results used in the calculation procedure	$RMS'_{bias(i)} = \sqrt{\frac{\sum (bias_i)^2}{m}}$	0.14299
		$u'(c_{ref}) = \frac{\sum \frac{Qn_i}{\sqrt{\text{No. of lab results}_i}}}{m} \cdot 1.253$	0.03011
	By applying the results of RMS'bias (equation 4) and $u'(c_{ref})$ (equation 5) to equation 3, $u'(bias)$ is calculated to:	$u'(bias) =$	0.146
	Estimation of the within-laboratory reproducibility	$u'(RSD_{wR})$: In case your lab submitted method validation data to EURL DataPool, $u'(RSD_{wR})$ is calculated by the system as follows: the data is grouped by compound, analytical method and the spiking level and the RSD is calculated for each group. Finally, the median of all RSDs is used as $u'(RSD_{wR})$. In case the laboratory submitted NO method validation data, the value for $u'(RSD_{wR})$ has to be entered by the user.	0.049
	Combined standard uncertainty	$u' = \sqrt{u'(RSD_{wR})^2 + u'(bias)^2}$	0.1541
	Expanded coverage factor	$k = 2$	
	Expanded measurement uncertainty	$U' = k \cdot u'$	30.8

Expanded MU

The filtered data was: **EUPT-FV13** to calculate the lab's $u'(bias)$ and method validation data (MRM-pesticides; water-containing commodities) to calculate lab's $u'(RSD_{wR})$.

If you want to download your EUPT-data, please follow these steps:

1.: Click on „myLab“

2.: Click on „EUPTs“ and then click on „My EUPT Results“

My EUPT Results

Drag a column header and drop it here to group by

	Year	EUPT Name	Community	Participants
▶	2012	C06	Barley	A
▶	2012	FV14	Pear	A
▶	2011	FV13	Mandarine	A
▶	2010	FV12	Leek	A
▶	2010	C04	Rye	A
▶	2009	Ad-hoc-PT-Nicotine (1)	Mushrooms, bolete ~ (Boletaceae, Boletales)	N/A

If you want to download your EUPT-data, please follow these steps:

Home Compound Data Regulatory myLab EURL Network Administration Reference Labs Tutorials

Contact Data ▼ EUPts ▼ My Method Validation Data ▼ Estimation of Measurement Uncertainty ▼

My EUPT Results

1.: Click on this triangle-icon to see details on EUPT-FV14.

2.: Click on the „Results“-tab

3.: In the „Results“-tab you find the „Export to Excel“-button. By clicking on it, the website will download the EUPT-data on your computer.

Year	Category	EUPT Type
2012	Barley	C
2012	FV14	FV

Details Statistics Distribution of Results Combined z-Scores Analytes Results

Export to Excel

Comp	Accredited	Analyzed for	Reason not
Parat	No	Yes	
	No		No
	No		No
	No		No
	Yes		Yes