

EURL FOR PESTICIDE RESIDUES IN FRUITS AND VEGETABLES (EURL-FV)

Activity Programme 2017

EURL

TITLE III

REFERENCE LABORATORIES

Article 32

Community reference laboratories

1. The Community reference laboratories for feed and food referred to in Annex VII shall be responsible for:
 - (a) providing national reference laboratories with details of analytical methods, including reference methods;
 - (b) coordinating application by the national reference laboratories of the methods referred to in (a), in particular by organising comparative testing and by ensuring an appropriate follow-up of such comparative testing in accordance with internationally accepted protocols, when available;
 - (c) coordinating, within their area of competence, practical arrangements needed to apply new analytical methods and informing national reference laboratories of advances in this field;
 - (d) conducting initial and further training courses for the benefit of staff from national reference laboratories and of experts from developing countries;



- (e) providing scientific and technical assistance to the Commission, especially in cases where Member States contest the results of analyses;

- (f) collaborating with laboratories responsible for analysing feed and food in third countries.





Activity Programme 2017

Four groups of activities:

A) General tasks

B) Development and validation of analytical methods

C) Quality assurance and quality control programme; including the organisation of Proficiency Tests and Intercomparative Studies

D) Technical and scientific support to DG SANTE, EU Member States and Third Countries including the organisation of Courses and Workshops

Activity Programme 2017

A - GENERAL TASKS.

A1. Management of administrative duties

Preparation of Budget, activity programmes, technical programmes...

A2. EURL-FV web page.

<http://www.eurl-pesticides.eu/>

Fruits and Vegetables



EURL-FV



Search: Go

EU Reference Laboratories for Residues of Pesticides

You are here: Home : Pesticides in Fruits and Vegetables

EURL Portal

EURL for Fruits and Vegetables

EURL for Cereals and Feeding Stuff

EURL for Food of Animal Origin

EURL for Single Residue Methods

Topics

EURL-FV Network
NRL-FV Network

Proficiency Tests

- EUPT-FV-BF01 (2016)
- EU-RT-FV18 (2016)
- EUPT-FV-18 (2016)
- EUPT-FV-SM08 (2016)
- EU-RT-FV17 (2015)
- EUPT-FV-17 (2015)
- EUPT-FV-SM07 (2015)
- EUPT-FV-FH01 (2015)
- EU-RT-FV16 (2014)
- EUPT-FV-T02 (2014)
- EUPT-FV-16 (2014)
- EUPT-FV-SM06 (2014)
- EUPT-Panel Meeting
- EUPT-FV Archive

Workshops

- 2016 FV-SRM Workshop
- Workshop Overview

Latest News

- 14-09-2016 | EURL-FV
The evaluation of matrix effects in pesticide multiresidue methods via matrix fingerprinting using liquid chromatography electrospray highresolution mass spectrometry.
EURL-FV Article
- 03-08-2016 | EURL-FV
EUPT-FV-BF01
European Union Proficiency Test for Pesticide Residues in Baby Food EUPT-FV-BF01
- 16-06-2016 | EURL-FV
Joint EURL/NRLs (FV-SRM) Pesticide Residue Workshop 2016
25th-26th October 2016
- 06-06-2016 | EURL-FV
European Union Ring Test Certified Standard Solutions FV18
EU-RT-FV18
- 10-05-2016 | EURL-FV
EUPT-FV18 and EUPT-SM08 Preliminary Results Webinar
EUPT-FV18 and EUPT-SM08 Preliminary Results Webinar
- 25-04-2016 | EURL-FV
Application of zirconium dioxide nanoparticle sorbent for the clean-up step in post-harvest pesticide residue analysis
EURL-FV Article

Quicklinks

- [EURL-DataPool \(NEW\)](#)
- [EURL-DataPool \(old\)](#)
- [EU-MRLs Database \(COM\)](#)
- [EU-Legisl. on MRLs \(COM\)](#)
- [EU-Legisl. on PPPs \(COM\)](#)
- [RASFF Portal DB \(COM\)](#)
- [CIRCA BC Login](#)
- [How to Use CIRCA BC](#)

Pinboard

[Joint EURL/NRL-Workshop 2017](#)

[More Pinboard Messages...](#)

Calendar

Oct 2016 Show





Topics

EURL-FV Network

NRL-FV Network

Proficiency Tests

EUPT-FV-BF01 (2016)
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EUPT-Panel Meeting
EUPT-FV Archive

Workshops

2016 FV-SRM Workshop
Workshop Overview
EURL Webinars
Trainings

Services

Standard Solutions

AQC Panel

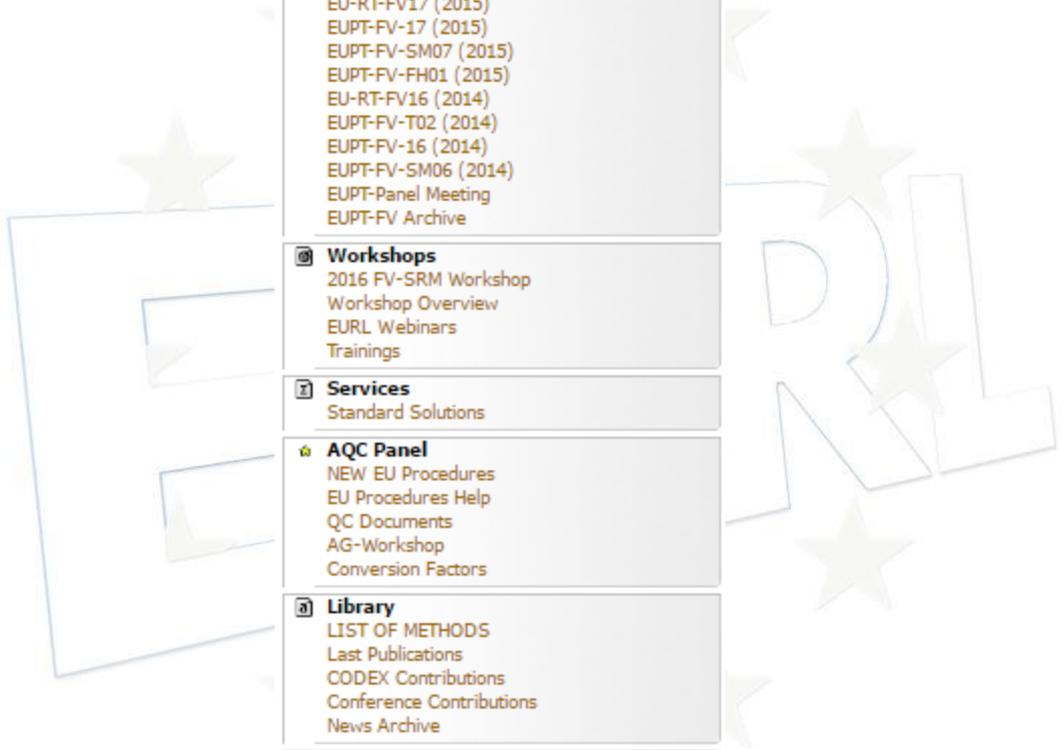
NEW EU Procedures
EU Procedures Help
QC Documents
AG-Workshop
Conversion Factors

Library

LIST OF METHODS
Last Publications
CODEX Contributions
Conference Contributions
News Archive

About us

EURL-FV Accreditation
Work Programme
Contact
Instrumentation
Travel Information
Accommodation



Activity Programme 2017

A - GENERAL TASKS.

A1. Management of administrative duties

A2. EURL-FV web page.

A3. Development of bilateral cooperation with other organisations:

- Special collaboration with EFSA by agreement with DG SANTE through Ms. Paula Medina Pastor, second national expert in EFSA and former member of the staff at EURL-FV.



Activity Programme 2017

A - GENERAL TASKS.

A1. Management of administrative duties

A2. EURL-FV web page.

A3. Development of bilateral cooperation with other organisations:

A4. Collaboration with the other pesticide residue EURLs.





Activity Programme 2017

B - DEVELOPMENT AND VALIDATION OF ANALYTICAL METHODS

B1. Development of validated procedures (including the use of new instrumentation)

B.1.1 Development of a highly sensitive analytical method for baby food and organic products.

B.1.2 Development of an accurate mass analytical method using GC-HRAMS

B.1.3 Application of accurate mass to the analysis of “difficult” compounds of low molecular weight.

B.1.5 Use of accurate mass analytical methods combining screening with quantitative detection of frequently found pesticides.

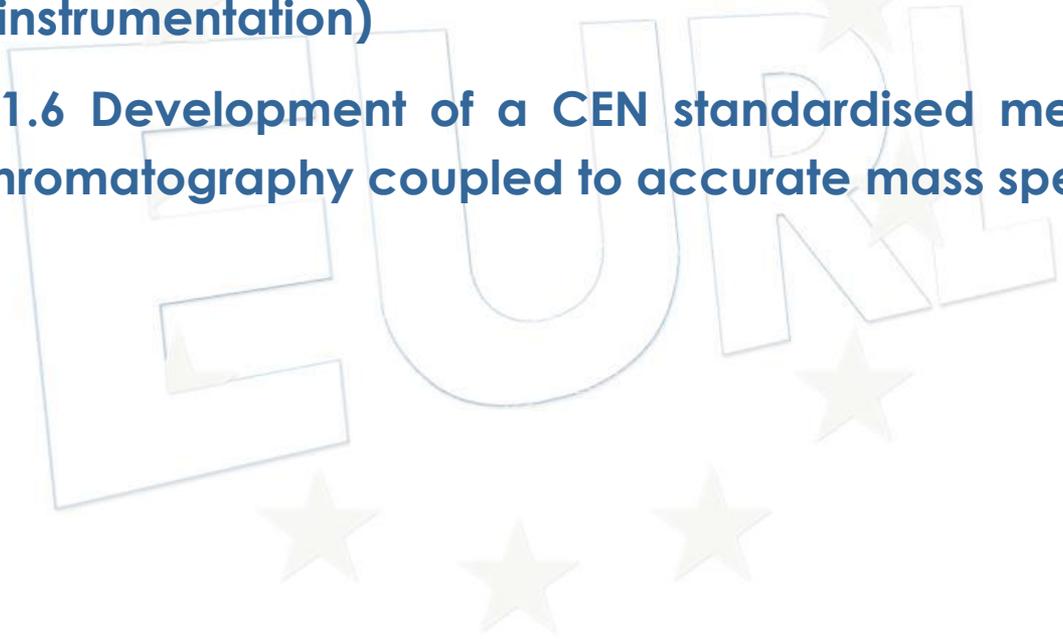
Activity Programme 2017

B - DEVELOPMENT AND VALIDATION OF ANALYTICAL METHODS

B1. Development of validated procedures (including the use of new instrumentation)



B.1.6 Development of a CEN standardised method for liquid chromatography coupled to accurate mass spectrometry





Activity Programme 2017

B - DEVELOPMENT AND VALIDATION OF ANALYTICAL METHODS

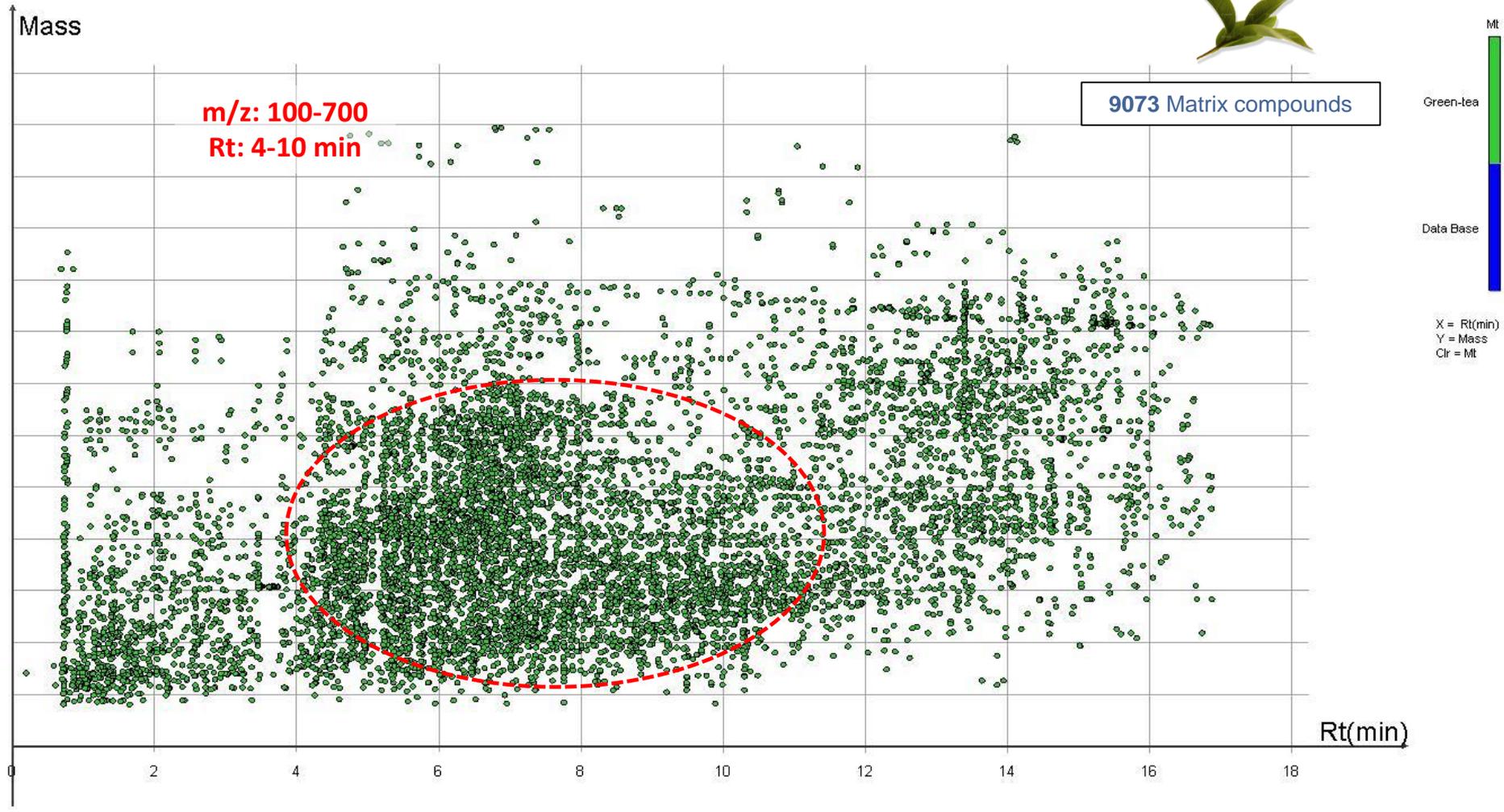
B1. Development of validated procedures (including the use of new instrumentation)



B.1.6 Development of a CEN standardised method for liquid chromatography coupled to accurate mass spectrometry

B.1.7 Update of the “components map” for typical representative commodities of each commodity group in Document SANTE/11945/2015.

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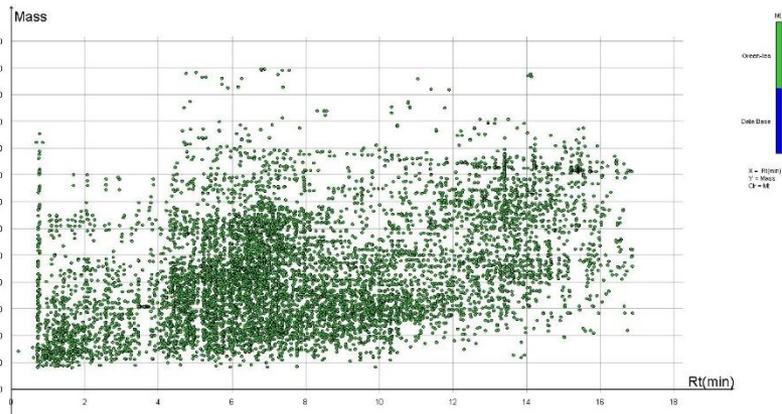


Miner 3D Enterprise

B.1.7 Update of the “components map” for typical representative commodities of each commodity group in Document SANTE/11945/2015.

Annex A Commodity groups and representative commodities⁵

Vegetable and fruits, cereals and food of animal origin



In cooperation with EURL-CF and EURL-AO

Commodity groups	Typical commodity categories	Typical representative commodities
1. High water content	Pome fruit	Apples, pears
	Stone fruit	Apricots, cherries, peaches,
	Other fruit	Bananas
	Alliums	Onions, leeks
	Fruiting vegetables/cucurbits	Tomatoes, peppers, cucumber, melon
	Brassica vegetables	Cauliflower, Brussels-sprouts, cabbage, broccoli
	Leafy vegetables and fresh herbs	Lettuce, spinach, basil
	Stem and stalk vegetables	Celery, asparagus
	Forage/fodder crops	Fresh alfalfa, fodder vetch, fresh sugar beets
	Fresh legume vegetables	Fresh peas with pods, peas, mange tout, broad beans, runner beans, French beans
	Leaves of root and tuber vegetables	Sugar beet and fodder beet tops
	Fresh Fungi	Champignons, canterelles
	Root and tuber vegetables or feed	Sugar beet and fodder beet roots, carrots, potatoes, sweet potatoes
2. High acid content and high water content ⁶	Citrus fruit	Lemons, mandarins, tangerines, oranges
	Small fruit and berries	Strawberry, blueberry, raspberry, black currant, red currant, white currant, grapes
	Other	Kiwifruit, pineapple, rhubarb
3. High sugar and low water content ⁷	Honey, dried fruit	Honey, raisins, dried apricots, dried plums, fruit jams
4a. High oil content and very low water content	Tree nuts	Walnuts, hazelnuts, chestnuts
	Oil seeds	Oilseed rape, sunflower, cotton-seed, soybeans, peanuts, sesame etc.
	Pastes of tree nuts and oil seeds	Peanut butter, tahina, hazelnut paste
	Oils from tree nuts, oil seeds and oily fruits	Olive oil, rapeseed oil, sunflower oil, pumpkin seed oil
4b. High oil content and intermediate water content	Oily fruits and products	Olives, avocados and pastes thereof
5. High starch and/or protein content and low water and fat content	Dry legume vegetables/pulses	Field bean, dried broad bean, dried haricot bean (yellow, white/navy, brown, speckled), lentils
	Cereal grain and products thereof	Wheat, rye, barley and oat grain; maize, rice Wholemeal bread, white bread, crackers, breakfast cereals, pasta
6. “Difficult or unique commodities”		Hops Cocoa beans and products thereof, coffee, tea Spices



Activity Programme 2017

B - DEVELOPMENT AND VALIDATION OF ANALYTICAL METHODS

B1. Development of validated procedures (including the use of new instrumentation)



B.1.6 Development of a CEN standardised method for liquid chromatography coupled to accurate mass spectrometry

B.1.7 Update of the “components map” for typical representative commodities of each commodity group in Document SANTE/11945/2015.

B.1.8 Update of the GC-Q-TOF-MS database of exact masses of pesticide fragments in EI mode and development of a GC-Q-TOF-MS database in NCI mode. Validation of the corresponding screening methods.

Activity Programme 2017

B - DEVELOPMENT AND VALIDATION OF ANALYTICAL METHODS

B1. Development of validated procedures (including the use of new instrumentation)

B2. Follow-up of the implementation of the developed methods by the Official Laboratories.

EURL



Activity Programme 2017

B - DEVELOPMENT AND VALIDATION OF ANALYTICAL METHODS

B1. Development of validated procedures (including the use of new instrumentation)

B2. Follow-up of the implementation of the developed methods by the Official Laboratories.

B3. Publication of technical reports and scientific papers.



Activity Programme 2017

B - DEVELOPMENT AND VALIDATION OF ANALYTICAL METHODS



You are here: [Home](#) : Pesticides in Fruits and Vegetables

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[EURL for Cereals and Feeding Stuff](#)

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[EURL for Single Residue Methods](#)

Topics

 **EURL-FV Network**
April-2014 Updated

Proficiency Tests

EU-RT-FV16
EUPT-FV-T02
EUPT-FV-16
EUPT-FV-SM06
EUPT-FV-15
EUPT-FV-SM05
EUPT-FV-T01
EUPT-Panel Meeting
EUPT-FV Archive

Workshops

2014 FV-Workshop
Workshop Overview
EURL Webinars
Trainings

Method information and validation data (EURL-FV)

- [EURL-FV \(2013-M11\) | Determination of pesticide residues in avocado and almond by liquid and gas chromatography tandem mass spectrometry](#)
- [EURL-FV \(2013-M10\) | Accurate Mass Pesticide Database by GC-HRMS \(Updated December 2013\)](#)
- [EURL-FV \(2013-M9\) | Validation data of five selected pesticides using QuEChERS by liquid chromatography tandem mass spectrometry](#)
- [EURL-FV \(2013-M8\) | Pesticide analysis in teas and chamomile by liquid chromatography and gas chromatography tandem mass spectrometry](#)
- [EURL-FV \(2012-M7\) | Accurate mass pesticide database by LC-HRMS](#)

Activity Programme 2017

C -QUALITY ASSURANCE AND QUALITY CONTROL PROGRAMME, INCLUDING THE ORGANISATION OF PROFICIENCY TESTS AND INTERCOMPARATIVE STUDIES.

C1. Update of EU Guidelines on Quality Control Procedures.

**ANALYTICAL QUALITY CONTROL
AND METHOD VALIDATION PROCEDURES
FOR
PESTICIDE RESIDUES ANALYSIS
IN FOOD AND FEED**

Revision SANTE/11945/2015

Activity Programme 2017

C -QUALITY ASSURANCE AND QUALITY CONTROL PROGRAMME, INCLUDING THE ORGANISATION OF PROFICIENCY TESTS AND INTERCOMPARATIVE STUDIES.

C1. Update of EU Guidelines on Quality Control Procedures.

C2. Organisation and Development of Proficiency Tests and Intercomparative studies.

C2.1 Development and conduction of EUPT-FV19.



C2.2 EU Intercomparative Study on Mass Spectrometry Screening Methods 09 (EUPT-FV-SM09).

C2.3 EU Intercomparative Study on special commodities (baby food, spices, fresh herbs)

C2.4 Ring Test of certified standard solution of EUPT-FV19 (EU-RT-FV19).



Activity Programme 2017

D - TECHNICAL AND SCIENTIFIC SUPPORT TO DG SANTE, EU MEMBER STATES AND THIRD COUNTRIES INCLUDING THE ORGANISATION OF COURSES AND WORKSHOPS.

D1.2 Joint EURL-SRM/FV/CF/AO Workshop 2017 for Pesticide Residues.

Freiburg September 2017



Activity Programme 2017

D - TECHNICAL AND SCIENTIFIC SUPPORT TO DG SANTE, EU MEMBER STATES AND THIRD COUNTRIES INCLUDING THE ORGANISATION OF COURSES AND WORKSHOPS.

D1.1 Joint EURL-SRM/FV/CF/AO Workshop 2017 for Pesticide Residues.

D2. Advisory Group Expert Meeting





Activity Programme 2017

D - TECHNICAL AND SCIENTIFIC SUPPORT TO DG SANTE, EU MEMBER STATES AND THIRD COUNTRIES INCLUDING THE ORGANISATION OF COURSES AND WORKSHOPS.

D1. Joint EURL-SRM/FV/CF/AO Workshop for Pesticide Residues.

D2. Advisory Group Expert Meeting

D3. Technical assistance to DG SANTE.

D3.1. Support to COM and EFSA

D3.2. Assistance to COM in drawing up the coordinated multiannual control programme of the Union.

Activity Programme 2017

D - TECHNICAL AND SCIENTIFIC SUPPORT TO DG SANTE, EU MEMBER STATES AND THIRD COUNTRIES INCLUDING THE ORGANISATION OF COURSES AND WORKSHOPS.

D1. Joint EURL-SRM/FV/CF/AO Workshop for Pesticide Residues.

D2. Advisory Group Expert Meeting

D3. Technical assistance to DG SANCO.

D3.1. Support to COM and EFSA

D3.2. Assistance to COM in drawing up the coordinated multiannual control programme of the Union.

D4. Training for the NRLs.

Activity Programme 2017

D - TECHNICAL AND SCIENTIFIC SUPPORT TO DG SANTE, EU MEMBER STATES AND THIRD COUNTRIES INCLUDING THE ORGANISATION OF COURSES AND WORKSHOPS.

D5. Assistance to non-EU Countries.

EUPTs-FV

Workshops



Activity Programme 2017

D - TECHNICAL AND SCIENTIFIC SUPPORT TO DG SANTE, EU MEMBER STATES AND THIRD COUNTRIES INCLUDING THE ORGANISATION OF COURSES AND WORKSHOPS.

D5. Assistance to Third Countries.

D6. Webinars



**Thank You
for Your Attention**



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