

# Pesticide Residues: European legislation

All information about pesticides can

- be downloaded from the homepage of the 4 EU-RLs for pesticide residues ([www.crl-pesticides.eu](http://www.crl-pesticides.eu)) or
- visitors will be forwarded to the special EU-pages
- MRLs for pesticide residues will follow: Regulation (EC) No 396/2005 of the European Parliament and of the Council of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC

396/2005 in all parts in force since 01.09.2008

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The screenshot shows the website interface for the Community Reference Laboratories for Residues of Pesticides. At the top, there are navigation tabs: CRL Portal, CRL for Fruits and Vegetables, CRL for Cereals and Feeding Stuff, CRL for Food of Animal Origin, and CRL for Single Residue Methods. The main content area is divided into several sections:

- Topics:** A sidebar menu with categories like General Info, AQC Procedures, Proficiency Tests, Workshops, and Library.
- Latest News:** A central section displaying three news items with dates and titles, such as "BLANK" SERVICE and 2010 CRL-CF Workshop and Training Day.
- Search:** A search bar with a "Go!" button.
- Quicklinks:** A list of useful links like CRL Data Pool and EU-MRLs Database.
- Pinboard:** A section for pinned messages, including EUPPT-FV-SM02 and EUPPT-SRM5.

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The screenshot shows a web browser window displaying the 'EUROPA - Plant Health - Plant Protection - Pesticides Residues - Community Legislation' page. The page title is 'Food Safety - From the Farm to the Fork'. The main content area is titled 'Plant Protection - Pesticide Residues - Community Legislation' and contains the following sections:

- Regulation (EC) No 396/2005 and amendments**
  - Regulation (EC) No 299/2008 of the European Parliament and of the Council of 11 March 2008 amending Regulation (EC) No 396/2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin, as regards the implementing powers conferred on the Commission
  - Regulation (EC) No 396/2005 of the European Parliament and of the Council of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC.
- Consolidated version**
- Annexes I, II, III, IV and VII**
  - Annex I
    - Commission Regulation (EC) No 178/2006 of 1 February 2006 amending Regulation (EC) No 396/2005 of the European Parliament and of the Council to establish Annex I listing the food and feed products to which maximum levels for pesticide residues apply.
  - Annexes II, III and IV
    - Commission Regulation (EC) No 1097/2009 of 16 November 2009 amending Annex II to Regulation (EC) No 396/2005 of the European Parliament and of the Council as regards maximum residue levels for dimethoate, ethion, fenamiphos, fenarimol, methamidophos, methomyl, omethoate, oxydemeton-methyl, procyimidon, thiodicarb and vinclozolin in or on certain products.
    - Commission Regulation (EC) No 1050/2009 of 28 October 2009 amending Annexes II and III to Regulation (EC) No 396/2005 of the European Parliament and of the Council as regards maximum residue levels for azoxystrobin, acetamiprid, clotanazole, cyflufenamid, emamectin benzoate, famoxadone, fenbutatin oxide, flufenoxuron, fluopicolide, indoxacarb, ixynil, mepanipyrim, prothioconazole, pyridaly, thiacloprid and trifloxystrobin in or on certain products.
    - Commission Regulation (EC) No 822/2009 of 27 August 2009 amending Annexes II, III and IV to Regulation (EC) No 396/2005 of the European Parliament and of the Council as regards maximum residue levels for azoxystrobin, atrazine, chlormequat, cyprodinil, dithiocarbamates, fludioxonil, fluroxypyr, indoxacarb, mandipropamid, potassium tri-iodide, spirotetramat, tetraconazole, and thiram in or on certain products.
      - Corrigendum to Commission Regulation (EC) No 822/2009

On the right side of the page, there are several navigation menus:

- Topics:** Introduction, Regulation (EC) No 396/2005, Community Legislation, Database on Pesticide MRLs, Pesticide residues, Community Reference Laboratories webpage, Setting of MRLs, Enforcement, Guidance Documents.
- Resources:** Press Releases, Consumer Voice, Newsletter, Publications.
- International Affairs:** Organisations, Codex, OIE, WTO, Import Conditions, Pets and Animal Welfare, Enlargement, Agreements, EU - Russia: SPS issues.

At the bottom of the page, there are buttons for 'FOOD AND FEED SAFETY', 'ANIMAL HEALTH AND WELFARE', 'PLANT HEALTH', and 'FVO INSPECTIONS'.

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The screenshot shows the 'EU Pesticides database' website. The page features a blue header with the EU flag and the text 'EU Pesticides database'. Below the header, there are navigation links for 'Homepage', 'Search', and 'Download'. The main content area is divided into two columns:

- Active substances**
  - Directive 91/414/EEC
  - Active substance
  - Active substance updated on 26/04/2010
- Pesticide EU-MRLs**
  - Regulation (EC) No 396/2005
  - Products
  - Pesticides
  - MRLs updated on 02/12/2009

In the center, there are three icons representing a person, a plant, and a fruit. Below the icons, the text reads 'Directorate General for Health & Consumers'. At the bottom of the page, there is a disclaimer:

**Disclaimer**  
This database is made available solely for the purpose of information. It has no legal value. The Commission declines all responsibility or liability whatsoever for errors or deficiencies in this database. Neither the Commission nor any person acting on behalf of the Commission is responsible with regard to the improper use of the document and its contents. The official MRLs are those published in the Official Journal of the European Union (Plant Protection - Pesticide Residues - Community Legislation).

At the very bottom, it says 'DG SANCO 2008 - Page generated in 0.97 seconds'.

# Pesticide Residues: European legislation

The screenshot shows the EU Pesticides database interface. The page title is "EU Pesticides database". Below the title, there are navigation links for "Homepage", "Search", and "Download". The main content area displays a table of pesticide residues and maximum residue levels (mg/kg) for "Milk and cream, not concentrated, nor containing added sugar or sweetening matter, butter and other fats derived from milk, cheese and curd". The table is organized into sections 1, 2, and A. Section 1 lists 1,1-dichloro-2,2-bis(4-ethylphenyl)ethane (P) at 0,01\* and 1,2-dichloroethane (ethylene dichloride) (P) at 0,1\*. Section 2 lists 1,3-dichloropropane at 0,01\*, 1-chloroacetamide at 0,05\*, and 1-naphthylacetic acid at 0,05\*. Section A lists various pesticides including Abamectin (sum of avermectin B1a, avermectin B1b and delta-8,9 isomer of avermectin B1a) (P) at 0,005\*, Acephate at 0,02\*, Acequinolyl at 0,01\*, Acetamiprid (B) at 0,05\*, Acetochlor at 0,01\*, Acbenzolar-S-methyl (sum of acbenzolar-S-methyl and acbenzolar acid (CGA 210007) expressed as acbenzolar-S-methyl) at 0,02\*, Aldinfein at 0,02\*, Atrazathrin (P) at 0,05\*, Alachlor at 0,01\*, Aldicarb (sum of aldicarb, its sulfoxide and its sulfone, expressed as aldicarb) at 0,01\*, Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin) (P) at 0,006, Amidosulfuron at 0,01\*, Aminopyralid at 0,02, Anilazine at 0,05\*, Aramite (P) at 0,01\*, Asulam at 0,1, Azadirachtin at 0,01\*, and Annihicethyl (P) at 0,01\*.

Pesticide	Maximum residue level (mg/kg)
1,1-dichloro-2,2-bis(4-ethylphenyl)ethane (P)	0,01*
1,2-dichloroethane (ethylene dichloride) (P)	0,1*
1,3-dichloropropane	0,01*
1-chloroacetamide	0,05*
1-naphthylacetic acid	0,05*
2,4-DB	0,01*
2,4-D (sum of 2,4-D and its esters expressed as 2,4-D)	0,01*
Abamectin (sum of avermectin B1a, avermectin B1b and delta-8,9 isomer of avermectin B1a) (P)	0,005*
Acephate	0,02*
Acequinolyl	0,01*
Acetamiprid (B)	0,05*
Acetochlor	0,01*
Acbenzolar-S-methyl (sum of acbenzolar-S-methyl and acbenzolar acid (CGA 210007) expressed as acbenzolar-S-methyl)	0,02*
Aldinfein	0,02*
Atrazathrin (P)	0,05*
Alachlor	0,01*
Aldicarb (sum of aldicarb, its sulfoxide and its sulfone, expressed as aldicarb)	0,01*
Aldrin and Dieldrin (Aldrin and dieldrin combined expressed as dieldrin) (P)	0,006
Amidosulfuron	0,01*
Aminopyralid	0,02
Anilazine	0,05*
Aramite (P)	0,01*
Asulam	0,1
Azadirachtin	0,01*
Annihicethyl (P)	0,01*

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All fine, good and easy?

- Traps set for food in animal origin by Commission Regulation (EC) No 178/2006 of 1 February 2006 amending Regulation (EC) No 396/2005 of the European Parliament and of the Council to establish Annex I listing the food and feed products to which maximum levels for pesticide residues apply.
- For some food of animal origin MLRs are set on fat base and for others on fresh weigh
- Depending on the fat content of the product analysed for fat soluble substances the residue level must be calculated either on fresh weigh or fat base
  - (e.g. eggs: < 10 % of fat -> fresh weigh; > 10 % of fat on fat base)

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## Traps, continued

- Important information is published in foot notes, only
- In case of milk: foot note 6 will confuse people
- EU-RL AO works on a solution in behave of the Commission

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## Foot note 6 (milk and milk products)

### **Water soluble:**

- Where the pesticide and/or metabolites (included in the residue definition) is /are water soluble (log Pow less than 3) the MRL is expressed as mg/kg of milk and milk products.

### **Fat soluble:**

- Where the pesticide and/or metabolite (included in the residue definition) is/are fat soluble (log Pow greater than or equal to 3) the MRL is expressed as mg/kg of cow's milk and whole cream cow's milk.
- In determining the residues in raw cow's milk and whole cream cow's milk, a fat content of 4 % by weight should be taken as a basis.
- For raw milk and whole cream milk of another animal origin the residues are expressed on the basis of the fat.

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Foot note 6 (milk and milk products)

## **Fat soluble, continued:**

- For the other foodstuffs listed with a fat content of less than 2 % by weight, the maximum level is taken as half that set for raw milk and whole cream milk.
- For the other foodstuffs listed with a fat content of 2 % or more by weight, the maximum level is expressed in mg/kg of fat. In such cases, the maximum level is 25 times that set for raw milk and whole cream milk.
- **The latter does not apply when the MRL is set at the LOD.**

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.....*Foot note 6 (milk and milk products)*

**I am sure that you are still confused**

**..... *But I hope on a higher level than before***

