SPECIFIC MEASURES TAKEN IN BELGIUM WITH RESPECT TO DIOXINS IN FEED.

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DG Control policy
• As a consequence of the dioxin crisis in Belgium in 1999, several national measures were taken in order to control this risk (RD 18 November 1999).

• Those measures were amended, following to the dioxin incident that broke out in Belgium in 2006 (RD of 1 July 2008).
1) Ban on recycled frying oils:

- Ban of the recycled frying oils
  - In Belgium by RD of 08/02/1999 (vegetable oils)
  - In Europe by Regulation 1774/2002 (animal by-products)
2.1) Critical feed : definition

- Critical raw materials:
  - animal fats
  - fish meals, fish solubles and fish oils

- Critical additives
  - E559 kaolinite,
  - E561 vermiculite,
  - E566 natrolite-phonolite,
  - E568 clinoptinolite,
  - E598 calcium aluminates
2.2) Critical feed: systematic analysis

- Each operator who puts a critical feed on the Belgian market have to:
  - be authorized
  - carry out an analysis of dioxin and PCB like dioxin of each consignment
    - 3 x 500g for each consignment
    - Lot max 200 tons (critical raw material)
    - Sampling by an accredited body (ISO17020 or ISO17025)
    - Analysis performed by an approved or accredited laboratory
2.3) Critical feed: check sample

- Each operator who uses critical feed shall keep:
  - a 500 g sample, representative of each batch, during at least 6 months for critical feed
  - until the limit of consumption (at least 3 months) for compound feed

- Regulation 183/2005 later enforced to keep a check sample of any ingredient and compound feed produced, but without specifying the size and period.

- A compound feedingstuffs producer may not possess batches of critical feed without an analysis report
  - Exception for import product
3) Impact of the measure:

• Calux analysis (Dioxin and dioxin-like PCBs):
  – price: 260 € (emergency price x 1.5)
  – duration: 5 days (in case of emergency: 2 to 4 days)

• GCMS analysis (dioxin and dioxin-like PCBs):
  – price: 437 to 463.5 €, (emergency price 550 € to 660 €)
  – duration: 5 days (in case of emergency: 2 to 5 days)

• 200 tons batch fat → 1.3 €/ton fat (0.19 % of the fat value)
• Compound feedingstuff: 1 to 7% incorporation → 0.013 at 0.091 €/ton feed
4) **Traceability** (in addition to European requirements):

- Specific registers are required for operators who put critical feed on the Belgian market; in those registers the storage places of bulk products are mentioned.

- In Belgium the sales register of compound feedingstuffs shall mention the herd number of the buyer.
5) Notification by laboratories

• Belgium enforces as a general rule the compulsory notification by laboratories and not only by the operator.
## 6.1) FASFC official controls 2010 in feed
(not definitive numbers)

<table>
<thead>
<tr>
<th>Number of analyses</th>
<th>Compound feeding stuffs</th>
<th>Additives</th>
<th>Raw materials</th>
<th>Premixes</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB</td>
<td>500</td>
<td>32</td>
<td>190</td>
<td>127</td>
<td>849</td>
</tr>
<tr>
<td>Dioxin-like PCBs</td>
<td>37</td>
<td>32</td>
<td>81</td>
<td>18</td>
<td>168</td>
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<tr>
<td>Dioxin</td>
<td>456</td>
<td>159</td>
<td>443</td>
<td>118</td>
<td>1176</td>
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### 6.2) Sectorial sampling plan 2010 (feed)

<table>
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<th>Number of analyses</th>
<th>Compound feeding stuffs</th>
<th>Additives</th>
<th>Raw materials</th>
<th>Premixes</th>
<th>Total</th>
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</thead>
<tbody>
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<td>PCB</td>
<td>0</td>
<td>18</td>
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<td>22</td>
<td>99</td>
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<tr>
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<td>58</td>
<td>96</td>
<td>22</td>
<td>176</td>
</tr>
</tbody>
</table>
Question?

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