



Bundesministerium für
Ernährung, Landwirtschaft
und Verbraucherschutz

Dioxin in Feed Fats from Schleswig-Holstein

Situation Report of the Federal
Government
&
First Conclusions

As per 10. January 2011

Outline

- State of play
 - Feed fats
 - Compound feedingstuffs
- Results of the investigation
- Regulatory action
- Conclusions

Trigger:

Self-checking of a compound feed producer:

1,56 ng/kg PCDD/F – WHO TEQ

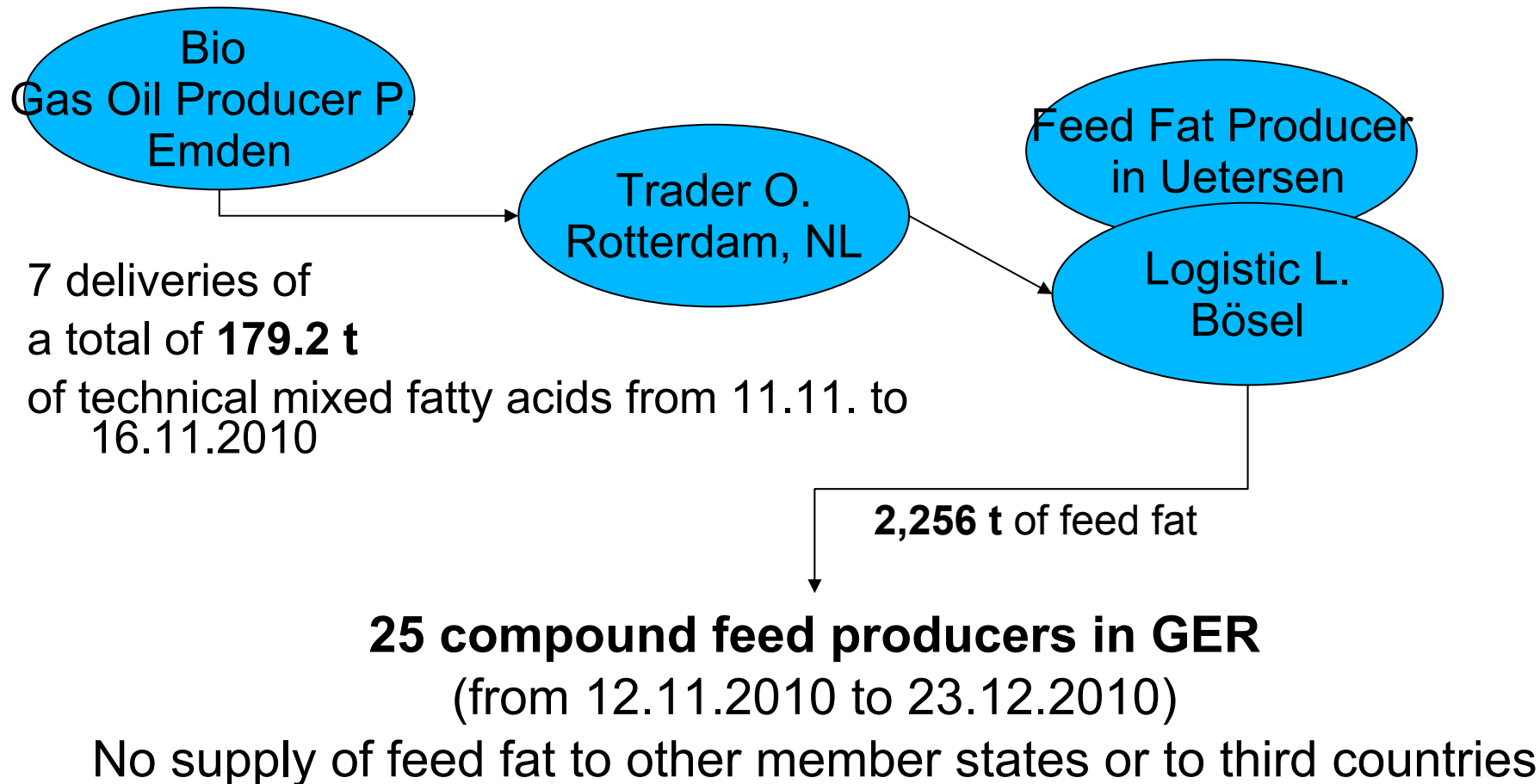
Compound feed, produced using feed fat from the feed fat manufacturer in Uetersen

Analytical findings on 21.12.2010

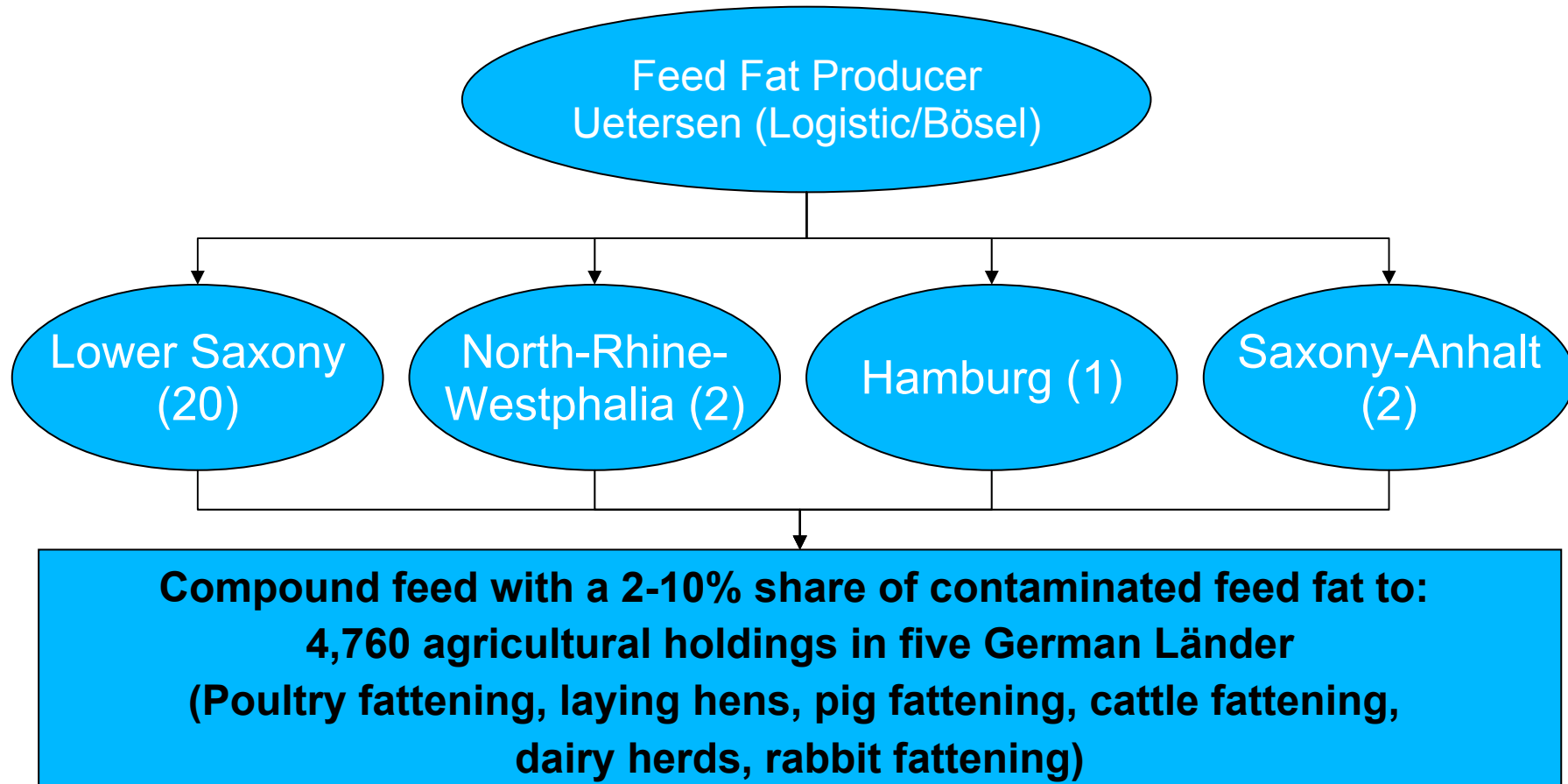
Information of the authority on 22.12.2010

Cause: Contaminated feed fat

Technical fats => Feed fats



Feed fats => compound feed



Analytical findings of the reserve samples of the Feed Fat plant in Uetersen (as per 5.1.2011)

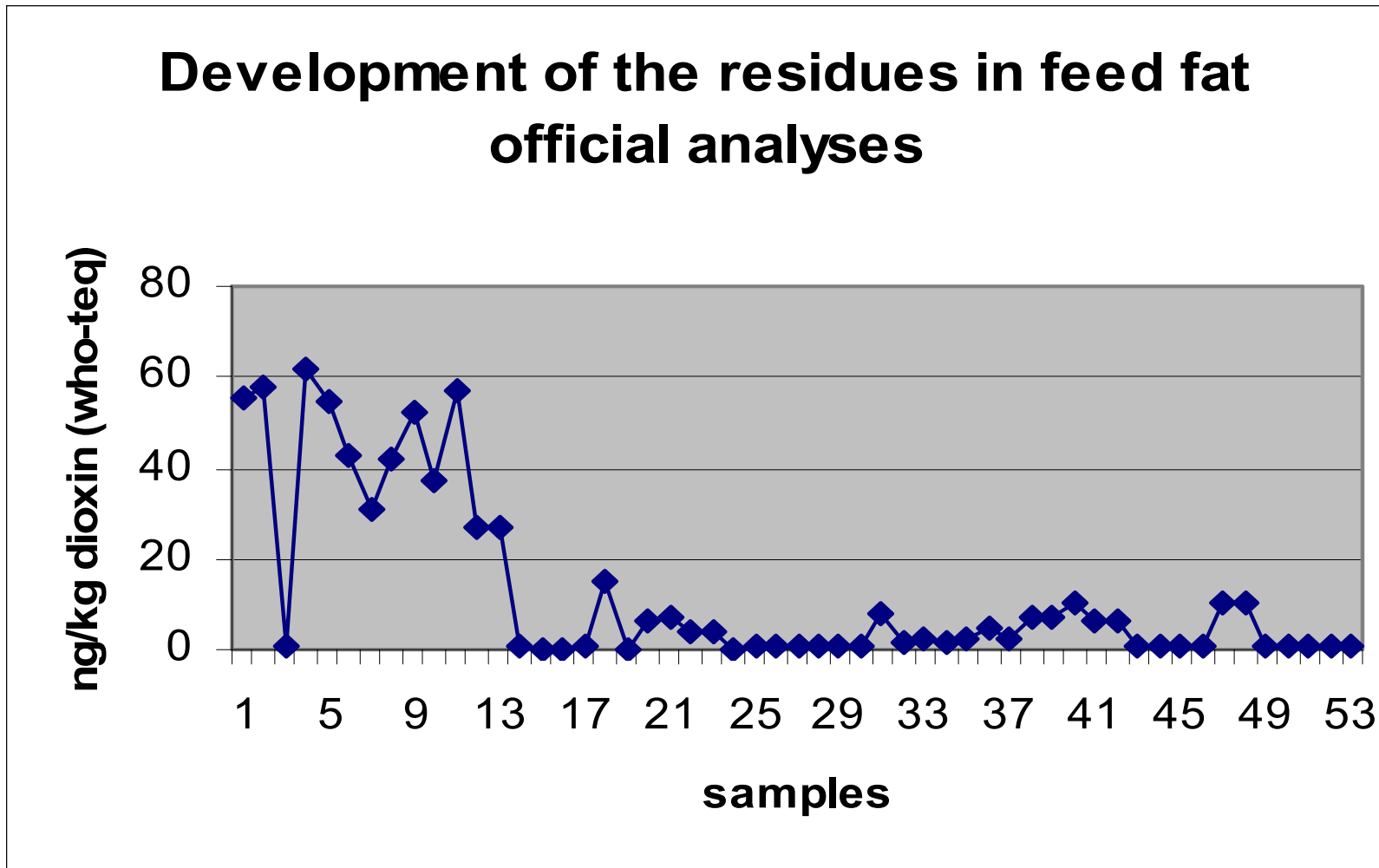
Date of Delivery	Quantity in t	Name	Initial testing		Subsequent testing	
			Dioxin ng/kg TE- WHO	Total Dioxin dl- PCB ng/kg TE-WHO	Dioxin ng/kg TE- WHO	Total Dioxin dl-PCB ng/kg TE-WHO
11.11.2010	26.36	Technical mixed fatty acid	123.00	124.00	90	91
12.11.2010	25.14	Technical mixed fatty acid	141.00	142.00	140	141
19.11.2010	27.00	Technical mixed fatty acid	150.00	151.00		
25.11.2010	25.72	Technical mixed fatty acid	149.00	150.00		
1.12.2010	24.68	Technical mixed fatty acid	2.27	2.87		
3.12.2010	24.32	Technical mixed fatty acid	2.43	2.69		
7.12.2010	26.70	Technical mixed fatty acid	2.01	2.46		
Total	179.92					

Results of the Investigation

Analytic results of the manufactured feed fats following the inspection of the reserve samples of the feed fat plant (as per 6.1.2011).

Article	Quantity in Menge in kg	Date of Liefedelivery	Dioxine in ng PCDD/F - WHO - TEQ/kg
10532	27,000	25.11.2010	6,99
10530	7,880	25.11.2010	36,000
10530	11,220	15.12.2010	0,648
10530	10,040	15.12.2010	0,648
10530	10,680	20.12.2010	0,621
10596	25,720	23.12.2010	0,433
HJ 15 SRP	26,960	12.11.2010	7,87
HJ 15 SRP	27,500	12.11.2010	1,05
HJ 15 SRP	27,260	16.11.2010	3,78
HJ 15 SRP	27,600	16.11.2010	8,07
HJ 15 SRP	27,320	19.11.2010	5,24
HJ 20 P	26,320	12.11.2010	0,501

Item	Quantity in kg	Date of delivery	Dioxins in ng PCDD/F - WHO - TEQ/kg
HJ 20 P	26,600	16.11.2010	0.906
HJ 20 P	26,460	19.11.2010	4.36
HJ 20 P	27,380	13.11.2010	11.7
HJ 20 P	27,280	20.11.2010	4.3
HJ 25 SRP	26,910	15.11.2010	10.5
HJ 25 SRP	26,980	17.11.2010	0.586
HJ 15 SRP	27,290	19.11.2010	12.8
HJ 25 SRP	25,440	16.11.2010	16.7
HJ 25 SRP	9,980	16.11.2010	28.7
HJ 2 SRP	10,000	18.11.2010	6.95
HJ 25 SRP	26,420	19.11.2010	7.56
HJ 2 SRP	7,880	25.11.2010	36.00
HJ 2 SRP	25,000	17.11.2010	0.561



Anl.3

<i>Nr.</i>	<i>Mischfuttermittel</i>	<i>Dioxin in ng PCDD/F - WHO - TEQ/kg</i>	<i>Summe Dioxine und dl PCB in ng PCDD/F und PCB WHO - TEQ/kg</i>
MF 1001.00/11	Legehennenfutter	0,122 (+/- 0,018)	-
MF 1002.00/11	Ferkelaufzuchtfutter	0,130 (+/- 0,020)	-
MF 1007.00/11	Ergänzungsfuttermittel Milchkühe	0,044 (+/- 0,007)	-
MF 1008.00/11	Alleinfuttermittel für Legehennen	0,048 (+/- 0,007)	-
MF 1009.00/11	Alleinfuttermittel für Legehennen	0,057 (+/- 0,009)	-
MF 1010.00/11	Alleinfuttermittel für Legehennen	0,054 (+/- 0,008)	-
MF 1106.00/11	Pflanzenöl	0,313 (+/- 0,05)	-
MF 1011.00/11	Alleinfuttermittel Zuchtsauen	0,063 (+/- 0,009)	-
MF 1012.00/11	Ergänzungsfuttermittel Zuchtschweine	0,214 (+/- 0,032)	-
MF 1013.00/11	Alleinfuttermittel Zuchtsauen	0,328 (+/- 0,049)	-
MF 1014.00/11	Alleinfuttermittel Zuchtsauen	0,065 (+/- 0,010)	-
MF 1015.00/11	Ergänzungsfuttermittel Mastschweine	0,065 (+/- 0,010)	-
MF 1016.00/11	Ergänzungsfuttermittel Milchkühe	0,056 (+/- 0,008)	-
00111 / 00211	Broilerendmastfutter	0,41 (+/- 0,12)	0,51 (+/- 0,15)
00311 / 00411	Ferkelaufzuchtfutter II	0,086 (+/- 0,026)	0,156 (+/- 0,047)

Test results for eggs (as per 8.1.2011)

Number of samples	Number of samples with concentrations below the action level	Number of samples with concentrations above the action level and below the maximum residue level	Number of samples with concentrations above the maximum residue level of 3 pg WHO-PCDD/F-TEQ per g Fett	
57	21	18	18	
			3-6 pg/g	14 [78%]
			6-12 pg/g	3 [16%]
			>12 pg/g	1 [6%]

Results of the Investigation

Test results for laying hens (as per 8.1.2011)

Federal Land	Number of samples	Number of samples above the maximum residue level
North-Rhine-Westphalia	1	1
Total	1	1

Test results for chickens for fattening (as per 8.1.2011)

Federal Land	Number of samples	Number of samples above the maximum residue level
Hessia	3	0
Total	3	0

Test results for fattening turkeys (as per 10.1.2011)

Federal Land	Number of samoles	Number of samoles above the maximum residue level
Lower saxony	1	0
North-Rhine-Westphalia	3	0
Total	4	0

Results of the Investigation

Test results for pigs (as per 10.1.2011)

Federal Land	Number of samples	Number of samples above the maximum residue level
<i>Lower Saxony</i>	1	0
Northrhine-Westfalia	8	0
<i>Saxona -Anhaltina</i>	4	0
Total	13	0

Test results for cow milk (as per 10.1.2011)

Federal Land	Number of samples	Number of samples above the maximum residue level
<i>Lower Saxony</i>	6	0
Northrhine-Westfalia n	10	0
Total	16	0

Test results for cattle (as per 10.1.2011)

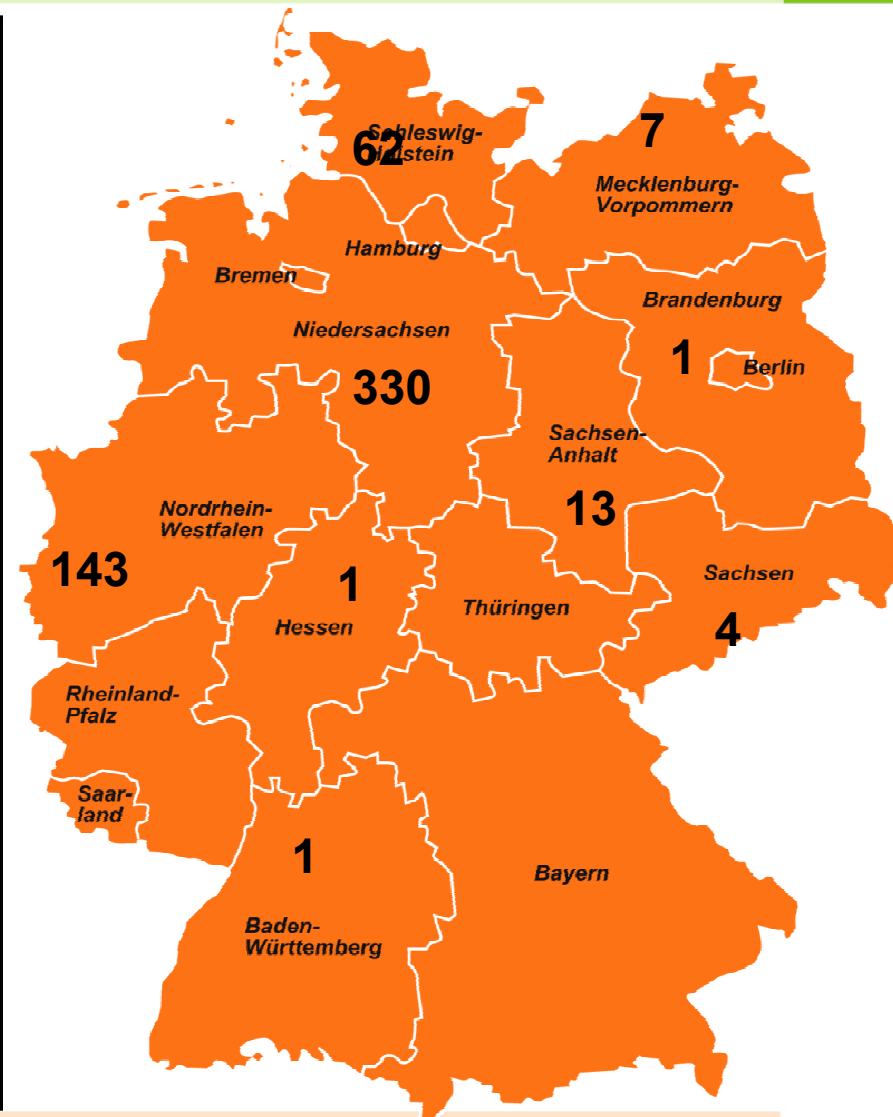
Federal	Number of samples	Number of samples above the maximum residue level
<i>Lower Saxony</i>	<i>1</i>	<i>0</i>
Total	1	0

Regulatory action prior to the lifting of restrictions on closed farms

- Analysis of reserve samples of feedingstuffs and feed fats
- Analysis of foods
- Calculation of the dioxin levels of feed batches already consumed
- Linking feed batches to holdings on the basis of supply data
- Cross-linking this information to produce individual risk assessments

Regulatory Action II

Federal Land	Closed farms As per: 10.1.2011
Baden-Wuerttemberg	1
Bavaria	0
Berlin	0
Brandenburg	1
Bremen	0
Hamburg	0
Hessen	1
Mecklenburg-Western Pomerania	7
Lower Saxony	330
North Rhine-Westphalia	143
Rhineland-Palatinate	0
Saarland	0
Saxony	4
Saxony-Anhalt	13
Schleswig-Holstein	62
Thuringia	0
Total	558



Regulatory Action III

**Information on the scope of the closure of agricultural holdings in Germany,
As per: 10.1.2011, 19:00 hrs**

Name of the Land	As per	Type of production								Total
		Laying hens	Chickens for fattening	Fattening turkeys	Pigs	Dairy cattle	Fattening cattle	Fattening rabbit	Ducks/geese	
Baden-Wuerttemberg	9.1.2010							1		1
Bavaria	9.1.2010									0
Berlin	9.1.2010									0
Brandenburg	9.1.2010		1							1
Bremen	9.1.2010									0
Hamburg	9.1.2010									0
Hessen	9.1.2010				1					1
Mecklenburg-Western Pomerania	9.1.2010			5	2					7
Lower Saxony	9.1.2010	33	27	112	158					330
North Rhine-Westphalia	9.1.2010	3		5	118	9	8			143
Rhineland-Palatinate	9.1.2010									0
Saarland	9.1.2010									0
Saxony	9.1.2010									0
Saxony-Anhalt	9.1.2010	3	4		6					13
Schleswig-Holstein	9.1.2010			1	61					62
Thuringia	9.1.2010		1							1
Total		39	32	123	346	9	8	1	0	558

Dr. Michael Winter

- **Separation of product flows**
Separate the processing of technical fats which are possibly contaminated from the processing of fats which are intended for the feed chain and eventually for the food chain
- **More stringent requirement of official approval for holdings which supply raw materials to the feed industry**
- **Binding positive list for individual feedingstuffs at European level**

- Put rules on liability for sanctions to the test

Effects of such incidents

- No longer only local, but also supraregional and sometimes even global
- With regard to both health and macroeconomic adverse impacts.
- Entire industries affected and adversely impacted without being responsible for any culpable negligence

- Continue to reinforce dioxin monitoring
 - Record the contamination situation even better
 - Aim to integrate all test results, including the self-checking of companies