

# **Ongoing and planned risk assessment activities on PFAS in Germany (related to food and feed)**

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# Monitoring of PFAS in food and feed

- ✓ Assessment of PFAS monitoring results 2007 – 2020 (BfR Opinion No 020/2021)<sup>1</sup>
- ✓ Since 2021 monitoring of PFAS in **eggs**, **fish** (pike, carp, salmon, canned tuna, codfish), **liver** (lamb/sheep, cattle), **meat** (wild boar), **wild mushrooms**

→ PFAS in eggs, (BVL monitoring 2021)<sup>2</sup>

Food group	Number of samples		mean	median	90 <sup>th</sup> percentile	max
	total	> LOQ	Sum of PFOA, PFOS, PFHxS and PFNA, lower bound, µg/kg			
Eggs total	133	47	0.101	0	0.340	2.300
Deep-litter eggs	32	3	0.018	0	0	0.465
Free-range eggs	55	27	0.175	0	0.470	2.300
Organic farming	22	10	0.121	0	0.340	0.650

- ✓ Collection of occurrence data on PFAS in **raw peeled** and **unpeeled potatoes** (ongoing, planned for data collection in 2024)
- ✓ Implementation of a national monitoring plan of PFAS in **feed** in Germany in 2022/2023:
  - 2022: grass silage (50 samples), corn silage (50 samples)
  - 2023: rapeseed extraction meal (50 samples), whole wheat (50 samples)

1. DOI 10.17590/20210914-121236

2. [https://www.bvl.bund.de/SharedDocs/Downloads/01\\_Lebensmittel/01\\_Im\\_mon\\_dokumente/01\\_Monitoring\\_Berichte/2021\\_lm\\_monitoring\\_bericht.pdf?\\_\\_blob=publicationFile&v=3](https://www.bvl.bund.de/SharedDocs/Downloads/01_Lebensmittel/01_Im_mon_dokumente/01_Monitoring_Berichte/2021_lm_monitoring_bericht.pdf?__blob=publicationFile&v=3)

# Recent requests addressed to BfR related to risk assessments and food

- ✓ BfR-Evaluation of questions concerning the **occurrence of PFAS in cereals and grazing land** in contaminated areas in certain regions in Baden-Württemberg (01/2021)
- ✓ Contribution to questions with regard to food law issues „Bund-Länder-Projektgruppe PFAS“ (ongoing)
- ✓ BfR-Opinion on **Relative Potency Factors (RPF) for the evaluation of PFAS** (RIVM 2021) „Memorandum on the implementation of the EFSA sum TWI of PFASs“ (06/2021)
- ✓ **Exposure assessment of PFAS** (PFOS, PFOA, PFNA und PFHxS) via intake of different **fish** species and **seafood** (9/2022)
- ✓ Toxicological evaluation of **H<sub>4</sub>PFOS** (6:2-fluor telomer sulfonic acid) (11/2022)
- ✓ Health **risk assessment** on PFAS in **hen eggs** based on current occurrence data in Germany (ongoing)

# Requests addressed to BfR related to PFAS transfer and environment

- ✓ Data collection on PFAS in **liver of wild boar** (ongoing)
- ✓ **Transfer studies** of PFAS from feed into food of animal origin (ongoing, 2023 sheep, goats, fattening chicken)
- ✓ BfR-Opinion on the „German opinion on the introduction of EU maximal levels for PFAS in food and on the EU monitoring recommendation for PFAS in feed and food“ to the EU-KOM concerning feed and food of animal origin, August 30<sup>th</sup> 2021
- ✓ Evaluation of the OECD-Document „Fact Cards of Major Groups of Per- and Polyfluoroalkyl Substances (PFASs) – ENV/CBC/WRPR(2021)52“ with regard to statements on feed, October 13<sup>th</sup> 2021
- ✓ BfR-Comments on a report of the PFAS coordination group „Questions to the consistent derivation of criteria to assess ground water and surface water as well as soil in consideration of new recommendations by EFSA“, mandate of the Umweltministerkonferenz, September 6<sup>th</sup> 2021
- ✓ Nomination of contributor to the Ad hoc-AG „Prüfwerte-Ableitung PFAS / Direktpfad“ at German Environment Agency, September 8<sup>th</sup> 2022