

Lebensmittelbestrahlung

Dr. Stephan Barth und Dr. Mario Stahl

Ernährungs Umschau 54 (2007), S. B13 ff.

Literatur

1. Anon. (1986) *Bibliographie zur Bestrahlung von Lebensmitteln, Berichte der Bundesforschungsanstalt für Ernährung. Bundesforschungsanstalt für Ernährung BFE, Karlsruhe, (Deutschland), 1–48*
2. Diehl JF (1995) *Safety of Irradiated Foods*. (2. Ed.), Marcel Dekker, Inc., New York (USA). 454 p.
3. EU Kommission (1999) *Richtlinie 1999/2/EG des europäischen Parlaments und des Rates vom 22. Februar 1999 zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über mit ionisierenden Strahlen behandelte Lebensmittel und Lebensmittelbestandteile*. Amtsblatt der Europäischen Gemeinschaften L 66, 16–22
4. EU Kommission (1999) *Richtlinie 1999/3/EG des europäischen Parlaments und des Rates vom 22. Februar 1999 über die Festlegung einer Gemeinschaftsliste von mit ionisierenden Strahlen behandelten Lebensmitteln und Lebensmittelbestandteilen*. Amtsblatt der Europäischen Gemeinschaften L 66, 24–25
5. Anon. (1990) *Bericht der Bundesregierung über die Behandlung von Lebensmitteln mit ionisierenden Strahlen*. Drucksache 11/7574, Deutscher Bundestag, 31 p
6. Anon. (2005) *Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch (LFGB)*. (+++ Stand: Neugefasst durch Bek. v. 26.4.2006 I 945 +++). LFGB, 58 p
7. BVL (2006) *Bekanntmachung einer Allgemeinverfügung gemäß § 54 des Lebensmittel- und Futtermittelgesetzbuchs (LFGB) über das Verbringen und Inverkehrbringen von tiefgefroren mit ionisierenden Strahlen behandelten Froschschenkeln (BVL 06/01/022)*. Vom 15. Juni 2006. Bundesanzeiger Nr. 116, 4665
8. BVL (1999) *Bekanntmachung einer Allgemeinverfügung gemäß § 47 a des Lebensmittel- und Bedarfsgegenständegesetzes für das Inverkehrbringen einer Frischkäsezubereitung mit bestrahlten Gewürzen*. Zu Nr. 1999-013-00. Vom 18. November 1999
9. BVL (1997) *Bekanntmachung einer Allgemeinverfügung gemäß § 47 a des Lebensmittel- und Bedarfsgegenständegesetzes über die Einfuhr und das Inverkehrbringen von bestimmten mit ionisierenden Strahlen behandelten Gewürzen, die zur Weiterverarbeitung bestimmt sind*. Zu Nr. 1997-005-00. Vom 10. März 1997
10. EU Kommission (2006) *Bericht der Kommission über die Bestrahlung von Lebensmitteln 2004*. Amtsblatt der Europäischen Union C 230 (08), 28–45
11. Delincée H, Straub I (2007) *Nachweismethoden für bestrahlte Lebensmittel*. Handbuch der Lebensmitteltoxikologie. Belastungen, Wirkungen, Lebensmittelsicherheit, Hygiene. Band 1. Dunkelberg H, Gebel Th, Hartwig A, (14), 397–438
12. Codex Alimentarius Commission (2003) *Recommended International Code of Practice for Radiation Processing for Food*. CAC/RCP 19-1979, Rev. 2-2003, FAO, Rome (Italy), 4–10
13. Ehlermann DAE (2002) *Hindernisse bei der Einführung der Lebensmittelbestrahlung*. XXXX 313–316
14. SCF (2003) *Revision of the opinion of the Scientific Committee on Food on the irradiation of food (expressed on 4 April 2003)*. SCF/CS/NF/IRR/24 Final, European Commission, Health and Consumer Protection Directorate-General, Brussels (Belgium), 24 p.
15. SCF, Elias PS, Elton G, Hildebrandt AG et al. (1986) *Bericht des wissenschaftlichen Lebensmittelausschusses über "Strahlenbehandelte Lebensmittel"*. XXXWo erschienen?XXX
16. SCF (2002) *Statement of the Scientific Committee on Food on a report on 2-alkylcyclobutanones*. SCF/CS/NF/IRR/26 ADD 3 Final, Scientific Committee on Food (SCF), Brussels (Belgium), 1–3
17. SCF, European Communities (1998) *Opinion of the Scientific Committee on Food on the irradiation of eight foodstuffs (expressed on 17.09.1998)*. Scientific Committee on Food (SCF), Commission of the European Communities, Brussels (Belgium).
18. SCF, European Communities (1994) *Revisions of previous opinions on: Food irradiation: use in relation to Camembert cheeses (opinion expressed on 19th June 1992)*. Reports of the Scientific Committee for Food. food - science and techniques Thirty-second series, European Commission, Brussels (Belgium), 33 p.
19. SCF (1987) *Reports of the Scientific Committee for Food. food - science and techniques Eighteenth series, EUR 10840*, Commission of the European Communities, Brussels (Belgium), 102 p.

Literatur

1. James, C (2006) *Global Status of commercialized Biotech/GM crops:2006. ISAAA Brief 35-2006 International Service for the Acquisition of Agri-biotech Applications (ISAAA): Ithaca, NY.* <http://www.isaaa.org/resources/publications/briefs/35/executivesummary/default.html>
2. Jany, K-D (2005) Wann gibt es endlich blaue Baumwolle direkt vom Strauch? In: *Evolution Wege des Lebens.* Ed. J. Grolle, 2005 Stiftung Deutsches Hygiene-Museum, Dresden und Deutsche Verlagsanstalt (ISBN 3-421-05904-7) 166–174
3. Seralini, G-E, Cellier D, Spiroux de Venomais J (2007) *New analysis of a rat feeding study with a genetically modified maize reveals signs of hepatorenal toxicity, Arch Environ Contamination Toxicology DOI: 10.1007/s00244-006-0149-5, <http://www.springerlink.com/content/02648wu132m07804/full-text.html>*
4. Hammond B et al. (2006) *Results of a 90-day safety assurance study with rats fed grain from corn rootworm-protected corn. Food Chem Toxicol 44: 147–160*
5. EFSA (2004) *Opinion of the Scientific Panel on Genetically Modified Organisms on a request from the Commission related to the safety of foods and food ingredients derived from insect-protected genetically modified maize MON 863 and MON 863 x MON 810, for which a request for placing on the market was submitted under Article 4 of the Novel Food Regulation (EC) No 258/97 by Monsanto. The EFSA Journal 50, 1–25*
6. EC (1997) *Regulation (EC) No 258/97 of the European Parliament and of the Council of 27 January 1997 concerning novel foods and novel food ingredients. Official Journal of the European Union, L 43, 1–6*
7. EC (2003) *Regulation (EC) 1829/2003 of the European Parliament and of the Council of 22 September 2003 on genetically modified food and feed. Official Journal of the European Union, L 268, 1–23*
8. EC (2003) *Regulation (EC) 1830/2003 of the European Parliament and of the Council of 22 September 2003 concerning the traceability and labelling of genetically modified organisms and the traceability of food and feed products produced from genetically modified organisms. Official Journal of the European Union, L 268, 24–28*
9. WHO, 1999. *Principles for the Assessment of Risks to Human Health from Exposure to Chemicals, Environmental Health Criteria Vol. 210. International Program on Chemical Safety, World Health Organisation, Geneva. http://www.who.int/pcs/risk-assessment/ehc/docs/ehc210_exposure.htm*
10. OECD, 1993. *Guidelines for the Testing of Chemicals., Organisation for Economic Cooperation and Development, Paris*
11. OECD (1993) *Safety Evaluation of Foods Derived by Modern Biotechnology: Concepts and Principles. Organisation for Economic Cooperation and Development (OECD), Paris*
12. OECD (1998) *Report of the OECD Workshop on the Toxicological and Nutritional Testing of Novel Foods, Aussois, France, 5–8 March, 1997. Organization for Economic Cooperation and Development (OECD), Paris*
13. FAO/WHO (2000) *Safety aspects of genetically modified foods of plant origin. Joint FAO/WHO consultation on foods derived from biotechnology, Geneva, Switzerland 29 May - 2 June 2000. Food and Agriculture Organisation of the United Nations and World Health Organisation*
14. FAO/WHO (2001) *Safety assessment of foods derived from genetically modified microorganisms – joint FAO/WHO expert consultation on foods derived from biotechnology, Geneva, Switzerland, 24 to 28 September 2001. Food and Agriculture Organisation of the United Nations and World Health Organisation*
15. ILSI International Food Biotechnology Committee (2004) *Nutritional and Safety Assessments of Foods and Feeds Nutritionally Improved through Biotechnology. Comprehensive Reviews in Food Science and Food Safety. Vol. 3. Institute of Food Technologists*
16. EFSA (2004) *Draft Guidance Document for the risk assessment of genetically modified plants and derived food and feed. http://www.efsa.eu.int/consultation/372/consultation_guidance_gmo_301_en371.pdf*
17. EFSA (2006) *Guidance document of the Scientific Panel on Genetically Modified Organisms for the risk assessment of genetically modified plants and derived food and feed. The EFSA Journal 99: 1–100*
18. Miller HI (1999) *Substantial equivalence: Its uses and abuses. Nature Biotechnology 17: 1042–1043.*
19. Doerfler W, Schubert R (1997) *Fremde DNA im Säugersystem. Deutsches Ärzteblatt 94: 51–52*
20. Schubert R et al. (1998) *On the fate of orally ingested foreign DNA in mice: Chromosomal association and placental transmission to the fetus. Mol Gen Genet 259, 569–576*
21. Schubert R et al. (1997) *Foreign (M13) DNA ingested by mice reaches peripheral leukocytes, spleen, and liver via the intestinal wall mucosa and can be covalently linked to mouse DNA. Proc Natl Acad Sci USA 94: 961–966*
22. Mazza et al. (2005) *Assessing the transfer of genetically modified DNA from feed to animal tissues in Transgenic Research 14: 775–784*
23. Einspanier R et al. (2004) *Tracing residual recombinant feed molecules during digestion and rumen bacterial diversity in cattle fed transgene maize. Eur Food Res Technol 218: 269–273*
24. Pühler A (1999) *Horizontaler Transfer von Antibiotika-Resistenzgenen – Diskussion und Erkenntnisse. Nachr Chem Tech Lab 47: 1088–1092*
25. Smalla K, Gebhard F, Heuer H (2000) *Antibiotika-Resistenzgene als Marker in gentechnisch veränderten Pflanzen – Gefahr durch horizontalen Gentransfer?: Nachrichtenbl Deut Pflanzenschutz 52: 62–68*
26. Davison J (1999) *Genetic exchange between bacteria in the environment. Plasmid 42: 73–91*
27. de Vries J, Meier P, Wackernagel W