

# Konflikte zwischen einer gesunden und einer nachhaltigen Ernährung - von Irr-, Holz- und Lösungswegen

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Quellenangaben (**fett**: besonders zu empfehlende Quellen)

Adesogan, Adegbola & Havelaar, Arie & McKune, Sarah & Eilitta, Marjatta & Dahl, Geoffrey. (2019). Animal source foods: Sustainability problem or malnutrition and sustainability solution? Perspective matters. <i>Global Food Security</i> . 25. 100325. 10.1016/j.gfs.2019.100325.
Adhikari, Shiksha & Schop, Marijke & Boer, Imke & Huppertz, Thom. (2022). Protein Quality in Perspective: A Review of Protein Quality Metrics and Their Applications. <i>Nutrients</i> . 14. 947. 10.3390/nu14050947
Athinarayanan SJ, Adams RN, Hallberg SJ, McKenzie AL, Bhanpuri NH, Campbell WW, Volek JS, Phinney SD, McCarter JP. Long-Term Effects of a Novel Continuous Remote Care Intervention Including Nutritional Ketosis for the Management of Type 2 Diabetes: A 2-Year Non-randomized Clinical Trial. <i>Front Endocrinol (Lausanne)</i> . 2019 Jun 5;10:348. doi: 10.3389/fendo.2019.00348. PMID: 31231311; PMCID: PMC6561315.
Banta, Jim & Lee, Jerry & Hodgkin, Georgia & Yi, Zane & Fanica, Andrea & Sabaté, Joan. (2018). The Global Influence of the Seventh-Day Adventist Church on Diet. <i>Religions</i> . 9. 251. 10.3390/rel9090251.
<b>Barbour, Holden, Fredenburgh. Feeding Britain from the Ground Up. Sustainable Food Trust 2022</b>
Basu S, Yoffe P, Hills N, Lustig RH. The relationship of sugar to population-level diabetes prevalence: an econometric analysis of repeated cross-sectional data. <i>PLoS One</i> . 2013;8(2):e57873. doi:10.1371/journal.pone.0057873
<b>Beal, Ty &amp; Gardner, Christopher &amp; Herrero, Mario &amp; Iannotti, Lora &amp; Merbold, Lutz &amp; Nordhagen, Stella &amp; Mottet, Anne. (2023). Friend or Foe? The Role of Animal-Source Foods in Healthy and Environmentally Sustainable Diets. The Journal of Nutrition. 10.1016/j.tjnut.2022.10.016.</b>
Beal T, Ortenzi F, Fanzo J. Estimated micronutrient shortfalls of the EAT-Lancet planetary health diet. <i>Lancet Planet Health</i> . 2023 Mar;7(3):e233-e237. doi: 10.1016/S2542-5196(23)00006-2. PMID: 36889864.
Beresford SAA, Johnson KC, Ritenbaugh C, et al. Low-Fat Dietary Pattern and Risk of Colorectal Cancer: The Women's Health Initiative Randomized Controlled Dietary Modification Trial. <i>JAMA</i> . 2006;295(6):643-654. doi:10.1001/jama.295.6.643
BFS. Die Bodennutzung in der Schweiz. Auswertungen und Analysen. 2015
Blasbalg TL, Hibbeln JR, Ramsden CE, Majchrzak SF, Rawlings RR. Changes in consumption of omega-3 and omega-6 fatty acids in the United States during the 20th century. <i>Am J Clin Nutr</i> . 2011;93(5):950-962. doi:10.3945/ajcn.110.006643
<b>Beste, Andrea &amp; Idel, Anita: Vom Mythos der klimasmarten Landwirtschaft – oder warum weniger vom Schlechten nicht gut ist. 2018</b>
BLW, BLV, BAFU: Klimastrategie Landwirtschaft und Ernährung 2050. Verminderung von Treibhausgasemissionen und Anpassung an die Folgen des Klimawandels für ein nachhaltiges Schweizer Ernährungssystem. 1. Teil: Grundsätze, Ziele und Stossrichtungen. BLW, BLV, BAFU. 2023
<b>Bondevett: <a href="#">What is the real carbon footprint of foods? 2020</a></b>
Bouvard V, Loomis D, Guyton KZ, Grosse Y, Ghissassi FE, Benbrahim-Tallaa L, Guha N, Mattock H, Straif K; International Agency for Research on Cancer Monograph Working Group. Carcinogenicity of consumption of red and processed meat. <i>Lancet Oncol</i> . 2015 Dec;16(16):1599-600. doi: 10.1016/S1470-2045(15)00444-1. Epub 2015 Oct 29. PMID: 26514947.
Bundesamt für Landwirtschaft (BLW). Agrarbericht 2022: Fleisch und Eier. <a href="https://www.agrarbericht.ch/de/markt/tierische-produkte/fleisch-und-eier">https://www.agrarbericht.ch/de/markt/tierische-produkte/fleisch-und-eier</a> (Zugriff: 19.9.2023).
Burdge GC. Metabolism of alpha-linolenic acid in humans. <i>Prostaglandins Leukot Essent Fatty Acids</i> . 2006 Sep;75(3):161-8. doi: 10.1016/j.plefa.2006.05.013. Epub 2006 Jul 7. PMID: 16828546.
Bürger:innenrat für Ernährungspolitik: Empfehlungen für die Schweizer Ernährungspolitik. Februar 2023 <a href="http://www.buergerinnenrat.ch/de/empfehlungen/">http://www.buergerinnenrat.ch/de/empfehlungen/</a>

<b>Buxton, Jayne: The Great Plant-Based Con: Why eating a plants-only diet won't improve your health or save the planet.Piatkus.2022</b>
Carroll, Aaron E.: <a href="#">Know Your Risks, but Meat Still Isn't the Enemy</a> . The New York Times.2.11.2015 (letzter Zugriff: 31.10.2023)
Clark M, Springmann M, Rayner M, Scarborough P, Hill J, Tilman D, Macdiarmid JI, Fanzo J, Bandy L, Harrington RA. Estimating the environmental impacts of 57,000 food products. Proc Natl Acad Sci U S A. 2022 Aug 16;119(33):e2120584119. doi: 10.1073/pnas.2120584119. Epub 2022 Aug 8. PMID: 35939701; PMCID: PMC9388151.
CLEAR Center at UC Davis: <a href="#">Greenhouse gas emissions: What is the difference between stock and flow gases?</a> 2020
CLEAR Center at UC Davis: <a href="#">GWP* More Useful in Measuring Warming Cause by Livestock Methane Emissions</a> .2023
Colombani, Paolo: Pflanzliche Proteine: Grundlegende Überlegungen. 2021.www.ssns.ch
Cordain L, Miller JB, Eaton SB, Mann N, Holt SH, Speth JD. Plant-animal subsistence ratios and macronutrient energy estimations in worldwide hunter-gatherer diets. Am J Clin Nutr. 2000 Mar;71(3):682-92. doi: 10.1093/ajcn/71.3.682. PMID: 10702160.
Cordain L, Eaton SB, Miller JB, Mann N, Hill K. The paradoxical nature of hunter-gatherer diets: meat-based, yet non-atherogenic. Eur J Clin Nutr. 2002 Mar;56 Suppl 1:S42-52. doi: 10.1038/sj.ejcn.1601353. PMID: 11965522.
Davis, S.L. The Least Harm Principle May Require that Humans Consume a Diet Containing Large Herbivores, Not a Vegan Diet. Journal of Agricultural and Environmental Ethics 16, 387–394 (2003). <a href="https://doi.org/10.1023/A:1025638030686">https://doi.org/10.1023/A:1025638030686</a>
Dehghan M, Mente A, Zhang X, et al. Association of fats and carbohydrate intake with cardiovascular disease and mortality in 18 countries from five continents (PURE): A prospective cohort study. Lancet 390(2017): 2050-2062
DiNicolantonio JJ, O'Keefe JH. Omega-6 vegetable oils as a driver of coronary heart disease: the oxidized linoleic acid hypothesis. Open Heart 2018;5:e000898. doi:10.1136/openhrt-2018-000898
Douglas A. Frank, Samuel J. McNaughton, Benjamin F. Tracy, The Ecology of the Earth's Grazing Ecosystems: Profound functional similarities exist between the Serengeti and Yellowstone, BioScience, Volume 48, Issue 7, July 1998, Pages 513–521, <a href="https://doi.org/10.2307/1313313">https://doi.org/10.2307/1313313</a>
Drewnowski A, Rehm CD, Martin A, Verger EO, Voinnesson M, Imbert P. Energy and nutrient density of foods in relation to their carbon footprint. Am J Clin Nutr. 2015 Jan;101(1):184-91. doi: 10.3945/ajcn.114.092486. Epub 2014 Nov 5. PMID: 25527762.
Drewnowski A. Adjusting for protein quality by food source may affect nutrient density metrics. Nutr Rev. 2021 Sep 7;79(10):1134-1144. doi: 10.1093/nutrit/nuaa117. PMID: 33331638.
Drewnowski, A.; Darmon, N.; Monsivais, P. Affordable Nutrient Density: Toward Economic Indicators of Sustainable Healthy Diets. Sustainability 2021, 13, 9300. <a href="https://doi.org/10.3390/su13169300">https://doi.org/10.3390/su13169300</a>
Drewnowski, Adam.Sustainable Healthy Diets: Metrics and Measures. Referat an der 10. Nachhaltigkeitstagung von Agroscope, 26.1.2023
Ede, Georgia: <a href="#">WHO Says Meat Causes Cancer?</a> 2017
Ede, Georgia (2019a): <a href="#">EAT-Lancet's Plant-Based Planet: 10 Things You Need to Know</a> .2019
<b>Ede, Georgia (2019b): <a href="#">EAT-Lancet's Plant-Based Planet: Food in the (Mis)Anthropocene</a>. 2019</b>
Ede, Georgia: <a href="#">The Problem with Epidemiological Studies</a> .2020
Eichler, M. Das menschliche Urteil in der evidenzbasierten Medizin. Onkologe 26, 456–464 (2020). <a href="https://doi.org/10.1007/s00761-020-00720-x">https://doi.org/10.1007/s00761-020-00720-x</a>
Elliott, J. (2014) Flaws, Fallacies and Facts: Reviewing the Early History of the Lipid and Diet/Heart Hypotheses. Food and Nutrition Sciences, 5, 1886-1903. <a href="http://dx.doi.org/10.4236/fns.2014.519201">http://dx.doi.org/10.4236/fns.2014.519201</a>
English, Dallas & Slevin, Terry: Confused about your cancer risk from eating meat? Here's what the figures mean.The Conversation.30.10.2015
Ertl P, Knaus W, Zollitsch W. An approach to including protein quality when assessing the net contribution of livestock to human food supply. Animal. 2016 Nov;10(11):1883-1889. doi: 10.1017/S1751731116000902. Epub 2016 May 10. PMID: 27160573
European Food Trends Report. Feeding the Future: Chancen für ein nachhaltiges Ernährungssystem.GDI-Studie Nr. 52.Christine Schäfer, Karin Frick, Johannes C. Bauer.2023

Fesenfeld, L.; Mann, S.; Meier, M; Nemecek, T.; Scharrer, B.; Bornemann, B., Brombach, C.; Beretta, C.; Bürgi, E.; Grabs, J.; Ingold, K.; Jeanneret, P.; Kisligh, S.; Lieberherr, E.; Müller, A.; Pfister, S.; Schader, C.; Schönberg, S.; Sonneveld, M.; Barjolle, D.; Boivin, P.; Brunner, T.; Contzen, S.; Espa, I.; Estève, M.; Forney, J.; Häberli C.; Hediger, W.; Hilbeck, A.; Kopainsky, B.; Lehmann, B.; Mack, G.; Markoni, E.; Meier, B.; Paccaud, F.; Rohrmann, S.; Schindler, M.; Schwab, C.; Tribaldos, T.; Waibel, P.; Zähringer, J. (2023). Wege in die Ernährungszukunft der Schweiz: Leitfaden zu den grössten Hebeln und politischen Pfaden für ein nachhaltiges Ernährungssystem. SDSN Schweiz – <a href="https://doi.org/10.5281/zenodo.7543576">https://doi.org/10.5281/zenodo.7543576</a>
Fettke, Belinda: <a href="#">Lifestyle Medicine ... where did the meat go?</a> 2018
Fettke, Belinda: <a href="#">Is the EAT-Lancet (Vegan) Rule-Book Hijacking Our Health?</a> 2019 <a href="https://isupportgary.com/articles/is-the-eat-lancet-vegan-rule-book-hijacking-health">https://isupportgary.com/articles/is-the-eat-lancet-vegan-rule-book-hijacking-health</a>
Fischer, Bob & Lamey, Andy. (2018). Field Deaths in Plant Agriculture. Journal of Agricultural and Environmental Ethics. 31. 10.1007/s10806-018-9733-8.
<a href="#">Food wastage footprint &amp; Climate Change</a> .FAO.2015
Frühwirth, Peter: <a href="#">Woher kommt das Methan?</a> 2020
Global report on diabetes.World Health Organization.2016
<b>Grandin T. Grazing Cattle, Sheep, and Goats Are Important Parts of a Sustainable Agricultural Future. Animals (Basel). 2022 Aug 16;12(16):2092. doi: 10.3390/ani12162092. PMID: 36009682; PMCID: PMC9404863.</b>
Grasgruber P, Sebera M, Hrazdira E, Hrebickova S, Cacek J. Food consumption and the actual statistics of cardiovascular diseases: an epidemiological comparison of 42 European countries. Food Nutr Res. 2016 Sep 27;60:31694. doi: 10.3402/fnr.v60.31694. PMID: 27680091; PMCID: PMC5040825.
Grasgruber P, Cacek J, Hrazdira E, Hřebíčková S, Sebera M. Global Correlates of Cardiovascular Risk: A Comparison of 158 Countries. Nutrients. 2018 Mar 26;10(4):411. doi: 10.3390/nu10040411. PMID: 29587470; PMCID: PMC5946196.
Guberan, E. "Surprising Decline of Cardiovascular Mortality in Switzerland: 1951–1976." Journal of Epidemiology and Community Health 33, no. 2 (June 1979): 114–120
Guyenet SJ, Carlson SE. Increase in adipose tissue linoleic acid of US adults in the last half century. Adv Nutr. 2015 Nov 13;6(6):660-4. doi: 10.3945/an.115.009944. PMID: 26567191; PMCID: PMC4642429.
Hall KD, Ayuketah A, Brychta R, Cai H, Cassimatis T, Chen KY, Chung ST, Costa E, Courville A, Darcey V, Fletcher LA, Forde CG, Gharib AM, Guo J, Howard R, Joseph PV, McGehee S, Ouwkerk R, Rasinger K, Rozga I, Stagliano M, Walter M, Walter PJ, Yang S, Zhou M. Ultra-Processed Diets Cause Excess Calorie Intake and Weight Gain: An Inpatient Randomized Controlled Trial of Ad Libitum Food Intake. Cell Metab. 2019 Jul 2;30(1):67-77.e3. doi: 10.1016/j.cmet.2019.05.008. Epub 2019 May 16. Erratum in: Cell Metab. 2019 Jul 2;30(1):226. Erratum in: Cell Metab. 2020 Oct 6;32(4):690. PMID: 31105044; PMCID: PMC7946062.
Harcombe, Zoë: <a href="#">The Bradford Hill Criteria</a> .2015
Harcombe, Zoë et al. Evidence from randomised controlled trials did not support the introduction of dietary fat guidelines in 1977 and 1983: a systematic review and meta-analysis. Open Heart. 2015; 2(1): e000196. doi: 10.1136/openhrt-2014-000196
Harcombe, Zoë: 'An examination of the randomised controlled trial and epidemiological evidence for the introduction of dietary fat recommendations in 1977 and 1983: A systematic review and meta-analysis', PhD thesis, University of the West of Scotland, March 2016
Harcombe Z, Baker JS, Davies B. Evidence from prospective cohort studies did not support the introduction of dietary fat guidelines in 1977 and 1983: a systematic review. Br J Sports Med. 2017 Dec;51(24):1737-1742. doi: 10.1136/bjsports-2016-096409. Epub 2016 Jun 29. PMID: 27357514.
Harcombe, Zoë: <a href="#">The Seven Countries Study – Part 1</a> .2017

Harcombe, Zoë: <a href="#">Red meat &amp; Cancer</a> .2018
Harcombe, Zoë: <a href="#">The EAT Lancet diet is nutritionally deficient</a> .17.1.2019
Harcombe, Zoë: <a href="#">Estimating the environmental impacts of 57,000 'foods'</a> .2022
HILL AB. THE ENVIRONMENT AND DISEASE: ASSOCIATION OR CAUSATION?. Proc R Soc Med. 1965;58(5):295-300.
Hirvonen K, Bai Y, Headey D, Masters WA. Affordability of the EAT-Lancet reference diet: a global analysis. Lancet Glob Health. 2020 Jan;8(1):e59-e66. doi: 10.1016/S2214-109X(19)30447-4. Epub 2019 Nov 7. Erratum in: Lancet Glob Health. 2020 Dec;8(12):e1472. PMID: 31708415; PMCID: PMC7024996.
Hristov AN. Historic, pre-European settlement, and present-day contribution of wild ruminants to enteric methane emissions in the United States. J Anim Sci. 2012 Apr;90(4):1371-5. doi: 10.2527/jas.2011-4539. Epub 2011 Dec 16. PMID: 22178852.
[IARC] International Agency for Research on Cancer. Volume 114: Consumption of red meat and processed meat. IARC Working Group. Lyon;6–13 September, 2015
<b>Idel, Anita. (2021). Agrarökologische Aspekte – zum Wert nachhaltiger Beweidung. 10.5771/9783748907084-293</b>
<b>Idel, Anita (2022): Die Kuh ist kein Klima-Killer! Wie die Agrarindustrie die Erde verwüstet und was wir dagegen tun können. Verlag Metropolis. ISBN 978-3-7316-1513-2.</b>
Institute of Medicine. 2005. Dietary Reference Intakes for Energy, Carbohydrate, Fiber, Fat, Fatty Acids, Cholesterol, Protein, and Amino Acids. Washington, DC: The National Academies Press. <a href="https://doi.org/10.17226/1049">https://doi.org/10.17226/1049</a>
International Diabetes Federation. IDF Diabetes Atlas, 10th edn. Brussels, Belgium: 2021. Available at: <a href="https://www.diabetesatlas.org">https://www.diabetesatlas.org</a>
Iten, Niklaus: Zum Bericht «Kohlenstoffsequestrierung in Böden – Bericht des Bundesrats in Erfüllung des Postulats 19.3639 Bourgeois vom 18. Juni 2019»: Eine Kritik.2023 (kann auf Anfrage bestellt werden bei Niklaus Iten, <a href="mailto:niten@bio-familia.com">niten@bio-familia.com</a> )
Jackson R B et al. Increasing anthropogenic methane emissions arise equally from agricultural and fossil fuel sources. 2020 Environ. Res. Lett. 15 071002. DOI 10.1088/1748-9326/ab9ed2
<b>Keith, Lierre: Ethisch essen mit Fleisch. Eine Streitschrift über nachhaltige und ethische Ernährung mit Fleisch und die Missverständnisse und Risiken einer streng vegetarischen und veganen Lebensweise.systemed.2022</b>
Kendall, Marty: <a href="#">Pros and Cons of the Eat Lancet Diet Plan for Planetary Health</a> .2019
<b>David M Klurfeld, What is the role of meat in a healthy diet?, Animal Frontiers, Volume 8, Issue 3, July 2018, Pages 5–10, <a href="https://doi.org/10.1093/af/vfy009">https://doi.org/10.1093/af/vfy009</a></b>
Kohlenstoffsequestrierung in Böden.Bericht des Bundesrats in Erfüllung des Postulats 19.3639 Bourgeois vom 18. Juni 2019
Lanza E, Yu B, Murphy G, Albert PS, Caan B, Marshall JR, Lance P, Paskett ED, Weissfeld J, Slattery M, Burt R, Iber F, Shike M, Kikendall JW, Brewer BK, Schatzkin A; Polyp Prevention Trial Study Group. The polyp prevention trial continued follow-up study: no effect of a low-fat, high-fiber, high-fruit, and -vegetable diet on adenoma recurrence eight years after randomization. Cancer Epidemiol Biomarkers Prev. 2007 Sep;16(9):1745-52. doi: 10.1158/1055-9965.EPI-07-0127. PMID: 17855692.
Leigh FW. Sir Hans Adolf Krebs (1900–81), pioneer of modern medicine, architect of intermediary metabolism. <i>Journal of Medical Biography</i> . 2009;17(3):149-154. doi: <a href="https://doi.org/10.1258/jmb.2009.009032">10.1258/jmb.2009.009032</a>

Leroy, Frédéric: <a href="#">Meat's become a scapegoat for vegans, politicians &amp; the media because of bad science</a> .2019
Leroy, Frédéric & Cofnas, Nathan (2020) Should dietary guidelines recommend low red meat intake?, <i>Critical Reviews in Food Science and Nutrition</i> , 60:16, 2763-2772, DOI: 10.1080/10408398.2019.1657063
Leroy F, Abraini F, Beal T, Dominguez-Salas P, Gregorini P, Manzano P, Rowntree J, van Vliet S. Animal board invited review: Animal source foods in healthy, sustainable, and ethical diets - An argument against drastic limitation of livestock in the food system. <i>Animal</i> . 2022 Mar;16(3):100457. doi: 10.1016/j.animal.2022.100457. Epub 2022 Feb 11. PMID: 35158307.
Liu, S., Proudman, J. & Mitloehner, F.M. Rethinking methane from animal agriculture. <i>CABI Agric Biosci</i> 2, 22 (2021). <a href="https://doi.org/10.1186/s43170-021-00041-y">https://doi.org/10.1186/s43170-021-00041-y</a>
Long-term Trends in Diabetes. April 2017. CDC's Division of Diabetes Translation. United States Diabetes Surveillance System available at <a href="http://www.cdc.gov/diabetes/data">http://www.cdc.gov/diabetes/data</a>
Lustig RH. Sickeningly Sweet: Does Sugar Cause Type 2 Diabetes? Yes. <i>Can J Diabetes</i> . 2016 Aug;40(4):282-6. doi: 10.1016/j.jcjd.2016.01.004. Epub 2016 May 20. PMID: 27216628.
Lynch J, Cain M, Pierrehumbert R, Allen M. Demonstrating GWP*: a means of reporting warming-equivalent emissions that captures the contrasting impacts of short- and longlived climate pollutants. <i>Environ Res Lett</i> . 2020 Apr 2;15(4):044023. doi: 10.1088/1748-9326/ab6d7e. Epub 2020 Jan 20. PMID: 32395177; PMCID: PMC7212016.
Mann, George V: <i>Coronary Heart Disease – The Dietary Sense and Nonsense</i> . Janus Publishing Company. 1993
Mason, Paul: <a href="#">Saturated fat is not dangerous</a> .2018
Mente A, Dehghan M, Rangarajan S, O'Donnell M, Hu W, Dagenais G, Wielgosz A, A Lear S, Wei L, Diaz R, Avezum A, Lopez-Jaramillo P, Lanan S, Swaminathan S, Kaur M, Vijayakumar K, Mohan V, Gupta R, Szuba A, Iqbal R, Yusuf R, Mohammadifard N, Khatib R, Nasir NM, Karsidag K, Rosengren A, Yusufali A, Wentzel-Viljoen E, Chifamba J, Dans A, Alhabib KF, Yeates K, Teo K, Gerstein HC, Yusuf S. Diet, cardiovascular disease, and mortality in 80 countries. <i>Eur Heart J</i> . 2023 Jul 21;44(28):2560-2579. doi: 10.1093/eurheartj/ehad269. PMID: 37414411; PMCID: PMC10361015.
Meroño T, Zamora-Ros R, Hidalgo-Liberona N, Rabassa M, Bandinelli S, Ferrucci L, Fedecostante M, Cherubini A, Andres-Lacueva C. Animal Protein Intake Is Inversely Associated With Mortality in Older Adults: The InCHIANTI Study. <i>J Gerontol A Biol Sci Med Sci</i> . 2022 Sep 1;77(9):1866-1872. doi: 10.1093/gerona/glab334. PMID: 34849845; PMCID: PMC9434434.
Minger, Denise: <b>Death by Food Pyramid: How Shoddy Science, Sketchy Politics and Shady Special Interests Have Ruined Our Health</b> . Primal Blueprint Publishing.2014
Montiel-Rojas D, Nilsson A, Santoro A, Bazzocchi A, de Groot LCPGM, Feskens EJM, Berendsen AAM, Madej D, Kaluza J, Pietruszka B, Jennings A, Fairweather-Tait S, Battista G, Capri M, Franceschi C, Kadi F. Fighting Sarcopenia in Ageing European Adults: The Importance of the Amount and Source of Dietary Proteins. <i>Nutrients</i> . 2020 Nov 24;12(12):3601. doi: 10.3390/nu12123601. PMID: 33255223; PMCID: PMC7760110.
Mottet, Anne & De haan, Cornelis & Falcucci, Alessandra & Tempio, G. & Opio, Carolyn & Gerber, Pierre J. (2017). Livestock: On our plates or eating at our table? A new analysis of the feed/food debate. <i>Global Food Security</i> .14. 10.1016/j.gfs.2017.01.001
Muller, A., Schader, C., El-Hage Scialabba, N. et al. Strategies for feeding the world more sustainably with organic agriculture. <i>Nat Commun</i> 8, 1290 (2017). <a href="https://doi.org/10.1038/s41467-017-01410-w">https://doi.org/10.1038/s41467-017-01410-w</a>
National Geographic: What the world eats: <a href="https://www.nationalgeographic.com/what-the-world-eats/">https://www.nationalgeographic.com/what-the-world-eats/</a>



Neu U (2022) Klimawirkung und CO <sub>2</sub> -Äquivalent-Emissionen von kurzlebigen Substanzen. Swiss Academies Communications 17 (5).
<b>Noakes, T.D. (2015). The 2012 University of Cape Town Faculty of Health Sciences centenary debate: "Cholesterol is not an important risk factor for heart disease, and the current dietary recommendations do more harm than good". South African Journal of Clinical Nutrition. 28. 19-33. 10.1080/16070658.2015.11734522.</b>
Noakes, Timothy: <a href="#">Ancel Keys' Cholesterol Con, Part 2</a> .2020
<b>Noakes, Tim &amp; Sboros, Marika: Real Food on Trial.Columbus Publishing.2019</b>
Notabene Nutrition. <a href="#">Neue Empfehlung zur Proteinzufuhr nötig?</a> 13.09.2023
O'Connor LE, Kim JE, Clark CM, Zhu W, Campbell WW. Effects of Total Red Meat Intake on Glycemic Control and Inflammatory Biomarkers: A Meta-Analysis of Randomized Controlled Trials. Adv Nutr. 2021 Feb 1;12(1):115-127. doi: 10.1093/advances/nmaa096. PMID: 32910818; PMCID: PMC7850054.
Pearce ML, Dayton S. Incidence of cancer in men on a diet high in polyunsaturated fat. Lancet. 1971 Mar 6;1(7697):464-7. doi: 10.1016/s0140-6736(71)91086-5. PMID: 4100347.
Pinckaers PJM, Trommelen J, Snijders T, van Loon LJC. The Anabolic Response to Plant-Based Protein Ingestion. Sports Med. 2021 Sep;51(Suppl 1):59-74. doi: 10.1007/s40279-021-01540-8. Epub 2021 Sep 13. PMID: 34515966; PMCID: PMC8566416.
Phillips SM, Chevalier S, Leidy HJ. Protein "requirements" beyond the RDA: implications for optimizing health. Appl Physiol Nutr Metab. 2016 May;41(5):565-72. doi: 10.1139/apnm-2015-0550. Epub 2016 Feb 9. Erratum in: Appl Physiol Nutr Metab. 2022 May;47(5):615. PMID: 26960445.
Poore J, Nemecek T. Reducing food's environmental impacts through producers and consumers. Science. 2018 Jun 1;360(6392):987-992. doi: 10.1126/science.aag0216. Erratum in: Science. 2019 Feb 22;363(6429): PMID: 29853680.
Price, Weston A. Nutrition and Physical Degeneration. A Comparison of Primitive and Modern Diets and Their Effects.1939
<b>Raubenheimer D, Simpson SJ. Protein appetite as an integrator in the obesity system: the protein leverage hypothesis. Philos Trans R Soc Lond B Biol Sci. 2023 Oct 23;378(1888):20220212. doi: 10.1098/rstb.2022.0212. Epub 2023 Sep 4. PMID: 37661737; PMCID: PMC10475875</b>
<b>Rodgers, Diana and Wolf, Robb: Sacred Cow: The Case for (Better) Meat: Why Well-Raised Meat Is Good for You and Good for the Planet. BenBella Books.2021</b>
<b>Rowntree JE, Stanley PL, Maciel ICF, Thorbecke M, Rosenzweig ST, Hancock DW, Guzman A and Raven MR (2020) Ecosystem Impacts and Productive Capacity of a Multi-Species Pastured Livestock System. Front. Sustain. Food Syst. 4:544984. doi: 10.3389/fsufs.2020.544984</b>
Rodgers, Diana: <a href="#">Meat is magnificent: Water, Carbon, Methane &amp; Nutrition</a> .2016. <a href="https://sustainabledish.com/meat-is-magnificent/">https://sustainabledish.com/meat-is-magnificent/</a>
Rubin R. Backlash Over Meat Dietary Recommendations Raises Questions About Corporate Ties to Nutrition Scientists. JAMA. 2020 Feb 4;323(5):401-404. doi: 10.1001/jama.2019.21441. PMID: 31940003.
Sanders, L.M., Wilcox, M.L. & Maki, K.C. Red meat consumption and risk factors for type 2 diabetes: a systematic review and meta-analysis of randomized controlled trials. Eur J Clin Nutr 77, 156–165 (2023). <a href="https://doi.org/10.1038/s41430-022-01150-1">https://doi.org/10.1038/s41430-022-01150-1</a>
Sarwar Gilani G, Wu Xiao C, Cockell KA. Impact of antinutritional factors in food proteins on the digestibility of protein and the bioavailability of amino acids and on protein quality. Br J Nutr. 2012 Aug;108 Suppl 2:S315-32. doi: 10.1017/S0007114512002371. PMID: 23107545
Select Committee on Nutrition and Human Needs. Dietary goals for the United States. 1st edn. Washington: US Govt Print Off, 1977
Shapiro S. Looking to the 21st century: have we learned from our mistakes, or are we doomed to compound them? Pharmacoepidemiol Drug Saf. 2004 Apr;13(4):257-65. doi: 10.1002/pds.903. PMID: 15255093.
Shiva, Vandana; Singh, Vaibhav.HEALTH PER ACRE - Organic Solutions to Hunger and Malnutrition
Shiva, Vandana: <a href="#">A new report sustains unsustainable food systems</a> .2019
Shiva, Vandana: Agrarökologie und echte regenerative Landwirtschaft. Neue Erde.2023
Simopoulos AP. The importance of the omega-6/omega-3 Fatty Acid ratio in cardiovascular disease and other chronic diseases. Exp Biol Med (Maywood) 2008;233:674–88.
<b>Simopoulos. The omega-6/omega-3 fatty acid ratio: health implications. OCL. 2010</b>

**Simopoulos AP, DiNicolantonio JJ. The importance of a balanced  $\omega$ -6 to  $\omega$ -3 ratio in the prevention and management of obesity. *Open Heart*. 2016 Sep 20;3(2):e000385. doi: 10.1136/openhrt-2015-000385. PMID: 27843563; PMCID: PMC5093368.**

Smith FA, Hammond JI, Balk MA, Elliott SM, Lyons SK, Pardi MI, Tomé CP, Wagner PJ, Westover ML. Exploring the influence of ancient and historic megaherbivore extirpations on the global methane budget. *Proc Natl Acad Sci U S A*. 2016 Jan 26;113(4):874-9. doi: 10.1073/pnas.1502547112. Epub 2015 Oct 26. PMID: 26504225; PMCID: PMC4743800.

Średnicka-Tober et al.2016a: Średnicka-Tober D, Barański M, Seal C, Sanderson R, Benbrook C, Steinshamn H, Gromadzka-Ostrowska J, Rembiałkowska E, Skwarło-Sońta K, Eyre M, Cozzi G, Krogh Larsen M, Jordon T, Niggli U, Sakowski T, Calder PC, Burdge GC, Sotiraki S, Stefanakis A, Yolcu H, Stergiadis S, Chatzidimitriou E, Butler G, Stewart G, Leifert C. Composition differences between organic and conventional meat: a systematic literature review and meta-analysis. *Br J Nutr*. 2016 Mar 28;115(6):994-1011. doi: 10.1017/S0007114515005073. Epub 2016 Feb 16. PMID: 26878675; PMCID: PMC4838835.

Średnicka-Tober et al.2016b: Średnicka-Tober D, Barański M, Seal CJ, Sanderson R, Benbrook C, Steinshamn H, Gromadzka-Ostrowska J, Rembiałkowska E, Skwarło-Sońta K, Eyre M, Cozzi G, Larsen MK, Jordon T, Niggli U, Sakowski T, Calder PC, Burdge GC, Sotiraki S, Stefanakis A, Stergiadis S, Yolcu H, Chatzidimitriou E, Butler G, Stewart G, Leifert C. Higher PUFA and n-3 PUFA, conjugated linoleic acid,  $\alpha$ -tocopherol and iron, but lower iodine and selenium concentrations in organic milk: a systematic literature review and meta- and redundancy analyses. *Br J Nutr*. 2016 Mar 28;115(6):1043-60. doi: 10.1017/S0007114516000349. Epub 2016 Feb 16. PMID: 26878105; PMCID: PMC4838834.

Swiss dietary recommendations: scientific background.Final report.CHUV.2023

**Taubes, Gary: Good Calories, Bad Calories.Anchor Books.2008**

**[Teague et al.2016] The role of ruminants in reducing agriculture's carbon footprint in North America.W.R. Teague, S. Apfelbaum, R. Lal, U.P. Kreuter, J. Rowntree, C.A. Davies, R. Conser, M. Rasmussen, J. Hatfield, T. Wang, F. Wang, P. Byck.Journal of Soil and Water Conservation Mar 2016, 71 (2) 156-164; DOI: 10.2489/jswc.71.2.156**

Thorbecke, Mariko; Dettling, Jon.Carbon footprint evaluation of regenerative grazing at White Oak Pastures.2019

**Teicholz, Nina: The Big Fat Surprise. Simon & Schuster.2015**

Teicholz, Nina: [Americans Have Followed The US Dietary Guidelines: Meat Consumption 1970-2014](#).2018

Teicholz, Nina: [Macronutrient Shift](#). 2018

Teicholz, Nina: [Majority of EAT-Lancet Authors \(78%\) Favored Vegan/Vegetarian Diets](#).2019a

Teicholz, Nina: [Walter Willett's potential conflicts of interest as related to the EAT-Lancet report](#).2019b

Teicholz, Nina: [EAT-Lancet Report is One-sided, Not Backed by Rigorous Science](#).2019c

Teicholz, Nina: [Harvard Has Been Anti-Meat for 30+ Years—Why?](#) 2023

Thompson, Logan & Rowntree, Jason. (2020). INVITED REVIEW: Methane sources, quantification, and mitigation in grazing beef systems. *Applied Animal Science*. 36. 556-573. 10.15232/aas.2019-01951.

**Van Vliet S, Kronberg SL, Provenza FD. 'Plant-Based Meats, Human Health, and Climate Change'. *Frontiers in Sustainable Food Systems* 4 (2020). <https://doi.org/10.3389/fsufs.2020.00128>**

Wardlaw's perspectives in nutrition. Carol Byrd-Bredbenner et al.8th edition.2009

Werth, Samantha: [The Biogenic Carbon Cycle and Cattle](#). CLEAR Center at UC Davis.2020

White, R and Hall, MB. Nutritional and greenhouse gas impacts of removing animals from US agriculture. *PNAS* Nov 28, 2017 114(48) E10301-E10308. <https://www.pnas.org/content/114/48/E10301>

Wir Bio-Banausen. Luzerner Zeitung 22.6.2023 (über die Studie des GDI European Food Trends Report. Feeding the Future: Chancen für ein nachhaltiges Ernährungssystem)

Wirz, Albert: Die Moral auf dem Teller.Chronos.1993

Willett W, Rockström J, Loken B, Springmann M, Lang T, Vermeulen S, Garnett T, Tilman D, DeClerck F, Wood A, Jonell M, Clark M, Gordon LJ, Fanzo J, Hawkes C, Zurayk R, Rivera JA, De Vries W, Majele Sibanda L, Afshin A, Chaudhary A, Herrero M, Agustina R, Branca F, Lartey A, Fan S, Crona B, Fox E, Bignet V, Troell M, Lindahl T, Singh S, Cornell SE, Srinath Reddy K, Narain S, Nishtar S, Murray CJL. Food in the Anthropocene: the EAT-Lancet Commission on healthy diets from sustainable food systems. *Lancet*. 2019 Feb 2;393(10170):447-492. doi: 10.1016/S0140-6736(18)31788-4. Epub 2019 Jan 16. Erratum in: *Lancet*. 2019 Feb 9;393(10171):530. Erratum in: *Lancet*. 2019 Jun 29;393(10191):2590.

Erratum in: Lancet. 2020 Feb 1;395(10221):338. Erratum in: Lancet. 2020 Oct 3;396(10256):e56. PMID: 30660336.
Xie J, Wang M, Long Z, Ning H, Li J, Cao Y et al. Global burden of type 2 diabetes in adolescents and young adults, 1990-2019: systematic analysis of the Global Burden of Disease Study 2019 BMJ 2022; 379 :e072385 doi:10.1136/bmj-2022-072385
You W, Henneberg R, Saniotis A, Ge Y, Henneberg M. Total Meat Intake is Associated with Life Expectancy: A Cross-Sectional Data Analysis of 175 Contemporary Populations. Int J Gen Med. 2022 Feb 22;15:1833-1851. doi: 10.2147/IJGM.S333004. PMID: 35228814; PMCID: PMC8881926
Young, S. & Karr, Alan. (2011). Deming, Data and Observational Studies. Significance. 8. 116 - 120. 10.1111/j.1740-9713.2011.00506.x.
Zimmermann et al. (2017): Umwelt- und ressourcenschonende Ernährung: Detaillierte Analyse für die Schweiz. Agroscopie Science Nr. 55. Ettenhausen