

# Food System Strategic Assessment:

## References

- Allen, S., Allen, D., Karbalaei, S., Maselli, V., & Walker, T. R. (2022). Micro(nano)plastics sources, fate, and effects: What we know after ten years of research. *Journal of Hazardous Materials Advances*, 6, 100057. <https://doi.org/10.1016/j.hazadv.2022.100057>
- Armstrong, B., King, L., Clifford, R., Jitlal, M., Ibrahimi-Jarchlo, A., & Mears, K. (2023). [Food and you 2, wave 4](#). FSA.
- Armstrong, B., King, L., Clifford, R., Jitlal, M., Ibrahimi-Jarchlo, A., Mears, K., Parnell, C., & Mensah, D. (2023). [Food and You 2: Wave 5](#). FSA (PDF).
- Bank of England. (2023). [Monetary policy summary and minutes, February 2023](#) (PDF)
- Bayford, K. (2022). [Vegetable consumption falls by 7.5% as consumers grapple with cost-of-living crisis](#). *Grocery Gazette*.
- Benton, T. G., Bieg, C., Harwatt, H., Pudasaini, R., & Wellesley, L. (2021). Food system impacts on biodiversity loss Three levers for food system transformation in support of nature. Chatham House, The Royal Institute of International Affairs, Research Paper.
- Borghesi, G., Stefanini, R., & Vignali, G. (2022). Are consumers aware of products' environmental impacts? Different results between life cycle assessment data and consumers' opinions: the case study of organic Parmigiano Reggiano and its packaging. *International Journal of Food Engineering*, 18(3), 185–192. <https://doi.org/10.1515/ijfe-2021-0025>
- Boston Consulting Group. (2022). [Artificial Intelligence and AI at Scale](#).
- Bristow, T. (2017). [Revealed: How Norfolk has become UK's "mega farm" capital](#). *Eastern Daily Press*.
- British Veterinary Association. (2021). Written evidence submitted by the British Veterinary Association (BVA)(SME0027). [Written Evidence to Parliament February 2021](#).
- Brouwer, I. D., McDermott, J., & Ruben, R. (2020). Food systems everywhere: Improving relevance in practice. *Global Food Security*, 26, 100398. <https://doi.org/10.1016/j.gfs.2020.100398>
- Bryant, M. (2023). [Food bank Britain: five months on the frontline of the new emergency service](#). *The Guardian*.
- Burton, C. (2023). [Are consumers deprioritising health? AHDB](#).
- Chacha, J. S., Zhang, L., Ofoedu, C. E., Suleiman, R. A., Dotto, J. M., Roobab, U., Agunbiade, A. O., Duguma, H. T., Mkojera, B. T., Hossaini, S. M., Rasaan, W. A., Shorstkii, I., Okpala, C. O. R., Korzeniowska, M., & Guiné, R. P. F. (2021). Revisiting Non-Thermal Food Processing and Preservation Methods—Action Mechanisms, Pros and Cons: A Technological Update (2016–2021). *Foods*, 10(6), 1430. <https://doi.org/10.3390/foods10061430>
- Colley, C., & Wasley, A. (2022). [UK has more than 1,000 livestock mega-farms, investigation reveals](#). *The Guardian*.
- Corbin, T. (2023). [Cost-of-living crisis pushes 1 in 5 to go meat-free, according to research](#). *Independent Retail News*.
- Coyne, A. (2022, December 19). [That déjà vu feeling – the UK packaged food industry in 2023](#). *Just Food*.
- Creswell, J. (2022). [Beyond Meat is Struggling, and the Plant-Based Meat Industry Worries](#). *The New York Times*.
- Cruz, R. M. S., Krauter, V., Krauter, S., Agriopoulou, S., Weinrich, R., Herbes, C., Scholten, P. B. V., Uysal-Unalan, I., Sogut, E., Kopacic, S., Lahti, J., Rutkaite, R., & Varzakas, T. (2022). Bioplastics for Food Packaging: Environmental Impact, Trends and Regulatory

- Aspects. Foods, 11(19), 3087. <https://doi.org/10.3390/foods11193087>
- Custers, R., & Dima, O. (2022). Genome-edited crops and 21st century food system challenges. European Parliamentary Research Service. (PDF)
  - de Castro, R. J. S., Ohara, A., Aguilar, J. G. dos S., & Domingues, M. A. F. (2018). Nutritional, functional and biological properties of insect proteins: Processes for obtaining, consumption and future challenges. Trends in Food Science & Technology, 76, 82–89. <https://doi.org/10.1016/j.tifs.2018.04.006>
  - Defra. (2021a). [Farming Innovation Programme](#).
  - Defra. (2021b). [Integrated Pest Management; Guidance](#).
  - Defra. (2021c). [Summary of responses to a consultation on the regulation of genetic technologies](#). UK Government, Consultation Outcome. (PDF)
  - Defra. (2021d). [Total Income from Farming in England in 2021](#).
  - Defra. (2021e). [Farming statistics - final crop areas, yields, livestock populations and agricultural workforce at 1 June 2021- UK](#) . National Statistics.
  - Defra. (2021f). [United Kingdom Food Security Report 2021](#). Official Statistics.
  - Defra. (2022a). [Latest horticulture statistics](#) . National Statistics.
  - Defra. (2022b). [Automation in horticulture review](#) . Defra.
  - Defra. (2022c). [New Farming Policies and Payments in England](#). Defra. (PDF)
  - Defra. (2023). [Plant biosecurity strategy for Great Britain \(2023 to 2028\)](#) . Policy Paper.
  - Delardas, O., Kechagias, K. S., Pontikos, P. N., & Giannos, P. (2022). Socio-Economic Impacts and Challenges of the Coronavirus Pandemic (COVID-19): An Updated Review. Sustainability, 14(15), 9699. <https://doi.org/10.3390/su14159699>
  - Department for Energy Security and Net Zero and Department for Business, E. & I. S. (2023, March). [National Statistics, Weekly road fuel prices](#).
  - Dey, A., Dhupal, C. V., Sengupta, P., Kumar, A., Pramanik, N. K., & Alam, T. (2021). Challenges and possible solutions to mitigate the problems of single-use plastics used for packaging food items: a review. Journal of Food Science and Technology, 58(9), 3251–3269. <https://doi.org/10.1007/s13197-020-04885-6>
  - DiNapoli, J., & Naidu, R. (2023). [Food makers, feeling squeezed, pull the plug on slow-selling products](#). Reuters.
  - Douglas, L. (2022). [Lab-grown meat cleared for human consumption by U.S. regulator](#). Reuters.
  - EFSA. (2021). [Titanium dioxide: E171 no longer considered safe when used as a food additive](#). EFSA Newsroom.
  - Elliott, M. (2021). [The Role of the UK Food System in Meeting Global Agreements: Multi-Stakeholder Dialogue \(2021\)](#). The Global Food Security Programme, UK Research and Innovation.
  - Ettinger, L., Falkeisen, A., Knowles, S., Gorman, M., Barker, S., Moss, R., & McSweeney, M. B. (2022). Consumer Perception and Acceptability of Plant-Based Alternatives to Chicken. Foods, 11(15), 2271. <https://doi.org/10.3390/foods11152271>
  - European Commission. (2015). [Regulation \(EU\) 2015/2283 of the European Parliament and of the Council](#). The National Archives.
  - European Commission. (2021). [EU Agricultural Outlook, For Markets, Income and Environment 2021-2031](#). (PDF)
  - European Commission. (2022). [European Green Deal: Putting an end to wasteful packaging, boosting reuse and recycling](#). European Commission, Press Release.
  - European Commission. (2023). [Approval of fourth insect as a Novel Food](#).
  - FAO. (2022). [Hunger and food insecurity](#).
  - FAO. (2023). [Food Balances \(2010-\)](#).
  - Forrest, A. (2022). [Food banks struggle with 'tsunami of need' as donations drop](#). The Independent.
  - FSA. (2021). [Healthy and Sustainable Diets: Consumer Poll](#).
  - FSA. (2022a). [Written evidence submitted by the Food Standards Agency \(FS0082\)](#). (PDF)
  - FSA. (2022b). [Alternative proteins: consumer survey](#). FSA News. (PDF)

- FSA. (2022c). [Urgent progress needed on a unified eco-labelling system for food in the UK](#). FSA News.
- FSA. (2022d). [FSA 22-06-18 - Veterinary Resourcing Update](#). FSA.
- FSA. (2022e). [Emily Miles' stakeholder update - Safer takeaways and the power of online platforms](#). FSA.
- FSA. (2022f). [Latest FSA consumer survey tracks level of concern around the price of food at Christmas and New Year](#).
- FSA. (2023). [Consumer perceptions of precision breeding](#).
- Garnett, P., Doherty, B., & Heron, T. (2020). Vulnerability of the United Kingdom's food supply chains exposed by COVID-19. *Nature Food*, 1(6), 315–318. <https://doi.org/10.1038/s43016-020-0097-7>
- Garrett, A., Watson, R., Pegg-Darlison, S., & McCann, N. (2023). [Fish as Food: A review of developments in UK seafood consumption, implications, and practical responses](#). *Seafish*.
- Ghobakhloo, M. (2020). Industry 4.0, digitization, and opportunities for sustainability. *Journal of Cleaner Production*, 252, 119869. <https://doi.org/10.1016/j.jclepro.2019.119869>
- Goukens, C., & Klesse, A. K. (2022). Internal and external forces that prevent (vs. Facilitate) healthy eating: Review and outlook within consumer Psychology. *Current Opinion in Psychology*, 46, 101328. <https://doi.org/10.1016/j.copsy.2022.101328>
- Grand View Research. (2019). [Edible Insects Market Size, Share & Trends Analysis Report By Product \(Beetles, Cricket\), By Application \(Powder, Protein Bars\), By Region, And Segment Forecasts, 2019 - 2025](#).
- Greenpeace. (2020). [Trashed, How the UK is still dumping plastic waste on the rest of the world](#).
- Greenpeace. (2022). [Circular Claims Fall Flat Again](#).
- Gros, C. (2015). *Complex and Adaptive Dynamical Systems*. Springer International Publishing. <https://doi.org/10.1007/978-3-319-16265-2>
- Harvey, F. (2023). [England needs new reservoirs or food supplies will be at risk, warns NFU chief](#). *The Guardian*.
- Hasnain, S., Ingram, J., & Zurek, M. (2020). *Mapping the UK Food System – a report for the UKRI Transforming UK Food Systems Programme*.
- Heard, H., & Bogdan, A. (2021). [Healthy and Sustainable Diets: Consumer Poll](#). FSA. (PDF)
- HM Government. (2022a). [The Benefits of Brexit. How the UK is taking advantage of leaving the EU](#). (PDF)
- HM Government. (2022b). [UK Climate Change Risk Assessment 2022](#). (PDF)
- HM Government. (2022c). [The Border with the European Union, Importing and Exporting Goods - Border Strategy and Design, June 2022](#). (PDF)
- Horti Daily. (2022). [UK growers stop planting and put nurseries on sale amidst energy crisis and labour shortages](#). *Horti Daily*.
- House of Lords Economic Affairs Committee. (2022). [Where have all the workers gone?](#) House of Lords Economic Affairs Committee. (PDF)
- Hughes, J. (2023, January 26). [Environmental land management schemes: details of actions and payments](#).
- Hundleby, P., & Harwood, W. (2022). Regulatory Constraints and Differences of Genome-Edited Crops Around the Globe. In *Genome Editing* (pp. 319–341). Springer International Publishing. [https://doi.org/10.1007/978-3-031-08072-2\\_17](https://doi.org/10.1007/978-3-031-08072-2_17)
- Ingram, J. (2020). Nutrition security is more than food security. *Nature Food*, 1(1), 2–2. <https://doi.org/10.1038/s43016-019-0002-4>
- IPCC. (2023). [Synthesis report of the IPCC sixth assessment report \(AR6\)](#). (PDF)
- IPIFF. (2022). EU Regulation; Insect producers must conform with the same general rules that apply to operators in other sectors. *International Platform of Insects for Food and Feed (IPIFF)*.
- Ipsos. (2022). [Qualitative research exploring community food provision](#). FSA. (PDF)
- Irvine, S., Gorb, A., & Francis-Devine, B. (2022). [Food Banks in the UK](#). *House of Commons Library*. (PDF)

- Jordan, R. (2023). [Is fake meat a real solution? Stanford expert explains. Stanford News.](#)
- Kishan, H. (2023). [Global 2023 economic view downgraded, at odds with market optimism - Reuters poll. Reuters.](#)
- Lawless, J. (2022). ["Cucumber capital" growers selling up as Brexit and energy crisis hits Britain's vegetable industry. The Guardian.](#)
- Lawrence, S., Elliott, C., Huisman, W., Dean, M., & van Ruth, S. (2022). The 11 sins of seafood: Assessing a decade of food fraud reports in the global supply chain. *Comprehensive Reviews in Food Science and Food Safety*, 21(4), 3746–3769. <https://doi.org/10.1111/1541-4337.12998>
- Leggieri, M. C., Toscano, P., & Battilani, P. (2021). Predicted Aflatoxin B1 Increase in Europe Due to Climate Change: Actions and Reactions at Global Level. *Toxins*, 13(4), 292. <https://doi.org/10.3390/toxins13040292>
- Legraien, L. (2023, January). [Trussell Trust records £16m deficit amid six-fold rise in food bank grants. Civil Society.](#)
- Leon, F. M. (2023, April 11). [Alert! The latest El Niño forecast suggests an intense event.](#)
- Leslie, H. A., van Velzen, M. J. M., Brandsma, S. H., Vethaak, A. D., Garcia-Vallejo, J. J., & Lamoree, M. H. (2022). Discovery and quantification of plastic particle pollution in human blood. *Environment International*, 163, 107199. <https://doi.org/10.1016/j.envint.2022.107199>
- Levitt, T. (2021). [Netherlands announces €25bn plan to radically reduce livestock numbers. The Guardian.](#)
- Lewis, E. (2022). A food revolution – cultivated meat. *Food Science and Technology*, 36(2), 29–31. [https://doi.org/10.1002/fsat.3602\\_6.x](https://doi.org/10.1002/fsat.3602_6.x)
- Lewis, J. (2022). [Understanding Environmental Labelling. BDA, The Association of UK Dietitians.](#)
- Li, H., Aguirre-Villegas, H. A., Allen, R. D., Bai, X., Benson, C. H., Beckham, G. T., Bradshaw, S. L., Brown, J. L., Brown, R. C., Cecon, V. S., Curley, J. B., Curtzwiler, G. W., Dong, S., Gaddameedi, S., García, J. E., Hermans, I., Kim, M. S., Ma, J., Mark, L. O., ... Huber, G. W. (2022). Expanding plastics recycling technologies: chemical aspects, technology status and challenges. *Green Chemistry*, 24(23), 8899–9002. <https://doi.org/10.1039/D2GC02588D>
- Lotfian, P., Strauss, B., & Short, S. (2022). [Tech trend report 2022. New Food.](#)
- Lydgate, E., & Anthony, C. (2022). Brexit, food law and the UK's search for a post?EU identity. *The Modern Law Review*, 85(5), 1168–1190. <https://doi.org/10.1111/1468-2230.12735>
- Lydgate, E., Anthony, C., & Millstone, E. (2019). [Brexit Food Safety Legislation and Potential Implications for UK Trade: The Devil in the Details. UK Trade Policy Observatory. \(PDF\)](#)
- Macaskill, A. (2023). [Factbox: Britain's new Brexit trade deal - what has been agreed? Reuters.](#)
- Made Smarter. (2022). [Made Smarter reaches major milestone backing 200th business. Made Smarter Press Release.](#)
- Magnano San Lio, R., Favara, G., Maugeri, A., Barchitta, M., & Agodi, A. (2023). How Antimicrobial Resistance Is Linked to Climate Change: An Overview of Two Intertwined Global Challenges. *International Journal of Environmental Research and Public Health*, 20(3), 1681. <https://doi.org/10.3390/ijerph20031681>
- [MakeUK The Manufacturers' Organisation. \(2022\). Manufacturing Outlook 2022 Quarter 4.](#)
- Matthews, V. (2022). [Choice paralysis: why retailers are finding that less is more. Raconteur.](#)
- May, R. (2021). [We need standardisation on eco-labelling. New Food.](#)
- McNamara, C. (2022). [Digitalization: The Future of Food & Beverage. Smart Industry, SIEMENS. \(PDF\)](#)
- Melchor-Martínez, E. M., Macías-Garbett, R., Alvarado-Ramírez, L., Araújo, R. G., Sosa-Hernández, J. E., Ramírez-Gamboa, D., Parra-Arroyo, L., Alvarez, A. G., Monteverde, R. P. B., Cazares, K. A. S., Reyes-Mayer, A., Yáñez Lino, M., Iqbal, H. M. N., & Parra-



- Saldívar, R. (2022). Towards a Circular Economy of Plastics: An Evaluation of the Systematic Transition to a New Generation of Bioplastics. *Polymers*, 14(6), 1203. <https://doi.org/10.3390/polym14061203>
- Munro, C. (2023, January 13). [Great News for Cows: Plans for Europe's Largest Dairy Farm Blocked. PETAUK.](#)
  - National Farmers Union. (2022). [Millions of pounds of fruit and veg wasted due to workforce shortages.](#)
  - NFU. (2022, December). [Urgent action needed to secure home-grown food supply to avoid shortages.](#)
  - Office for National Statistics. (2022, April 4). [Recent challenges faced by food and drink businesses and their impact on prices .](#)
  - Office for National Statistics. (2023a). [Consumer price inflation, UK: January 2023.](#)
  - Office for National Statistics. (2023b, March 10). [Cost of living insights.](#)
  - Office for National Statistics. (2023c). [Consumer price inflation, UK: February 2023.](#)
  - Osborne Clarke. (2023, January 27). [Food law, UK Regulatory Outlook January 2023. Osborne Clarke.](#)
  - Pakseresht, A., Ahmadi Kaliji, S., & Canavari, M. (2022). Review of factors affecting consumer acceptance of cultured meat. *Appetite*, 170, 105829. <https://doi.org/10.1016/j.appet.2021.105829>
  - Partridge, J. (2023). ['We have to pay more for food': Britain's biggest tomato farmer on the runaway costs of growing. The Guardian.](#)
  - Partridge, J., & Makortoff, K. (2022). [UK risks sleepwalking into food supply crisis, says farmers' union. The Guardian.](#)
  - Perrett, M. (2022a). [Government urged to intervene as industry faces CO2 crisis. Food Manufacture.](#)
  - Perrett, M. (2022b). [£3bn of food and drink stuck in UK warehouses due to supply chain delays. Food Manufacture.](#)
  - Perrett, M. (2023). [Key trends for 2023's food and drink industries. Food Manufacture .](#)
  - Pettifer, K., & Patel, M. (2022). [FSA 22-06-09 Household Food Insecurity: main report. FSA](#)
  - Prescott-Smith, S., & Smith, M. (2022). [Meet Britain's vegans and vegetarians. YouGov.](#)
  - Public Health England. (2020, December 11). NDNS: results from years 9 to 11 (2016 to 2017 and 2018 to 2019) . [Results from the National Diet and Nutrition Survey Rolling Programme for 2016 to 2017 and 2018 to 2019 for Food Consumption, Nutrient Intakes and Nutritional Status.](#)
  - Purkiss, D., Allison, A. L., Lorencatto, F., Michie, S., & Miodownik, M. (2022). The Big Compost Experiment: Using citizen science to assess the impact and effectiveness of biodegradable and compostable plastics in UK home composting. *Frontiers in Sustainability*, 3. <https://doi.org/10.3389/frsus.2022.942724>
  - PwC. (2022). [Economic study of returnable refillable PET in the EU soft drinks industry. \(PDF\)](#)
  - Raffan, S., Oddy, J., Mead, A., Barker, G., Curtis, T., Usher, S., Burt, C., & Halford, N. G. (2023). Field assessment of genome-edited, low asparagine wheat: Europe's first <sc>CRISPR</sc> wheat field trial. *Plant Biotechnology Journal*. <https://doi.org/10.1111/pbi.14026>
  - Ridler, G. (2022a). ["Record year" for investment into meat alternatives. Food Manufacture.](#)
  - Ridler, G. (2022b). [Digital transformation: where now for food processing firms? Food Manufacture.](#)
  - Rizvi, A., Wasfi, R., Enns, A., & Kristjansson, E. (2021). The impact of novel and traditional food bank approaches on food insecurity: a longitudinal study in Ottawa, Canada. *BMC Public Health*, 21(1), 771. <https://doi.org/10.1186/s12889-021-10841-6>
  - Rockström, J., Edenhofer, O., Gaertner, J., & DeClerck, F. (2020). Planet-proofing the global food system. *Nature Food*, 1(1), 3–5. <https://doi.org/10.1038/s43016-019-0010-4>
  - Rogers, N. T., Cummins, S., Forde, H., Jones, C. P., Mytton, O., Rutter, H., Sharp, S. J., Theis, D., White, M., & Adams, J. (2023). Associations between trajectories of obesity

prevalence in English primary school children and the UK soft drinks industry levy: An interrupted time series analysis of surveillance data. *PLOS Medicine*, 20(1), e1004160. <https://doi.org/10.1371/journal.pmed.1004160>

- Royal College of Veterinary Surgeons. (2022). [Recruitment, retention and return in the veterinary profession, Preliminary report V2, May 2022rt. RCVS Workforce Summit 2021](#). Figures from the RCVS Register, joiners from 2013 to 2018.
- Schneider, L., Rebetz, M., & Rasmann, S. (2022). The effect of climate change on invasive crop pests across biomes. *Current Opinion in Insect Science*, 50, 100895. <https://doi.org/10.1016/j.cois.2022.100895>
- Seafish. (2023). [Value and importance of aquaculture. Seafish](#).
- Short, S., Strauss, B., & Lotfian, P. (2021). Emerging technologies that will impact on the UK Food System. <https://doi.org/10.46756/sci.fsa.srf852>
- Short, S., Strauss, B., & Lotfian, P. (2022a). Food in the digital platform economy – making sense of a dynamic ecosystem. <https://doi.org/10.46756/sci.fsa.jbr429>
- Short, S., Strauss, B., & Lotfian, P. (2022b). [Alternative proteins for human consumption. FSA. \(PDF\)](#)
- Siegrist, M., & Hartmann, C. (2020). Consumer acceptance of novel food technologies. *Nature Food*, 1(6), 343–350. <https://doi.org/10.1038/s43016-020-0094-x>
- Sigurdsson, V., Larsen, N. M., Pálsdóttir, R. G., Folwarczny, M., Menon, R. G. V., & Fagerstrøm, A. (2022). Increasing the effectiveness of ecological food signaling: Comparing sustainability tags with eco-labels. *Journal of Business Research*, 139, 1099–1110. <https://doi.org/10.1016/j.jbusres.2021.10.052>
- Skendžić, S., Zovko, M., Živković, I. P., Lešić, V., & Lemić, D. (2021). The Impact of Climate Change on Agricultural Insect Pests. *Insects*, 12(5), 440. <https://doi.org/10.3390/insects12050440>
- Smith, K., & Garnet, E. (2022). [Official estimates indicate that meat consumption is falling in the UK – not all of the data agrees. Salon](#).
- Sosenko, F., Bramley, G., & Bhattacharjee, A. (2022). Understanding the post-2010 increase in food bank use in England: new quasi-experimental analysis of the role of welfare policy. *BMC Public Health*, 22(1), 1363. <https://doi.org/10.1186/s12889-022-13738-0>
- Southey, F. (2021). [What are the challenges of environmental labelling of food? Food Navigator Europe](#).
- Southey, F. (2022). [Post-Brexit food labelling: what issues and opportunities face UK operators](#). Food Navigator Europe.
- Stein, A. J., & Santini, F. (2022). The sustainability of “local” food: a review for policy-makers. *Review of Agricultural, Food and Environmental Studies*, 103(1), 77–89. <https://doi.org/10.1007/s41130-021-00148-w>
- Stephenson, L. (2017). Factory farms: [Six-fold increase in Gloucestershire and Somerset permits since 2010. The Bristol Cable](#).
- Stewart, C., Piernas, C., Cook, B., & Jebb, S. A. (2021). Trends in UK meat consumption: analysis of data from years 1–11 (2008–09 to 2018–19) of the National Diet and Nutrition Survey rolling programme. *The Lancet Planetary Health*, 5(10), e699–e708. [https://doi.org/10.1016/S2542-5196\(21\)00228-X](https://doi.org/10.1016/S2542-5196(21)00228-X)
- Storey, D. (2022, December 28). [2023 UK Market Forecast. Tracegains](#).
- Sudworth, R., & Johnson, J. (2022). [FSA 22-06-04 - FSA Response to Ukraine Conflict Supply Chain Disruption: Ingredient Substitution and Labelling](#). FSA.
- Swire, J. (2022, April 13). [75% of farmers say regenerative farming is important for the future, survey finds. Agronomist & Arable Farmer](#).
- Tai, A. P. K., Sadiq, M., Pang, J. Y. S., Yung, D. H. Y., & Feng, Z. (2021). Impacts of Surface Ozone Pollution on Global Crop Yields: Comparing Different Ozone Exposure Metrics and Incorporating Co-effects of CO<sub>2</sub>. *Frontiers in Sustainable Food Systems*, 5. <https://doi.org/10.3389/fsufs.2021.534616>
- Tani, C. (2022). [EU agriculture ministers move closer to consensus on gene editing of crops. Science Business](#).

- Taylor, K. (2022, November 3). EU set to adopt mandatory recycled content targets in new packaging law. Euractive <https://bit.ly/3WIEWQ9>.
- The European Commission. (2023). [COMMISSION REGULATION \(EU\) 2023/465 of 3 March 2023 amending Regulation \(EC\) No 1881/2006 as regards maximum levels of arsenic in certain foods](#). The European Commission.
- The Food Foundation. (2022a). [Food Insecurity Tracking, Adults](#).
- [The Food Foundation. \(2022b, September\). Food Insecurity Tracking, Children](#).
- The Food Safety Authority of Ireland. (2022). [Titanium Dioxide is No Longer Authorised as a Food Additive in the EU from 7 August 2022](#).
- The World Bank. (2023, February). [Food security update, March 9, 2023. \(PDF\)](#)
- Thomas, H. (2022). [The rotten state of Brexit for the food industry](#). Financial Times.
- Tso, R., & Forde, C. G. (2021). Unintended Consequences: Nutritional Impact and Potential Pitfalls of Switching from Animal- to Plant-Based Foods. *Nutrients*, 13(8), 2527. <https://doi.org/10.3390/nu13082527>
- UK Government. (2018). [The Novel Foods \(England\) Regulations 2018](#). The National Archives.
- UK Government. (2022). [Restricting promotions of products high in fat, sugar or salt by location and by volume price: implementation guidance](#). Department of Health and Social Care, [Guidance](#).
- UK Government. (2023a). [Family food statistic. Collection](#).
- UK Government. (2023b). [Skills and labour shortages](#). House of Commons Library, [Research Briefing](#).
- UK Government. (2023c). [Food statistics in your pocket](#). National Statistics.
- UK Government. (2023d). Retained EU Law (Revocation and Reform) Bill. <https://bills.parliament.uk/bills/3340>
- UK Parliament. (2023). [Rising cost of living in the UK](#). House of Commons Library.
- Unesda Soft Drinks Europe. (2022). [Reusable packaging as a complementary way to make packaging more circular](#).
- van Bussel, L. M., Kuijsten, A., Mars, M., & van 't Veer, P. (2022). Consumers' perceptions on food-related sustainability: A systematic review. *Journal of Cleaner Production*, 341, 130904. <https://doi.org/10.1016/j.jclepro.2022.130904>
- van Vliet, S., Bain, J. R., Muehlbauer, M. J., Provenza, F. D., Kronberg, S. L., Pieper, C. F., & Huffman, K. M. (2021). A metabolomics comparison of plant-based meat and grass-fed meat indicates large nutritional differences despite comparable Nutrition Facts panels. *Scientific Reports*, 11(1), 13828. <https://doi.org/10.1038/s41598-021-93100-3>
- Walker, T. R. (2021). Canada is right to classify single-use plastics as toxic. *Nature*, 594(7864), 496–496. <https://doi.org/10.1038/d41586-021-01701-9>
- [Which? \(2021\). Supporting consumers in the transition to net zero](#).
- 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, L. J., Fanzo, J., Hawkes, C., Zurayk, R., Rivera, J. A., De Vries, W., Majele Sibanda, L., ... Murray, C. J. L. (2019). Food in the Anthropocene: the EAT–Lancet Commission on healthy diets from sustainable food systems. *The Lancet*, 393(10170), 447–492. [https://doi.org/10.1016/S0140-6736\(18\)31788-4](https://doi.org/10.1016/S0140-6736(18)31788-4)
- World Meteorological Organization. (2022). [WMO predicts first “triple-dip” La Niña of the century](#).
- World Wide Fund for Nature - UK. (2021). [The Future of Feed: A WWF Roadmap to Accelerating Insect Proteins in UK Feeds \(PDF\)](#) .
- [YouGov. \(2023\). Dietary choices of Brits](#) (for example, vegetarian, flexitarian, meat-eater etc)? .