



HOT SOURCE

Global food integrity issues
and emerging risks

July-September 2022

Q3

FOODCHAIN 

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Dear Reader

HorizonScan gives you access to real-time data, from food fraud to allergens.

Understanding how safe your ingredients are will protect your organisation from recalls, but also protect the community, environment, and the lives of everyone who consume your products.

Recently, major drivers have put the world off track to ending world hunger and malnutrition in all its forms by 2030. Therefore, protecting your supply chain can help transform agrifood systems and build a better sustainable economic growth for all suppliers across the globe.

HorizonScan have been collecting global official data for 20+ years covering over 500 commodities, 180 countries, 22,000 suppliers and hazards, from food fraud to allergens and microbes.

This data powers Horizonscan, but if you'd like advanced features or correlation with other data sets, then contact us at horizonscan@foodchainid.com and ask about our bespoke data services.

The HorizonScan Team



Food fraud issues:

- More than 8kg of MDMA (a synthetic drug that acts as a stimulant and hallucinogenic) have been found in two separate shipments of pet food. Organised Crime Partnership (OCP) Scotland were called to the scene after Border Force officers discovered the two parcels at a postal hub in Coventry, which were bound for addresses in Scotland, UK.
- Authorities in the United Kingdom have advised businesses to test soya lecithin from India because of potential peanut contamination. The issue was raised by Germany via a Rapid Alert System for Food and Feed (RASFF) report in late April and affects about 60 countries including the United States. Another four alerts have been made since, with three by Spain and one from Italy.
- According to a statement from Europol, the European Union's law enforcement agency, the seventh edition of Silver Axe, Europol's annual operation targeting illegal pesticides, identified the new trends emerging on the EU black market for plant protection products. The operational activities of Silver Axe VII focused on ports, airports and other entry points where the import and export of illegal and counterfeit pesticides could be detected. These actions led to ten arrests, the seizure of 1,150 tons of illegal and counterfeit pesticides and the targeting of a factory where pesticides were being counterfeited.
- Greek victory over 'feta' as EU court takes Danish imitation off the table. According to the European Court of Justice, Denmark has failed to fulfil its obligations under EU law by continuing to sell 'feta' cheese to third countries.
- The war in Ukraine and impact on the supply and transit for wheat and fertilizers in the Black Sea is tilting global food security into a state of 'high risk', new analysis from consultancy McKinsey & Company has revealed.
- The European Commission is to change the rules around the presence of ethylene oxide in food additives. A revision was made because of the challenge in enforcing the current law because of a lack of clarity on the source of ethylene oxide in food additives. In the EU, use of the chemical to disinfect food is not permitted.

Emerging issues:


- Colombia has reported for the first time the recall of some mineral water due to being a fraudulent product.
- An emerging issue has appeared in HorizonScan following the release of a RASFF report over poor temperature control in Pacific cod from The Russian Federation.
- The detection of undeclared sulphur dioxide in soya sauce from Indonesia has been considered an emerging issue by HorizonScan.
- For the first time, the exceedance of 3-MCPD in sunflower oil from Germany has been reported by The Netherlands.
- The detection of unauthorised genetically modified organisms (LL RICE 601) in dried rice noodles from Vietnam has been classified as an emerging issue by HorizonScan. The problem has been notified by Malta.
- The report concerning the presence of benzo(a)pyrene and polycyclic aromatic hydrocarbons (PAHs) in matcha tea powder from China, via the Netherlands, has been considered an emerging issue by HorizonScan.

Increasing issues:

- Detections of Salmonella in raw meat-based pet food in the United Kingdom have hit their highest ever level, according to a report. This poses a risk to people who handle it. Data on Salmonella reports from livestock species and in feed and pet food in England, Wales and Scotland was collected by the Animal and Plant Health Agency (APHA) for 2021.
- Rushing through a trade deal with India could spark a rise in toxic pesticides in UK food, warned industry experts.
- An increasing issue has been picked up by HorizonScan concerning the detection of *Vibrio vulnificus* in shrimps from Ecuador.
- Malta, Norway and The Netherlands have noticed an increase in reports concerning the presence of pesticide residues in avocados from Kenya.
- Reports alerting about insufficient controls in octopus from Mauritania, and notified by Spain, have been considered an increasing issue by HorizonScan.
- The Czech Republic is seeing an increase in the number of reports regarding pesticide residues being detected in chilli peppers exported from Cambodia. The active substances being found are chlorfenapyr, flusilazole, hexaconazole, permethrin, profenofos, propiconazole, tolfenpyrad, tricyclazole, chlorfluazuron, carbofuran, ethion, triazophos, diafenthiuron, chlorpyrifos, buprofezin, carbaryl, propargite, prochloraz, propiconazole, tebufenpyrad and tolclofos-methyl.
- Japan is seeing an increase in the number of reports concerning pesticides residues in coffee beans being imported from Indonesia.
- There has been an increment in number of reports related to the possible presence of *Listeria monocytogenes* in smoked fish from France.



Q3 results 2022












		Quarter change from Q2 2022	Annual change from Q3 2021
	Poultry & poultry products	↑ 1.3%	↓ 12.7%
	Seafood	↓ 20.6%	↓ 6.6%
	Milk & dairy products	↑ 55.6%	↓ 43.3%
	Meat & meat products (excluding poultry)	↑ 4.3%	→ 0.0%
	Herbs & spices	↓ 22.1%	↓ 14.2%
	Fruit & vegetables	↓ 23.0%	↑ 60.4%
	Nuts, nut products & seeds	↓ 47.1%	↓ 28.7%

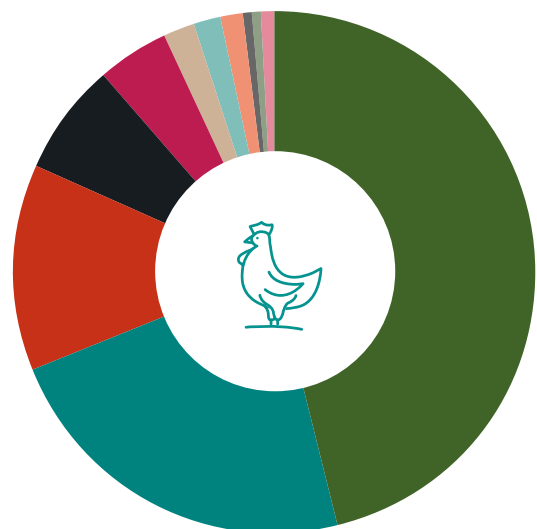


Poultry meat and poultry products

Main issues reported during Q3 2022

Total of 158 issues

Key	Commodity	%	Main issues
	Meat - chicken	46.2	<i>Salmonella</i>
	Meat products (pâté, burgers etc.)	22.8	<i>Salmonella</i>
	Poultry meat products – sausages	12.7	<i>Listeria</i>
	Meat – turkey	7	<i>Salmonella</i>
	Eggs	4.4	<i>Salmonella</i>
	Eggs – dried / powdered / liquid	1.9	<i>Salmonella</i>
	Meat – duck	1.9	<i>Listeria</i>
	Offal - goose	1.3	<i>Listeria</i>
	Meat – guinea fowl	0.6	<i>Campylobacter</i>
	Meat, minced, ground – chicken	0.6	Mislabelling
	Offal – duck	0.6	<i>Salmonella</i>











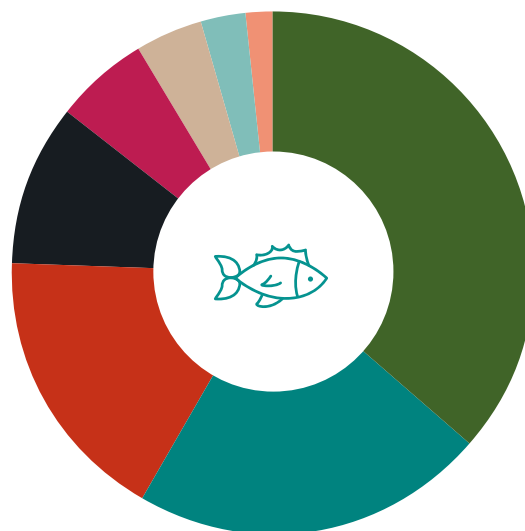


Seafood

Main issues reported during Q3 2022

Total of 316 issues

Key	Commodity	%	Main issues
	Fish - fresh / frozen	36.4	Histamine
	Crustaceans (crab, shrimps etc.)	22.2	Vibrio or <i>Salmonella</i>
	Fish - smoked / cured /dried	17.1	<i>Listeria</i>
	Bivalve molluscs (mussels etc.)	10.1	<i>Salmonella</i> or <i>E. coli</i>
	Other sea food	5.7	<i>Listeria</i>
	Cephalopods (octopus, squid etc.)	4.1	Cadmium
	Seaweed, algae, carrageenan	2.8	Other microbiological contaminants
	Surimi	1.6	Mislabelling, undeclared allergens or <i>S. enterotoxins</i>














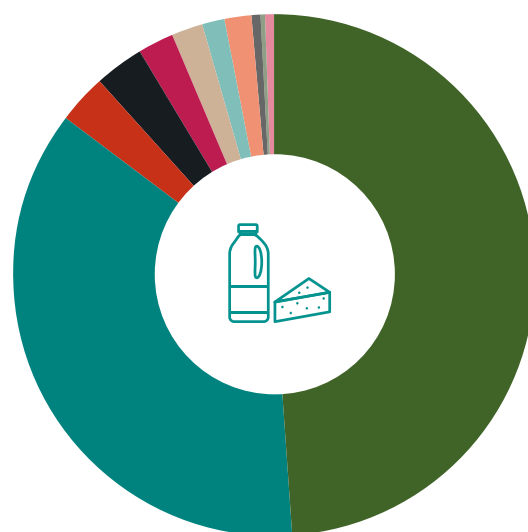


Milk & dairy products

Main issues reported during Q3 2022

Total of 311 issues

Key	Commodity	%	Main issues
	Milk products – cheese	48.9	<i>Listeria</i>
	Milk products – ice-cream	36.3	Pesticides
	Milk – bovine (cow)	3.2	Altered organolepsis
	Milk products – yoghurt	2.9	<i>Listeria</i>
	Milk products – beverages	2.3	Unapproved premises
	Milk products – cream	1.9	Undeclared peanuts or <i>Salmonella</i>
	Milk products – butter and ghee	1.6	<i>Listeria</i>
	Milk products – others (e.g. caseins)	1.6	<i>Listeria</i> or unapproved premises
	Milk products - condensed milk	0.6	Melamine
	Milk products - milk powder	0.3	Undeclared allergens
	Milk - ovine (sheep)	0.3	<i>Campylobacter</i>














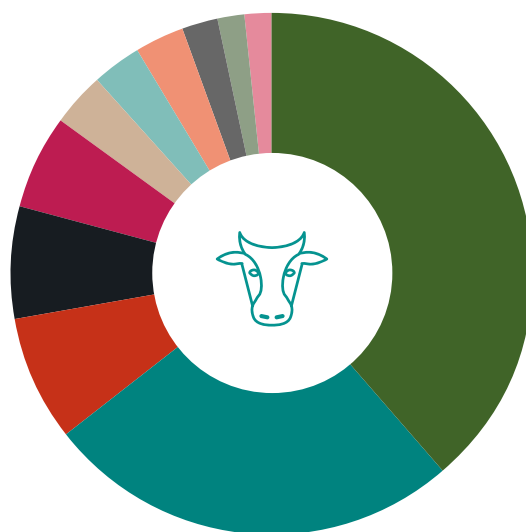


Meat and meat products (other than poultry)

Main issues reported during Q3 2022

Total of 244 issues

Key	Commodity	%	Main issues
	Meat products – sausages	37.3	<i>Listeria</i>
	Meat products and preparations	25	<i>Listeria</i> or <i>Salmonella</i>
	Meat products – hams	7.4	<i>Listeria</i> or altered organolepsis
	Meat – bovine (beef, veal, cow)	6.6	<i>E. coli</i> or <i>Listeria</i>
	Meat, minced, ground – bovine	5.7	<i>Salmonella</i> or <i>E. coli</i>
	Meat – porcine (pork, pig)	3.3	Vet drugs or <i>Salmonella</i>
	Fat – porcine (pork, pig)	2.9	Produced without inspection
	Meat, minced, ground – mixed	2.9	<i>E. coli</i>
	Meat – equidae (horse)	2	<i>E. coli</i>
	Meat – ovine (lamb, mutton, sheep)	1.6	Unapproved premises
	Offal – porcine (pork, pig)	1.6	<i>Listeria</i>













Herbs & spices

Main issues reported during Q3 2022

Total of 199 issues

Key	Commodity	%	Main issues
	Spice mixtures / other spices	26.6	<i>Salmonella</i>
	Tamarind	8	Altered organolepsis
	Coriander leaves (cilantro)	8	Pesticides
	Nutmeg whole and ground	7	Aflatoxins
	Pepper, black, pink and white	5.5	<i>Salmonella</i>
	Paprika and chilli powder	5	<i>Salmonella</i> or sudan dyes
	Mint	4.5	Pesticides
	Basil	3.5	Pesticides
	Parsley	3.5	Pesticides
	Bay leaves (sweet bay, laurel)	3	Other PAHs or benzo(a)pyrene
	Turmeric (haldi), curcuma	3	Aflatoxins, pesticides, lead or <i>Salmonella</i>


















Fruit & vegetables

Main issues reported during Q3 2022

Total of 561 issues

Key	Commodity	%	Main issues
	Cultivated mushrooms and fungi	7	<i>Listeria</i> or pesticides
	Chilli peppers - fresh or dried	7	Pesticides
	Figs - dried	4.6	Aflatoxins
	Peppers (sweet or bell)	4.3	Pesticides
	Prunes - dried plums	4.1	Lead
	Beans (dry)	2.7	Pesticides
	Other small fruit & berries	2.7	Hepatitis A
	Other dried or candied fruits	2.5	Altered organolepsis or unauthorised novel foods
	Lentils (dry)	2.3	Pesticides
	Vine fruits - raisins	2.3	Pesticides
	Dates - dried	2	Pesticides or altered organolepsis
	Oranges	2	Pesticides
	Spinach	2	Cadmium or <i>E. coli</i>



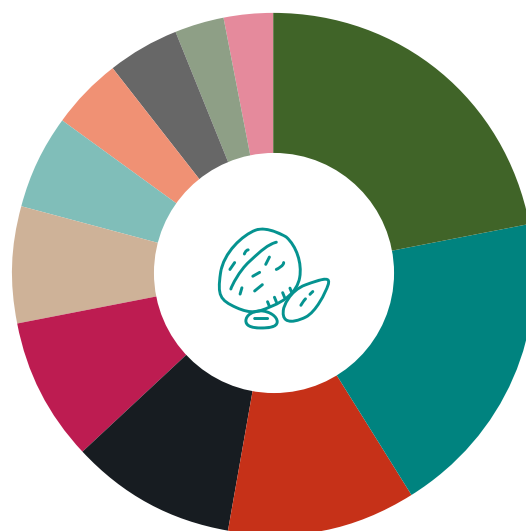


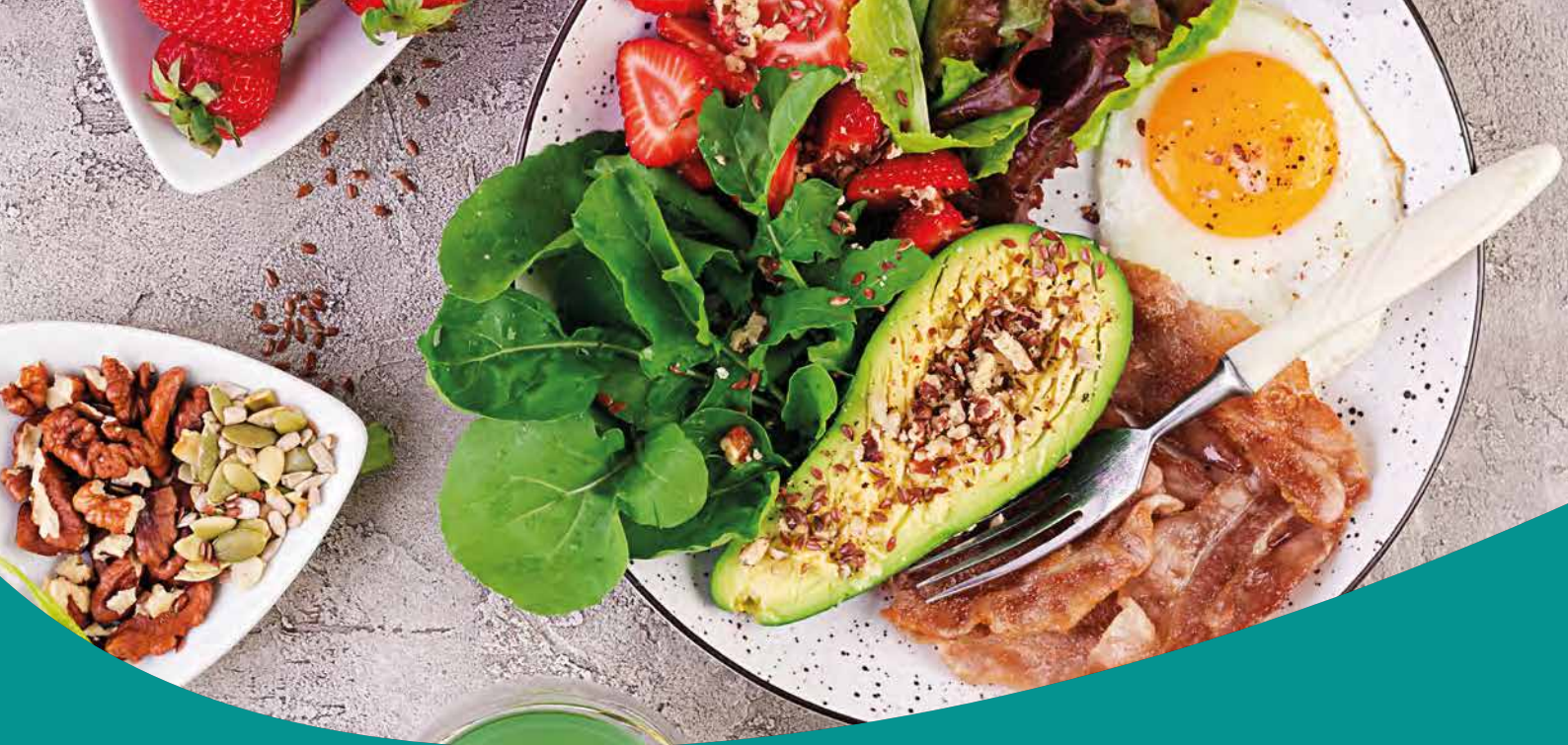
Nuts, nut products and seeds

Main issues reported during Q3 2022

Total of 75 issues

Key	Commodity	%	Main issues
	Almonds	20	Aflatoxins
	Pistachios	17.3	Aflatoxins
	Other tree nuts and mixed nuts	10.7	Undeclared allergens
	Nut spreads and butters	9.3	Colours or fungal moulds and yeasts
	Coconut – fresh	8	Sulphur dioxide and sulphites
	Cashew nuts	6.7	Pesticides
	Brazil nuts	5.3	Aflatoxins ore pesticides
	Coconut juice, milk, cream or water	4	Undeclared sulphites or mineral oil
	Other seeds – not listed	4	<i>Salmonella</i>
	Hazelnuts	2.7	Aflatoxins
	Apricot kernels	2.7	Aflatoxins or hydrocyanic acid





KEY

'%' relates to the number of issues concerning that commodity in its group, for example 36% of all issues concerning nuts, nut products and seeds involved pistachios.

'Main issues' reflects the majority of issues reported for that commodity, but does not include every minor issue, for example, most reported issues concerning chicken meat were the presence of Salmonella.

'Issues' relates to food recalls, border rejections and other such notifications at a global level collated from over 90 official government and other additional reliable sources around the world.

For further information or a demonstration from the team on HorizonScan, contact the Team on;

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