

## Contents

Additives

Contaminants

Novel foods

Health claims

Labelling

Pesticides

Packaging



## Additives



#### Titanium dioxide ban & new definition of nanomaterial



- Only additives included in the Community list set out in Regulation (EC) 1333/2008 may be placed on the EU market as such and used in foods. The list is regularly updated with new additives being added and sometimes existing additives being removed
- In May 2021, the European Food Safety Authority (EFSA) published an opinion that stated that titanium dioxide can no longer be considered safe when used as a food additive
- Based on this opinion, the European Commission and the Member States agreed to remove all uses of titanium dioxide as an additive in food
- The Regulation banning titanium dioxide was published in January 2022 and entered into force on 7 February 2022. The
  Regulation includes a six-month transitional period to allow food businesses time to phase out the use of this food additive. This
  period ended on 7 August 2022
- The EU also published <u>Commission Recommendation</u> of 10 June 2022 on the definition of nanomaterial and this replaces the definition published in 2011. It retains the principal features of the old definition and it will not significantly alter determinations already made. Guidance on the implementation of definition of nanomaterial will be available sometime autumn 2022

## New EU Regulations on additives (last 12 months)

Additive	Category	Link
Titanium dioxide	Banned in all categories	Commission Regulation (EU) 2022/63
Sodium/Potassium carbonate	Cephalopods	Commission Regulation (EU) 2022/141
Oat lecithin	Chocolate	Commission Regulation (EU) 2022/1023
Glycolipids	Beverages	Commission Regulation (EU) 2022/1037
Polyvinylpyrrolidone	Medical foods	Commission Regulation (EU) 2022/1038

# Contaminants



# Maximum levels for opium alkaloids and delta-9-tetrahydrocannabinol set for the first time



The overarching rules on contaminants in food for the EU can be found in Council Regulation 315/93/EEC. The basic principles are;

- Food containing a contaminant at an amount unacceptable from the public health viewpoint and in particular at a toxicological level, shall not be placed on the market
- Contaminant levels shall be kept as low as can reasonably be achieved following recommended good working practices

These basic principles are supplemented by a set of maximum levels for certain contaminants in specific foods which are set down in <a href="Commission Regulation">Commission Regulation</a> (EC) No 1881/2006

In the last 12 months maximum levels have been established for opium alkaloids in poppy seed and poppy seed breads and for delta-9-tetrahydrocannabinol in hemp seed. These limits were added to 1881/2006

The opium alkaloid limits came into force on 1 July 2022 whilst the limits for delta-9-tetrahydrocannabinol will apply from 1 January 2023

The food categories covered by limits for hydrocyanic acid and ochratoxin A have been expanded

## New EU Regulations on contaminants (last 12 months)

Additive	Category	Link
Opium alkaloids	Poppy seeds	Commission Regulation (EU) 2021/2142
Mercury	Fish & salt	Commission Regulation (EU) 2022/617
Hydrocyanic acid	linseed, almonds and cassava	Commission Regulation (EU) 2022/1364
Ochratoxin A	dried fruit, liquorice, dried herbs, herbal infusions, oilseeds, pistachios and cocoa powder	Commission Regulation (EU) 2022/1370
Delta-9- tetrahydrocannabinol	Hemp seed	Commission Regulation (EU) 2022/1393

Novel foods



#### New insect food sources and protein extacts authorised in the EU



- Under the EU's Novel Food framework, food that had not been consumed to a significant degree by humans in the EU before 15 May 1997 is considered to be novel and requires authorisation before it can be sold as food or used as an ingredient in food
- Novel food applications can be a long and expensive process. They require a positive safety assessment by EFSA and political agreement in the form of an EU Regulation
- In the last 12 months we have seen new approvals for insect sources locust, cricket and mealworm –
  also cascara (the dried skins and pulp of the coffee cherry once the bean has been removed) and mung
  bean protein
- The mung bean protein approval precedent is particularly important if you are interested in using vegan protein extracts

## New novel food authorisations (last 12 months)

Miracle fruit (Synsepalum dulcificum)	Commission Implementing Regulation (EU) 2021/1974	
Locust powder	Commission Implementing Regulation (EU) 2021/1975	
3-Fucosyllactose	Commission Implementing Regulation (EU) 2021/2029	
UV-treated mushroom powder containing vitamin D2	Commission Implementing Regulation (EU) 2021/2079	
calcium fructoborate	Commission Implementing Regulation (EU) 2021/2129	
Wolffia arrhiza / Wolffia globosa	Commission Implementing Regulation (EU) 2021/2191	
Cascara - coffee cherry pulp	Commission Implementing Regulation (EU) 2022/47	
Pasteurised Akkermansia muciniphila'.	Commission Implementing Regulation (EU) 2022/168	

yellow mealworm (Tenebrio molitor larva)	Commission Implementing Regulation (EU) 2022/169	
cetylated fatty acids preparation	Commission Implementing Regulation (EU) 2022/187	
Acheta domesticus (house cricket)	Commission Implementing Regulation (EU) 2022/188	
mung bean protein from Vigna radiata	Commission Implementing Regulation (EU) 2022/673	
Tetrahydrocurcuminoids	Commission Implementing Regulation (EU) 2022/961	
kernels from edible Jatropha curcas L.	Commission Implementing Regulation (EU) 2022/965	
iron hydroxide adipate tartrate (nano)	Commission Implementing Regulation (EU) 2022/1373	

Health claims



#### Fate of health claim applications



The fate of various health claim applications were resolved in the last 12 months. All were rejected

- Claims that a food or ingredient provides a health benefit must be reviewed and approved before they can be used in the EU
- Health applications can be a long and expensive process. They require a positive safety assessment by EFSA and political agreement. The failure rate is high
- 8 health claim applications were resolved over the last 12 months in areas including weight loss, immune support, blood pressure and lactose digestion – all were rejected

#### Plans for nutrient profiles due by the end of the year



- After a delay of over a decade the EU has revived its plans for nutrient profiles
- Profiles were a key part of the Nutrition & Health Claims Regulation and were supposed to be finalised in 2009
- Profiles are nutrient criteria and thresholds that help identify less healthy foods. They impact the promotion of food by preventing or restricting the use of nutrition and health claims on foods that do not meet the profile requirements. So, for example, a food that it is high in sugar could not claim to be 'high in calcium for healthy bones' even if it is rich in calcium
- The idea is to stop less healthy foods benefiting from the 'health halo' created by using nutrition and health claims
- The Commission will set out its plans before the end of 2022

## New health claim authorisations (last 12 months)

Food ingredient	Claim	Link
Nutrimune (milk fermented with Lactobacillus paracasei)	supports the immune system in defence against pathogens in the upper respiratory and gastrointestinal tract of young children - REJECTED	Commission Regulation (EU) 2022/709 of 06/05/2022
Anxiofit (Echinacea angustifolia root extract)	ameliorate subthreshold and mild anxiety - REJECTED	Commission Regulation (EU) 2022/710 of 06/05/2022
GlycoLite (white kidney bean extract)	helps to reduce body weight - REJECTED	Commission Regulation (EU) 2022/711 of 06/05/2022
Lozenges with two Lactobacillus reuteri strains	supports normal gum function - REJECTED	Commission Regulation (EU) 2022/711 of 06/05/2022
Bifidobacterium animalis	improvement of lactose digestion in individuals who have difficulty digesting lactose - REJECTED	Commission Regulation (EU) 2022/719 of 10/05/2022
Coffee C21 (blend of pure Arabica roast coffees)	maintenance of DNA integrity in cells of the body - REJECTED	Commission Regulation (EU) 2022/719 of 10/05/2022
MenaQ7 (vitamin K2 as menaquinone-7)	improves arterial stiffness - REJECTED	Commission Regulation (EU) 2022/719 of 10/05/2022
Symbiosal (sea salt + chitosan)	Lowers blood pressure - REJECTED	Commission Regulation (EU) 2022/727 of 11/05/2022

Labelling

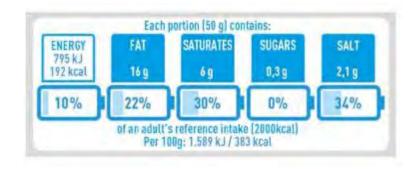


#### Improving food labelling to support healthy choices



- The European Commission's Action Plan on Childhood Obesity identifies a number of action areas to target in the fight against obesity. One of these is improving food labelling to 'make the healthy option the easier option'
- Harmonised front of pack nutritional labelling is a Farm to Fork commitment proposal due end 2022. Nutri-score is a strongly-backed by many MS others favour their 'Nutrinform Battery' system
- In April EFSA produced new scientific advice for the Commission to inform the Commission's plans for FOPNL. It concluded that intakes of saturated fat, sodium and added sugars are above recommended levels, whilst intakes of fibre and potassium were below current dietary recommendations
- EFSA did not recommend any specific FOPNL scheme





# Pesticides



#### Pesticide reduction targets – EU Farm to Fork Strategy





The use of pesticides in agriculture contributes to pollution of soil, water and air. The Commission will take actions to:

- reduce by 50% the use and risk of chemical pesticides by 2030.
- reduce by 50% the use of more hazardous pesticides by 2030.

The EU F2F strategy was published in May 2020. The strategy includes challenging targets to reduce pesticide usage in the EU

Delivery of these reductions will be achieved through:

- Revision the sustainable use of pesticides directive (SUD)
- Enhancing provisions on integrated pest management
- Promoting greater use of safe alternative ways to protect harvests from pests and diseases

#### New Regulation on the Sustainable Use of Plant Protection Products



The proposed new Regulation on the Sustainable Use of Plant Protection Products was published in July. The main measures include:

- Legally binding targets at EU level to reduce by 50% the use and the risk of chemical pesticides as well as the use of the more hazardous pesticides by 2030. Member States will set their own national reduction targets within defined parameters to ensure that the EU wide targets are achieved
- Environmentally friendly pest control: New measures will ensure that all farmers practice Integrated Pest Management (IPM). This is an environmentally friendly system of pest control which focuses on pest prevention and prioritises alternative pest control methods, with chemical pesticides only used as a last resort
- A ban on all pesticides in sensitive areas: The use of all pesticides is prohibited in places such as public parks or gardens, playgrounds, recreation or sports grounds

The proposal transforms the existing Directive into a Regulation which will be directly binding and uniformly applicable to all Member States

#### Legally binding pesticide targets at EU level



- There will be an overall legally binding target to reduce the use of chemical pesticides by 50% by 2030 as per the Farm to Fork strategy
- Member states will be able to set their own national reduction targets to reflect their use of pesticides and the specific challenges they face but limits will be set on how countries can vary from the general target.
- Variations from the 50% target will have to be justified and this could be linked to the historical progress in reducing pesticides that countries have already made or to the intensity of the use of pesticides.
- Member states whose use of pesticides is more intensive will have to do more.
- The MS national target can never be less than 35%
- Member states will have to submit reports on annual progress in achieving their targets

Packaging



#### Review of the Packaging and Packaging Waste Directive



- A review of Review of the Packaging and Packaging Waste Directive is in progress
- The review will set out how to deliver the objective of the European Green Deal and the circular economy action plan (CEAP) to ensure that "all packaging on the EU market is reusable or recyclable in an economically viable way by 2030"
- It will build on the 2018 revision of the directive that set new recycling targets for packaging.
- Things that may be included in the review include:
  - Upgrading the Directive to a Regulation
  - Having recycled content targets for specific packaging formats
  - Measures to increase collection
  - Action to harmonise recycling logo information

The outcome (which was expected in July) has been postponed until the autumn

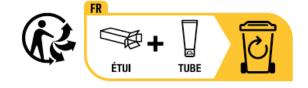
#### Recycling targets for packaging

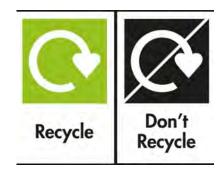
	By 2025	By 2030
All packaging	65%	70%
Plastic	50%	55%
Wood	25%	30%
Ferrous metals	70%	80%
Aluminium	50%	60%
Glass	70%	75%
Paper and cardboard	75%	85%

#### A harmonised labelling system for the recycling of products?

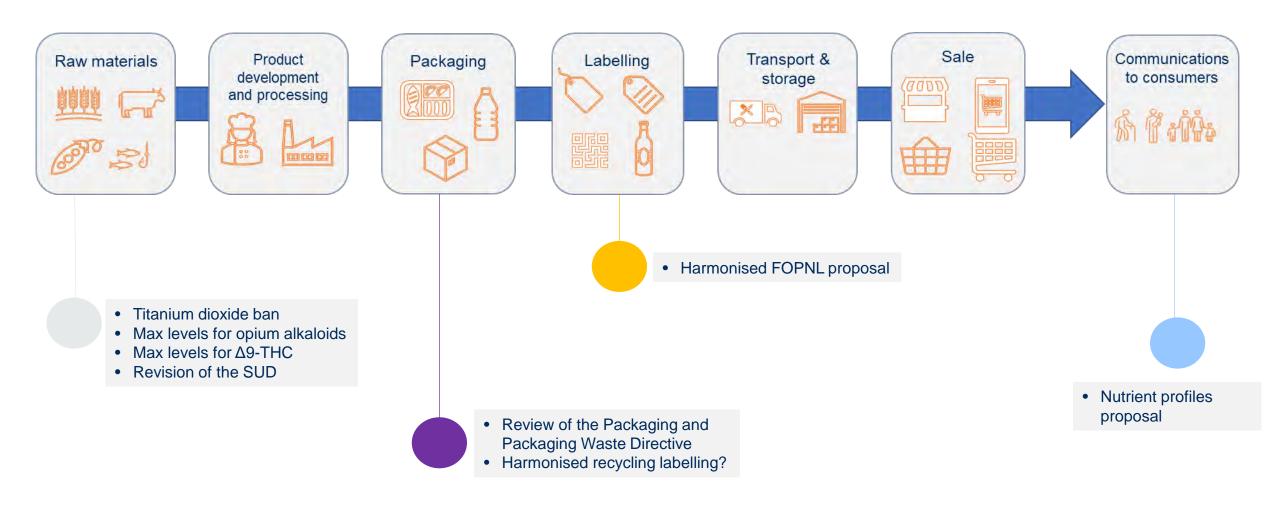


- In recent years a number of member states have introduced mandatory, national recycling logo systems (France, Italy, Bulgaria, Croatia and Latvia) to encourage more recycling
- In March 2021, members of the European Parliament requested the implementation of an EU harmonised labelling system for the recycling of products
- In June of the same year, several industry associations sent a joint letter to the European Commission asking it to harmonise the approach to packaging waste labelling among the EU Countries
- Industry also encouraged the EU to look at the possibility of providing such information by digital means
- The EU have said that the appropriateness of harmonised labelling and EU-definition of recyclability will be examined as part of the revision of the Packaging and Packaging Waste Directive





#### Highlights



# leatherhead food research

For further information visit us at: www.leatherheadfood.com or email help@leatherheadfood.com

Great Burgh, Yew Tree Bottom Road Epsom Surrey KT18 5XT UK Harston Mill Harston Cambridge CB22 7GG UK First Floor 17 Waterloo Place London SW1Y 4AR UK 1150 18th Street NW Suite 475 Washington, DC 20036

#### Disclaimer

Some parts of a report of this nature are inevitably subjective and/or based on information obtained in good faith from third party sources. Where opinions are expressed, they are the opinions of the individual author and/or the relevant third party source and not those of Leatherhead Food Research. Furthermore, if new facts become available and/or the commercial or technological environment evolves, the relevance and applicability of opinions and conclusions in this report may be affected. Accordingly, while this report has been compiled in good faith, no representation or warranty, express or implied, is made by Leatherhead Food Research as to its completeness, accuracy or fairness. Except where limited by law, Leatherhead Food Research shall not be responsible for any actions taken or not taken as a result of any opinions and conclusions provided in this report and you agree to indemnify Leatherhead Food Research and/or its personnel against any liability resulting from the same.