



## General News

### Brexit update



[Intertradelreland](#) are running free events designed specifically for SMEs that are looking for the latest advice and information on Brexit, to help you

plan, act and engage for the new trading relationships that may emerge from BREXIT negotiations.

Click on [link](#) for event near you.

### Summary of current position

- March 23<sup>rd</sup> Guidelines agreed to enter final negotiations
- Transition period to December 2020
- UK remain subject to EU Rules during the transition (negotiate but not sign trade deals)
- No say at meetings after March 2019
- Eventually a deep and meaningful Free Trade Agreement
- N.I remain in SM & CU unless another solution arises
- **Food & Drink UK:** Result is positive but need the transition to last until the industry is ready for the new relationship
- No hard border until appropriate technological solutions are found
- **Food and Drink EU:** Welcome the development but disappointed the UK is not remaining in the SM & CU

### IGFA Feed Committee Meeting



IGFA feed committee meeting took place on the 28<sup>th</sup> March 2018 in the Maldron Hotel, Portlaoise. Sincere thanks to all who attended at such a busy time of the season.

The next meeting is scheduled for 26<sup>th</sup> June, 10 am Maldron Hotel, Portlaoise. A special welcome was extended to two new attendees.

### Sustainability

EU policy proposals requiring a 40% reduction in emissions without a corresponding decrease in primary production pose significant challenges. 10 projects were selected to receive EU funding. The following 4 are worth reviewing as findings should pose interesting to members

[RUMEN PREDICT](#) (Queens, Belfast, Northern Ire)  
Predicting appropriate GHG mitigation strategies based on modelling variables that contribute to ruminant environmental impact

[MethLAB](#) (Teagasc, Ireland)  
Refining direct fed microbials (DFM) and silage inoculants for reduction of methane emissions from ruminants

[Ceders](#) (Wageningen University Netherlands )  
Capturing Effects of Diet on Emissions from Ruminant Systems

[Residue Gas](#) (Aarhus University, Denmark)  
Improved estimation and mitigation of nitrous oxide emissions and soil carbon storage from crop residues

Work shop link <http://www.eragas.eu/additional-activities>

### AMR – Antimicrobial Resistance

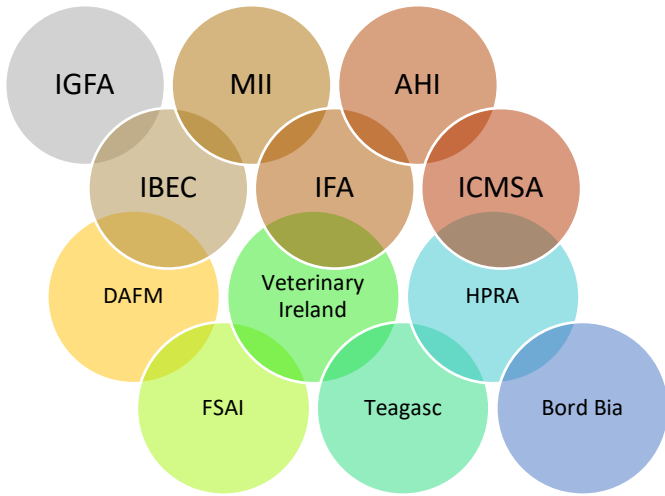
As highlighted in November 2017 feed issues, Ireland's first strategic plan to address the problem of Anti-microbial resistance was published [iNAP](#).

It will last 3 years and is under the auspices of the Minister for Health assisted by the Minister for Agriculture. The plan takes a "One health" approach recognising that **human** and **animals** share the same **environment**. It will focus initially on raising awareness, enhancing surveillance and supporting efforts to reduce the spread of infectious disease.

The report acknowledges the efforts already made by the agricultural industry to promote responsible use of antibiotics. It points to the need to use feed or water systems as a route to effectively and humanely medicated large groups of intensively kept livestock (p38 3.1).

IGFA is one of the stakeholders involved in the delivering the DAFM commitments under the plan.

The stakeholders have met twice and a work plan has been devised.



The plan is based on 5 Strategic Objectives

1. Improve knowledge and awareness of AMR
2. Enhance surveillance of antibiotic resistance and surveillance
3. Reduce the spread of infection and disease
4. Optimise the use of antibiotics in human and animal health
5. Promote research and sustainable investment in new medicines, diagnostic tools, vaccines and other interventions

IGFA role is primarily based on data collection in 2018 followed by the development of a future route to medicating large groups of animals (DAFM/ IGFA/ Teagasc). IGFA members have already agreed work plan on data collection

### AMR at the Brussels levels

Each country plan is derived from the overall EU One Health Plan This overarching plan once again emphasise the importance of tackling the issue from a human, animal and environmental load perspective. FEFAC held a work shop in Brussels drawing together professional from the feed additive, animal nutrition, academia, veterinary and farmers in order to share ideas and form links with veterinarians. Of note was the keynote address from Utrecht University by Fink Gremmell. The professor considers feed has a role to prevent disease through modern and innovative feed additives and feeding strategies. Her slides on the environment stressed the importance of recognising the role sludge and manures play in recycling resistant bacteria. Research has shown that these bacteria are persistent in soil. The recent EPA research work has

also pointed to this issue and work from Germany is pointing to the need to compost material derived from AD to ensure its bacterial load is properly degraded.

### Igfa Website

Compound/ Importer members only regulation page now available.

<b>Feed Hygiene</b> 	<b>Feed Labelling</b> 	<b>Feed Materials</b> 
<b>Undesirables</b> 	<b>Feed additives</b> 	<b>GMO</b> 
<b>Dietetic Feed</b> 	<b>Medicated Feed</b> 	<b>Animal By Products</b> 

### Dates

- April 2018 [Teagasc Events](#)
- April 9-11<sup>th</sup> [British Society of Animal Sc. Dublin](#)
- April 17<sup>th</sup> [Brexit Briefing Event Wexford](#)
- April 24<sup>th</sup> [Brexit Briefing Event Mullingar](#)
- May 1<sup>st</sup> [Brexit Briefing Event Sligo](#)

**October 2018** Igfa Feed Forum  
 Trace Elements in the dairy cow | Sustainability  
 Climate Change | Regulation and Labelling | AMR:  
 Countries National strategies | Data Protection |  
 Brexit update | Igfa initiatives

### Consultations/ Websites

[DAFM Trader Notices](#) | [DAFM Registered & Approved FBO's](#) | [DAFM FBO forms](#)

### RASFF Summary 1<sup>st</sup> – 31<sup>st</sup> March

Total	338	<i>Feed Premixtures</i>	1
		<i>Feed additives</i>	0
Food	311	<i>Feed material</i>	15
		<i>Animal By products</i>	0
Food contact materials	11	<i>Compound Feed</i>	0
		<i>Herbs &amp; Spices</i>	0
Feed Total	16	<i>Pet food</i>	0

## Technical News

### World Mycotoxin Conference



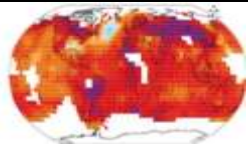
Mycotoxin contamination of feed has significant implications for food safety and animal performance.

The maximum content in mg/kg (ppm) is listed in the undesirable directive **Directive 2002/32/EC SECTION II: MYCOTOXINS** see [link](#). Igfa mycotoxin booklet is a easy to read guide and is available on <https://www.igfa.ie/membersonly.html>.

The **World Mycotoxin Conference** took place from the 12-14<sup>th</sup> March in Amsterdam. The aim and objectives of this forum was to increase the awareness of human and animal health risks due to mycotoxin contamination. It offered a platform for the food and feed industry as well as science and regulatory authorities to exchange current knowledge, to promote harmonisation of food and feed safety regulations and control procedures, and to make recommendations for integrated strategies ensuring the safety and security of food and feed supply chains.

The top five take away messages from the forum:

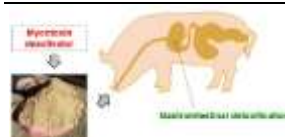
#### Q1: Climate Change



**Effective intervention strategies are required taking into account climatic variation and extreme weather conditions**

- Understanding new/unexpected contamination patterns incl. free vs. modified mycotoxins
- Effective forecasting systems required: This includes real-time global monitoring of mycotoxins using drones and mainstream ICT solutions
- Addressing climatic factors and spatial/temporal risk mapping could improve success in the biocontrol of aflatoxins

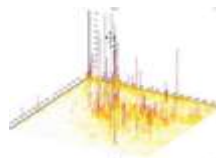
#### Q2. Detoxifiers



**There is a need for further development, exploration and harmonised safety assessment of detoxifiers across the continents**

- Explore the potential of existing detoxifiers for novel applications such as their use in bioethanol and DDGS production
- Utilize new tools, such as metagenomics, to develop new (enzyme-based) detoxifiers
- Obtain mutual recognition/authorisation of detoxifiers between EU and China

#### Q3. Omics – Approaches



**Omics approaches are effective tools for understanding the interaction between living organisms and for disclosing biological pathways**

- Computer-driven solutions successfully support retrieving useful information from big data
- Need for standardisation of validated methods and protocols to ensure data comparability
- Cross-fertilization between different fields of research is needed to boost research and reach the next level

#### Q4. Managing Strategies



**Integrated solutions are crucial for the efficient control and reduction of mycotoxins along food and feed chains**

- Our knowledge needs to be integrated into practical and affordable tools that can be used by end users
- Resistant crops are fundamental for mycotoxin mitigation
- Legal guidelines are needed for introduction of new cultivars
- Need for risk-based application of measures
- Insight into economic incentives for primary producers, incl. alternative uses will be key to implement practices for mycotoxin mitigation
- Novel food processing techniques can effectively reduce mycotoxins

#### Q5. Detection and Control



**Despite existing high performance analytical methods in (multi) mycotoxin determination, many challenges remain**

- Variety of structures incl. modified forms and emerging metabolites
- Sample heterogeneity: more data are available (AFLA in figs) to help guide sampling plans
- Quality assurance in multi-mycotoxin analysis demands appropriate proficiency tests (certified) reference materials
- New technologies offer prospects
- Mid-IR in combination with thin film waveguides
- Antibody-based microfluidic biosensors
- New use of existing technology (1H qNMR) for purity control

## Rapid Test for Mycotoxins 2018 (Field and Laboratory displayed at Forum)

Company	Details
<b><u>r-Biopharma</u></b>	Lateral flow / Elisa HPLC/GC/LC- Ms/MS tests for quantitative & semi quantitative. Laboratory and hand held systems
<b><u>Envirologix (Generon)</u></b>	Water based extraction / 3-4 minutes run time. Used at intake across Spain and Italy. Spanish distributor
<b><u>Vicam</u></b>	Provides qualitative and quantitative strip tests for several mycotoxins.
<b><u>Tecna</u></b>	Various
<b><u>Nutreco</u></b>	Mycomaster: Strip test method for use at intake.

## Regulation (EC) No 767/2009 on the placing on the market and use of feed)

We wish to bring to your attention the amendments to Regulation (EC) No 767/2009 on the placing on the market and use of feed. The amendments, which are laid down in Commission Regulation (EU) 2017/2279, comprise changes to Annexes II, IV, VI, VII and VIII of Regulation (EC) No 767/2009. The following is a brief summary of the changes. We will do a detailed report on the changes in April's Feed Issues.

- Amendments to Part A of Annex IV concerning tolerances for analytical constituents
- Trace element declaration  
*The added amount referred to in the first paragraph shall be expressed as the amount of the feed additive except where the legal act authorising the respective feed additive indicates a substance in the column "minimum/maximum content". In this latter case, the added amount shall be expressed as the amount of that substance*
- Vitamins – end of shelf life declaration  
*For feed additives of the functional group vitamins, pro-vitamins and chemically well-defined substances having similar effect which must be listed pursuant to point 1, the labelling may indicate the total amount guaranteed during the complete shelf-life under the heading "Analytical constituents" instead of indicating the added amount under the heading "Additives".*

## Vitamin reauthorisation update

Vitamins, provitamins & chemically well-defined substances having similar effect. CLICK ON ADDITIVE TO ACCESS REGULATION		
Completed		Awaiting
<a href="#">Vitamin A (2015) MPL</a>	<a href="#">Calcium-D-pantothenate (2014)</a>	<b>Vitamin B2</b>
<a href="#">Vitamin B1 (2015)</a>	<a href="#">D-panthenol (2014)</a>	<b>Vitamin B12</b>
<a href="#">Vitamin B6 (2011)</a>	<a href="#">Vitamin E (2011)</a>	<b>Omega-6 Ess Unsaturated FAs</b>
<a href="#">Vitamin C (2015)</a>	<a href="#">Vitamin K3 (2015)</a>	
<a href="#">Folic acid (2013)</a>	<a href="#">Niacin/ Niacinamide (2013)</a>	
<a href="#">Taurine (2015)</a>	<a href="#">Beta-carotene (2015)</a>	
<a href="#">Betaine &amp; Betaine hydrochloride (2015)</a>	<a href="#">Biotin (2015)</a>	
<a href="#">L-carnitine &amp; L-carnitine L-tartrate (2015)</a>	<a href="#">Choline Chloride (2013)</a>	
<a href="#">Inositol (2014)</a>	<a href="#">Vitamin D MPL (2017)</a>	

## Trace Element reauthorisation update

Trace Elements authorised
<a href="#">Cobalt</a> (2013)
<a href="#">Iodine</a> (2015)
<a href="#">Zinc</a> (2016)
<b>"Protected" Selenium</b> (2013)
<a href="#">Iron</a> (Dec 2017)
<a href="#">Manganese</a> (Aug 2017)
Trace Elements awaiting authorisation
Copper – awaiting
Selenium - awaiting
Molybdenum – awaiting