

informing the food industry

ILSI Madrid

VITAL® 2.0 – VITAL® 2.0 as a Risk Assessment and Allergen Management Tool

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Overview

- •VITAL® 2.0 a brief genesis
 - Voluntary Incidental Trace Allergen Labelling.
- How do we see VITAL applied in the industry
- Strengths and challenges of the VITAL program
- VITAL in the future



Who is the Allergen Bureau?

- The Allergen Bureau is the peak industry body representing food industry allergen management in Australia and New Zealand
- The Allergen Bureau is a membership based organisation established to provide food industry with rapid responses to questions about allergen risk management in food ingredients and manufactured foods
- Established 2005, pre-competitive, 'not-for-profit', industry volunteer Board

Full Members



































































The Allergen Bureau – Our Vision and Mission

Vision

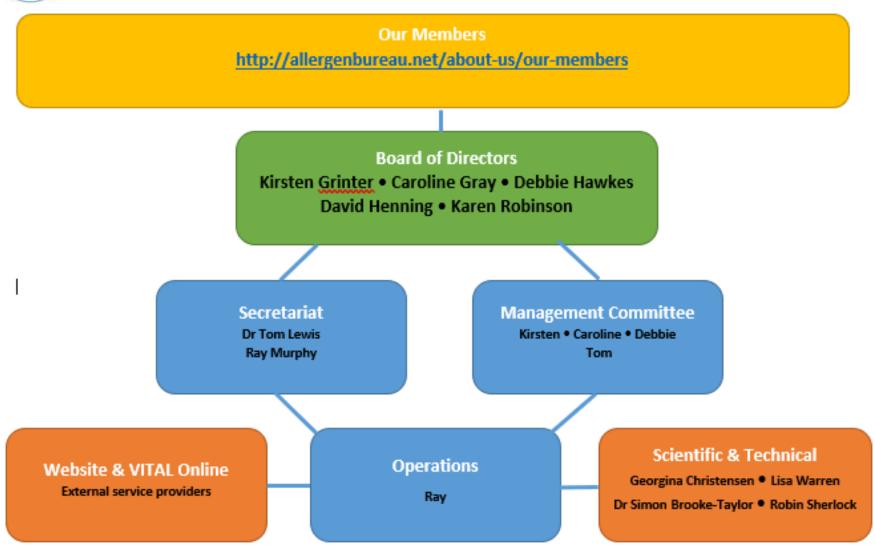
 The Allergen Bureau is a globally recognised and supported industry organisation promoting best practice food industry allergen management, risk review and consistent labelling to facilitate informed consumer choice

Mission

- To facilitate a globally accepted, consistent, science-based approach to food allergen risk assessment, management and communication that:
 - guides industry best practice
 - assists allergen sensitive consumers to make informed choices based on label information



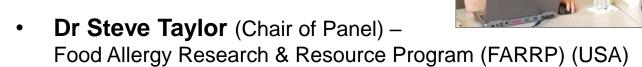
Organisation







The VSEP VITAL® Scientific Expert Panel



- Dr Joseph Baumert

 Food Allergy Research & Resource Program (FARRP).
 Supported by Mr Benjamin Remington
- **Dr Geert Houben** Program Manager Food Safety, Netherlands Organisation for Applied Scientific Research (TNO) (NL).
- Dr Rene Crevel (RENE CREVEL Consulting Ltd) (UK) (formerly of Allergy & Immunology, Unilever)
- Dr Katie Allen Paediatric Gastroenterologist / Allergist, Royal Children's Hospital, University of Melbourne). Supported by Ms Jennifer Koplin (AUS)
- Dr Simon Brooke Taylor Food Safety & Risk Analysis Consultant, Allergen Bureau) (AUS)





The VSEP overarching scientific approach

- analysed existing published clinical data and some unpublished data (>1800 data points)
- statistical modelling to look at implication for the allergic population
- scientifically and clinically sound, defensible and transparent
- published papers (Taylor et al 2014, Allen et al 2014)
- protection for vast majority of people with food allergy
 Next VSEP meeting planned for Oct 2018,
 at EAACI-FAAM, Copenhagen



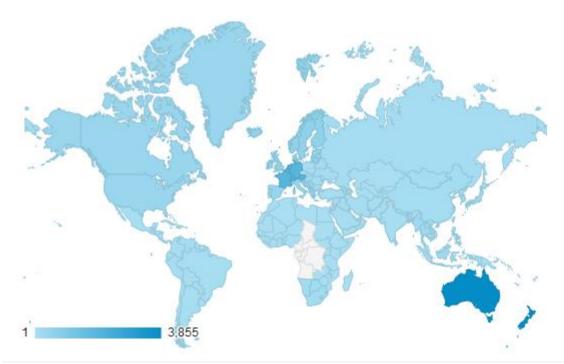


Our current successes

- Allergen Bureau membership continues to grow, comprising over 100 food industry organisations and individuals
 - √ 32 Full Members, 33 Associate Members and 37 Individual Members
 - ✓ International memberships increasing
- Technical support helpline for Allergen Management and VITAL® enquiries
- Excellent free resources available via website, including eNews distribution
- VITAL Best Practise Labelling Guide for ANZ
- VITAL Online continuing to increase in usage:
 - ✓ 2,090 registered organisations, equating to over 3,400 individual users, with 'active users' of VITAL Online between 340 540 in any month
 - ✓ Since it's launch in August 2015, users have generated over 13,000 VITAL reports, with over 8,500 ingredients, and 7,000 recipes.



Growing International Interest



Interactive VITAL Online website sessions

Australia 13,912
New Zealand 1,685
Netherlands 1,649
France 849
Belgium 678
United Kingdom 601
United States 532
South Africa 505
Italy 434
Germany 383





The VITAL® Program tools

- ~ VITAL Procedure
- ~ Decision Tree
- Interactive VITAL Action Level
 Grid
- VITAL Online (Calculator)
- ~ VITAL training materials
- ~ Guidance documents & FAQs







Reference Doses

Allergen	Reference Dose (mg of total protein)
Peanut	0.2
Milk	0.1
Egg	0.03
Tree nuts	0.1
Soy	1
Wheat	1
Mustard	0.05
Lupin	4
Sesame	0.2
Crustacea (shrimp)	10
Fish *	0.1

reference amount to provide a ppm

Considered in conjunction with a

The total protein from an allergic food below which only the most sensitive

population are likely to experience an

adverse reaction

individual (between 1 and 5% depending on the quality of the data) in the allergic

Particulate: non homogeneous and could deliver the reference dose

outcome and labelling recommendation

Particulate: non homogeneous and

^{*} Original VITAL value applied





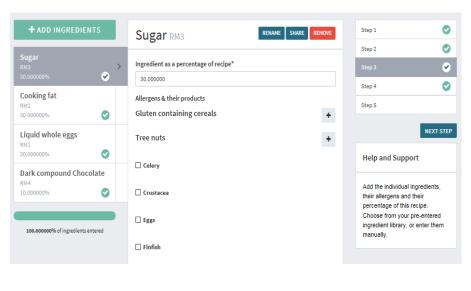
The 10 Steps of VITAL®

- Determination of relevant allergens
- 2. Identification of intentionally added allergens
- 3. Identification and quantification of cross contact allergens due to ingredients
- Identification & quantification of cross contact allergens due to processing
- 5. Calculation of total cross contact allergen in finished product
- Determination of Action Levels
- Review of labelling recommendations and sources of cross contact
- 8. Recording of Assumptions
- 9. Validation of VITAL assessment
- 10. Ongoing Monitoring

http://allergenbureau.net/vital/vital-downloads

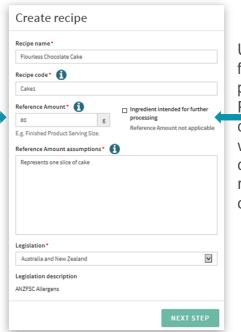


VITAL ® Online (vital.allergenbureau.net)



Use this field for products sold to consumers

The maximum amount of a food eaten in a typical eating occasion (never the less than the serving size)



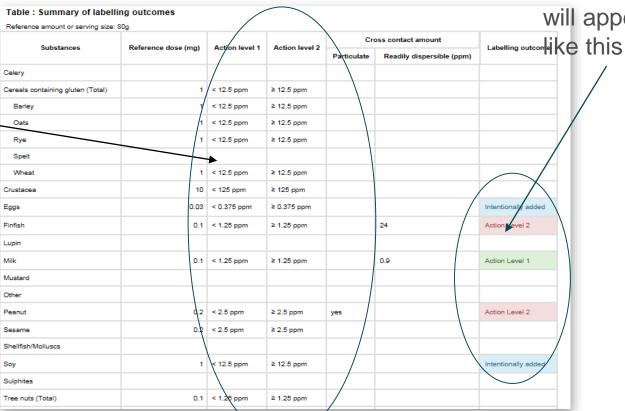
Use this field for preparing a PIF for a customer, or when combining recipe components





Example of a VITAL® Online **Labelling Outcome Summary**

These Action Levels will change depending on the product's Reference Amount



VITAL labelling outcomes

will appear





VITAL® Online - Features

- ~ Libraries
 - Ingredients and Processing Profiles
- Documented and traceable assumptions and findings
- ~ Scenario Testing
- ~ Secure User permissions







VITAL Training - 19 endorsed Training Providers

Australia and New Zealand

North and S.E Asia

Pacific region

Africa

Europe

USA & Canada

Mexico & S. America

Virtual and Online training

Over 2,500 people trained in VITAL Version 2.0

- •Australia and New Zealand 2,150 participants
- •Other countries 350 participants





Plans and Activities – Working Groups

- Phase 3 Certification
 Pursuing VITAL certification
- Phase 2 Risk Communication Labelling & pursuing exemptions
- Phase 1 Allergen Risk Review Expanding & enhancing

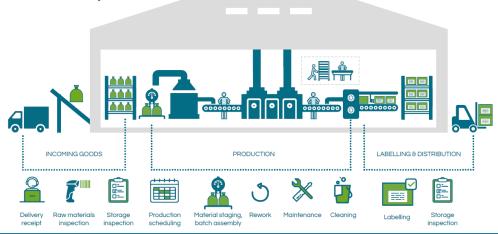






Phase 1 - Risk Review Working Group

- ✓ Detailed guidance to investigate allergen status of a food.
- ✓ Interactive webpage accessible from the Allergen Bureau website to guide the user to do Allergen Risk Review, planned launched by Sep 2018
- ✓ Appropriate for a broad food industry audience (local, international, SME, corporations)
- ✓ Entire supply chain from farm to finished product







Risk Review Anomalies

AB & Ai Group - working together on Risk Review Anomalies

Allergens known to be present at significant levels but not formulated as an ingredient and inappropriate to label as "May be present XXX".

These anomalies occur where the process or environment cannot be altered or impacted through good manufacturing practices.

e.g. Dairy in Chocolate due to single conch

Consultation in progress with consumer groups to discuss impact of including these allergens in ingredient lists.







Phase 3 - Certification Working Group

- ✓ Completed drafting the 'VITAL Scheme' under ISO 17065
 - auditable 'VITAL Standard'; plus
 - rules and processes to be followed by accredited certification bodies (to meet ISO 17065)
- ✓ Draft VITAL Standard being trialled by industry to ensure it can be interpreted & applied consistently
- ✓ Draft Scheme to be reviewed by Certification Bodies to ensure it is practical & achievable for industry
- ✓ Seeking JAS-ANZ accreditation of VITAL Scheme in mid-late 2018





VITAL® 2.0: Benefits to the allergic consumer

- consistent approach to assessing cross contact
- cross contact allergens are declared based upon a standardised risk assessment process
- ~ founded upon scientific principles
- clear, accurate and consistent information about the allergen status of the product

Allows the consumer to trust the information



VITAL® 2.0 : Benefits to the food industry

- ~ Standardised, systematic risk assessment process
- Suitable for raw materials and finished product
- Labelling outcomes are based upon science
- ~ VITAL® Online user-friendly, web-based VITAL Calculator
- Supported by regulators

Provides reassurance by virtue of informed decision making



Challenges

- VITAL® Program has regulator support but is voluntary
 - Allows a flexibility around response which is valuable to the industry and the consumer
- ~ Perceived cost of compliance
 - Tiered approach to VITAL Online subscription; free helpline support via VITAL Coordinator, continued investment in further industry tools
- ~ International acceptance of Reference Dose (Threshold) concept
 - Growing acceptance of the concept and continued science to support the approach
- Global acceptance of VITAL Program



Conclusion

- ~ Allergen Bureau continues to respond to stakeholder needs
 - ~ Working groups
 - Investment in development of resources to support allergen management and VITAL
 - Awards for best practise allergen management
- Collaborate with key stakeholders
 - National Allergy Strategy , Allergen Collaboration
 - FSANZ consultation pieces
 - Codex consultation groups
- ~ International Collaboration FAMS2019



Acknowledgements and Contact Details

Allergen Bureau

- Secretariat (Dr Tom Lewis & Ray Murphy)
- VITAL® Coordinator (Georgina Christensen) & Support (Lisa Warren)
- Website: <u>www.allergenbureau.net</u>
- FREE Helpline
 - email: <u>info@allergenbureau.net</u>
 - International phone: + 61 437 918 959

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