

Further information for VITAL Online Users on the update from version 2.3.30 (previous version) to version 3.0.0 (updated version)

VITAL Online **version 3.0.0** has incorporated

- an updated set of Reference Doses
 - the addition of a Reference Dose for celery in the European Union legislation
 - updated tree nut groupings
 - a Recipe Summary Report (accessible for Account Owners only)
 - 'Update All' functionality (accessible for Account Owners only)
 - a Comparison Summary Report for individual recipes
- } Update Functionality

Updated set of Reference Doses

The VITAL Scientific Expert Panel (VSEP) reviewed the Reference Doses used in the VITAL Program and their recommendations for new and updated Reference Doses have been incorporated into Version 3.0.0 of VITAL Online. The update coincides with the release of Version 3.0 of The Food Industry Guide to the VITAL Program. Refer to the table below to see a summary of changes to Reference Doses.

Table of Summary of changes to Reference Doses in VITAL Online			
Allergen	Reference Dose (mg protein)		Comment
	VITAL 2.0	VITAL 3.0	
Reference Dose has decreased			
Cereals containing gluten (including wheat)	1.0	0.7	Labelling outcomes may have shifted from Action Level 1 to Action Level 2 – check for affected recipes. *Refer to information below about changes to tree nuts.
Soy	1.0	0.5	
Sesame	0.2	0.1	
Lupin	4.0	2.6	
Cashews& Pistachio* nuts	0.1	0.05	
Pecan & Walnut*	0.1	0.03	
Reference Dose has increased			
Egg	0.03	0.2	Labelling outcomes may have shifted from Action Level 2 to Action Level 1.
Milk	0.1	0.2	
Fish	0.1	1.3	
Crustacea	10	25	
New Reference Dose			
Celery/Celeriac	None	0.05	
Reference Dose is unchanged			
Peanuts	0.2	0.2	*Refer information below about changes to tree nuts.
Other tree nuts* (almonds, Brazil nuts, Hazelnuts, Macadamia or Queensland nuts)	0.1	0.1	
Mustard	0.05	0.05	

Recipes assessed in VITAL Online which have a readily dispersible cross contact allergen, for which the Reference Dose has changed, should be checked for changes to the labelling outcome. **Extra care should be taken to identify any recipes where the labelling outcome has changed from Action Level 1 to Action Level 2.**

It is important to note that some Reference Doses have increased, some Reference Doses have decreased and some have stayed the same. Recipes which have readily dispersible cross contact allergens for which the Reference Amount has decreased (i.e. lupin, sesame, soy, wheat & other cereals containing gluten, cashews, pistachio nuts, walnuts & pecans) should have priority for assessment. Some of the labelling outcomes may have moved to Action Level 2 (from Action Level 1) and the cross contact allergen should be declared in a precautionary allergen labelling (PAL) statement. All products assessed using the VITAL Program should be carefully checked to assess the impact of the VITAL 3.0 update to their labelling outcomes. Please refer to the information in this document for how to use the new 'Update All' functionality to assist with this process.

Example of changed Reference Doses

The example below demonstrates how Action Levels may be affected as a result of changes to the Reference Dose data.

Action Level 1 represents a low concentration of the allergen and no PAL statement is required.
Action Level 2 represents a significant concentration of the allergen and a PAL statement is required.

The Reference Dose for milk has increased from **0.1 mg** (in VITAL 2.0) to **0.2 mg** (in VITAL 3.0) of milk protein and the Reference Dose for soy has decreased from 1.0 mg (in VITAL 2.0) to **0.5 mg** (in VITAL 3.0) of soy protein. Table 1 demonstrates the subsequent changes to the Action Levels and labelling outcome.

The concentration of cross contact allergen in the product remains constant, but where the Action Levels have increased the labelling outcome may have changed from Action Level 2 (PAL statement required) to Action Level 1 (PAL statement not required). Where the Action Levels have decreased the labelling outcome may have changed from Action Level 1 (PAL statement not required) to Action Level 2 (PAL statement is required).

Table 1: Example of the effect of changed Reference Dose in VITAL Online

	Reference Dose (mg protein)	Cross contact readily dispersible allergen (ppm) present in final product	Action Levels (ppm) where Reference Amount = 80g		Labelling Outcome
			1	2	
Example of increased Reference Dose:					
VITAL 2.0	Milk = 0.1 mg	2 ppm	<1.25ppm	≥ 1.25ppm	Action Level 2
VITAL 3.0	Milk = 0.2 mg		<2.5ppm	≥2.5ppm	Action Level 1
Example of decreased Reference Dose:					
VITAL 2.0	Soy = 1.0 mg	10 ppm	<12.5ppm	≥ 12.5ppm	Action Level 1
VITAL 3.0	Soy = 0.5 mg		<6.3ppm	≥6.3ppm	Action Level 2

Changes to Labelling Outcomes

The Allergen Bureau recommends that changes to labelling outcomes are assessed on a case-by-case basis to determine the appropriate action. Some changes may be significant (that is, changing from Action Level 1 to Action Level 2) and may trigger the requirement to update product labelling. It should be noted that VITAL is a voluntary program and as such, there is no timeline imposed by the Allergen Bureau for any labelling changes. Due diligence in regard to allergen management should include an assessment of any impacts from the changes to Reference Doses for your products and a plan to implement any required labelling changes.

For further details of the changes to the Reference Doses, refer to the [Summary of the 2019 VITAL Scientific Expert Panel Recommendations](#).

New groupings for tree nuts

Tree nuts in VITAL 3.0 are separated into 3 groupings to reflect the recommendations from the VITAL Scientific Expert Panel. The groups are:

- Cashews & Pistachio nuts;
- Walnuts & Pecans; and
- other tree nuts (Almonds, Brazil nuts, Hazelnuts, Macadamia nuts & Pine nuts)

N.B. This grouping is specific to each legislation

In each group, the cross contact for individual tree nuts is summed to make a labelling outcome.

Table 2 and Table 3 demonstrate how the labelling outcomes change from VITAL 2.0 to VITAL 3.0 for tree nuts.

The example has almond and cashew readily dispersible cross contact each present at 0.7 ppm in the finished product. These amounts are summed in Table 2 which gives an amount equivalent to Action Level 2. The PAL statement would be:

May be present: Tree nuts (almonds, cashews).

Table 3 demonstrates how the labelling outcome would change for this scenario after the update to the VITAL 3.0 groups for tree nuts. This example also has almond and cashew readily dispersible cross contact present at 0.7 ppm in the finished product, however, it has a different labelling outcome when VITAL 3.0 is applied. Almonds are at Action Level 1 and Cashews are at Action Level

2. The PAL statement would be:

May be present: Tree nuts (Cashews).

Table 1: VITAL 2.0 Reference Doses for Tree nuts – example					
Allergen	Reference Dose (mg)	Action Level (ppm) where Reference Dose is 80g		Readily dispersible cross contact amount (ppm)	Labelling Outcome
		Action Level 1	Action Level 2		
Tree nuts (total)	0.1	<1.25	≥1.25	1.4	Action Level 2
Almonds				0.7	
Brazil Nuts					
Cashews				0.7	
Hazelnuts					
Pecans					
Pine nuts					
Pistachios					
Walnuts					

Table 2: VITAL 3.0 Reference Doses for Tree nuts – example

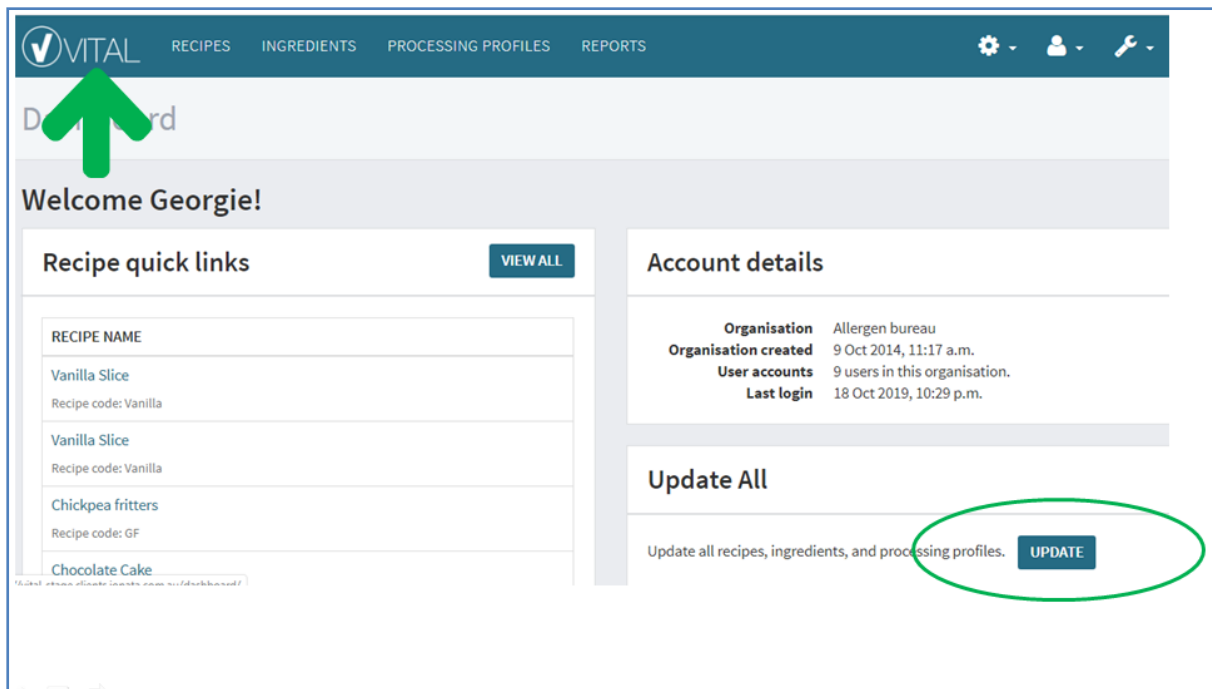
Allergen	Reference Dose (mg)	Action Level (ppm) where Reference Dose is 80g		Readily dispersible cross contact amount (ppm)	Labelling Outcome
		Action Level 1	Action Level 2		
Tree nuts (other) (total)	0.1	<1.25	≥1.25	0.7	Action Level 1
Almonds				0.7	
Brazil Nuts					
Hazelnuts					
Pine nuts					
Walnuts					
Tree nuts (cashews & pistachios)(total)	0.05	<0.62	≥0.62	0.7	Action Level 2
Cashews				0.7	
Pistachio					
Tree nuts (walnuts and pecans)(total)	0.03	<0.38	≥0.03		
Walnuts					
Pecans					

Any recipe which has readily dispersible cross contact allergens for tree nuts should be checked for changed labelling outcomes.

'Update All' Functionality

Update All functionality allows the Account Owner to update all ingredients, processing profiles and recipes in one process – rather than having to update each recipe individually. Account Owners should consider using the Update All functionality soon after the VITAL Online update to the VITAL Program version 3.0 in order to manage this process.

Update All functionality can be accessed from the Dashboard as indicated in the picture below.



The screenshot shows the VITAL dashboard for 'Georgie!'. The top navigation bar includes 'RECIPES', 'INGREDIENTS', 'PROCESSING PROFILES', and 'REPORTS'. A green arrow points to the 'Dashboard' link. The main content area is divided into two columns. The left column, titled 'Recipe quick links', contains a table with the following data:

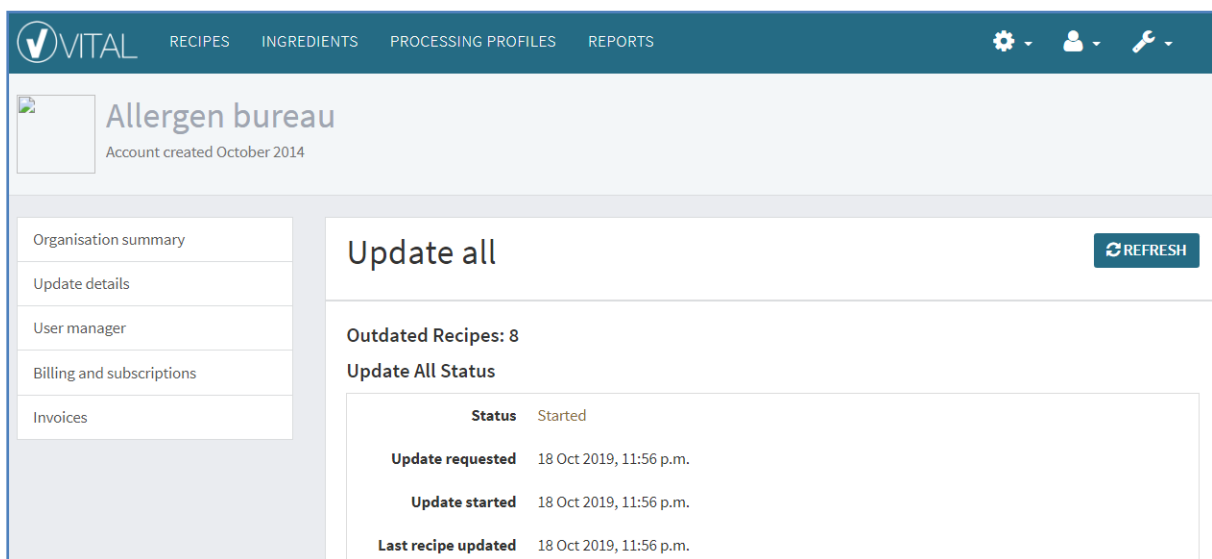
RECIPE NAME
Vanilla Slice Recipe code: Vanilla
Vanilla Slice Recipe code: Vanilla
Chickpea fritters Recipe code: GF
Chocolate Cake

The right column, titled 'Account details', shows the following information:

- Organisation:** Allergen bureau
- Organisation created:** 9 Oct 2014, 11:17 a.m.
- User accounts:** 9 users in this organisation.
- Last login:** 18 Oct 2019, 10:29 p.m.

Below the account details is the 'Update All' section, which includes the text 'Update all recipes, ingredients, and processing profiles.' and a blue 'UPDATE' button circled in green.

After clicking on the Update button, the number of outdated recipes will be supplied as shown in the picture below. Use the update all functionality to update these recipes.



The screenshot shows the 'Update all' page for the 'Allergen bureau' account. The page header includes the VITAL logo and navigation links. The main content area is divided into two columns. The left column contains a sidebar menu with the following items:

- Organisation summary
- Update details
- User manager
- Billing and subscriptions
- Invoices


The right column, titled 'Update all', shows the following information:

- Outdated Recipes:** 8
- Update All Status:**

Status	Started
Update requested	18 Oct 2019, 11:56 p.m.
Update started	18 Oct 2019, 11:56 p.m.
Last recipe updated	18 Oct 2019, 11:56 p.m.

A blue 'REFRESH' button is located in the top right corner of the 'Update all' section.

At the completion of the update, a comparison summary report will be generated, by legislation, to demonstrate any changes. Click on the Download button to open the report.

 DOWNLOAD	Comparison Summary Report
	Status: Ready for download Legislation: Australia and New Zealand Notes: Comparing recipes as of 18 Oct 2019, 11:56 p.m. to recipes as of 18 Oct 2019, 11:57 p.m.

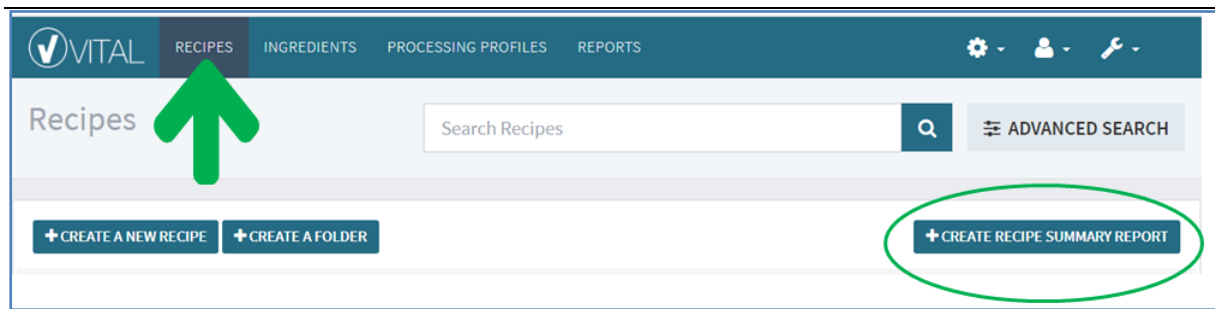
Below is an example of a comparison summary report. In this example, the red circle with an “A” is the VITAL 3.0 (current) version and the blue circle with a “B” is the VITAL 2.0 (previous) version. One of the changes that the Comparison Summary Report indicates in this example is that the labelling outcome for milk has changed from Action Level 2 to Action Level 1.

Substances	Reference Dose (mg)	Action Level 1	Action Level 2	Cross contact amount		Labelling outcome
				Particulate	Readily dispersible (ppm)	
Fish	B 0.1 B < 1 ppm B ≥ 1 ppm	40	Action Level 2			
	A 1.3 A < 13 ppm A ≥ 13 ppm					
Milk	B 0.1 B < 1 ppm B ≥ 1 ppm	1.5	B Action Level 2			
	A 0.2 A < 2 ppm A ≥ 2 ppm		A Action Level 1			

Recipe Summary Report

The Recipe Summary report in VITAL Online provides a summary of the recipes in VITAL Online and their labelling outcomes. This functionality is available for the Account Owner only. A recipe summary can be created, by legislation, for all completed recipes in each VITAL Online account. This functionality may be useful to assist in managing the change from VITAL 2.0 to VITAL 3.0 by comparing a recipe summary report from before and then after the update.

A Recipe Summary report can be created from the RECIPES tab by the Account Owner by clicking on the ‘Create Recipe Summary Report’ button as indicated in the picture below.



The Allergen Bureau will ensure that VITAL Online automatically generates a recipe summary report which can be accessed from the REPORTS tab of VITAL Online prior to the update from VITAL 2.0 to VITAL 3.0. The Account Owner can create a report after using the Update All functionality to create a recipe summary report to compare the recipes before and after the update to VITAL 3.0.

Comparison Summary Report

The Comparison Summary report allows the user to compare any two versions of a recipe. This is accessible by a VITAL user to any of the recipes to which they have View or Edit access. This report can be accessed by clicking on any recipe from the Dashboard or RECIPE tabs.

Use the SELECT buttons (as indicated below) to pick any two versions of the recipe to display the difference in labelling outcomes between the versions. An example of the individual Comparison Summary report is shown below.

Recipe name: **IN_Flourless Chocolate Cake** Recipe code: **Cake 1 200** EDIT COPY

Recipe details

Recipe name: IN_Flourless Chocolate Cake
 Recipe code: Cake 1 200
 Legislation: Australia and New Zealand

Report download

[SHORT SUMMARY](#) [DETAILED SUMMARY](#)

Audit log

MODIFIED BY	DATE & TIME

Comparison Summary

A **18 Oct 2019, 11:57 p.m.**
 Georgie Christensen (Latest revision) [SELECT](#)

B **2 Oct 2019, 6:10 p.m.**
 Georgie Christensen [SELECT](#)

Substances	Reference Dose (mg)	Action Level 1	Action Level 2	Cross contact amount		Labelling outcome
				Particulate	Readily dispersible (ppm)	
Cereals containing gluten (Total)	0.7	B < 3.5 ppm A < 2.92 ppm	B ≥ 3.5 ppm A ≥ 2.92 ppm			