

#### Scotland's Rural College

#### The Role of Credence Attribute Claims in Food Product Launch – A Comparative Study of New Zealand and Australia

Yang, Wei; Tantiwat, W; Renwick, Alan; Revoredo-Giha, C; Wang, Le

Published in: **British Food Journal** 

DOI:

10.1108/BFJ-03-2022-0254

First published: 21/12/2022

Document Version Peer reviewed version

Link to publication

Citation for pulished version (APA):

Yang, W., Tantiwat, W., Renwick, A., Revoredo-Giha, C., & Wang, L. (2022). The Role of Credence Attribute Claims in Food Product Launch – A Comparative Study of New Zealand and Australia. *British Food Journal*. https://doi.org/10.1108/BFJ-03-2022-0254

#### **General rights**

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- · Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
   You may freely distribute the URL identifying the publication in the public portal?

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Download date: 08. Jan. 2023



#### The Role of Credence Attribute Claims in Food Product Launch – A Comparative Study of New Zealand and Australia

Journal:	British Food Journal
Manuscript ID	BFJ-03-2022-0254.R1
Manuscript Type:	Research Paper
Keywords:	Food products, credence attributes, product launch strategy, positioning claim, comparative study

SCHOLARONE™ Manuscripts

# The Role of Credence Attribute Claims in Food Product Launch – A Comparative Study of New Zealand and Australia

#### **Abstract**

**Purpose**: This paper aims to empirically investigate the role of product positioning in the launch of food and drink products using a large dataset of new product development by food companies in Australia (AU) and New Zealand (NZ). As such, positioning through credence attribute claims can be associated with product launch strategies, including brandnew products, expansion of product ranges, new packaging, and relaunch, as a response to market demand.

**Design/methodology/approach**: Text analysis was used to investigate the descriptions of food claims using Structured Query Language, providing a word list of food claims and further filtered and categorized into groups of claims. Multinomial regression models were then employed to analyse the association between product launch strategies and food claims adopted by firms.

**Findings**: The results provide evidence that positioning via food claims play an important role in product launch strategies in both AU and NZ. Types of food claims matter differently to firms' product launch decisions in the two markets. The "green" and "ethical" attributes are found to be associated with new launches in NZ but not in AU. Claims that are seen as most important for consumers are more likely to be engendered for the more costly launch approach.

**Originality**: This study is among the first studies that addresses the role of positioning in product launch strategies of food companies. The results and findings provide insights into the different prevailing credence attributes from the firm side and help policymakers to regulate the delivery of information about credence attributes to consumers.

**Keywords**: food products, credence attributes, product launch strategy, positioning claim, comparative study

Subject classification codes: D22, L51, Q13

#### 1. Introduction

Competition in the international market for a food business requires the development of differentiated products to meet the demand of more quality-stringent, health-conscious, and attribute-oriented consumers (Boughanmi et al., 2007; Dolgopolova and Teuber, 2018; Martínez Michel et al., 2011; Ortega et al., 2015). Meanwhile, there has been an increasing trend that consumers are willing to pay a price premium for food products with credence attributes, such as eco-friendly, organic, and good animal welfare (Lai et al., 2018; Yang and Fang, 2020; Yang and Renwick, 2019; Zhang et al., 2018). In response to the market demand for "green" and "ethical" products, food companies may consider using marketing strategies (e.g., green marketing strategies) (Sacks et al., 2015) to introduce new products with the desired food attributes to help position food brands in the targeted market – through being seen as high quality or "green" brand (Olsen et al., 2014). Green marketing strategies happen as early as when food companies start designing and developing new products (Bhat, 1993; Grunert and van Trijp, 2014; Sharma and Iyer, 2012). For example, some companies work with organic suppliers and introduce food products with organic certifications to the market (Rabadán et al., 2019); others tend to satisfy the demand for "green" attributes by launching products using less packaging or environmental-friendly packaging materials, such as reusable stainless-steel bottles (Morrison, 2021) and biodegradable plastics (Magnier et al., 2016). There has been an increasing trend toward using food claims to position products and promote brands in the targeted market, and this is particularly the case with credence attribute claims (e.g., carbon neutrality) over the last 20 years (Lucas *et al.*, 2021).

However, launching new products comes with high risk and uncertainty, with many new launches failing to reach sustainable realisation (Lemmerer and Menrad, 2019). Despite the high risk, there has been a significant increase in the number of new launches in the last 20 years, with brand-new products leading the trend, followed by new varieties and product line extensions (Solis, 2016; Yang et al., 2021). Meanwhile, it is noted that the rate of new product failure is found to vary across studies and products (Castellion and Markham, 2013). For example, Gourville (2006) find that between 70 and 90 per cent of new products are removed from shelves within a year, and according to Barczak et al. (2009) and Sudhir and Rao (2006), the proportion of new product failure is between 40 and 80 per cent. Note that failure rates for food products differ dramatically across types of product categories and launching approaches (Salnikova et al., 2019): fruit, vegetables, and desserts may have a success rate of up to 88 per cent; new packaging and re-launch strategies also help maintain a high success rate. So far, the mechanisms that drive or hinder new product development are still not well understood (Lemmerer and Menrad, 2019).

Therefore, it is important to understand the relationship between the product launch strategies of firms and their response to demand for products with credence attributes in the market. This is especially important for firms targeting the international market as they need to consider the specific characteristics of the targeted markets and respond with product launches and marketing strategies (Eryigit and Eryigit, 2014). The lack of studies

on the firm side indicates a clear research gap as studies on credence attributes mainly focus on consumers, such as measuring consumers' willingness to pay (WTP) for different credence attributes and investigating factors affecting WTP (Bai *et al.*, 2013; Liu and Niyongira, 2017; Yang and Renwick, 2019), whilst the potential linkage between credence attributes and new product development is ignored. The literature on the firm side tends to evaluate the performance of firms' product launch strategies, such as the survival rate of new products (Castellion and Markham, 2013; Salnikova *et al.*, 2019). In addition, existing studies generally use case study approach to qualitatively compare firms' marketing strategies (e.g. green marketing or brand extension) in positioning products in the targeted markets (Gurău and Ranchhod, 2005; Lwin *et al.*, 2015; Martinez *et al.*, 2008).

To the best of our knowledge, with the exception of Yang *et al.* (2021) who studied the Chinese market, this study is the first attempt to address the research gap in understanding the relationship between firms' choices of credence attribute claims and their product launch strategies. Using multinomial logit regression models, the study provides empirical evidence of the associations between product launch approaches and positioning via the use of food claims, in particular, credence attribute claims that have become increasingly of interest for both firms and consumers (Palma *et al.*, 2016), using New Zealand (NZ) and Australia (AU) markets as an example. By comparing the NZ and AU market based on a large dataset of food and drink products introduced by food companies between 1996 and 2017, the results show that food firms respond to consumers' preferences concerning positioning claims by varying the approach they use to launch new products: similarities and differences are observed concerning the factors, including credence attribute claims that influence firms' launching strategies in two markets.

The study contributes to the literature in two ways. First, it contributes to the existing studies on credence attributes by relating product positioning to food claims of credence attributes and product launch from the firm side. The results show how firms associate product positioning with product launch strategies in response to the increasing demand for food products with credence attributes: credence attributes perceived as the most important by consumers are introduced to the market by the most expensive launch approaches (e.g., launching brand new products). Second, it contributes to the literature on new product development and processing of market information, where firms position their products via food claims to effectively deliver the information about the desired credence attributes to consumers. In addition, given the study has a focus on the prevailing credence attribute claims, such as environmentally sustainable, our results and findings may provide some insights into understanding the trends of firms' responses to market demand to firms that are interested in entering the AU and NZ markets. In addition, the study may be of interest to policymakers who are interested in regulating position claims and food labels of food companies in response to the increasing demand for credence attributes of food products in the two markets.

The rest of the paper is organized as follows. Section 2 first specifies the source of the sample data and how the data is sorted and cleansed for the empirical analysis. Then, the empirical specifications of the econometric models are explained. Section 3 presents

the empirical results, with findings and discussion presented, followed by the last section to conclude.

#### 2. Theoretical background and conceptual framework

To achieve competitiveness in the agri-food market, food companies are faced with the dilemma of whether to invest in developing new products and confront the possible failure of a new product launch, or not to innovate but face the failure of losing market share if competitors launch new products. Although there is no single factor that holds the key to the success of new product development, many of the widely recognised determinates share a common characteristic: the processing of market information (Derbyshire and Giovannetti, 2017; Durmusoglu et al., 2022; Ottum and Moore, 1997). Hence, once food companies "decode" the market information via understanding consumer demand for credence attributes, they are likely to satisfy the demand by providing food products with credence attributes. Here, the literature on diffusion theory helps identify the communication channels between food companies and consumers, which are how information about credence attributes is transmitted to consumers via food labels or claims (Hu et al., 2018; Mahajan et al., 1993). Processing of market information is generally seen as an effective means of integrating marketing, new product development, and production focusing on the sharing of information. That is to say, the effectiveness of processing market information, i.e., collecting, analysing, and sharing market information plays a vital role in determining the success of new products introduced in the market (Kim et al., 2014; Ottum and Moore, 1997). Firms must make good use of market information to embed the key messages into product-related conversations with the targeted consumers (Finne and Grönroos, 2017), for instance, via food labels and food claims.

Another thread of literature tends to associate optimal positioning with effective communication of perceived product attributes. Researchers believe that customer-perceived positioning effectiveness determines the success or failure of positioning new products and brands in the market (Fuchs and Diamantopoulos, 2012) – how firms deliver the attribute-related information may determine the effectiveness of new product positioning (Eryigit and Eryigit, 2014). Therefore, in the agri-food market, given the clear market signal of "green" and "ethical" consumption (Wu *et al.*, 2015; Yang and Fang, 2020; Yang and Renwick, 2019), food companies may consider using food labels or claims to introduce products with credence attributes to help effectively position products in the targeted market – with the information on food labels or claims showing the brand image of high quality perceived by consumers (Eryigit and Eryigit, 2014; Olsen *et al.*, 2014).

However, there is a lack of empirical analyses that provides evidence in understanding the relationship between firms' positioning strategies via food claims and product launch strategies in response to the market demand for food products with credence attributes. Therefore, the study proposes a conceptual framework, shown in Figure I that illustrates how firms respond to consumer demand for credence attributes by positioning new products via credence attribute claims. First, the increasing demand for food products with credence attributes signals the opportunities for developing and launching products with

the desired food attributes. Although the importance of various attributes may differ across countries (Eryigit and Eryigit, 2014), the overall trend of consumers' awareness and willingness to pay for food products with credence attributes has been increasing in the past three decades (Yang and Renwick, 2019). Intuitively, more products with credence attributes are expected to emerge in the market as responses to consumer preferences from the firm side. Second, to position new products in the market with clear information showing the desired attributes, many firms choose to use food labels or food claims to build a product-related conversation with targeted consumers (Finne and Grönroos, 2017). The analysis above points to linkages between product launch and product positioning via food claims to meet the increasing demand for food products with credence attributes, such as environmentally sustainable, ethical, safety, and health and nutrition. Hence, the conceptual framework guides the empirical analysis of the study to investigate how firms respond to market demand for credence attributes by positioning products with credence attribute claims when they introduce new food and drink products to the market.

#### [Insert Figure I

#### 3. Methodology

### 3.1 Data and descriptive analysis

Data used in this study is sourced from Mintel's Global New Product Development (GNPD) database that provides a large dataset of food and drink products introduced by food companies in the NZ and AU market between 1996 and 2017 (Solis, 2016). The database classifies product launches into four types: launch of an entirely new product; new packaging for an existing product; expansion of product range (including new varieties and new ranges) and; launch of a product again (i.e., relaunch). A total of 61,206 observations are included in the empirical analysis, each representing a product launched in the NZ (n=18,023) or AU market (n=43,183). Figure II highlights how food and drink products have been launched onto the market during the period under consideration. The highest proportion of launches was for brand new products, whilst product extensions were the next largest category. The figure also shows that there has been a steady increase in launches comprising new packaging over the period. For comparison purposes, Figure III shows the trend of product launch types in the AU and NZ market, respectively. However, there are no obvious differences in the trend of product launches between the two markets - it was only between 2014 and 2016, the number of launches in the NZ market stayed at a constant high level whilst in the AU market, the number reached a peak in 2016 and decreased in the following year.

[Insert Figure II]
[Insert Figure III]

To construct the sample of 61,206 observations, we first use text analysis to analyse

the descriptions of food positioning claims using Structured Query Language (SQL). For each food and drink product, the text analysis provides a word list of descriptions of the food claims, which are further filtered and categorized into groups based on the existing studies on credence attributes of agri-food products (e.g., Yang and Renwick (2019)). Given that there are more than one credence attribute claims included in the descriptions for each product, we assume that the first claim in the word list is seen as the most important attribute by consumers. For example, for one food product with the word list of "organic", "nutritious", and "good animal welfare", the attribute "organic" is assumed to be the most important amongst the three attribute claims for this product. The categorisation process produces ten groups of attribute claims, including beauty, convenience (e.g., "on-the-go"), cost-saving (e.g., "economy" and "save money"), demographic (e.g., "women", "toddler", "elderly"), environmental sustainability (e.g., "eco-friendly", "environmental-friendly", and "organic"), ethical (e.g., "good animal welfare" and "fair trade"), health and nutrition (e.g., "high fiber" and "added calcium"), safety ("no additives" and "no hormone"), social media ("top-rated in Facebook"), and other attributes that do not fit any existing attribute categorisations in the literature.

The number of launches with credence attribute claims increased significantly from under 100 before 2000 to over 10,000 after 2013, and more types of credence attribute claims emerged after 2012 (see Figure IV and Appendix Table I for details). In addition, Figure IV shows the changes in percentages of credence attribute claims in the study period. As shown in Figure IV, health & nutrition and safety were the top credence attribute claims (with the highest percentages) that are associated with products launched to the AU and NZ market between 1996 and 2017. The credence attribute claims of ethical and environmental sustainability only appeared in the market in 1999 and 2003, respectively. The number of ethical attributes had had a significant increase since 2006, but the percentage of environmentally sustainable claims seemed to be relatively low since they first appeared with the products launched to market. Note that, being a new communication tool, the attribute claims of social media only emerged in 2012, but they gained a significant increase in the number of new launches. There are no significant differences between the AU and NZ market regarding the trends of credence attribute claims over time – a similar trend is observed as that shown in the whole sample (the comparison of the two markets is shown in Appendix Figure I and Figure II).

[Insert Figure IV]

Additionally, we identify the number of attribute claims included in the word list for each product – assuming some firms would like to address as many "popular" attributes as they can to satisfy the market demand, while others tend to focus on only one or a few attributes. Besides drawing the information attribute claims and product launch types, we also recorded other product details, including product type, price, product launch time, and market (NZ and AUS) of each launched product. Detailed definitions and descriptive statistics of the variables used in the empirical analysis are presented in Table I. Table II

further shows the results of Welch's two-sample t-tests of mean differences of the key variables to compare the AU and NZ market. As shown in Table II, there are no significant differences in product launch types between the AU and NZ market, which is consistent with the trends shown in Figure III. However, significant differences are identified in the means of credence attribute claims, such as environmentally sustainable, ethical, health & nutrition, and safety. The differences may indicate that firms respond to market demand for different credence attributes differently as they may consider the different importance of various attributes in the two markets.

216 [Insert Table I]
217 [Insert Table II]

#### 3.2 Empirical Specification

The key aim of this study is to explore the association between credence attribute claims and the approaches adopted by firms to introduce products to the market. In this sense, an individual firm i has J choices (J = (0, 1, 2, 3)) in terms of ways new products can be introduced into the market, namely launching brand-new products (0), launching products with new packaging (1), launching existing products with the expansion of product ranges or varieties (2), and relaunch (4). Firms make their decision-making of which launching approaches to choose based on the utility maximisation theory – firm i chooses approach j that maximises its utility  $U_{ij}$  amongst all J utilities. We use  $Y_i = j$  to denote the choice made, with the probability of choosing j as  $Prob(U_{ij} > U_{ik})$  for all other  $k \neq j$ .

Therefore, the study employs a multinomial logit model to explore the relationship between credence attribute claims and the type of product launch. As shown in Equation 1,  $X_i$  represents the factors, including those related to credence attribute claims and other product characteristics that may affect firms' choices of product launch.

232 
$$Prob(Y_{i} = j \mid X_{i}) = \frac{e^{X_{i}\beta}}{\sum_{j=1}^{J} e^{X_{i}\beta}},$$
 (1)

where the parameters  $\beta$  associated  $X_i$  are to be estimated through Equation 2 to show the relationships between the factors and firms' choices:

$$log(\frac{Prob(Y_i = k)}{Prob(Y_i = 0)}) = \alpha_i + X_i \beta + \varepsilon_i, k = 1, 2, 3,$$
(2)

with the constant  $\alpha_i$  and the error term  $\varepsilon_i$ . Given that four launch approaches are included in the regression model, we have three sets of regression results, with "new product" set as the baseline. For ease of interpretation, we exponentiate the coefficient estimates  $\beta$  to

derive the relative risk ratio (RRR). Here, RRR indicates the risk of the outcome falling in the comparison group (i.e., launching new packaging, expansion of product ranges or varieties, or relaunch) compared to the risk of the outcome falling in the referent group (in our case launching brand-new products) changes with the factors  $X_i$  (Greene, 2012).

#### 4. Results and discussion

#### 4.1 Results for the AU market

Table III shows the estimated RRRs obtained from the multinomial regression model for the AU market. Here, an RRR greater than one indicates the comparison outcome is more likely; if it is less than one, the outcome is more likely to be in the reference group (Greene, 2012). Note that the full regression model also controls for the fixed effects of food categories (e.g., dairy, desserts, snacks, etc.), but we only present the estimated RRRs for the key independent variables. The full regression results are included in the Appendix.

[Insert Table III]

Based on the estimated results in Table III, as for the claims of credence attributes, the attributes of safety and health, and nutrition are found to be associated with firms' strategies of introducing food products to the market. In particular, if food companies were to launch brand-new products to the AU market, they are more likely to consider introducing the safety attribute than have no claims: food products with safety labels (versus no claims) are 19.7%, 5.9%, and 20.9% less likely to be launched with new packaging, as a new range/variety, or relaunched, respectively when compared to being launched as brand-new products. Similarly, the health and nutrition attribute is less likely to be considered by firms when launching brand-new products to the AU market. The results show that food products with health and nutrition labelling are 1.2% and 1.6% more likely to be launched as brand-new products, compared to being launched with new packaging or as a new range/variety, respectively. Interestingly, the environmentally sustainable and ethical attributes are found to have no association with the approach firms chose to launch products in the AU market.

Also, results of the study indicate that other claims, including the attributes of demographic, beauty, and convenience, are associated with firms' decision-making concerning product launches. The demographic claims are more likely to be associated with the strategy of launching brand-new products relative to new packaging and new range/variety. In contrast, the food claims of convenience are more likely to be associated with the strategy of launching brand-new products relative to other launch approaches. In terms of products with beauty claims, the study shows that they are more likely to be associated with new packaging for existing products than with brand-new products.

Besides considering types of food claims, food companies relate the number of credence attribute claims to the approach adopted to launch products to the AU market. Results of the study show food companies are more likely to launch brand-new products

with more position claims when compared to the other types of launches. Additionally, a higher unit price (in USD) is found to be associated with brand-new products launched to the AU market. Hence, if a food company were to increase the unit price of a food product, the firm would be expected to choose to introduce a brand-new product to the market.

#### 4.2 Results for the NZ market

Table IV presents the estimated RRRs obtained from the multinomial regression model for the NZ market. Based on the estimated results in Table IV, most of the attribute claims are found to be associated with firms' strategies of introducing food products to the market. As for the claims of credence attributes, the attributes of environmentally sustainable, ethical, safety, and health and nutrition are found to be related to firms' launching approaches. In particular, the environmentally sustainable attribute is more likely to be considered by firms when launching brand-new products to the NZ market: food products with green labels are 43.3%, 35.1%, and 46.8% less likely to be launched with the existing products with new packaging, new variety/range, and relaunch respectively, compared to be launched with brand-new products. Likewise, firms are more likely to consider food products with safety attributes when launching brand-new products to the NZ market. Food products with safety labels are 16.5%, 6.1%, and 8.6% less likely to be launched with the existing products with new packaging, new variety/range, or re-launched products respectively, compared to being launched with brand-new products. Also, health and nutrition labelling is more likely to be considered by firms when launching brand-new products to the NZ market. Food products with health and nutrition labels are 2.8%, 5.9%, and 1.8% less likely to be launched with the existing products with new packaging and expansion of product range, compared to being launched with brand-new products. In contrast, the attribute of the ethical variable is less likely to be considered by firms when launching brand-new products to the NZ market. The results show food products with ethical labelling are 56.5%, 38.1%, and 50.8% more likely to be launched with the existing products with new packaging, new variety/range, and relaunch respectively, compared to being launched with brand-new products.

#### [Insert Table IV]

Other positioning claims, including "demographic", "beauty", and "convenience", are also found to be related to launch strategies. For example, the results show that the use of demographic claims is more likely to be associated with the strategy of launching brandnew products relative to product extensions and relaunches. From the findings, beauty claims are more likely to be associated with relaunches than other launch approaches. And the positioning claims of convenience are less likely to be launched with brand-new products than being launched with the existing products of new packaging and product extensions. In terms of other credence attributes (e.g., good quality), our results show that the claims of other credence attributes are more likely to be related to launching new products relative to product extensions and relaunch strategies.

Lastly, food companies also relate the number of position claims to the approach adopted to launch products to the NZ market. We find food companies are more likely to include a higher number of position claims when they launch a new product compared to when products are repackaged, extended, or relaunched. In addition, our results show a higher unit price is likely to be associated with brand-new products launched to the NZ market.

#### 4.3 Comparison between AU and NZ market

The regression results shown above reveal the similarity between the AU and NZ market. First, firms in the AU and NZ markets are more likely to consider using the strategy of launching brand-new products with claims of credence attributes and other positioning claims, compared to no claims. These findings are consistent with those of Rex and Baumann (2007), who found that if firms invest in more expensive launching strategies, in our case new products, they prefer to place the claims perceived as attractive or competitive at the beginning of the food description. These include the claims of safety and health and nutrition. One possible reason is these two markets are regulated by the Australia New Zealand Food Standards Code (FSC) for food product claims (Devi et al., 2014). That is, all packaged foods available in Australia and New Zealand are required to meet certain criteria<sup>[1]</sup> to carry claims from 2012, following strict restrictions on nutrition and health claims to products that meet certain "healthy" criteria. This partly explains the relationship between positioning claims and product launch strategies, where firms tend to deliver information about healthy and quality foods through new product launches. Currently, it is mandatory for firms to display a nutrition information panel (NIP) on most packaged foods in the two markets, and if nutrition claims are made, the nutrition information for that nutrient must be displayed on the NIP (Ghosh, 2014; Ministry for Primary industries, 2022). Hence, when introducing brand-new products, food companies may consider using health and nutrition claims to reflect the healthiness of their products, supported by the information on NIP (Devi et al., 2014). Therefore, food products, such as breakfast cereals that meet the "healthy" criteria based on the NIP tend to have more "health and nutrition" claims (Devi et al., 2014). In addition to positioning claims, the results show that firms in the AU and NZ markets consider the number of positioning claims of products when making the decisions of launching products to the market: more numbers of positioning claims come with brand-new products than the existing products with new packaging, product extensions, and relaunch. One possible reason is the high rate of new product failure, and thus addressing as many as desired attributes with position claims may help food products survive in the targeted markets (Gourville, 2006; Lwin et al., 2015; Salnikova et al., 2019). Second, price is found to be a factor related to firms launching approaches in both the AU and NZ market, and in particular, a higher unit price of the product is more likely to be associated with brand-new products launched to the market. This finding is consistent with Luiten et al. (2016) that there is no significant price difference between the AU and NZ market for ultra-processed foods.

It is noted that, given the higher cost of developing new products, food companies in

the AU and NZ markets may choose to launch brand-new products with the positioning claims that are most preferred by the market, such as safety, health and nutrition, and demographic attributes. This finding is consistent with the results based on other markets – food companies in China prefer to invest in developing new products with the credence attribute of safety rather than other attributes, such as ethical, because food safety is of the greatest concern to Chinese consumers (Yang and Fang, 2020). Thus, food companies may choose the less costly approaches, such as new variety/range and new packaging, to deliver information about good animal welfare, as it is less important than safety attributes to consumers in the AU and NZ markets (Duan *et al.*, 2019).

Results of the study also show differences between the AU and NZ market concerning firms' launching strategies and the factors that influence the choice. Whilst there is a clear connection between launching strategies and positioning via credence attribute claims, firms' preferences concerning types of credence claims differ between the AU and NZ market. For example, there is a clear difference in firms' choices of "green" claims in the AU and NZ markets regarding product launch strategies. The study finds that environmental sustainability attributes, such as environmentally-friendly and eco-friendly are related to firms' product launching strategies in NZ but not for the AU market. On the one hand, the current NZ government has actively promoted environmental protection programs, such as the "zero carbon bill" that may motivate firms to focus more on investing in product development with the desired attribute, i.e., the "green" attribute (Jackson Inderberg and Bailey, 2019; Yang et al., 2020). On the other hand, this finding may reflect NZ consumers' preferences for food products, of which those associated with "green" claims are expected to benefit the environment (Gan et al., 2008; Yang and Renwick, 2019). Note that "green" attribute claims are found to be more likely to be associated with brand-new products than other launching approaches in the NZ market. However, this finding is not consistent with the results of Yang et al. (2021) who found that the attribute of being environmentally sustainable is more likely to be associated with new packaging in the Chinese market. They state that firms tend to address consumers' concerns about over-packaging by launching products with environmentally-friendly packaging (Rees et al., 2019; Singh and Pandey, 2018); also, it is easier and cheaper to focus on environmentally-friendly packaging than investing in developing new products with "green" attributes (Liu and Niyongira, 2017). This difference between the NZ and Chinese market reflects the different marketing strategies of food companies, where companies prefer investing in developing new products to address the increasing awareness of environmental issues related to food production in NZ. In addition, in contrast to the NZ market where firms tend to use ethical labelling when launching products, this attribute is found to have no association with firms' product launching approaches in the AU market. Likewise, this finding may reveal firms' responses to the market concerning the importance of different credence attributes to consumers across different markets (Martinez et al., 2008; Salnikova et al., 2019).

#### 5. Conclusion

This study provides evidence that food companies consider using credence attribute claims as a positioning strategy when introducing new products to the AU and NZ markets. Analysing the decision-making from the firm side, the study fills in the research gap in understanding firms' responses to consumer demand for credence attributes and their product launch strategies. Firms use food claims of credence attributes to deliver information about the desired credence attributes to consumers and effectively position products. The association between product launch and product positioning via food claims show that firms may consider aligning different credence attribute claims to product launching approaches, considering the importance of credence attributes perceived by consumers in different markets. The comparison between the AU and NZ market contributes to the literature by adding to the empirical evidence showing similarities as well as differences concerning food companies' product launch and positioning strategies in the AU and NZ markets – the only empirical study focusing on this topic was conducted in the Chinese market (Yang *et al.*, 2021).

This study provides important managerial implications for food firms. First, the clear association between product positioning via food claims and product launch strategies suggests that food firms may explore the pathway of increasing the success rate of product launches via attaching the credence attribute claims demanded by the targeted market. For instance, the claims of safety and health, and nutrition may be considered by food companies when making decisions on product launches, especially introducing brand-new products to the market. Second, the study provides insights into the different prevailing credence attributes of food products between the AU and NZ market, indicating that firms need to consider the importance of attributes perceived by consumers from different markets when positioning products via food claims. Understanding the differences in a cross-country context may help firms better position new products in the targeted markets. For example, given the attribute claims of being environmentally sustainable and ethical are preferred by the NZ market but not the AU market, any firm should consider the two claims differently when considering entering or launching new products in these markets.

As for policymakers, it is important to understand how firms respond to market demand by relating product positioning to product launch strategies. Understanding the trend of firms' responses and strategies can help policymakers to regulate the delivery of information about credence attributes to consumers. Although there is an increasing trend that consumers are willing to purchase food products with credence attributes, it is not clear whether or not they understand the credence attribute claims – claims such as health and nutrition and "green" can be vague and general. Hence, policymakers may consider specifying ways of describing or presenting the credence attribute claims. Notably, given the different focuses of credence attribute claims of the two markets, policymakers may be interested in developing policy instruments to facilitate specific regulations for different claims (Wood *et al.*, 2013).

Note that the study is limited by the data used in the empirical analysis, as it only covers the period between 1996 and 2017. Thus, results and findings of the study are

limited by the "historical" analysis, whereas the study aims to understand the current trends of product launches, product positioning, and credence attribute claims based on the data before 2017. Hence, future studies may consider conducting a following-up study to incorporate more recent data to identify the potential changes. To test for the generalizability of the findings, it is suggested that future studies test for the relationship between product positioning via credence attribute claims and product launch strategies in other countries when more data become available.

#### **Notes:**

[1] Food labelling standards are set by FSANZ in the Food Standards Code, the standards of which are enforced by the Australian states and territories in Australia and by the Ministry for Primary Industries (MPI) in New Zealand. The subcategories of labelling standards include those for Allergen labelling, Country of origin labelling, ingredients list and percentage labelling, nutrition, health and related claims, etc (details of the standards can be found on the website of FSANZ (Food Standards Australia New Zealand, 2020).

#### **References:**

- Bai, J., Zhang, C. and Jiang, J. (2013), "The role of certificate issuer on consumers" willingness-to-pay for milk traceability in China", *Agricultural Economics*, Vol. 44 No. 4–5, pp. 537–544.
- Barczak, G., Griffin, A. and Kahn, K.B. (2009), "Perspective: Trends and drivers of success in NPD practices: Results of the 2003 PDMA best practices study", *Journal of Product Innovation Management*, Vol. 26 No. 1, pp. 3–23.
- Bhat, V.N. (1993), "Green marketing begins with green design", *Journal of Business & Industrial Marketing*, MCB UP Ltd.
- Boughanmi, H., Al-Musalami, J., Al-Oufi, H. and Zaibet, L. (2007), "Estimating consumer preferences for value-added fish products in Oman: A conjoint analysis", *Journal of Food Products Marketing*, Vol. 13 No. 2, pp. 47–68.
- Castellion, G. and Markham, S.K. (2013), "Perspective: New product failure rates: influence of a rgumentum ad p opulum and self-interest", *Journal of Product Innovation Management*, Vol. 30 No. 5, pp. 976–979.
- Derbyshire, J. and Giovannetti, E. (2017), "Understanding the failure to understand New Product Development failures: Mitigating the uncertainty associated with innovating new products by combining scenario planning and forecasting", *Technological Forecasting and Social Change*, Elsevier, Vol. 125, pp. 334–344.
- Devi, A., Eyles, H., Rayner, M., Mhurchu, C.N., Swinburn, B., Lonsdale-Cooper, E. and Vandevijvere, S. (2014), "Nutritional quality, labelling and promotion of breakfast cereals on the New Zealand market", *Appetite*, Elsevier, Vol. 81, pp. 253–260.

- Dolgopolova, I. and Teuber, R. (2018), "Consumers' Willingness to Pay for Health Benefits in Food Products: A Meta-Analysis", *Applied Economic Perspectives and Policy*, Vol. 40 No. 2, pp. 333–352.
- Duan, H., Song, G., Qu, S., Dong, X. and Xu, M. (2019), "Post-consumer packaging waste from express delivery in China", *Resources, Conservation and Recycling*, Vol. 144, pp. 137–143.
- Durmusoglu, S.S., Atuahene-Gima, K. and Calantone, R.J. (2022), "Marketing strategy decision making in new product development: direct effects and moderation by market information time sensitivity and analyzability", *European Journal of Innovation Management*, Emerald Publishing Limited, No. ahead-of-print.
- Eryigit, C. and Eryigit, M. (2014), "Understanding the effectiveness of positioning bases with regard to customer perceptions", *Journal of Global Marketing*, Taylor & Francis, Vol. 27 No. 2, pp. 85–93.
- Finne, Å. and Grönroos, C. (2017), "Communication-in-use: customer-integrated marketing communication", *European Journal of Marketing*, Emerald Publishing Limited.
- Food standards Australia New Zealand. (2020), "Food labelling", available at: https://www.foodstandards.gov.au/industry/labelling/pages/default.aspx (accessed 10 September 2022).
- Fuchs, C. and Diamantopoulos, A. (2012), "Customer-perceived positioning effectiveness: Conceptualization, operationalization, and implications for new product managers", *Journal of Product Innovation Management*, Wiley Online Library, Vol. 29 No. 2, pp. 229–244.

- Ghosh, D. (2014), "Food safety regulations in Australia and New Zealand food standards", *Journal of the Science of Food and Agriculture*, Wiley Online Library, Vol. 94 No. 10, pp. 1970–1973.
- Gourville, J.T. (2006), "Eager sellers and stony buyers: Understanding the psychology of new-product adoption", *Harvard Business Review*, Vol. 84 No. 6, pp. 98-106,145.
- Grunert, K.G. and van Trijp, H.C.M. (2014), "Consumer-oriented new product development", *Encyclopedia of Agriculture and Food Systems*, Academic Press Oxford, Vol. 2, pp. 375–386.
- Gurău, C. and Ranchhod, A. (2005), "International green marketing: A comparative study of British and Romanian firms", *International Marketing Review*.
- Hu, H., Lin, J., Qian, Y. and Sun, J. (2018), "Strategies for new product diffusion: Whom and how to target?", *Journal of Business Research*, Elsevier, Vol. 83, pp. 111–119.
- Jackson Inderberg, T.H. and Bailey, I. (2019), "Changing the record: Narrative policy analysis and the politics of emissions trading in New Zealand", *Environmental Policy and Governance*, Wiley Online Library, Vol. 29 No. 6, pp. 409–421.
- Kim, T.H., Lee, J.-N., Chun, J.U. and Benbasat, I. (2014), "Understanding the effect of knowledge management strategies on knowledge management performance: A contingency perspective", *Information & Management*, Elsevier, Vol. 51 No. 4, pp. 398–416.
- Lai, J., Wang, H.H., Ortega, D.L. and Olynk Widmar, N.J. (2018), "Factoring Chinese consumers' risk perceptions into their willingness to pay for pork safety, environmental stewardship, and animal welfare", *Food Control*, Vol. 85, pp. 423–431.

- Lemmerer, A. and Menrad, K. (2019), "Acceptance of new food products: reference prices and psychological moderators of heterogeneous price effects", *Journal of Food Products Marketing*, Vol. 25 No. 7, pp. 713–733.
- Liu, A. and Niyongira, R. (2017), "Chinese consumers food purchasing behaviors and awareness of food safety", *Food Control*, Vol. 79, pp. 185–191.
- Lucas, S., Soler, L.-G. and Revoredo-Giha, C. (2021), "Trend analysis of sustainability claims: The European fisheries and aquaculture markets case", *Food Policy*, Elsevier, Vol. 104, p. 102141.
- Luiten, C.M., Steenhuis, I.H.M., Eyles, H., Mhurchu, C.N. and Waterlander, W.E. (2016), "Ultra-processed foods have the worst nutrient profile, yet they are the most available packaged products in a sample of New Zealand supermarkets", *Public Health Nutrition*, Cambridge University Press, Vol. 19 No. 3, pp. 530–538.
- Lwin, M.O., Vijaykumar, S. and Chao, J. (2015), "'Natural' and 'Fresh': An Analysis of Food Label Claims in Internationally Packaged Foods in Singapore", *Journal of Food Products Marketing*, Vol. 21 No. 6, pp. 588–607.
- Magnier, L., Schoormans, J. and Mugge, R. (2016), "Judging a product by its cover:

  Packaging sustainability and perceptions of quality in food products", *Food Quality and Preference*, Vol. 53, pp. 132–142.
- Mahajan, V., Muller, E. and Bass, F.M. (1993), "New-product diffusion models", *Handbooks in Operations Research and Management Science*, Elsevier, Vol. 5, pp. 349–408.
- Martinez, E., Polo, Y. and De Chernatony, L. (2008), "Effect of brand extension strategies on brand image: A comparative study of the UK and Spanish markets", *International*

Marketing Review.

- Martínez Michel, L., Anders, S. and Wismer, W. V. (2011), "Consumer Preferences and willingness to pay for value-added chicken product attributes", *Journal of Food Science*, Wiley Online Library, Vol. 76 No. 8, pp. S469–S477.
- Ministry for Primary Industries. (2022), "Health and nutrition claims regulations: Standard 1.2.7", available at: https://www.mpi.govt.nz/food-business/labelling-composition-food-drinks/health-and-nutrition-content-claims-for-food-and-drink/health-and-nutrition-claims-regulations-standard-1-2-7/ (accessed 17 January 2021).
- Morrison, T. (2021), "Synlait launches stainless steel milk bottles in South Island supermarkets", *Stuff*, available at:https://doi.org/https://www.stuff.co.nz/business/farming/126541391/synlait-launchesstainless-steel-milk-bottles-in-south-island-supermarkets.
- Olsen, M.C., Slotegraaf, R.J. and Chandukala, S.R. (2014), "Green claims and message frames: how green new products change brand attitude", *Journal of Marketing*, Vol. 78 No. 5, pp. 119–137.
- Ortega, D.L., Wang, H.H., Wu, L. and Hong, S.J. (2015), "Retail channel and consumer demand for food quality in China", *China Economic Review*, Vol. 36, pp. 359–366.
- Ottum, B.D. and Moore, W.L. (1997), "The role of market information in new product success/failure", *Journal of Product Innovation Management: An International Publication of the Product Development & Management Association*, Wiley Online Library, Vol. 14 No. 4, pp. 258–273.
- Palma, M.A., Ribera, L.A. and Knutson, R.D. (2016), "The era of the functional consumer",

Journal of Food Products Marketing, Vol. 22 No. 5, pp. 555–570.

- Rabadán, A., González-Moreno, Á. and Sáez-Martínez, F.J. (2019), "Improving Firms' Performance and Sustainability: The Case of Eco-Innovation in the Agri-Food Industry", *Sustainability*, Vol. 11 No. 20, p. 5590.
- Sacks, G., Mialon, M., Vandevijvere, S., Trevena, H., Snowdon, W., Crino, M. and Swinburn, B. (2015), "Comparison of food industry policies and commitments on marketing to children and product (re) formulation in Australia, New Zealand and Fiji", *Critical Public Health*, Taylor & Francis, Vol. 25 No. 3, pp. 299–319.
- Salnikova, E., Baglione, S.L. and Stanton, J.L. (2019), "To launch or not to launch: An empirical estimate of new food product success rate", *Journal of Food Products Marketing*, Vol. 25 No. 7, pp. 771–784.
- Sharma, A. and Iyer, G.R. (2012), "Resource-constrained product development: Implications for green marketing and green supply chains", *Industrial Marketing Management*, Elsevier, Vol. 41 No. 4, pp. 599–608.
- Singh, G. and Pandey, N. (2018), "The determinants of green packaging that influence buyers' willingness to pay a price premium", *Australasian Marketing Journal (AMJ)*, Elsevier, Vol. 26 No. 3, pp. 221–230.
- Solis, E. (2016), "Mintel global new products database (GNPD)", *Journal of Business & Finance Librarianship*, Taylor & Francis, Vol. 21 No. 1, pp. 79–82.
- Sudhir, K. and Rao, V.R. (2006), "Do slotting allowances enhance efficiency or hinder competition?", *Journal of Marketing Research*, Vol. 43 No. 2, pp. 137–155.
- Wood, A., Tenbensel, T. and Utter, J. (2013), "The divergence of country of origin labelling

- regulations between Australia and New Zealand", *Food Policy*, Elsevier, Vol. 43, pp. 132–141.
- Wu, L., Wang, S., Zhu, D., Hu, W. and Wang, H. (2015), "Chinese consumers' preferences and willingness to pay for traceable food quality and safety attributes: The case of pork", *China Economic Review*, Vol. 35, pp. 121–136.
- Yang, W. and Fang, L. (2020), "Consumer Willingness to Pay for Food Safety Attributes in China: A Meta-Analysis", *Journal of International Food & Agribusiness Marketing*, Routledge, pp. 1–18.
- Yang, W., Rennie, G., Ledgard, S., Mercer, G. and Lucci, G. (2020), "Impact of delivering 'green'dairy products on farm in New Zealand", *Agricultural Systems*, Elsevier, Vol. 178, p. 102747.
- Yang, W. and Renwick, A. (2019), "Consumer Willingness to Pay Price Premiums for Credence Attributes of Livestock Products A Meta-Analysis", *Journal of Agricultural Economics*, pp. 1477-9552.12323.
- Yang, W., Renwick, A., Tantiwat, W., Revoredo-Giha, C. and Wu, D. (2021), "Food product launch and positioning in China—Do claims of credence attributes matter?", *Agribusiness*, Wiley Online Library, Vol. 37 No. 4, pp. 915–926.
- Zhang, B., Fu, Z., Huang, J., Wang, J., Xu, S. and Zhang, L. (2018), "Consumers' perceptions, purchase intention, and willingness to pay a premium price for safe vegetables: A case study of Beijing, China", *Journal of Cleaner Production*, Vol. 197, pp. 1498–1507.

#### **Tables:**

Table I

Descriptions and descriptive statistics of key variables of food and drink products of the whole sample (n=61,206).

Variable	Description	Mean (S.D.)a
Outcome variable	Or:	
Launch type:	· //×:	
New product	Dummy, =1 launching new product, =0 otherwise, set as the baseline.	0.453 (0.497)
New packaging	Dummy, =1 launching new packaging, =0 otherwise.	0.164 (0.368)
Expansion of product range	Dummy, =1 expanding new varieties or new ranges, =0 otherwise.	0.368 (0.481)
Re-launch	Dummy, =1 relaunch, =0 otherwise.	0.031 (0.175)
Positioning claim variable		
Positioning claims:		
No claim	Dummy, =1 product with no positioning claim labels, =0 otherwise, set as the baseline.	0.379 (0.421)
Beauty	Dummy, =1 beauty attributes placed in the beginning of food claims, =0 otherwise.	0.005 (0.025)
Convenience	Dummy, =1 convenience attributes placed in the beginning of food claims, =0 otherwise.	0.083 (0.183)
Cost-saving	Dummy, =1 cost-saving attributes placed in the beginning of food claims, =0 otherwise.	0.011 (0.113)
Demographic	Dummy, =1 demographic attributes placed in the beginning of food claims, =0 otherwise.	0.107 (0.301)
Environmentally Sustainable	Dummy, =1 credence attribute of environmentally sustainable placed in the beginning of food claims, =0 otherwise.	0.044 (0.040)
Ethical	Dummy, =1 ethical credence attribute of placed in the beginning of food claims, =0 otherwise.	0.005 (0.234)
Health & nutrition	Dummy, =1 credence attribute of health and nutrition placed in the beginning of food claims, =0 otherwise.	0.166 (0.350)
Safety	Dummy, =1 credence attribute of safety placed in the beginning of food claims, =0 otherwise.	0.111 (0.480)

	Social media <sup>b</sup>	Dummy, =1 social media attributes placed in the beginning of food claims, =0 otherwise.	0.038 (0.259)
	Other attributes	Dummy, =1 other attributes (e.g., good quality) placed in the beginning of food claims, =0 otherwise.	0.05 (0.192)
N claims		The number of credence attribute claims of a product.	2.32 (2.26)
Control var	iable		
Country		Dummy, =1 product launched in Australia, =0 New Zealand.	0.705 (0.456)
Price		Unit price (e.g., per g. or per ml.) in USD.	2.14 (3.79)
Launch year:	• •		
	Before 2000	Dummy, =1 product launched before 2000, =0 otherwise, set as the base.	0.022 (0.146)
	2001	Dummy, =1 product launched in 2001, =0 otherwise.	0.023 (0.149)
	2002	Dummy, =1 product launched in 2002, =0 otherwise.	0.022 (0.147)
	2003	Dummy, =1 product launched in 2003, =0 otherwise.	0.025 (0.156)
	2004	Dummy, =1 product launched in 2004, =0 otherwise.	0.042 (0.200)
	2005	Dummy, =1 product launched in 2005, =0 otherwise.	0.044 (0.206)
	2006	Dummy, =1 product launched in 2006, =0 otherwise.	0.038 (0.191)
	2007	Dummy, =1 product launched in 2007, =0 otherwise.	0.061 (0.239)
	2008	Dummy, =1 product launched in 2008, =0 otherwise.	0.043 (0.203)
	2009	Dummy, =1 product launched in 2009, =0 otherwise.	0.068 (0.251)
	2010	Dummy, =1 product launched in 2010, =0 otherwise.	0.063 (0.243)
	2011	Dummy, =1 product launched in 2011, =0 otherwise.	0.052 (0.222)
	2012	Dummy, =1 product launched in 2012, =0 otherwise.	0.057 (0.232)
	2013	Dummy, =1 product launched in 2013, =0 otherwise.	0.076 (0.265)
	2014	Dummy, =1 product launched in 2014, =0 otherwise.	0.088 (0.285)
	2015	Dummy, =1 product launched in 2015, =0 otherwise.	0.108 (0.311)
	2016	Dummy, =1 product launched in 2016, =0 otherwise.	0.093 (0.291)
	2017	Dummy, =1 product launched in 2017, =0 otherwise.	0.073 (0.261)

a. The number shown in percentage represents the proportion of the category in the sample (e.g., 0.02 represents 2%). b. The attribute of "Social media" refers to "interest", "licensing", or "certificate" the given product gets from social media

**Table II**Comparison of mean differences for the key variables of food and drink products between the AU and NZ market.

Variable	Mean difference	P. value	Significance level
Outcome variable			
Launch type:			
New product	0.012	0.11	
New packaging	0.016	0.23	
Expansion of product range	0.002	0.18	
Re-launch	0.013	0.17	
Positioning claim variable			
Positioning claims:			
No claim	0.028	0.11	
Beauty	0.001	0.20	
Convenience	0.003	< 0.01	***
Cost-saving	0.002	0.22	
Demographic	0.001	0.03	**
Environmentally Sustainable	0.002	< 0.01	***
Ethical	0.002	< 0.001	***
Health & nutrition	0.026	0.03	**
Safety	0.036	0.02	**
Social media	0.002	0.22	
Other attributes	0.001	0.14	
N claims	0.16	0.16	
Price	0.89	0.08	*

Notes: \*\*\*p < 0.01, \*\*p < 0.05, \*p < 0.1 for Welch two sample t-test of mean differences in the AU and NZ markets.

Table III

Estimated RRRs of the multinomial regression model of the AU market

Variable	New Packaging	Expansion of product range	Relaunch
(Intercept)	0.194 (0.317)***	0.504 (0.132)***	0.010 (0.499)***
Convenience	1.275 (0.043)***	1.213 (0.032)***	1.239 (0.072)***
Demographic	0.860 (0.045)***	0.827 (0.032)***	0.970 (0.078)
Environmentally Sustainable	0.331 (0.532)	0.602 (0.789)	0.400 (0.558)
Ethical	1.402 (0.645)	1.271 (0.437)	1.434 (0.755)
Safety	0.803 (0.036)***	0.941 (0.025)**	0.791 (0.064)***
Health and nutrition	0.988 (0.002)**	0.984 (0.001)**	0.992 (0.401)
Social media	0.861 (0.206)	0.860 (0.157)	0.833 (0.371)
Beauty	1.486 (0.163)**	0.964 (0.14)	1.505 (0.259)
Other attributes	0.979 (0.151)	0.875 (0.126)	1.372 (0.247)
N claims	0.926 (0.308)***	0.941 (0.123)***	0.939 (0.016)**
Price in US Dollars	0.966 (0.317)***	0.964 (0.132)***	0.963 (0.017)**

1999	0.797 (1.059)	0.357 (0.753)	6.964 (0.798)**
2000	0.003 (5.138)	0.579 (0.208)***	0.066 (2.441)
2001	0.612 (0.357)	0.847 (0.122)	2.320 (0.315)***
2002	0.375 (0.354)***	0.498 (0.114)***	0.806 (0.379)
2003	0.881 (0.326)	1.013 (0.106)	0.379 (0.605)
2004	0.765 (0.32)	1.766 (0.085)***	0.237 (0.633)**
2005	1.091 (0.304)	1.487 (0.082)***	0.478 (0.438)*
2006	0.984 (0.325)	2.267 (0.093)***	1.503 (0.344)
2007	1.309 (0.298)	1.083 (0.083)	0.258 (0.538)**
2008	0.947 (0.303)	0.954 (0.084)	0.124 (0.737)***
2009	1.427 (0.294)	0.995 (0.08)	0.054 (1.015)***
2010	1.613 (0.299)	0.963 (0.092)	0.215 (0.627)**
2011	1.822 (0.292)**	0.601 (0.092)***	0.695 (0.335)
2012	1.481 (0.295)	0.903 (0.084)	0.802 (0.323)
2013	1.231 (0.290)	0.735 (0.076)***	1.723 (0.228)**
2014	1.892 (0.286)**	1.030 (0.070)	3.775 (0.201)***
2015	2.545 (0.286)***	1.224 (0.070)***	3.754 (0.204)***
2016	3.817 (0.285)***	1.294 (0.073)***	4.556 (0.203)***
2017	3.303 (0.288)***	1.489 (0.077)***	8.220 (0.197)***

Note: values in parathesis are standard errors; \*p<0.1; \*\*p<0.05; \*\*\*p<0.01 represent significance levels associated with the coefficient estimates.

**Table IV**Estimated RRRs of the multinomial regression model of the NZ market

Variable	New Packaging	Expansion of product range	Relaunch
(Intercept)	0.274 (0.175)***	0.939 (0.076)	0.061 (0.205)***
Convenience	1.093 (0.029)***	1.059 (0.023)**	1.061 (0.051)
Demographic	0.977 (0.025)	0.938 (0.020)***	0.916 (0.048)*
Environmentally	0.567 (0.146)***	0.649 (0.116)***	0.532 (0.283)**
Sustainable		, ,	
Ethical	1.565 (0.027)***	1.381 (0.024)***	1.508 (0.045)***
Safety	0.835 (0.021)***	0.939 (0.016)***	0.914 (0.0638)**
Health and nutrition	0.972 (0.002)**	0.941 (0.001)**	0.982 (0.04)*
Social media	0.645 (0.355)	0.92 (0.245)	0.876 (0.509)
Beauty	0.784 (0.107)**	0.920(0.089)	1.549 (0.155)***
Other attributes	0.889 (0.100)	0.712 (0.094)***	0.612 (0.204)**
N claims	0.809 (0.208)***	0.918 (0.210)***	0.895 (0.013)**
Price in US Dollars	0.972 (0.257)***	0.974 (0.129)***	0.976 (0.015)**
1998	0.411 (0.362)**	0.367 (0.195)***	1.573 (0.362)
1999	0.128 (0.743)***	0.488 (0.235)***	0.686 (0.760)
2000	0.029 (2.975)	1.114 (0.365)	1.987 (0.834)
2001	0.719 (0.208)	0.777 (0.086)***	0.251 (0.464)***
2002	0.887 (0.210)	1.349 (0.085)***	0.541 (0.369)*
2003	0.871 (0.199)	1.350 (0.076)***	0.316 (0.418)***
2004	0.676 (0.280)	2.504 (0.108)***	0.546 (0.541)
2005	0.868 (0.233)	0.848 (0.115)	0.885 (0.373)
2006	0.797 (0.189)	1.838 (0.060)***	0.539 (0.281)**
2007	0.789 (0.169)	0.836 (0.049)***	0.169 (0.309)***
2008	1.355 (0.171)*	1.033 (0.058)	0.273 (0.328)***
2009	1.055 (0.164)	0.691 (0.048)***	0.211 (0.250)***
2010	1.600 (0.163)***	0.743 (0.049)***	0.221 (0.259)***
2011	1.855 (0.165)***	0.742 (0.056)***	1.010 (0.169)
2012	2.870 (0.163)***	1.146 (0.054)**	1.649 (0.147)***
2013	2.210 (0.162)***	1.074 (0.049)	2.585 (0.119)***
2014	2.202 (0.162)***	1.161 (0.047)***	3.715 (0.110)***
2015	2.626 (0.160)***	1.189 (0.044)***	3.246 (0.107)***
2016	2.664 (0.161)***	1.133 (0.047)***	4.154 (0.107)***
2017	2.147 (0.164)***	1.344 (0.050)***	5.497 (0.108)***

Note: values in parathesis are standard errors; \*p<0.1; \*\*p<0.05; \*\*\*p<0.01 represent significance levels associated with the coefficient estimates.

#### **Figures:**

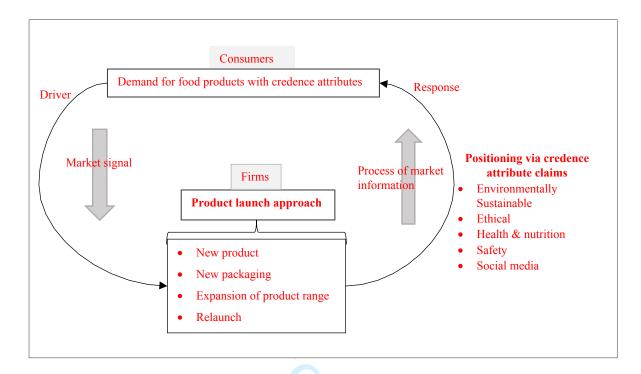
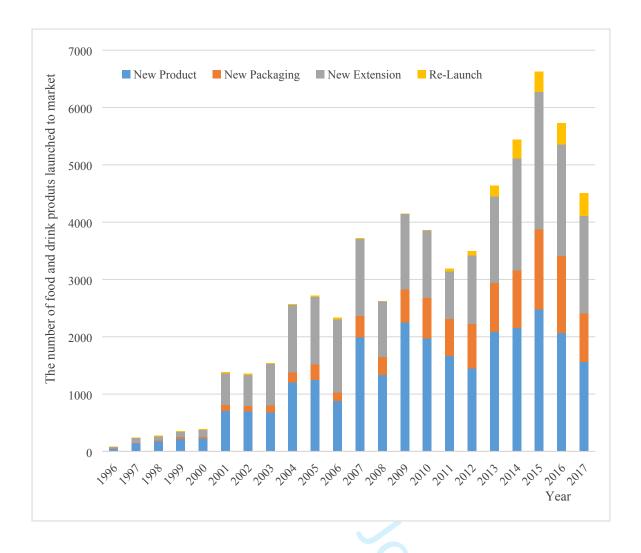


Figure I

Conceptual framework: the relationship between product launch and positioning in response to market demand for food products with credence attributes



**Figure II**The number of new launches by launch approaches between 1996 and 2017.

2017.

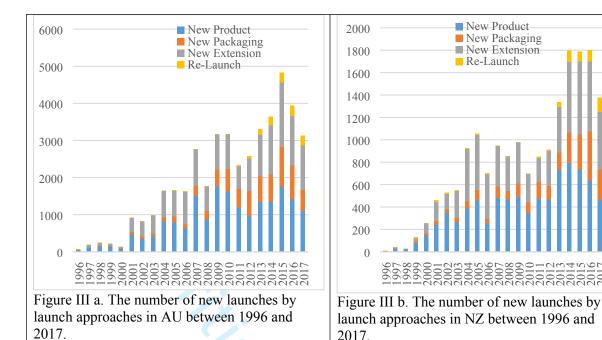


Figure III Annual percentage change in product launches of the AU and NZ markets.

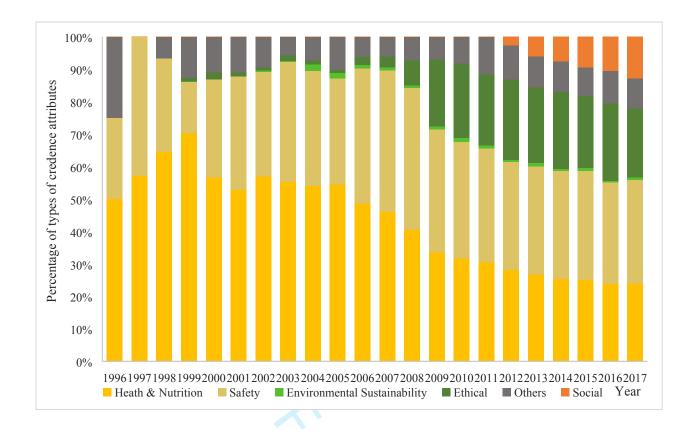


Figure IV

The number of new launches by launch approaches between 1996 and 2017.

## Appendix Table 1.

The number of products with and without types of attributes between 1996 and 2017

The num	Heath & Environmental Social											
Year	No claim	Convenience	Demographic	Nutrition	Safety	Sustainability	Economy	Ethical	Beauty	Others	media	Total
1996	58	0	5	6	3	0	0	0	0	3	0	17
1997	55	0	13	16	12	0	0	0	0	0	0	41
1998	30	0	14	29	13	0	0	0	0	3	0	59
1999	183	12	30	66	15	0	0	1	3	12	0	139
2000	183	11	82	82	44	0	1	3	1	16	0	240
2001	463	131	317	380	252	0	1	9	4	79	0	1173
2002	481	100	260	530	300	3	2	9	4	88	0	1296
2003	570	123	284	596	399	3	1	17	5	63	0	1491
2004	1126	228	431	847	553	33	6	18	21	115	0	2252
2005	1265	138	398	860	516	27	9	14	8	161	0	2131
2006	307	210	405	797	682	17	28	40	6	103	0	2288
2007	352	502	842	1236	1172	23	64	91	42	164	0	4136
2008	297	381	632	921	994	18	119	175	28	165	0	3433
2009	1216	740	996	1347	1526	32	227	827	53	284	0	6032
2010	765	782	1102	1490	1684	52	141	1078	98	386	0	6813
2011	645	591	825	1175	1363	35	204	846	51	448	0	5538
2012	532	800	991	1394	1653	30	165	1228	92	520	132	7005
2013	619	1068	1460	1991	2485	69	107	1729	134	720	448	10211
2014	595	1400	1666	2294	2988	67	87	2127	152	847	688	12316
2015	680	1687	1973	2871	3814	115	134	2513	220	1014	1074	15415
2016	600	1324	1790	2412	3134	54	86	2400	137	1013	1055	13405
2017	256	1050	1344	1975	2625	67	121	1743	106	761	1065	10857

**Appendix Table 2**Estimated RRRs of the multinomial regression model of the AU market – full results

Convenience	Variabla	New Poolsosing	New Extension	Relaunch
Convenience         1.275 (0.043)***         1.213 (0.032)***         1.239 (0.072)***           Demographic         0.860 (0.045)***         0.827 (0.032)***         0.970 (0.078)           Environmentally Sustainable         1.402 (0.645)         1.271 (0.437)         1.434 (0.755)           Safety         0.803 (0.036)****         0.941 (0.025)**         0.791 (0.064)***           Health and nutrition         0.988 (0.002)**         0.984 (0.001)**         0.992 (0.401)           Social media         0.861 (0.206)         0.860 (0.157)         0.833 (0.371)           Beauty         1.486 (0.163)**         0.964 (0.14)         1.505 (0.259)           Other attributes         0.979 (0.151)         0.875 (0.126)         1.372 (0.247)           Nclaims         0.926 (0.308)***         0.941 (0.123)***         0.993 (0.016)**           Price in US Dollars         0.966 (0.317)****         0.964 (0.132)***         0.963 (0.017)**           1999         0.797 (1.059)         0.357 (0.753)         6.964 (0.798)**           2000         0.003 (5.138)         0.579 (0.208)****         0.966 (0.379)           2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)****           2002         0.375 (0.354)****         0.498 (0.114)***         0.806 (0.379)	Variable (Intercept)	New Packaging	New Extension	
Demographic         0.860 (0.045)***         0.827 (0.032)***         0.970 (0.078)           Environmentally Sustainable         0.331 (0.532)         0.602 (0.789)         0.400 (0.558)           Ethical         1.402 (0.645)         1.271 (0.437)         1.434 (0.755)           Safety         0.803 (0.036)***         0.941 (0.025)**         0.791 (0.064)***           Health and nutrition         0.988 (0.002)**         0.984 (0.001)**         0.992 (0.401)           Social media         0.861 (0.206)         0.860 (0.157)         0.833 (0.371)           Beauty         1.486 (0.163)**         0.964 (0.14)         1.505 (0.259)           Other attributes         0.979 (0.151)         0.875 (0.126)         1.372 (0.247)           N claims         0.926 (0.308)****         0.964 (0.132)***         0.963 (0.017)**           1999         0.797 (1.059)         0.357 (0.753)         6.964 (0.798)***         0.966 (2.441)           2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)***           2002         0.375 (0.354)***         0.948 (0.14)***         0.966 (0.379)           2003         0.881 (0.326)         1.013 (0.166)         0.379 (0.663)           2004         0.765 (0.32)         1.766 (0.085)***         0.237 (0.633)**	<u> </u>		`	
Environmentally Sustainable         0.331 (0.532)         0.602 (0.789)         0.400 (0.558)           Ethical         1.402 (0.645)         1.271 (0.437)         1.434 (0.755)           Safety         0.803 (0.036)***         0.941 (0.025)**         0.791 (0.064)***           Health and nutrition         0.988 (0.002)**         0.984 (0.001)**         0.992 (0.401)           Social media         0.861 (0.206)         0.860 (0.157)         0.833 (0.371)           Beauty         1.486 (0.163)**         0.964 (0.14)         1.505 (0.259)           Other attributes         0.979 (0.151)         0.875 (0.126)         1.372 (0.247)           N claims         0.926 (0.308)***         0.941 (0.123)***         0.930 (0.016)**           Price in US Dollars         0.966 (0.317)***         0.964 (0.132)***         0.963 (0.017)**           1999         0.797 (1.059)         0.357 (0.753)         6.964 (0.798)**           2000         0.003 (5.138)         0.579 (0.208)***         0.966 (0.379)           2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)***           2002         0.375 (0.354)****         0.498 (0.114)***         0.806 (0.379)           2003         0.881 (0.326)         1.013 (0.106)         0.379 (0.605)           2004				. ,
Ethical 1.402 (0.645) 1.271 (0.437) 1.434 (0.755) Safety 0.803 (0.036)*** 0.941 (0.025)** 0.791 (0.064)*** Health and nutrition 0.988 (0.002)** 0.984 (0.001)** 0.992 (0.401) Social media 0.861 (0.206) 0.860 (0.157) 0.833 (0.371) Beauty 1.486 (0.163)** 0.964 (0.14) 1.505 (0.259) Other attributes 0.979 (0.151) 0.875 (0.126) 1.372 (0.247) N claims 0.926 (0.308)*** 0.941 (0.123)*** 0.939 (0.016)** Price in US Dollars 0.966 (0.317)*** 0.964 (0.132)*** 0.939 (0.016)** Price in US Dollars 0.966 (0.317)*** 0.964 (0.132)*** 0.939 (0.016)** 2000 0.003 (5.138) 0.579 (0.208)*** 0.964 (0.798)** 2000 0.003 (5.138) 0.579 (0.208)*** 0.966 (2.441) 2001 0.612 (0.357) 0.847 (0.122) 2.320 (0.315)*** 2002 0.375 (0.354)*** 0.498 (0.114)*** 0.806 (0.379) 2003 0.881 (0.326) 1.013 (0.106) 0.379 (0.605) 2004 0.765 (0.32) 1.766 (0.085)*** 0.237 (0.633)** 2005 1.091 (0.304) 1.487 (0.082)*** 0.237 (0.633)** 2006 0.984 (0.325) 2.267 (0.093)*** 1.503 (0.344) 2007 1.309 (0.298) 1.083 (0.083) 0.258 (0.538)** 2008 0.947 (0.303) 0.954 (0.084) 0.124 (0.737)*** 2010 1.613 (0.299) 0.963 (0.092) 0.215 (0.627)** 2011 1.822 (0.292)** 0.601 (0.092)** 0.695 (0.335) 2012 1.481 (0.299) 0.735 (0.076)** 1.723 (0.228)** 2014 1.892 (0.286)** 1.030 (0.070) 3.775 (0.201)*** 2015 2.545 (0.286)** 1.224 (0.070)*** 4.556 (0.23)** 2016 3.817 (0.285)*** 1.224 (0.070)*** 4.556 (0.23)** 2017 3.303 (0.288)*** 1.489 (0.077)*** 8.220 (0.197)*** 2016 3.817 (0.285)*** 1.224 (0.070)*** 4.556 (0.23)*** 2017 3.303 (0.288)*** 1.489 (0.077)*** 8.220 (0.197)*** 2016 3.817 (0.285)*** 1.224 (0.070)*** 4.556 (0.23)*** 2017 3.303 (0.288)*** 1.489 (0.077)** 5.048 (0.50)*** 2018 2.545 (0.266)** 1.390 (0.070) 3.775 (0.201)*** 2019 3.817 (0.243)*** 2.458 (0.197)** 5.048 (0.50)*** 2016 3.817 (0.243)*** 1.862 (0.134)*** 5.048 (0.50)*** 2017 3.303 (0.288)*** 1.489 (0.077)** 5.048 (0.50)*** 2018 2.545 (0.266)** 1.489 (0.070)** 5.048 (0.070)** 5.048 (0.070)** 2019 3.004 (0.006) 3.006 (0.006) 3.006 (0.006) 3.006 (0.006) 3.006 (0.006) 3.006 (0.006) 3.006 (0.006) 3.006 (0.006) 3.006 (0.006) 3.00	<del>-</del> -		` /	` /
Safety         0.803 (0.036)***         0.941 (0.025)**         0.791 (0.064)****           Health and nutrition         0.988 (0.002)**         0.984 (0.001)**         0.992 (0.401)           Social media         0.861 (0.206)         0.860 (0.157)         0.833 (0.371)           Beauty         1.486 (0.163)**         0.964 (0.14)         1.505 (0.259)           Other attributes         0.979 (0.151)         0.875 (0.126)         1.372 (0.247)           N claims         0.926 (0.308)****         0.941 (0.123)***         0.939 (0.016)**           Price in US Dollars         0.966 (0.317)***         0.964 (0.132)***         0.963 (0.017)**           1999         0.797 (1.059)         0.357 (0.753)         6.964 (0.798)**           2000         0.003 (5.138)         0.579 (0.208)****         0.066 (2.441)           2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)***           2002         0.375 (0.354)****         0.498 (0.114)***         0.806 (0.379)           2003         0.881 (0.326)         1.013 (0.106)         0.379 (0.605)           2004         0.765 (0.32)         1.766 (0.085)***         0.237 (0.633)***           2005         1.091 (0.304)         1.487 (0.082)***         0.478 (0.438)*           2006         0.984 (0.3	•	,	` /	,
Health and nutrition         0.988 (0.002)**         0.984 (0.001)**         0.992 (0.401)           Social media         0.861 (0.206)         0.860 (0.157)         0.833 (0.371)           Beauty         1.486 (0.163)**         0.964 (0.14)         1.505 (0.259)           Other attributes         0.979 (0.151)         0.875 (0.126)         1.372 (0.247)           N claims         0.926 (0.308)***         0.941 (0.123)***         0.939 (0.016)**           Price in US Dollars         0.966 (0.317)***         0.964 (0.132)***         0.963 (0.017)**           1999         0.797 (1.059)         0.357 (0.753)         6.964 (0.798)**           2000         0.003 (5.138)         0.579 (0.208)***         0.066 (2.441)           2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)***           2002         0.375 (0.354)***         0.498 (0.114)***         0.806 (0.379)           2003         0.881 (0.326)         1.013 (0.106)         0.379 (0.605)           2004         0.765 (0.32)         1.766 (0.085)***         0.237 (0.633)**           2005         1.091 (0.304)         1.487 (0.828)***         0.478 (0.438)*           2006         0.984 (0.325)         2.267 (0.093)***         1.503 (0.344)           2007         1.309 (0.298)			` /	` ,
Social media         0.861 (0.206)         0.860 (0.157)         0.833 (0.371)           Beauty         1.486 (0.163)**         0.904 (0.14)         1.505 (0.259)           Other attributes         0.979 (0.151)         0.875 (0.126)         1.372 (0.247)           N claims         0.926 (0.308)***         0.941 (0.123)***         0.963 (0.017)**           Price in US Dollars         0.966 (0.317)***         0.964 (0.132)***         0.963 (0.017)**           1999         0.797 (1.059)         0.357 (0.753)         6.964 (0.798)**           2000         0.003 (5.138)         0.579 (0.208)***         0.066 (2.441)           2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)***           2002         0.375 (0.354)***         0.498 (0.114)***         0.806 (0.379)           2003         0.881 (0.326)         1.013 (0.106)         0.379 (0.605)           2004         0.765 (0.32)         1.766 (0.085)***         0.237 (0.633)**           2005         1.091 (0.304)         1.487 (0.082)***         0.478 (0.438)*           2006         0.984 (0.325)         2.267 (0.093)***         1.503 (0.344)           2007         1.309 (0.298)         1.083 (0.083)         0.258 (0.538)***           2008         0.947 (0.303)         0.954 (0	•			
Beauty Other attributes         1.486 (0.163)**         0.964 (0.14)         1.505 (0.259)           N claims         0.926 (0.308)***         0.941 (0.123)***         0.939 (0.016)**           Price in US Dollars         0.966 (0.317)***         0.964 (0.132)***         0.963 (0.017)**           1999         0.797 (1.059)         0.357 (0.753)         0.964 (0.798)**           2000         0.003 (5.138)         0.579 (0.208)***         0.066 (2.441)           2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)***           2002         0.375 (0.354)***         0.498 (0.114)***         0.806 (0.379)           2003         0.881 (0.326)         1.013 (0.106)         0.379 (0.605)           2004         0.765 (0.32)         1.766 (0.085)***         0.237 (0.633)**           2005         1.091 (0.304)         1.487 (0.082)***         0.478 (0.438)*           2006         0.984 (0.325)         2.267 (0.093)***         1.503 (0.344)           2007         1.309 (0.298)         1.083 (0.083)         0.258 (0.538)**           2008         0.947 (0.303)         0.954 (0.084)         0.124 (0.73)***           2010         1.613 (0.299)         0.963 (0.092)         0.215 (0.627)**           2011         1.822 (0.292)**         0.601		,	,	
Other attributes         0.979 (0.151)         0.875 (0.126)         1.372 (0.247)           N claims         0.926 (0.308)***         0.941 (0.123)***         0.999 (0.016)**           Price in US Dollars         0.966 (0.317)***         0.964 (0.132)***         0.963 (0.017)**           1999         0.797 (1.059)         0.357 (0.753)         6.964 (0.798)**           2000         0.003 (5.138)         0.579 (0.208)***         0.066 (2.441)           2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)***           2002         0.375 (0.354)***         0.498 (0.114)***         0.806 (0.379)           2003         0.881 (0.326)         1.013 (0.106)         0.379 (0.605)           2004         0.765 (0.32)         1.766 (0.085)***         0.237 (0.633)**           2005         1.091 (0.304)         1.487 (0.082)***         0.478 (0.438)*           2006         0.984 (0.325)         2.267 (0.093)****         1.503 (0.344)           2007         1.309 (0.298)         1.083 (0.083)         0.258 (0.538)**           2008         0.947 (0.303)         0.954 (0.084)         0.124 (0.737)***           2010         1.613 (0.299)         0.963 (0.092)         0.215 (0.627)**           2011         1.822 (0.292)**         0.601 (0.092		` /	` /	. ,
N claims         0.926 (0.308)***         0.941 (0.123)***         0.939 (0.016)**           Price in US Dollars         0.966 (0.317)***         0.964 (0.132)***         0.963 (0.017)***           1999         0.797 (1.059)         0.357 (0.753)         6.964 (0.798)**           2000         0.003 (5.138)         0.579 (0.208)***         0.066 (2.441)           2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)***           2002         0.375 (0.354)***         0.498 (0.114)***         0.806 (0.379)           2003         0.881 (0.326)         1.013 (0.106)         0.379 (0.605)           2004         0.765 (0.32)         1.766 (0.085)***         0.237 (0.633)**           2005         1.091 (0.304)         1.487 (0.082)***         0.478 (0.438)*           2006         0.984 (0.325)         2.267 (0.993)***         1.503 (0.344)           2007         1.309 (0.298)         1.083 (0.083)         0.258 (0.538)**           2008         0.947 (0.303)         0.954 (0.084)         0.124 (0.737)***           2010         1.613 (0.299)         0.963 (0.092)         0.215 (0.627)**           2011         1.822 (0.292)**         0.601 (0.092)***         0.695 (0.335)           2012         1.481 (0.295)         0.903 (0.084)		` /	` /	
Price in US Dollars 1999 0.797 (1.059) 0.357 (0.753) 0.964 (0.132)*** 0.966 (0.317)*** 0.797 (1.059) 0.357 (0.753) 0.6964 (0.798)** 2000 0.003 (5.138) 0.579 (0.208)*** 2001 0.612 (0.357) 0.847 (0.122) 2.320 (0.315)*** 2002 0.375 (0.354)*** 0.498 (0.114)*** 0.806 (0.379) 2003 0.881 (0.326) 1.013 (0.106) 0.379 (0.605) 2004 0.765 (0.32) 1.766 (0.085)*** 2005 1.091 (0.304) 1.487 (0.082)*** 0.478 (0.438)* 2006 0.984 (0.325) 2.267 (0.093)*** 1.503 (0.344) 2007 1.309 (0.298) 1.083 (0.083) 0.954 (0.084) 2009 1.427 (0.294) 0.995 (0.08) 0.054 (1.015)*** 2010 1.613 (0.299) 0.963 (0.092) 0.215 (0.627)** 2011 1.822 (0.292)** 0.601 (0.092)*** 2012 1.481 (0.295) 0.903 (0.084) 0.802 (0.323) 2013 1.231 (0.290) 0.735 (0.076)*** 1.723 (0.228)** 2016 3.817 (0.286)*** 1.294 (0.070)*** 3.754 (0.204)*** 2016 3.817 (0.285)*** 1.294 (0.070)*** 3.754 (0.204)*** 2017 3.303 (0.288)*** 1.862 (0.134)*** 2.458 (0.197)*** 2.458 (0.197)*** 2.458 (0.197)** 2.458 (0.197)** 2.458 (0.193)** 2.458 (0.193)** 2.458 (0.193)** 2.594 (0.141)*** 2.159 (0.560) 2.341 (0.179)** 1.845 (0.141)*** 1.159 (0.560) 2.341 (0.179)** 1.841 (0.179)** 1.842 (0.142)** 2.558 (0.148)*** 2.558 (0.148)*** 2.5731 (0.512)*** 2.574 (0.209)** 2.574 (0.168)** 3.521 (0.529)** 2.574 (0.168)** 3.521 (0.535)*** 2.545 (0.286)** 3.521 (0.535)*** 3.522 (0.592)** 3.523 (0.515)*** 3.524 (0.535)*** 3.524 (0.535)*** 3.525 (0.555)** 3.527 (0.529)** 3.527 (0.529)** 3.528 (0.517)*** 3.529 (0.529)** 3.531 (0.512)*** 3.531 (0.512)*** 3.531 (0.512)*** 3.531 (0.572)** 3.532 (0.529)** 3.533 (0.572)** 3.534 (0.68)** 3.534 (0.672)* 3.535 (0.557)** 3.606 (0.32)* 3.606 (0.32)* 3.606 (0.323) 3.606 (0.323) 3.607 (0.070) 3.775 (0.201)*** 3.522 (0.592)** 3.533 (0.512)*** 3.534 (0.68)** 3.534 (0.68)** 3.531 (0.512)*** 3.531 (0.572)*** 3.532 (0.529)** 3.533 (0.210) 3.334 (0.210) 3.334 (0.210) 3.344 (0.142)*** 3.344 (0.142)*** 3.531 (0.512)*** 3.531 (0.512)*** 3.531 (0.512)*** 3.532 (0.529)** 3.533 (0.529)** 3.534 (0.68)** 3.531 (0.572)** 3.534 (0.68)** 3.636 (0.68)* 3.636 (0.68)* 3.636 (0.68)* 3.636 (0.68)*				
1999         0.797 (1.059)         0.357 (0.753)         6.964 (0.798)**           2000         0.003 (5.138)         0.579 (0.208)***         0.066 (2.441)           2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)***           2002         0.375 (0.354)***         0.498 (0.114)***         0.806 (0.379)           2003         0.881 (0.326)         1.013 (0.106)         0.379 (0.605)           2004         0.765 (0.32)         1.766 (0.085)***         0.237 (0.633)**           2005         1.091 (0.304)         1.487 (0.082)***         0.478 (0.438)*           2006         0.984 (0.325)         2.267 (0.093)***         1.503 (0.344)           2007         1.309 (0.298)         1.083 (0.083)         0.258 (0.538)**           2008         0.947 (0.303)         0.954 (0.084)         0.124 (0.737)***           2010         1.613 (0.299)         0.963 (0.092)         0.215 (0.627)**           2011         1.822 (0.292)**         0.601 (0.092)***         0.695 (0.335)           2012         1.481 (0.295)         0.903 (0.084)         0.802 (0.323)           2013         1.231 (0.290)         0.735 (0.076)***         1.723 (0.228)**           2014         1.892 (0.286)***         1.030 (0.070)         3.775 (0.201)*** </td <td></td> <td></td> <td></td> <td></td>				
2000         0.003 (5.138)         0.579 (0.208)***         0.066 (2.441)           2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)***           2002         0.375 (0.354)***         0.498 (0.114)***         0.806 (0.379)           2003         0.881 (0.326)         1.013 (0.106)         0.379 (0.605)           2004         0.765 (0.32)         1.766 (0.085)***         0.237 (0.633)**           2005         1.091 (0.304)         1.487 (0.082)***         0.478 (0.438)*           2006         0.984 (0.325)         2.267 (0.093)***         1.503 (0.344)           2007         1.309 (0.298)         1.083 (0.083)         0.258 (0.538)**           2008         0.947 (0.303)         0.954 (0.084)         0.124 (0.737)***           2010         1.613 (0.299)         0.995 (0.08)         0.054 (1.015)***           2011         1.822 (0.292)**         0.601 (0.092)***         0.695 (0.335)           2012         1.481 (0.295)         0.903 (0.084)         0.802 (0.323)           2013         1.231 (0.290)         0.735 (0.076)***         1.723 (0.228)**           2014         1.892 (0.286)***         1.204 (0.073)***         1.723 (0.228)**           2015         2.545 (0.286)****         1.294 (0.073)***         4.556 (0		` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `		
2001         0.612 (0.357)         0.847 (0.122)         2.320 (0.315)***           2002         0.375 (0.354)***         0.498 (0.114)***         0.806 (0.379)           2003         0.881 (0.326)         1.013 (0.106)         0.379 (0.605)           2004         0.765 (0.32)         1.766 (0.085)***         0.237 (0.633)**           2005         1.091 (0.304)         1.487 (0.082)***         0.478 (0.438)*           2006         0.984 (0.325)         2.267 (0.093)***         1.503 (0.344)           2007         1.309 (0.298)         1.083 (0.083)         0.258 (0.538)**           2008         0.947 (0.303)         0.954 (0.084)         0.124 (0.737)***           2009         1.427 (0.294)         0.995 (0.08)         0.054 (1.015)***           2010         1.613 (0.299)         0.963 (0.092)         0.215 (0.627)**           2011         1.822 (0.292)**         0.601 (0.092)***         0.695 (0.335)           2012         1.481 (0.295)         0.903 (0.084)         0.802 (0.323)           2013         1.231 (0.290)         0.735 (0.076)***         1.723 (0.228)**           2014         1.892 (0.286)***         1.294 (0.073)***         4.556 (0.203)***           2015         2.545 (0.286)***         1.294 (0.073)***         4.566 (0.			` /	
2002         0.375 (0.354)***         0.498 (0.114)***         0.806 (0.379)           2003         0.881 (0.326)         1.013 (0.106)         0.379 (0.605)           2004         0.765 (0.32)         1.766 (0.085)***         0.237 (0.633)**           2005         1.091 (0.304)         1.487 (0.082)***         0.478 (0.438)*           2006         0.984 (0.325)         2.267 (0.093)***         1.503 (0.344)           2007         1.309 (0.298)         1.083 (0.083)         0.258 (0.538)**           2008         0.947 (0.303)         0.954 (0.084)         0.124 (0.737)***           2010         1.613 (0.299)         0.963 (0.092)         0.215 (0.627)**           2011         1.822 (0.292)**         0.601 (0.092)***         0.695 (0.335)           2012         1.481 (0.295)         0.903 (0.084)         0.802 (0.323)           2013         1.231 (0.290)         0.735 (0.076)***         1.723 (0.228)**           2014         1.892 (0.286)***         1.030 (0.070)         3.775 (0.201)***           2015         2.545 (0.286)***         1.224 (0.070)***         4.556 (0.203)***           2017         3.303 (0.288)***         1.294 (0.073)***         4.556 (0.203)***           Bakery         0.800 (0.173)         1.862 (0.134)***			` /	
2003       0.881 (0.326)       1.013 (0.106)       0.379 (0.605)         2004       0.765 (0.32)       1.766 (0.085)***       0.237 (0.633)**         2005       1.091 (0.304)       1.487 (0.082)***       0.478 (0.438)*         2006       0.984 (0.325)       2.267 (0.093)***       1.503 (0.344)         2007       1.309 (0.298)       1.083 (0.083)       0.258 (0.538)**         2008       0.947 (0.303)       0.954 (0.084)       0.124 (0.737)***         2009       1.427 (0.294)       0.995 (0.08)       0.054 (1.015)***         2010       1.613 (0.299)       0.963 (0.092)       0.215 (0.627)**         2011       1.822 (0.292)**       0.601 (0.092)***       0.695 (0.335)         2012       1.481 (0.295)       0.903 (0.084)       0.802 (0.323)         2013       1.231 (0.290)       0.735 (0.076)***       1.723 (0.228)**         2014       1.892 (0.286)***       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       4.556 (0.203)***         2017       3.303 (0.288)****       1.489 (0.077)***       8.220 (0.197)***         Baby Food       2.341 (0.243)***       2.458 (0.197)***       7.320 (0.584)***         Breakfast Cereals       1.440 (0.179)*			` /	
2004       0.765 (0.32)       1.766 (0.085)***       0.237 (0.633)**         2005       1.091 (0.304)       1.487 (0.082)***       0.478 (0.438)*         2006       0.984 (0.325)       2.267 (0.093)***       1.503 (0.344)         2007       1.309 (0.298)       1.083 (0.083)       0.258 (0.538)**         2008       0.947 (0.303)       0.954 (0.084)       0.124 (0.737)***         2009       1.427 (0.294)       0.995 (0.08)       0.054 (1.015)***         2010       1.613 (0.299)       0.963 (0.092)       0.215 (0.627)**         2011       1.822 (0.292)**       0.601 (0.092)***       0.695 (0.335)         2012       1.481 (0.295)       0.903 (0.084)       0.802 (0.323)         2013       1.231 (0.290)       0.735 (0.076)***       1.723 (0.228)**         2014       1.892 (0.286)***       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       3.754 (0.204)***         2017       3.303 (0.288)****       1.489 (0.077)***       8.220 (0.197)***         2017       3.303 (0.288)****       1.489 (0.077)***       8.220 (0.197)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*				. ,
2005       1.091 (0.304)       1.487 (0.082)***       0.478 (0.438)*         2006       0.984 (0.325)       2.267 (0.093)***       1.503 (0.344)         2007       1.309 (0.298)       1.083 (0.083)       0.258 (0.538)**         2008       0.947 (0.303)       0.954 (0.084)       0.124 (0.737)****         2009       1.427 (0.294)       0.995 (0.08)       0.054 (1.015)***         2010       1.613 (0.299)       0.963 (0.092)       0.215 (0.627)**         2011       1.822 (0.292)**       0.601 (0.092)***       0.695 (0.335)         2012       1.481 (0.295)       0.903 (0.084)       0.802 (0.323)         2013       1.231 (0.290)       0.735 (0.076)***       1.723 (0.228)**         2014       1.892 (0.286)**       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       4.556 (0.203)***         2017       3.303 (0.288)***       1.489 (0.077)***       8.220 (0.197)***         2017       3.303 (0.288)***       1.489 (0.077)***       8.220 (0.197)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Chocolate Confectionery <td< td=""><td></td><td></td><td>` /</td><td>` ,</td></td<>			` /	` ,
2006       0.984 (0.325)       2.267 (0.093)***       1.503 (0.344)         2007       1.309 (0.298)       1.083 (0.083)       0.258 (0.538)**         2008       0.947 (0.303)       0.954 (0.084)       0.124 (0.737)***         2009       1.427 (0.294)       0.995 (0.08)       0.054 (1.015)***         2010       1.613 (0.299)       0.963 (0.092)       0.215 (0.627)**         2011       1.822 (0.292)**       0.601 (0.092)***       0.695 (0.335)         2012       1.481 (0.295)       0.903 (0.084)       0.802 (0.323)         2013       1.231 (0.290)       0.735 (0.076)***       1.723 (0.228)**         2014       1.892 (0.286)**       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       3.754 (0.204)***         2016       3.817 (0.285)***       1.294 (0.073)***       4.556 (0.203)***         2017       3.303 (0.288)***       1.489 (0.077)***       8.220 (0.197)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy				
2007       1.309 (0.298)       1.083 (0.083)       0.258 (0.538)**         2008       0.947 (0.303)       0.954 (0.084)       0.124 (0.737)***         2009       1.427 (0.294)       0.995 (0.08)       0.054 (1.015)***         2010       1.613 (0.299)       0.963 (0.092)       0.215 (0.627)**         2011       1.822 (0.292)**       0.601 (0.092)***       0.695 (0.335)         2012       1.481 (0.295)       0.903 (0.084)       0.802 (0.323)         2013       1.231 (0.290)       0.735 (0.076)***       1.723 (0.228)**         2014       1.892 (0.286)**       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       3.754 (0.204)***         2016       3.817 (0.285)***       1.294 (0.073)***       4.556 (0.203)***         2017       3.303 (0.288)***       1.489 (0.077)***       8.220 (0.197)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy				
2008       0.947 (0.303)       0.954 (0.084)       0.124 (0.737)***         2009       1.427 (0.294)       0.995 (0.08)       0.054 (1.015)***         2010       1.613 (0.299)       0.963 (0.092)       0.215 (0.627)**         2011       1.822 (0.292)**       0.601 (0.092)***       0.695 (0.335)         2012       1.481 (0.295)       0.903 (0.084)       0.802 (0.323)         2013       1.231 (0.290)       0.735 (0.076)***       1.723 (0.228)**         2014       1.892 (0.286)**       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       3.754 (0.204)***         2016       3.817 (0.285)***       1.294 (0.073)***       4.556 (0.203)***         2017       3.303 (0.288)***       1.489 (0.077)***       8.220 (0.197)***         Baby Food       2.341 (0.243)***       2.458 (0.197)***       7.320 (0.584)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560) <t< td=""><td></td><td></td><td></td><td></td></t<>				
2009       1.427 (0.294)       0.995 (0.08)       0.054 (1.015)***         2010       1.613 (0.299)       0.963 (0.092)       0.215 (0.627)**         2011       1.822 (0.292)**       0.601 (0.092)***       0.695 (0.335)         2012       1.481 (0.295)       0.903 (0.084)       0.802 (0.323)         2013       1.231 (0.290)       0.735 (0.076)***       1.723 (0.228)**         2014       1.892 (0.286)**       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       3.754 (0.204)***         2016       3.817 (0.285)****       1.294 (0.073)***       4.556 (0.203)***         2017       3.303 (0.288)****       1.489 (0.077)***       8.220 (0.197)***         Baby Food       2.341 (0.243)****       2.458 (0.197)***       7.320 (0.584)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)*** <td></td> <td>, ,</td> <td>` '</td> <td>. ,</td>		, ,	` '	. ,
2010       1.613 (0.299)       0.963 (0.092)       0.215 (0.627)**         2011       1.822 (0.292)**       0.601 (0.092)***       0.695 (0.335)         2012       1.481 (0.295)       0.903 (0.084)       0.802 (0.323)         2013       1.231 (0.290)       0.735 (0.076)***       1.723 (0.228)**         2014       1.892 (0.286)**       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       3.754 (0.204)***         2016       3.817 (0.285)***       1.294 (0.073)***       4.556 (0.203)***         2017       3.303 (0.288)****       1.489 (0.077)***       8.220 (0.197)***         Baby Food       2.341 (0.243)****       2.458 (0.197)***       7.320 (0.584)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.541 (0.179)**       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       5.731 (0.512)***         Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)*       3.531 (0.5		` /	` ,	` ,
2011       1.822 (0.292)**       0.601 (0.092)***       0.695 (0.335)         2012       1.481 (0.295)       0.903 (0.084)       0.802 (0.323)         2013       1.231 (0.290)       0.735 (0.076)***       1.723 (0.228)**         2014       1.892 (0.286)**       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       3.754 (0.204)***         2016       3.817 (0.285)***       1.294 (0.073)***       4.556 (0.203)***         2017       3.303 (0.288)***       1.489 (0.077)***       8.220 (0.197)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)***         Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.26				
2012       1.481 (0.295)       0.903 (0.084)       0.802 (0.323)         2013       1.231 (0.290)       0.735 (0.076)***       1.723 (0.228)**         2014       1.892 (0.286)**       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       3.754 (0.204)***         2016       3.817 (0.285)***       1.294 (0.073)***       4.556 (0.203)***         2017       3.303 (0.288)***       1.489 (0.077)***       8.220 (0.197)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)***         Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)*				
2013       1.231 (0.290)       0.735 (0.076)***       1.723 (0.228)**         2014       1.892 (0.286)**       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       3.754 (0.204)***         2016       3.817 (0.285)***       1.294 (0.073)***       4.556 (0.203)***         2017       3.303 (0.288)***       1.489 (0.077)***       8.220 (0.197)***         Baby Food       2.341 (0.243)***       2.458 (0.197)***       7.320 (0.584)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)***         Desserts & Ice Cream       0.843 (0.192)       2.021 (0.142)***       5.731 (0.512)***         Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210) <td< td=""><td></td><td></td><td></td><td></td></td<>				
2014       1.892 (0.286)**       1.030 (0.070)       3.775 (0.201)***         2015       2.545 (0.286)***       1.224 (0.070)***       3.754 (0.204)***         2016       3.817 (0.285)***       1.294 (0.073)***       4.556 (0.203)***         2017       3.303 (0.288)***       1.489 (0.077)***       8.220 (0.197)***         Baby Food       2.341 (0.243)***       2.458 (0.197)***       7.320 (0.584)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)***         Puit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*				
2015       2.545 (0.286)***       1.224 (0.070)***       3.754 (0.204)***         2016       3.817 (0.285)***       1.294 (0.073)***       4.556 (0.203)***         2017       3.303 (0.288)***       1.489 (0.077)***       8.220 (0.197)***         Baby Food       2.341 (0.243)***       2.458 (0.197)***       7.320 (0.584)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)***         Puit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*				
2016       3.817 (0.285)*** 1.294 (0.073)*** 4.556 (0.203)***         2017       3.303 (0.288)*** 1.489 (0.077)*** 8.220 (0.197)***         Baby Food       2.341 (0.243)*** 2.458 (0.197)*** 7.320 (0.584)***         Bakery       0.800 (0.173) 1.862 (0.134)*** 5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)* 2.020 (0.155)*** 4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)*** 1.498 (0.193)** 3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175) 1.845 (0.141)*** 1.159 (0.560)         Dairy       1.541 (0.179)** 1.838 (0.143)*** 4.563 (0.517)***         Desserts & Ice Cream       0.843 (0.192) 2.021 (0.142)*** 5.731 (0.512)***         Fruit & Vegetables       1.544 (0.209)** 1.819 (0.168)** 3.531 (0.572)***         Hot Beverages       1.510 (0.188)** 2.558 (0.148)*** 4.265 (0.529)***         Juice Drinks       1.308 (0.210) 1.374 (0.168)* 3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)*** 1.310 (0.149)*** 3.076 (0.527)*				
2017       3.303 (0.288)***       1.489 (0.077)***       8.220 (0.197)***         Baby Food       2.341 (0.243)***       2.458 (0.197)***       7.320 (0.584)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)***         Desserts & Ice Cream       0.843 (0.192)       2.021 (0.142)***       5.731 (0.512)***         Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*				
Baby Food       2.341 (0.243)***       2.458 (0.197)***       7.320 (0.584)***         Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)***         Desserts & Ice Cream       0.843 (0.192)       2.021 (0.142)***       5.731 (0.512)***         Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*				
Bakery       0.800 (0.173)       1.862 (0.134)***       5.048 (0.500)***         Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)***         Desserts & Ice Cream       0.843 (0.192)       2.021 (0.142)***       5.731 (0.512)***         Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*		` /		
Breakfast Cereals       1.440 (0.197)*       2.020 (0.155)***       4.512 (0.535)***         Carbonated Soft Drinks       2.238 (0.216)***       1.498 (0.193)**       3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)***         Desserts & Ice Cream       0.843 (0.192)       2.021 (0.142)***       5.731 (0.512)***         Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*	•			
Carbonated Soft Drinks       2.238 (0.216)*** 1.498 (0.193)** 3.522 (0.592)**         Chocolate Confectionery       1.293 (0.175) 1.845 (0.141)*** 1.159 (0.560)         Dairy       1.541 (0.179)** 1.838 (0.143)*** 4.563 (0.517)***         Desserts & Ice Cream       0.843 (0.192) 2.021 (0.142)*** 5.731 (0.512)***         Fruit & Vegetables       1.544 (0.209)** 1.819 (0.168)** 3.531 (0.572)***         Hot Beverages       1.510 (0.188)** 2.558 (0.148)*** 4.265 (0.529)***         Juice Drinks       1.308 (0.210) 1.374 (0.168)* 3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)*** 1.310 (0.149)*** 3.076 (0.527)*	•		` /	
Chocolate Confectionery       1.293 (0.175)       1.845 (0.141)***       1.159 (0.560)         Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)***         Desserts & Ice Cream       0.843 (0.192)       2.021 (0.142)***       5.731 (0.512)***         Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*				
Dairy       1.541 (0.179)**       1.838 (0.143)***       4.563 (0.517)***         Desserts & Ice Cream       0.843 (0.192)       2.021 (0.142)***       5.731 (0.512)***         Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*				
Desserts & Ice Cream       0.843 (0.192)       2.021 (0.142)***       5.731 (0.512)***         Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*		` /		
Fruit & Vegetables       1.544 (0.209)**       1.819 (0.168)**       3.531 (0.572)***         Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*	5	` /	` /	
Hot Beverages       1.510 (0.188)**       2.558 (0.148)***       4.265 (0.529)***         Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*				
Juice Drinks       1.308 (0.210)       1.374 (0.168)*       3.835 (0.557)**         Meal & Meal Centres       0.389 (0.214)***       1.310 (0.149)***       3.076 (0.527)*	<u> </u>			
Meal & Meal Centres 0.389 (0.214)*** 1.310 (0.149)*** 3.076 (0.527)*	=	` /		
		` /	` /	. ,
Other Beverages $1.044 (0.228)$ $1.489 (0.178)^{**}$ $4.258 (0.560)^{***}$			` /	
	Other Beverages	1.044 (0.228)	1.489 (0.17/8)**	4.258 (0.560)***

Processed Fish, Meat & Egg Products	1.293 (0.183)*	2.550 (0.143)***	4.564 (0.517)***
RTDs	1.133 (0.343)	0.565 (0.356)	4.767 (0.697)**
Sauces & Seasonings	0.931 (0.174)	1.502 (0.136)***	2.339 (0.518)***
Savoury Spreads	0.832 (0.284)	1.323 (0.198)	1.207 (0.884)
Side Dishes	0.721 (0.217)	1.428 (0.158)**	3.922 (0.543)**
Snacks	0.711 (0.178)*	1.248 (0.138)	2.417 (0.516)*
Soup	0.805 (0.274)	2.345 (0.180)***	5.699 (0.587)***
Sports & Energy Drinks	1.425 (0.262)*	1.177 (0.225)	2.108 (0.713)
Sugar & Gum Confectionery	1.222 (0.191)	1.653 (0.150)***	1.890 (0.571)***
Sweet Spreads	1.529 (0.227)*	1.374 (0.189)*	6.599 (0.560)***
Sweeteners & Sugar	1.743 (0.338)*	1.157 (0.303)	5.002 (0.780)**
Water	0.906 (0.285)	0.955 (0.233)	2.878 (0.653)

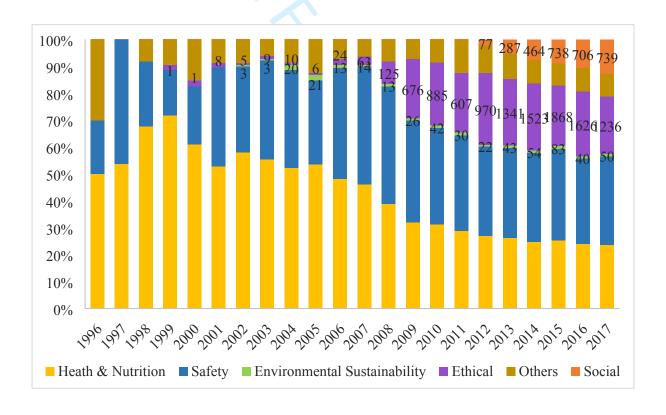
Note: valuese in parathesis are standard errors; \*p<0.1; \*\*p<0.05; \*\*\*p<0.01 represent significance levels associated with the coefficient estimates.

**Appendix Table 3**Estimated RRRs of the multinomial regression model of the NZ market – full results

<del></del>			
Variable	New Packaging	New Extension	Relaunch
(Intercept)	0.274 (0.175)***	0.939 (0.076)	0.061 (0.205)***
Convenience	1.093 (0.029)***	1.059 (0.023)**	1.061 (0.051)
Demographic	0.977 (0.025)	0.938 (0.020)***	0.916 (0.048)*
Environmentally	0.567 (0.146)***	0.649 (0.116)***	0.532 (0.283)**
Sustainable			
Ethical	1.565 (0.027)***	1.381 (0.024)***	1.508 (0.045)***
Safety	0.835 (0.021)***	0.939 (0.016)***	0.914 (0.0638)**
Health and nutrition	0.972 (0.002)**	0.941 (0.001)**	0.982 (0.04)*
Social media	0.645 (0.355)	0.92 (0.245)	0.876 (0.509)
Beauty	0.784 (0.107)**	0.920 (0.089)	1.549 (0.155)***
Other attributes	0.889 (0.100)	0.712 (0.094)***	0.612 (0.204)**
N claims	0.809 (0.208)***	0.918 (0.210)***	0.895 (0.013)**
Price in US Dollars	0.972 (0.257)***	0.974 (0.129)***	0.976 (0.015)**
1998	0.411 (0.362)**	0.367 (0.195)***	1.573 (0.362)
1999	0.128 (0.743)***	0.488 (0.235)***	0.686 (0.760)
2000	0.029 (2.975)	1.114 (0.365)	1.987 (0.834)
2001	0.719 (0.208)	0.777 (0.086)***	0.251 (0.464)***
2002	0.887 (0.210)	1.349 (0.085)***	0.541 (0.369)*
2003	0.871 (0.199)	1.350 (0.076)***	0.316 (0.418)***
2004	0.676 (0.280)	2.504 (0.108)***	0.546 (0.541)
2005	0.868 (0.233)	0.848 (0.115)	0.885 (0.373)
2006	0.797 (0.189)	1.838 (0.060)***	0.539 (0.281)**
2007	0.789 (0.169)	0.836 (0.049)***	0.169 (0.309)***
2008	1.355 (0.171)*	1.033 (0.058)	0.273 (0.328)***
2009	1.055 (0.164)	0.691 (0.048)***	0.211 (0.250)***
2010	1.600 (0.163)***	0.743 (0.049)***	0.221 (0.259)***
2011	1.855 (0.165)***	0.742 (0.056)***	1.010 (0.169)
2012	2.870 (0.163)***	1.146 (0.054)**	1.649 (0.147)***
2013	2.210 (0.162)***	1.074 (0.049)	2.585 (0.119)***
2014	2.202 (0.162)***	1.161 (0.047)***	3.715 (0.110)***
2015	2.626 (0.160)***	1.189 (0.044)***	3.246 (0.107)***
2016	2.664 (0.161)***	1.133 (0.047)***	4.154 (0.107)***
2017	2.147 (0.164)***	1.344 (0.050)***	5.497 (0.108)***
Baby Food	0.951 (0.147)	1.150 (0.120)	1.353 (0.290)
Bakery	0.835 (0.091)**	1.166 (0.077)**	0.962 (0.201)
Breakfast Cereals	1.360 (0.120)**	1.115 (0.107)	1.868 (0.238)***
Carbonated Soft	2.577 (0.122)***	0.842 (0.128)	1.653 (0.257)*
Drinks	, ()	(***=*)	(0.207)
Chocolate	1.186 (0.092)*	1.174 (0.081)**	0.871 (0.215)
Confectionery	1.100 (0.0)2)	11171 (0.001)	0.071 (0.210)
Dairy	1.552 (0.095)***	1.193 (0.084)**	1.353 (0.212)
Desserts & Ice Cream	. ,	1.197 (0.086)***	1.150 (0.214)**
Fruit & Vegetables	0.911 (0.118)	1.221 (0.096)***	1.113 (0.246)**
Hot Beverages	0.838 (0.113)	1.387 (0.092)***	0.957 (0.237)
Juice Drinks	1.044 (0.114)	0.886 (0.099)	1.149 (0.236)
Meal & Meal Centres		0.854 (0.089)***	0.847 (0.222)*
1,10al & Ivious Collinos	0.100 (0.113)	0.00)	0.017 (0.222)

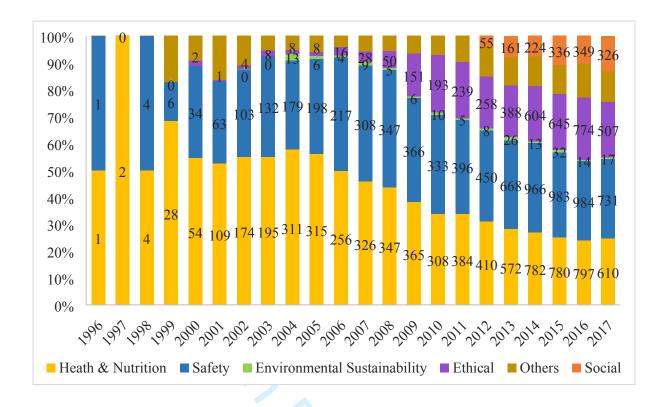
0.1 7	0.000 (0.404)	0.600.(0.406).tutut	1 160 (0 0 00)
Other Beverages	0.990 (0.134)	0.623 (0.126)***	1.460 (0.250)
Processed Fish, Meat	0.985 (0.096)	1.285 (0.082)***	1.138 (0.207)***
& Egg Products			
RTDs	1.305 (0.180)	0.614 (0.183)***	0.603 (0.410)
Sauces & Seasonings	0.686 (0.094)**	1.032 (0.079)***	0.594 (0.216)
Savoury Spreads	0.854 (0.148)	0.776 (0.125)**	0.938 (0.297)
Side Dishes	0.662 (0.120)***	1.239 (0.093)**	0.955 (0.243)
Snacks	0.786 (0.094)**	0.956 (0.080)	0.855 (0.206)
Soup	0.481 (0.170)***	1.113 (0.119)	1.092 (0.277)
Sports & Energy	1.227 (0.170)	0.628 (0.173)***	0.602 (0.446)***
Drinks			
Sugar & Gum	0.831 (0.101)**	0.716 (0.088)*	0.689 (0.232)***
Confectionery			
Sweet Spreads	0.699 (0.129)***	0.602 (0.113)***	0.702 (0.279)
Sweeteners & Sugar	1.262 (0.206)	0.669 (0.202)***	1.407 (0.386)**
Water	1.266 (0.145)	0.416 (0.157)***	1.056 (0.305)

Note: valuese in parathesis are standard errors; \*p<0.1; \*\*p<0.05; \*\*\*p<0.01 represent significance levels associated with the coefficient estimates.



#### **Appendix Figure I**

The number of new launches by launch approaches in the AU market between 1996 and 2017.



#### **Appendix Figure II**

The number of new launches by launch approaches in the NZ market between 1996 and 2017.

#### 1. Reviewer: 1

Recommendation: Major Revision

Comments:

Please the comments in the review

#### Additional Questions:

1. Originality: Does the paper contain new and significant information adequate to justify publication?: Yes, however there are certain areas that needs improvement as highlighted in the review

Thanks for your constructive suggestions. We have attempted to respond to every comment you provided and address your suggestions in the revised manuscript. All the revisions have been highlighted in red.

2. Relationship to Literature: Does the paper demonstrate an adequate understanding of the relevant literature in the field and cite an appropriate range of literature sources? Is any significant work ignored?: Yes however it can be improved with some more recent references and discussion

We have added more recent/new references with discussions in the manuscript. Please see newly added references in the introduction section (e.g., lines 4-11, 30-33) and the new section on page 4-5.

3. Methodology: Is the paper's argument built on an appropriate base of theory, concepts, or other ideas? Has the research or equivalent intellectual work on which the paper is based been well designed? Are the methods employed appropriate?: Theory has not been clearly augmented.

We have now added a new section "theoretical background and conceptual framework" which provides theoretical supporting for the study. We believe the newly added section provides a good support for positioning the paper in the literature. Please see the new section on page 4-5.

4. Results: Are results presented clearly and analysed appropriately? Do the conclusions adequately tie together the other elements of the paper?: Bit more statistical analysis needed to differentiate trends

We have attempted to add some more statistical analysis between the AU and NZ market to show 1) the trends of different approaches to launch products over time in the two markets; 2) the trends of different approaches to launch products over time across different credence attributes in the two markets. We think adding the extra analyses will help better present the trends of product launch over time for the two markets. First we have added a new figure to show the difference in product launch between the two markets (see figure 3 and some interpretations in lines 153-158, also figure 1 and 2 in the appendix, and interpretations in lines 193-195) and a new table (using t-test) to compare the two markets (see table 2, lines 205-213).

5. Implications for research, practice and/or society: Does the paper identify clearly any implications for research, practice and/or society? Does the paper bridge the gap between theory and practice? How can the research be used in practice (economic and commercial impact), in teaching, to influence public policy, in research (contributing to the body of knowledge)? What is the impact upon society (influencing public attitudes, affecting quality of life)? Are these implications consistent

with the findings and conclusions of the paper?: With more robust discussion on results and improvements in statistical analysis to show clear trends can highlight the implications in a better way.

Based on the newly added section "theoretical background and conceptual analysis", we have added more discussion about the findings and implications based on the new section. We believe now the discussion and implications of the results and findings have been improved and presented in a better way. Please see the highlighted parts in the results and discussion and conclusion sections.

6. Quality of Communication: Does the paper clearly express its case, measured against the technical language of the field and the expected knowledge of the journal's readership? Has attention been paid to the clarity of expression and readability, such as sentence structure, jargon use, acronyms, etc.: Technical language needs to be improved. please see the comments in the attached review

We agree with the reviewer that the technical language needs to be improved to make the expressions clearer. We have followed the suggestions (and the detailed comments on the manuscript) by the reviewer to revise and improve the clarity of the wordings used in the manuscript. We believe the technical languages have been improved. Please see the highlights in red throughout the text.

#### 2. Reviewer: 2

Recommendation: Major Revision

#### Comments:

The topic of the paper is interesting, but I suggest to enlarge the review of the literature. In my opinion the topic of the paper falls in the wider question related to "information and new products". I have not seen any reference about these aspects.

This makes the goals of the paper and the gap that it aims to fill not sufficiently clear or even innovative. For the same reason, I suggest to revise the implications and discussion of the results also considering these aspects.

Finally, I suggest in the Conclusion to talk about the limitations of the study and potential future research for the near future.

Thanks for your constructive suggestions. We have attempted to address your comments and suggestions and all the revisions (in text) have been highlighted in red. Specifically:

- We agree that the topic falls in the question of informing consumers with credence attribute labelling in new products, which may help provide a theoretical grounding for the empirical analysis. To address this issue, we have added a new section "theoretical background and conceptual framework" to provide more references and discussion about this question and how it supports the topic of this study. Please see p4-5.
- Hence, following the above changes, the implications and discussion have also been revised (see the last section) in response to the newly added section & refs (in introduction). Also, we have added limitations of the study in the end of the paper. Please see the last paragraph of the conclusion section.
- In addition, we have attempted to respond to every comment you provided below and address your suggestions in the revised manuscript.

#### Additional Questions:

1. Originality: Does the paper contain new and significant information adequate to justify publication?: Yes.

Thank you!

2. Relationship to Literature: Does the paper demonstrate an adequate understanding of the relevant literature in the field and cite an appropriate range of literature sources? Is any significant work ignored?: Not enough. In my opinion the literature review conducted by the Authors is not sufficient to justify the motivations of the survey. The question about information and new-products was largely debated in the literature. Please, justify in a better way the real gap that this manuscripts aims to fill.

Thanks very much for suggesting adding the literature on information and new product development. We have added a new section and more relevant studies suggested by the reviewer. We think, given the new contents added, the research gap has been much clearer addressed now – we have added the contributions early in the introduction section see lines 64-73.

3. Methodology: Is the paper's argument built on an appropriate base of theory, concepts, or other ideas? Has the research or equivalent intellectual work on which the paper is based been well designed? Are the methods employed appropriate?: Yes, the methodologu adopted by the Authors

is adequate to the goals of the survey. Thank you!

4. Results: Are results presented clearly and analysed appropriately? Do the conclusions adequately tie together the other elements of the paper?: Yes. Thank you!

5. Implications for research, practice and/or society: Does the paper identify clearly any implications for research, practice and/or society? Does the paper bridge the gap between theory and practice? How can the research be used in practice (economic and commercial impact), in teaching, to influence public policy, in research (contributing to the body of knowledge)? What is the impact upon society (influencing public attitudes, affecting quality of life)? Are these implications consistent with the findings and conclusions of the paper?: It is non sufficient clear what is the gap filled by the survey. Therefore I havea some doubts about the implications of the survey for policy makers, operetors etc.

We have now revised the implications and discussion part. We believe it is important to discuss about the implications to the public and society, though we do not have direct evidence (based on the results and finding) to support the impact to a wider community/society (we think regulation on credence attribute claims may be one of the benefits to consumers and the society, see lines 430-439). However, we think there are rooms for us to add some more discussion about the implications from the firm side, which is the main contribution of utilising and analysing the survey – firms' responses to the market demand on credence attributes are a means of addressing 1) the public concerns about, for example, food production using intensive natural resources, and 2) help develop food product toward a more sustainable direction. Please see our revisions in the last section conclusion.

6. Quality of Communication: Does the paper clearly express its case, measured against the technical language of the field and the expected knowledge of the journal's readership? Has attention been paid to the clarity of expression and readability, such as sentence structure, jargon use, acronyms, etc.: I am not an English native speaker. In my opinion the language is clear but I suggest to ask for this aspect to a native English speaker.

Thanks for the suggestion. We first follow the suggestions of another reviewer regarding technical language revision to revise the language (quite detailed comments), mainly clarifying the logic, expression, and consistency of wordings and structure. In addition, two of the authors for this manuscript are native English speakers. They have had a thorough check through the manuscript after all the revisions are done (all revisions are made in red colour throughout the manuscript). We believe, from the language perspective, the manuscript has been significantly improved.

#### 3. Reviewer: 3

Recommendation: Major Revision

#### Comments:

There is no justification in the manuscript for why Australia and New Zealand were chosen as the two markets to examine and how they are similar of different for the purposes of studying 'international markets'. The database of product launch information which is used in this study is getting a bit outdated (1996 to 2017). It is more of a historical study that looking at current market trends and this needs to be stated in the positioning of the study. The contribution of the study needs to be stated upfront in the manuscript.

The research needs clearer and more specific positioning in the literature to show how it is making a contribution above and beyond existing studies. This is shown in the conclusion section which states that 'results of the study contribute to the fast-growing body of literature on understanding credence attribute claims front he firm side in several ways'. Some supporting references here would show clearly where the contribution is being made and where the research is being positioned. The study outlines its methodology and data sources are also given. It appears to follow the terminology of the Mintel Database and refers to product range extension, rather than product line extension. This is not technically correct terminology so some explanation for the rationale of this decision needs to be given. There is some inference about the implications of the results which is not well founded by the results. For example, the discussion on the top of 9 suggests that the firms studied invest in credence claims that are valued by consumers/the market, but this is not directly tested by the research. There is also a long discussion on page 9 about the differences between the NZ and Chinese market, but it is not examined in this research paper, so it is not directly relevant. Supporting references are also needed where reference is made to claims that are valued by consumers in these markets, as this was not directly addressed in the research.

The implications are almost non-existent and need to be carefully considered and introduced into the manuscript. The manuscript does not engage with the status of different claims or the regulation of these claims in the Australian and New Zealand markets and this needs to be researched and integrated into the manuscript as appropriate for the time period that is being considered. It might be the case that claims were made during that period that were not sufficiently regulated by the government and this would be an important observation. At present, the claims made are too general in nature.

The manuscript reads well, but the quality of the expression could be improved. Some of the phrases can be revised. One example is the use of the phrase 'product range extension' which should be 'product line extension' or expansion of product range. Also, for example, the first sentence of the last paragraph on page 6 needs to be rephrased to read more clearly. Positioning rather than position claims would be preferred terminology in the manuscript. But, in this instance it appears that it refers to credence claims, rather than positioning. The logic of the last sentence on the top of page 7 regarding the unit price of an item does not follow from the preceding statement.

Thanks for your constructive suggestions. We have attempted to respond to every comment you provided and address your suggestions in the revised manuscript. All the revisions have been highlighted in red. In order not to be repeated - it seems the reviewer provide the comments in the above as well as under each of the additional questions below, and hence we have provided our responses to the reviewer's comments following each of the questions as follows:

#### **Additional Questions:**

1. Originality: Does the paper contain new and significant information adequate to justify publication?: There is no justification in the manuscript for why Australia and New Zealand were chosen as the two markets to examine and how they are similar of different for the purposes of studying 'international markets'.

Thanks for pointing it out and we were not meant to use the analysis of AU and NZ markets to represent the study of "international markets". Here lines 39-41 "This is especially important for firms targeting the international market as they need to consider the specific characteristics of the targeted markets and respond with product launch and marketing strategies." We were meant to highlight the importance of knowing the different markets (and demand) when choosing positioning and launching strategies. But we think this can be further clarified.

Hence, we have made revisions on the statement of the research purpose and briefly stated that the AU and NZ comparison is chosen as an example to empirically show the relationship between credence attributes claims and product launching approaches (see lines 55-59).

The database of product launch information which is used in this study is getting a bit outdated (1996 to 2017). It is more of a historical study that looking at current market trends and this needs to be stated in the positioning of the study. The contribution of the study needs to be stated early in the manuscript.

We agree that it is not the most updated information about product launch, but the data is the most recent dataset that are available to be used in the empirical analysis. We have now clearly stated that results and findings are based on the data between 1996 and 2017 (line 60-61)- We have also indicated it as a limitation of the study in the conclusion section (last paragraph).

We have also highlighted the contributions early in the introduction section, see lines 65-74.

2. Relationship to Literature: Does the paper demonstrate an adequate understanding of the relevant literature in the field and cite an appropriate range of literature sources? Is any significant work ignored?: The research needs clearer and more specific positioning in the literature to show how it is making a contribution above and beyond existing studies. This is shown in the conclusion section which states that 'results of the study contribute to the fast-growing body of literature on understanding credence attribute claims front he firm side in several ways'. Some supporting references here would show clearly where the contribution is being made and where the research is being positioned.

We have added some more literature, in particular theoretical supports for the empirical analysis of the study in the new section "theoretical background and conceptual framework", see p4-5. This will help a clearer positioning of the study in the literature. We believe adding the relevant literature and discussions help highlight the contributions of the study, see lines 65-74 and 405-411.

3. Methodology: Is the paper's argument built on an appropriate base of theory, concepts, or other ideas? Has the research or equivalent intellectual work on which the paper is based been well designed? Are the methods employed appropriate?: The study outlines its methodology and data sources are also given. It appears to follow the terminology of the Mintel Database and refers to product range extension, rather than product line extension. This is not technically correct terminology so some explanation for the rationale of this decision needs to be given.

Thanks for pointing it out. To make the terminology clear and technically correct, we have changed the term "product range extension" into "expansion of product range" which includes introducing new varieties and new ranges throughout the manuscript (e.g., see line 147-148,223, 240 etc. and updates in all tables).

- 4. Results: Are results presented clearly and analysed appropriately? Do the conclusions adequately tie together the other elements of the paper?: There is some inference about the implications of the results which is not well founded by the results. For example, the discussion on the top of 9 suggests that the firms studied invest in credence claims that are valued by consumers/the market, but this is not directly tested by the research. There is also a long discussion on page 9 about the differences between the NZ and Chinese market, but it is not examined in this research paper, so it is not directly relevant. Supporting references are also needed where reference is made to claims that are valued by consumers in these markets, as this was not directly addressed in the research.
  - 1. We agree that the statement "firm investment in credence claims is valued by consumers" has not been directly tested by the research. Instead, we tested the relationship between product launch and product positioning via credence attribute claims the relationship is inferred to / seen as a way of responding to market demand/ satisfying consumer demand for credence attributes (please see the conceptual analysis framework). We have now made the point clear that although it is not directly tested, the results may provide some indirect evidence for us to infer to the market drive (see the new section).
  - 2. The reasons of having discussions about the differences between the NZ and China market is mainly because 1) the paper on the Chinese market is the only paper that tends to relate product launch strategies to product positioning via credence attribute claims. We think it is important we discuss about the consistency of the results here in the study with the other studies. For example, there are differences between the findings of this study and the study on China. 2) it aligns to the results of the paper on the Chinese market that firms choose the most preferred claims to be associated with the most expensive launching approach. Hence, as one of the implications, we believe it is necessary to discuss about the differences to show that firms may consider the characteristics of different markets when considering product launch strategies and positioning.
- 5. Implications for research, practice and/or society: Does the paper identify clearly any implications for research, practice and/or society? Does the paper bridge the gap between theory and practice? How can the research be used in practice (economic and commercial impact), in teaching, to influence public policy, in research (contributing to the body of knowledge)? What is the impact upon society (influencing public attitudes, affecting quality of life)? Are these implications consistent with the findings and conclusions of the paper?: The implications are almost non-existent and need to be carefully considered and introduced into the manuscript. The manuscript does not engage with the status of different claims or the regulation of these claims in the Australian and New Zealand markets and this needs to be researched and integrated into the manuscript as appropriate for the time period that is being considered. It might be the case that claims were made during that period that were not sufficiently regulated by the government and this would be an important observation. At present, the claims made are too general in nature.

We have added some more implications (including managerial implications and policy implications) in the conclusion section (see lines 416-440).

We think we have provided discussions about the status of different claims and regulations of the claims in the AU and NZ markets in the results and discussion section (lines 340-352). However, we

have added more discussions about the suggested aspects regarding, for example the claims made are too general in nature in the AU and NZ markets. (See lines 433-437).

6. Quality of Communication: Does the paper clearly express its case, measured against the technical language of the field and the expected knowledge of the journal's readership? Has attention been paid to the clarity of expression and readability, such as sentence structure, jargon use, acronyms, etc.: The manuscript reads well, but the quality of the expression could be improved. Some of the phrases can be revised. One example is the use of the phrase 'product range extension' which should be 'product line extension' or expansion of product range. Also, for example, the first sentence of the last paragraph on page 6 needs to be rephrased to read more clearly. Positioning rather than position claims would be preferred terminology in the manuscript. But, in this instance it appears that it refers to credence claims, rather than positioning. The logic of the last sentence on the top of page 7 regarding the unit price of an item does not follow from the preceding statement.

Thanks for the suggestion regarding improving the technical expressions of terminologies: We agree that it is more appropriate to use "expansion of product range" rather than "new extension" (which is vague), and hence we have changed the expressions consistently throughout the paper;

As for the wording of position claims, YES, it means positioning through/via credence claims. To improve the accuracy, we have changed it to "positioning" and "product positioning via claims" throughout the paper;

As for "the logic of the last sentence on the top of page 7 regarding the unit price of an item does not follow from the preceding statement", the statement/expression "if a food company were to increase the unit price of a food product, the firm would be expected to choose to introduce a brand-new product to the market." is the standard way of interpreting RRRs given a continuous variable, in our case unit price (and it is associated with a positive RRR).