SFNI Conference Teagasc 30th September 2019

Two Sensory Service Case Studies

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Test Kitchen facilities



Facilities

- Facilities
- Expertise
- Consumer Taste Panels
- Trained Sensory Panels
- Focus Groups
- In-company Mentoring
- Training Workshops





18-booth sensory Tasting Rooms

Prepared Consumer Foods Centre & Packaging Suite





How is sensory science used in the food industry?

Product Development

 New products, recipe / process changes, etc

Quality Control

Products, ingredients

Shelf Life

Best before date

Benchmarking

Comparing with the competition

Problem Solving

Taint identification, off-flavours



Case Study 1



We want to convince a major retailer our Free From confectionary product is far superior to their current supplier's.



The Issues

- Recruitment of the correct consumer panel crucial
- Timescale analysis & reporting deadlines were very short
- Report needed to be very clear & user friendly
- Decided on Consumer Preference & Acceptability Tests
- Compusense Cloud Software used for:
 - » Project set up & data Capture
 - » Results compiling & presentation



Consumer tests

"Which sample is the most preferred or most acceptable"?





Consumer tests

Quantitative – measurement of consumers opinion

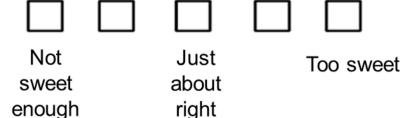
- Preference tests
- Acceptability tests

JAR Scores

enough

9 point hedonic scale

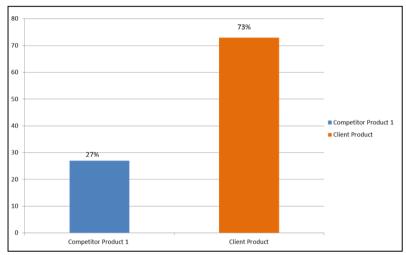
Dislike extremely	Neither like nor dislike			Like extremely		





Results

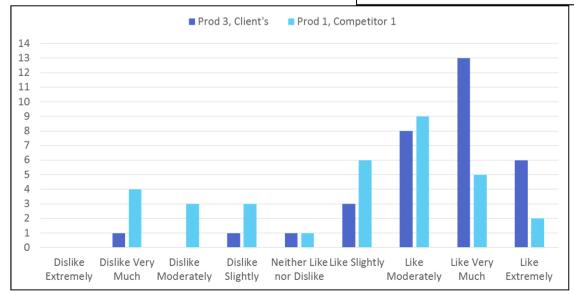
Overall Preference



Overall Product Acceptability



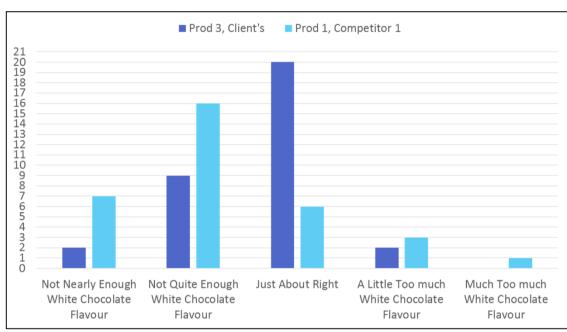
Overall Product Acceptability



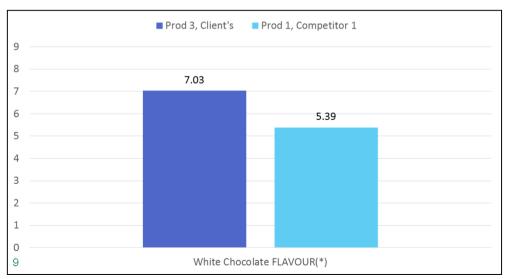


Results

JAR - White Chocolate Flavour

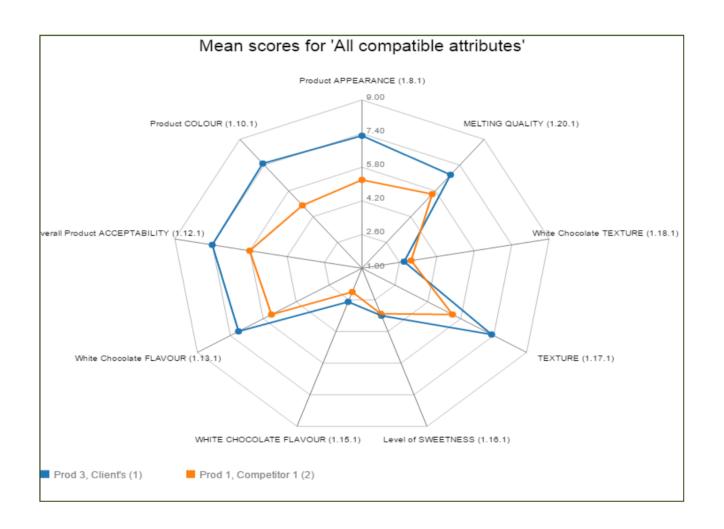


Liking – Product Flavour





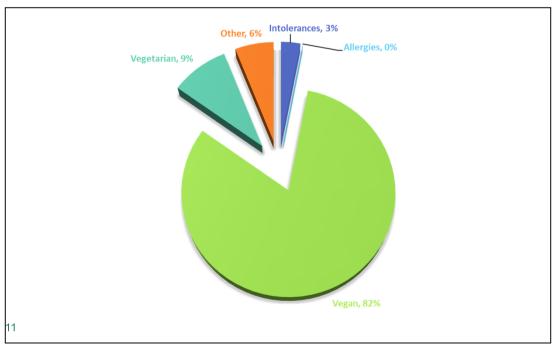
Mean Scores for all attributes





Report

- Outline of project given
- Full findings summarised
- Demographics: Age, Gender
- Purchasing habits
- Panellist's comments analysed & summarised



Why choose Free From confectionary



Case Study 2



Which recipe will we run with for our branded cooked sliced meat product?



The Issues

- Historic recipe maybe unsuitable for modern consumers
- Original recipe contained a lot of additives
- New processing methods since original product was designed
- Technical team not objective about the products
- Needed objective consumer responses



Results

- Product A significantly preferred over Product B
- Attributes most highlighted as superior:
 - Flavour and Texture
 - Succulence & Eating Quality .
- Product B considered more processed than Product A
- Comments analysed & summarised

Product A recipe chosen by the Technical Team



Getting the best from your sensory service

- Be very clear about what you want to achieve
- Agree a budget
- Communicate well with the service provider
- Agree test methods that match the research objectives
- Agree methods, data collection, analyses, action standards, report type required
- Timescale agree the analysis & reporting deadline





Innovation/Prepared

Consumer Foods

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