



LOCAL HEALTH AUTHORITY ANALYTICAL COMMITTEE
CO-ORDINATED SAMPLING PROJECT 11 – DAIRY PRODUCE II
(Conducted November to December 2013)

Introduction

This report summarises the findings from the LHAAC Co-ordinated Sampling Project No. 11 on Dairy Produce II and targets dairy products in the categories of Cheese, Yoghurt and Cream.

Consignment Details

At the end of the survey, 219 samples had been submitted by 35 participating municipalities.

The breakdown of the number of samples submitted by each Local Government is presented in Appendix 1.

Testing Methodology

The two LHAAC Appointed analysts looked at the following areas when assessing each sample.

1. Labelling and the Nutritional Information Panel (NIP) where NIP information was provided on the product, or by the producer. This check looked at the content of the label, the formatting of the NIP and legibility of the label (font size, language etc.). It also included a nutritional analysis of the product, with results being compared to the product's declared NIP.
2. Samples of cream were assessed to confirm that they have 350g/kg of milk fat as required by FSC 2.5.2.

Products Types Submitted

The product types identified prior to the survey were listed in the introduction above. These product types made up the majority of products submitted. Table 1 shows the breakdown of all samples received by product category:

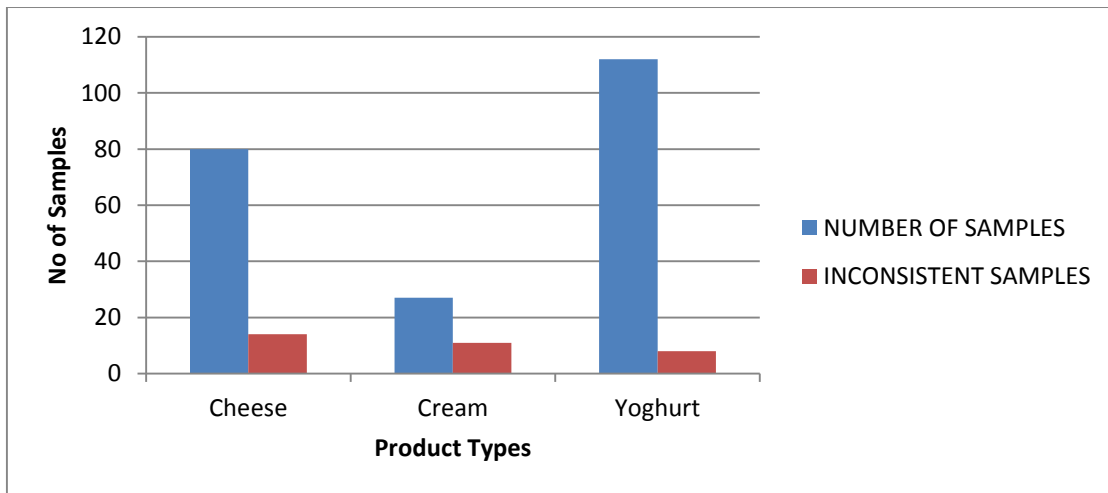


Table 1: Sample Submissions by product type

Test Results

The following pages will investigate areas of non compliance for each of the products listed in Table 1. The number of samples considered inconsistent was 33 (15%) of the 219 products submitted.

An 'Inconsistent' classification is used when the result of analysis has a variance greater than +/-20% of the levels stated on the product NIP.

Cheese

Of the 80 cheese products submitted, 14 (17.5%) were classified as inconsistent. The majority of the samples were classified as inconsistent due to problems with the nutritional panels. The breakdown can be categorised as follows (see Table 2):

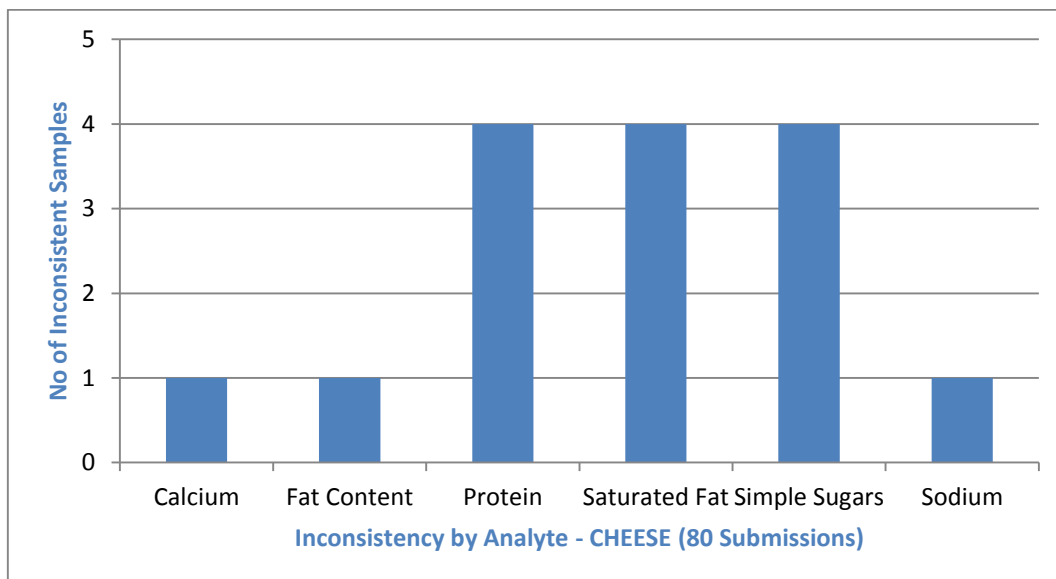


Table 2: Inconsistent Cheese Samples by Analyte

- Incorrect results: 14 samples had information on their product that was inconsistent with laboratory analysis, as follows:
 - 4 samples had significantly lower protein content than declared on the NIP
 - 1 sample had significantly lower calcium content than declared on the NIP
 - 4 samples had significantly higher saturated fats than declared on the NIP
 - 1 sample had significantly higher fat content than declared on the NIP

- 1 sample had significantly higher sodium content than declared on the NIP
- 4 samples had significant differences in the total simple sugars than declared on the NIP

The total number of inconsistencies (15) is more than the 14 inconsistent products due to some samples being non-compliant in more than one category.

Yoghurt

Of the 112 yoghurt products submitted, 11 (9.8%) were classified as inconsistent. The majority of the samples were classified as inconsistent due to problems with the nutritional panels. The breakdown can be categorised as follows (see Table 3):

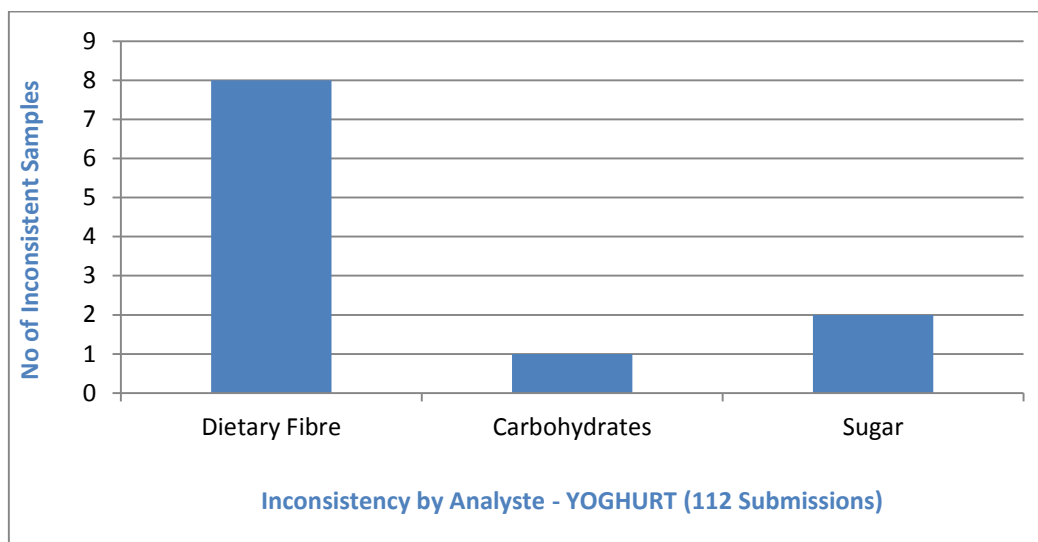


Table 3: Inconsistent Yoghurt Samples by Analyte

- Incorrect results: 11 samples had information on their product that was inconsistent with laboratory analysis, as follows:
 - 8 samples had significantly lower dietary fibre content than declared on the NIP
 - 1 sample had significantly lower carbohydrate content than declared on the NIP
 - 2 sample had significantly variations in sugar content than declared on the NIP

Cream

All of the 27 cream samples submitted, 8 (29.6%) were classified as inconsistent. The majority of the samples were classified as inconsistent due to problems with the nutritional panels. The breakdown can be categorised as follows (see Table 4):

- Incorrect results: 8 samples had information on their product that was inconsistent with laboratory analysis, as follows:
 - 5 samples had significantly different total carbohydrates than declared on the NIP
 - 6 samples had significantly different simple sugar content than declared on the NIP
 - 4 samples had significantly different protein content than declared on the NIP
 - 3 samples had significantly different fat content than declared on the NIP
 - 1 sample had significantly different saturated fat levels than declared on the NIP

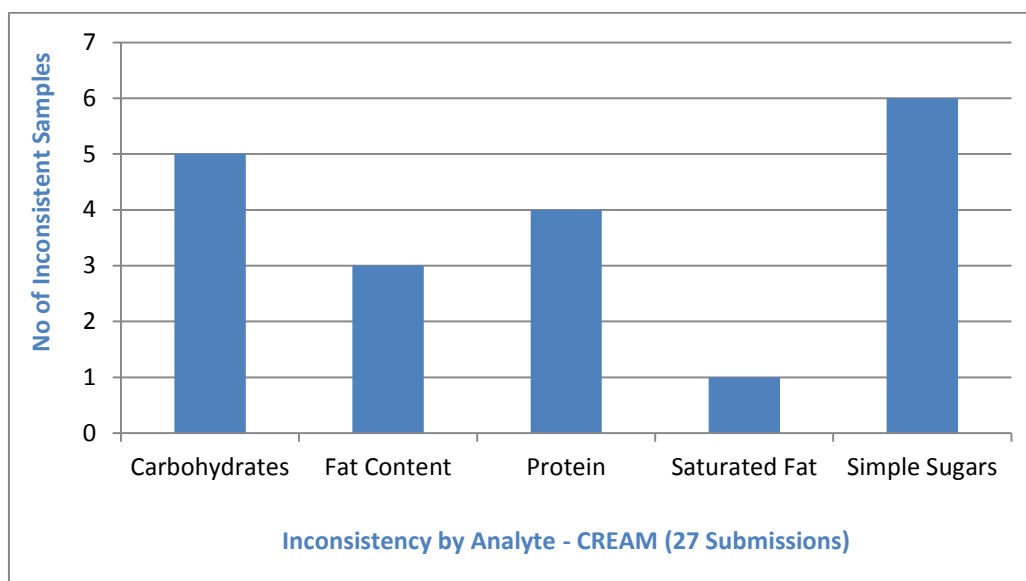


Table 4: Inconsistent Cream Samples by Analyte

The total number of inconsistencies (19) is more than the 8 inconsistent products due to some samples being non-compliant in more than one category.

Summary

The results show a marked improvement in the level of inconsistent samples in the categories of cheese, cream and yoghurts from the first Dairy Project. CSP 11 had a much larger number of samples in these categories and the level of inconsistent samples has reduced substantially. Cheese is now down to 17.5 % (reported as 52.4% in Dairy I); Cream is now 29.8% (from approx. 60%) and Yoghurt down to 9.8% (also from approx. 60%).

It should be noted that the first Dairy CSP focussed on locally produced products and also included products that were home-manufactured. This second Dairy CSP focussed on more readily available products from the larger manufacturers which may partly explain the better results.

This co-ordinated sampling project was well supported by Local Governments. It is suggested that the reason the trial was well supported was three-fold. Firstly, it is likely that EHOs thought that this was a worthwhile project to be participating in. Secondly, councils were given significant guidance by LHAAC in terms of the sample products they should be selecting; and, finally, this was effectively a follow-up survey to the first Dairy CSP reported in February 2012.

Acknowledgement

LHAAC would like to thank the many Local Governments who supported this Coordinated Sampling project.

LHAAC also acknowledge the assistance of the two analysts, Agrifood Technology and ChemCentre, in analysing the samples submitted and their assistance in producing this summary report.

Appendix 1: Number of Samples submitted by participating Local Governments

Council	Number of Samples
Augusta/Margaret River	3
Belmont	6
Broome	2
Bunbury	7
Busselton	6
Capel	4
Claremont	1
Cockburn	7
Collie	2
Cottesloe	4
Esperance	2
Fremantle	4
Geraldton	9
Gosnells	13
Harvey	6
Irwin	3
Joondalup	13
Kalamunda	3
Kalgoorlie/Bolder	3
Kwinana	2
Mandurah	6
Melville	8
Mundaring	8
Northam	8
Perth	8
Plantagenet	1
Port Hedland	6
Rockingham	8
Roebourne	4
Stirling	19
Subiaco	1
Swan	9
Vincent	11
Wanneroo	20
Wyndham/ East Kimberley	2
TOTAL	219