

**Brazilian Network of Food Data Systems and LATINFOODS Regional
Technical Compilation Committee: Food composition activities
(2006-2009)**

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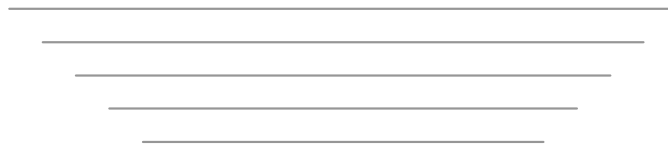
Coordinator of TBCA-USP
Faculdade Ciências Farmacêuticas
Universidade de São Paulo – USP, Brasil



Coordinator of Compilation Regional Technical
Committee of LATINFOODS




8 IFDC
1-3 Oct, 2009, Bangkok, Thailand



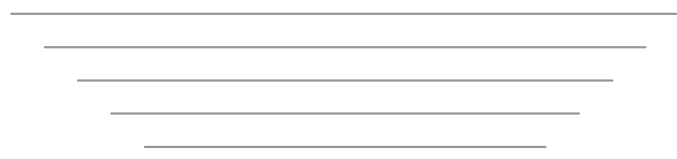
Brazilian Network of Food Data Systems - BRASILFOODS

INFOODS LATINFOODS BRASILFOODS

- ▶ **Coordination: University of Sao Paulo (USP) since 1984**
- ▶ **Participants: 27 units with national distribution**
 - ▶ **Researchers**
 - ▶ **Universities**
 - ▶ **Private and public organizations**
 - ▶ **Food industries and others**
- ▶ **Objectives - To develop activities to:**
 - ▶ **Improve**
 - ▶ **data quality**
 - ▶ **communication among laboratories**
 - ▶ **food composition data**

 **Activities coordinated by BRASILFOODS (2006-2009)**

- ➔ 1. Update of Brazilian Food Composition Database (TCBA-USP)
- ➔ 2. Application of quality evaluation system on flavonoid data
- ➔ 3. Compilation and analysis of new data



 **1. Brazilian Food Composition Database (TCBA-USP)**
(www.fcf.usp.br/tabela)



- ▶ Created in 1998 by BRASILFOODS/ USP
- ▶ Was first database available on internet of Latin America
- ▶ Centralizes the information on food composition of Brazil
- ▶ Elaborated according to the rules of INFOODS (tagnames, food identification...)
- ▶ Provides data to LATINFOODS database

▶ Information of 1800 Brazilian foods (1200 - with proximal composition + 600 - compilation concluded)

Qualidade em informações sobre alimentos brasileiros

Entre o termo para busca: 

TBCA-USP – Version 5.0, 2008

1. Information of carbohydrates (by analysis of individual compounds) - 112 foods
2. Glycemic response - 41 foods

Search: pineapple, pulp and core, in nature, *Ananas comosus*, cv Pérola

	Unidade		721C «Pineapple» Classificação
Resposta Glicêmica			
IG (glicose=100%)	%	66	A=
CG #		7	B
Porção Recomendada	g	100	
Carboidratos disponíveis/porção	g	11	
	%	94	A=
		7/saudáveis	

Financially supported by the Brazilian Health Ministry

A= High GI/GL
B= Medium GI/GL
C= Low GI/GL

Goal for next years

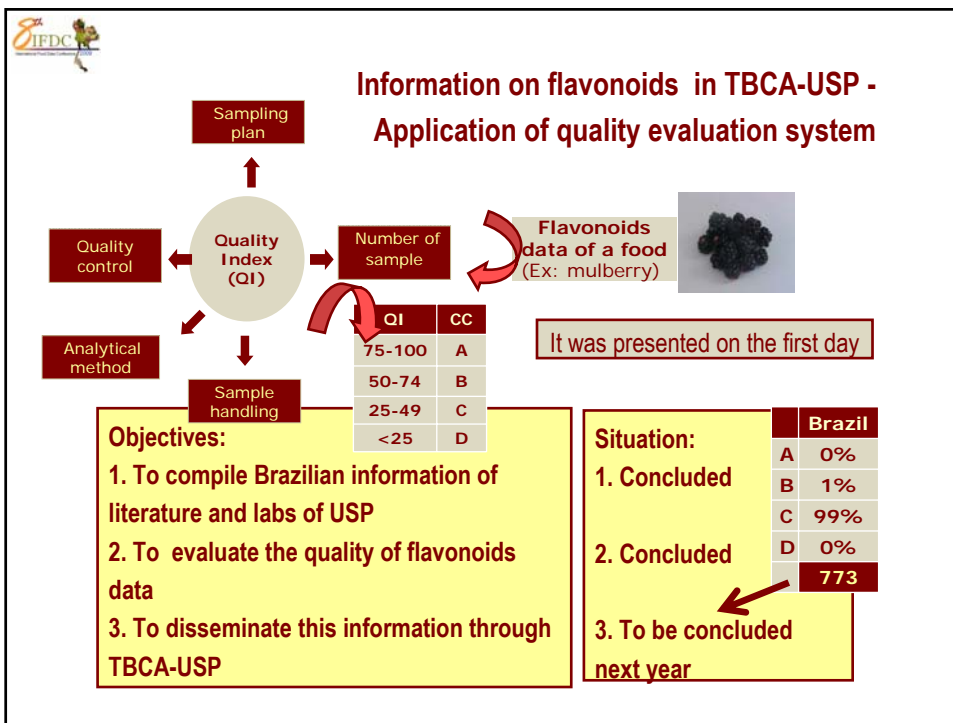
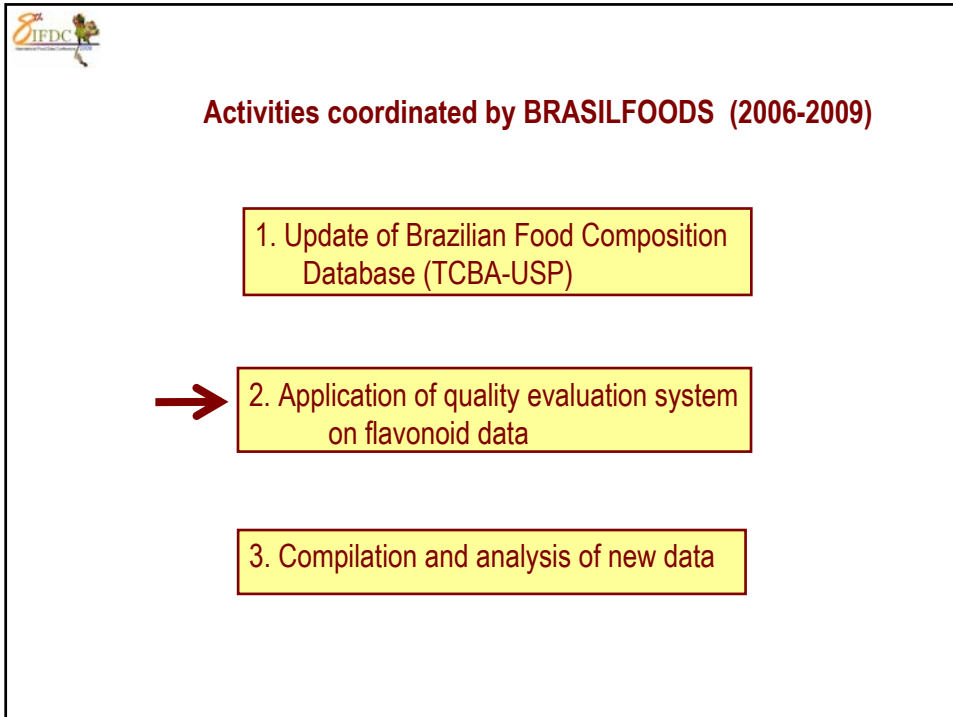
- To improve the number of individual carbohydrate (CHO) information and its glycemic response
- To change the estimation of CHO by difference to the sum of individual available carbohydrates for all foods
- To estimate the new energy value


Result of search: Oat bran, fiber, *Avena sativa*

	Unidade	Valor por 100g
Composição Centesimal		
Umidade	g	9,60
Energia	kcal	345
Energia	kJ	1.445
Proteínas	g	19,30
Lipídios Totais	g	11,40
Carboidratos Totais (por diferença)	g	57,40
Carboidratos "Disponíveis" (por diferença)	g	41,42
Cinzas	g	2,30
Fibra Alimentar Total	g	15,98
Fibra Insolúvel	g	9,90
Fibra Solúvel	g	6,08

Carboidratos (por fração)		
Umidade	g	8,66
Amido Total	g	45,29
Amido Resistente	g	3,26
Amido Disponível	g	42,03
Glicose	g	0,00
Frutose	g	0,00
Sacarose	g	0,84
Açúcares Disponíveis Totais	g	0,89

CHO BY DIFFERENCE X SUM OF INDIVIDUAL AVAILABLE CHO





**Activities coordinated by BRASILFOODS/ LATINFOODS and
FAO/ INFOODS (2006-2009)**

- ➔ 1. 7th International Food Data Conference, Oct 1-3, 2007, Brazil
- ➔ 2. BRASILFOODS participated in the Organizing Committee of “Expert Consultation on nutritional indicators for the biodiversity 1. Food Composition”, October 20, 2007, Brazil
- ➔ 3. Organization of the Symposium “Food Composition and Biodiversity”. IX National Congress of the Brazilian Society for Food and Nutrition, October 25, 2007, Brazil



1. 7th International Food Data Conference - 2007



Participation of 110 researchers (65 international and 44 Brazilian) from 40 countries

18 complete articles related to some of the presentations and the complete program were published (JFCA, 22(5), 2009)

8th International Food Data Conference

October 1-3, 2009

Bangkok, Thailand



55 oral presentations in the plenary sessions
87 abstracts presented as posters

7th IFDC




7th IFDC

LATINFOODS made an homage to Professor Ricardo Bressani



Three generations working on Food Composition



8th International Food Data Conference

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IFDC

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Expert Consultation on Nutrition Indicators for Biodiversity
1. Food composition



IFDC



3. Organization of the Symposium “Food Composition and Biodiversity”. IX National Congress of the Brazilian Society for Food and Nutrition, October 25, 2007, Brazil

 Activities coordinated by LATINFOODS Regional Technical Compilation Committee and BRASILFOODS (2006-2009)

- ➔ 1. Dissemination to Latin America of the Form and Manual for compilation data – BRASILFOODS version 2009
- ➔ 2. Course “Compilation of food composition data”, Santiago, 2008 - FAO consultant in compilation
- ➔ 3. Implementation of tools to facilitate and harmonize data compilation in Latin America
 - Create a platform of relational database for LATINFOODS
 - Evaluate the possibility of using Langual for food identification
 - Participate in the translation of Langual to Portuguese

 Future activities of BRASILFOODS

- ➔ Keep the analysis and compilation of new data
- ➔ Increase data on carbohydrates and bioactive compounds
- ➔ Create quality evaluation systems for other nutrients
- ➔ Continue the implementation of TBCA-USP
- ➔ Participate in the coordination of the relational database for LATINFOODS
- ➔ Continue the tests for using Langual in Latin America and its translation into Portuguese

**Brazilian Food Composition Database (TBCA-USP) -
BRASILFOODS**



<http://www.fcf.usp.br/tabela>
mailto: tabela@edu.usp.br

Thank You!

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1-3 Oct, 2009, Bangkok, Thailand

