

# RED MEAT CARCASS CLASSIFICATION SYSTEM

7 November 2014

- What do we understand with “Carcass Classification”?
- Some issues must be considered

## CARBO LOADING

# Koolhidraatlading



### WAAROM AARTAPPELS VIR KOOLHIDRAT

- **Potatoes** is ryk aan koolhidrate

is vir die herstel van die liggaam na oefening.

- **Low fat** is ryk aan energie

Rich in complex carbohydrates

- Aartappels bevat komplekse koolhidrate. Dit beteken dat aartappels ook vitamien B6 en kalium bevat.

Water rich

- Aartappels bevat water. Water is nodig vir die opberging van die glikogeen wat energie aan die spiere gee.

Increased Endurance

Gedurende 'n intensiewe studie by die Suid-Afrikaanse Instituut vir Sportwetenskappe het atlete hulle koolhidraatstatus verbeter.

staa om vinniger te oefen as toe hulle dieselfde oefening met 'n normale dieet uitgevoer het.

Bostaande toon dat aartappels die

High GI for faster recovery

Navorsing by die Suid-Afrikaanse Instituut vir Sportwetenskap het getoon dat aartappels suksesvol gebruik kan word vir koolhidraatlading en dat aartappels prestatie wat met uithouvermoë verband hou en herstel na oefening verbeter. "Dit is afdoende wetenskaplike bewys dat 'n enkele aartappel 'n uitstekende koolhidraatbron is."

**Prof. Tim Noakes, MBChB, MD, FACSM, wêreldbekende sportkundige en die skrywer van talle boeke.**



All of this by renowned scientist

Guess who?



*Prof. Tim Noakes, MBChB, MD, FACSM, wêreldbekende sportkundige en die skrywer van talle boeke.*

Source: Photo by Beeld newspaper

We need a better understanding. Wouldn't you agree

- First workshop: 28 October 2009
- Presentations were made on:
  - The profile of today's South African consumer
  - Experience from the Retail
  - Experience from Marketing
  - Experience from research and international trends
  - Experience from red meat producers
  - Experience from the emerging sector
- Workshop decided to nominate a team of researchers to Investigate the current red meat carcass classification system, in an attempt to make recommendations whether the current system should be maintained or amended or changed completely.

# Researchers nominated

<b>Name &amp; Surname</b>	<b>Institution</b>
<b>Dr Phillip Strydom</b>	ARC
<b>Dr Arno Hugo</b>	UFS
<b>Dr Lorinda Frylinck</b>	ARC
<b>Dr Ina van Heerden</b>	ARC
<b>Prof Hettie Schonfeldt</b>	UP
<b>Prof André Jooste</b>	NAMC

# Researchers Meeting - April 2010

- Committee recommended:
  - Literature review
    - Local classification system and its ability to describe the product
    - Its ability to predict the impact of factors influencing quality of the product
    - A global overview of classification and grading systems
    - Show the level of sophistication and cost aspects of different classification systems
    - An overview of changing consumer needs and trends
    - Indicate shortcomings of the local system but also global systems and techniques available to predict and describe characteristics that influence consumer demands.

# Researchers Meeting - April 2010

- Committee recommended:
  - A survey to investigate the South African consumers' perception towards red meat
    - An extensive literature review relating to the following:
      - All national research on the South African consumer food behaviour, perceptions and consumption patterns, with a focus on meat.
      - International research on meat consumers
    - Compile Terms of Reference to investigate the South African meat consumers

# Researchers Meeting - April 2010

- Committee recognised:
  - Research should be conducted on unsolved issues that will be forthcoming from the literature survey
  - This could include, but not limited to:
    - Factors involved in variation of product quality other than those included in the current classification system.
    - The ability/efficiency of new methods to describe or predict quality according to the needs of the industry and/or consumer
    - Evaluate the practical implementation and success of a system – robustness, tamper proof, economical relevance.

# Process since then ...

- Previous, existing and current projects that can inform the process, was identified
- Subsequently, RMRD system was used to :
  - Call for proposals/protocols to conduct research
  - Facilitate process of adjudication proposals/protocols
  - Followed corporate governance rules to award projects
  - Researchers commenced with research



- **Next meeting of committee was on 6 December 2013.**
- **The following was highlighted:**
  - Projects on Meat Quality
    - Review of the current Carcass Classification System - *Dr PE Strydom, ARC – Literature study - Completed*
    - Supplementation to improve beta-agonist beef quality - *Dr PE Strydom, ARC - Completed*
    - Beef quality audit - *Dr PE Strydom, ARC – Completed*
    - Beta Agonists, Animal Age & Beef Quality - *Dr PE Strydom, ARC – 2<sup>nd</sup> of three years*
    - Survey on information available on the front of the package of freshly packed red meat (beef and lamb) available to the South African consumer through the formal retail market *Changed to Ms Hester Vermeulen, BFAP – 1<sup>st</sup> year*
    - Nutrient content of South African beef - *Prof HC Schönfeldt, UP – 3<sup>rd</sup> of four years*

- **Next meeting of committee was on 6 December 2013.**
- **The following was highlighted:**
  - Projects on Consumer Surveys:
    - Literature study - *Prof HC Schönfeldt, UP – completed*
    - Understanding the dynamic red meat consumer: Low LSM (1-4) - *Prof HC Schönfeldt, UP & Ms Hester Vermeulen, BFAP – 2<sup>nd</sup> of three years*
    - Understanding the dynamic red meat consumer: Middle LSM (5-8) - *Prof HC Schönfeldt, UP Ms Hester Vermeulen, BFAP – 2<sup>nd</sup> of three years*
    - Understanding the dynamic red meat consumer: High LSM (9-10) - *Prof HC Schönfeldt, UP & Ms Hester Vermeulen, BFAP – 2<sup>nd</sup> of three years*
  - GAP analysis:
    - Improving the effectiveness of the meat industry in meeting the needs of the modern consumer within a developing country

- **Next meeting of committee was on 6 December 2013.**
- **The following was highlighted:**
  - The way forward/Questions raised by committee
    - What is the status of the current committee and to who should it report?
    - The status of the initiative must be elevated
  - Decided to organise a more inclusive meeting to discuss results and progress with other researchers outside the committee

- **Next meeting of committee and other researchers took place on 17 March**
- **The following was highlighted:**
  - The way forward
    - A symposium is planned with full scientific proceedings for 7 November 2014.
      - Calls for abstracts to assist in identifying all possible scientists that would like to present research results on the day was sent out.
    - An open debate/discussion will form part of the day, once research has been presented.