

Food Waste Industry-Meets-Science
Workshop
15 February 2017

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Who Is RCL FOODS & What Do We Do?



RCL FOODS is a leading African food producer in South Africa with a market capitalisation of R13 billion. We manufacture a wide range of branded and private label food products



CONSUMER DIVISION

BUSINESS UNITS

Chicken, Speciality, Grocery, Pies & Beverages, FoodSolutions



SUGAR & MILLING DIVISION

BUSINESS UNITS

Sugar, Millbake, Animal Feed



LOGISTICS DIVISION

BUSINESS UNITS

Logistics business responsible for Group-wide Route to Market



OVER 20 000 EMPLOYEES

AROUND 700 000 TONS OF SUGAR PER YEAR

100 TONS OF MAYONNAISE PRODUCED DAILY

MORE THAN 1 500 DELIVERY VEHICLES

500 000 TONS OF FLOUR AND MAIZE MILLED PER YEAR

400 000 PIES PER DAY

1.4 MILLION TONS OF ANIMAL FEED PER YEAR

MORE THAN 20 WELL KNOWN & MUCH LOVED BRANDS

500 000 LOAVES OF BREAD PER DAY

30 MILLION CHICKENS ON THE GROUND AT ANY TIME

Overview of current food waste activities

BUSINESS UNIT SPECIFIC

Activities are driven by
business units

Focus on reducing
operational costs

Every production unit lost
= avoidable expense

MEASURE & MONITOR


Raw materials
measured and monitored –
avoidance of losses

MAXIMISE USE OF “WRONG SIZE PORTION”

Out of spec product:
Maximise reworking into
other products

Overview of current food waste activities



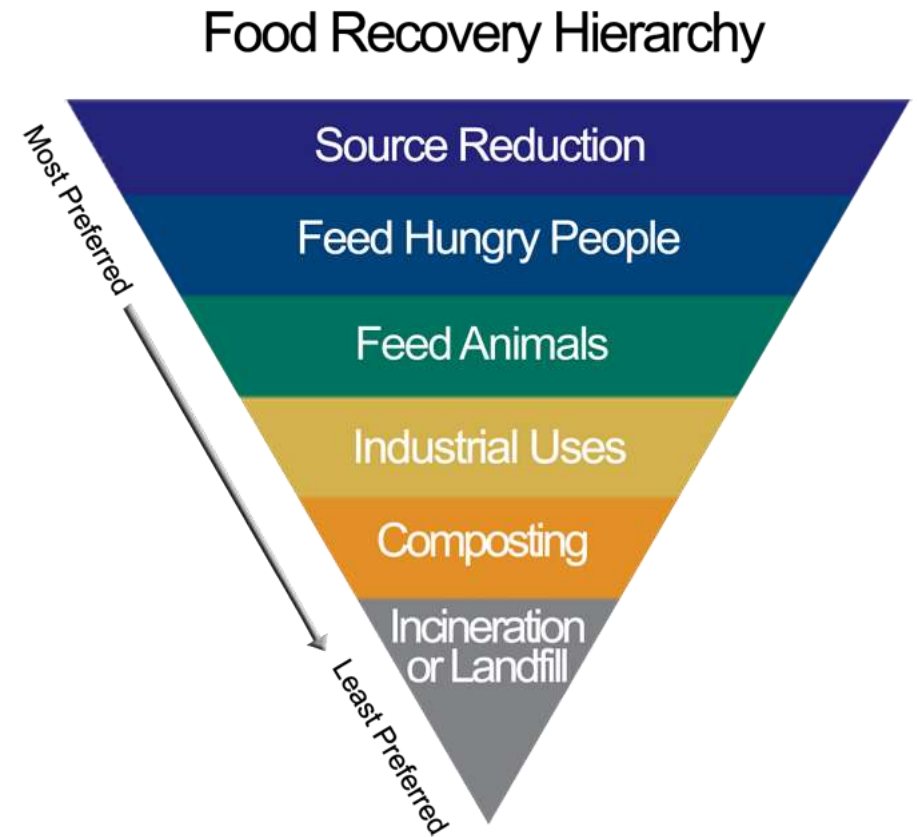
 Food: maximise raw materials converted into food (waterfall approach, optimise for best return, highest value product at highest quality according to customer requirement)

 Feed: resultant materials used as animal feed

 Fuel: residues or condemned (not fit for food or feed) product used for energy generation where viable

 Fertiliser: residues not suitable for the above: composting, 3rd party conversion, etc.

 Landfill: Unsustainable last resort



Obstacles to food waste management

FOOD SAFETY & QUALITY

Main priority -
this is a good thing!



HIGHLY REGULATED INDUSTRY

Some cases leading to
good (usable) product
being condemned



RE-WORKING

of out of spec product
expensive










CUSTOMER/ CONSUMER DEMAND

for premium
products: "form over
function"






Opportunities for reducing food waste



-  Manufacturing excellence
-  Vertically Integrated supply chain
-  Synergies across business units
-  Waste to Value:
-  Circular economy opportunities
-  Channel to Feed/Energy/Fertiliser
-  Combined approach: Government and Industry collaboration (open innovation)

Current gaps in knowledge

-  What are the new Value Add opportunities (conversion technologies, new products, etc)
-  Reducing costs and investment requirements for Value Add opportunities
-  Rapid test methods to assess food safety (cost effectively)

Thank you

