





Addressing the risk of having no customers



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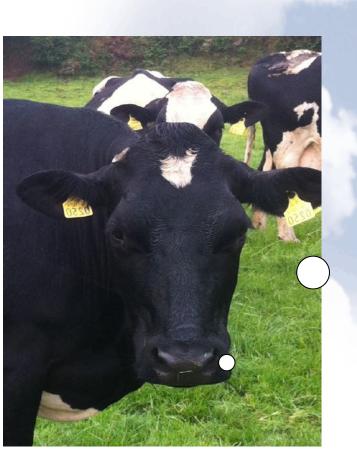




C Criteria critical for success

- 1. Confidence
- 2. Competitive
- 3. Creative
- 4. Collaboration and cooperation
- 5. Compliance
- 6. Credit

The Future is looking Good



Provided we can avoid adverse publicity

- 1. Food Safety
- 2. Animal Welfare
- 3. Nutrition & Health



Food Safety is not a gamble

Core Function of Company Leaders







Cash for corpses

Crying out to the wrong audience 12-1 An artist with issues 14

Lin Dan makes comeback as

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Tainted products to be recalled in next 48 hrs: Fonterra

Milk scare prompts apology



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China-built port terminal opens in Sri Lanka capital

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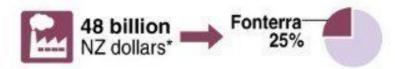
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Control Date on HOK to procept their street Dairy products, including infant formula, were withdrawn in more than seven countries in August after Fonterra suspected that 38 tonnes of whey protein had been contaminated with a botulism-causing bacterium

Dairy giant at the heart of toxin scare

Total New Zealand merchandise exports



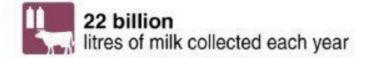
Total Chinese imports of milk powder



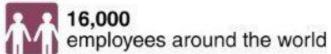
Annual turnover of Fronterra



Fonterra facts













Definitive typing of microbes



Conventional microbiology:- too slow



Increasing ability of analytical chemists



HR-MS:-Finger print the chemicals

2008:- Global recall of Irish Pork...























aturday 23 November 2013 S Vol 66 No 47

Price €2.70 (incl. 9% VA

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FARMERS JOURNAL

Time to heed warnings on illegal milk trading

In our 26 October edition, we warned farmers that it is a very serious offence to sell milk to a non-approved purchaser.

It has now emerged that a lorry was detained in the Newry/Armagh area two weeks ago with milk believed to have been imported illegally from the Republic of Ireland.

The details of what actually took place are scant, but it under-

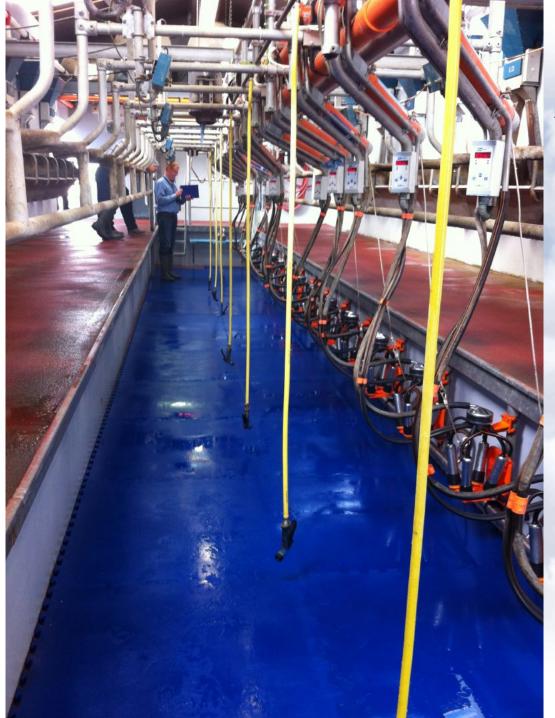
concerns that the milk travelling north could be contaminated after being transported in non-specialis equipment, there is also the issue of traceability. Ultimately, the rep tation of the dairy industries north and south is at stake.

Over quota

At the end of October 2013 the Republic was 0.9% over quota; this is

Food Grade Containers???





Hygiene, Animal Health & SCC



Are we using accredited Laboratories?





What is the real health status of our national herd?



IBR BVD Leptosporosis Salmonella Neospora Johne's



The Food Chain?



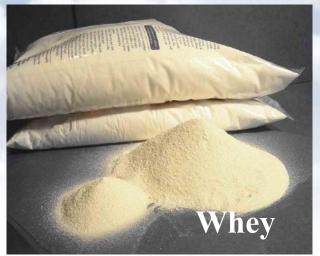
Traceability to the farm?











The Real Global Food Chain



Precisely tracing milk & ingredients impossible

Could you find a needle a bale of hay in a field to prevent a cow choking on it?







The same occurs in food recalls making them extremely costly so the emphasis has to be on prevention

Safe Feed is Essential



Globally Sourced Feed



ARSENIC CONTAMINATION





Getting a representative sample ??



How many 25gm samples to deem this shipment safe?

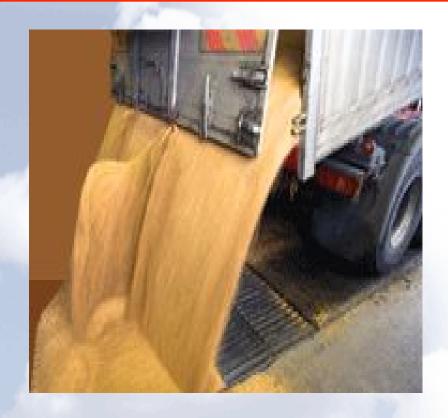


Risk Based Sampling



Issue: bio refineries rather than breweries





Distilled Dried Grains from Biofuels?

Harmful residues?

Culture?

By-products of Bio diesel production and Recycled "Waste" oil Culture?



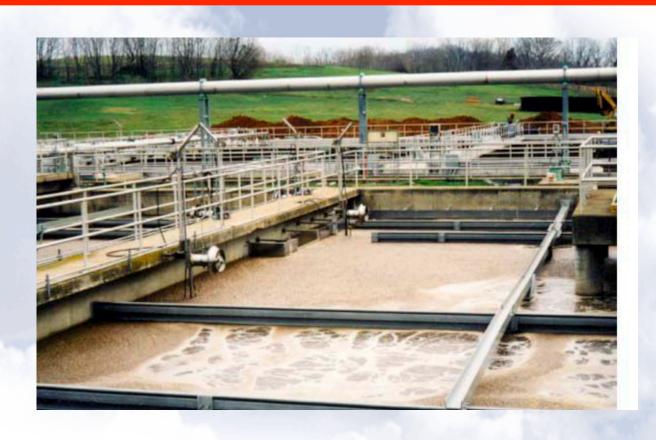


Issue: "Recycled human food"



Legitimate use if properly handled

Issue: Sludge-Residues?



Issue:-On Farm mixing



Or **Industrial** scale mill

Feed Safety Quality Assurance Systems



Equivalence and common understanding improves safety.

It wasn't us!
It was one of
our
suppliers!

"Explain to our viewers why you sold contaminated product?



Your brand is as secure as the standards of your weakest supplier

Ask yourself one question every day?



..would you TRUST your suppliers to pack your parachute?

Who are your key staff?



Asset or liability?

Early Warning

Would you share your results with your competitors?

Industry sharing results of audits & private testing with each other and with the regulators

"It's a matter of trust"

Frozen blocks of "beef" trim?



Identified in imported Polish beef trim by one Irish company 6 months before the Crisis

Did they alert their competitors or the regulators? NO

Efficent Production?



Factory Farming?

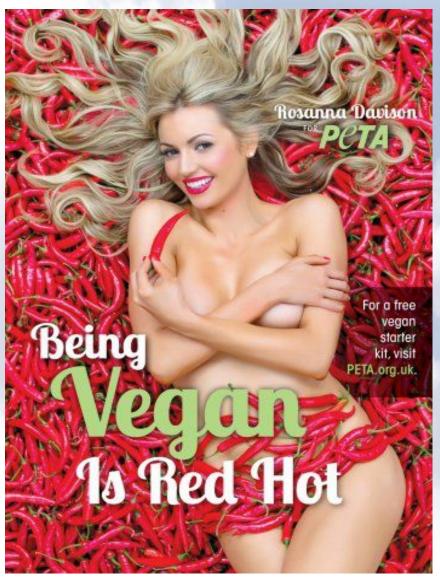


Animal Welfare

>"small is good and big is evil"

>it's not the size of the farm, but the way that it is managed, that is important.

Animal Welfare





What your "future customers are watching!



Over 7,500,000 hits in 8 weeks

Antibiotics

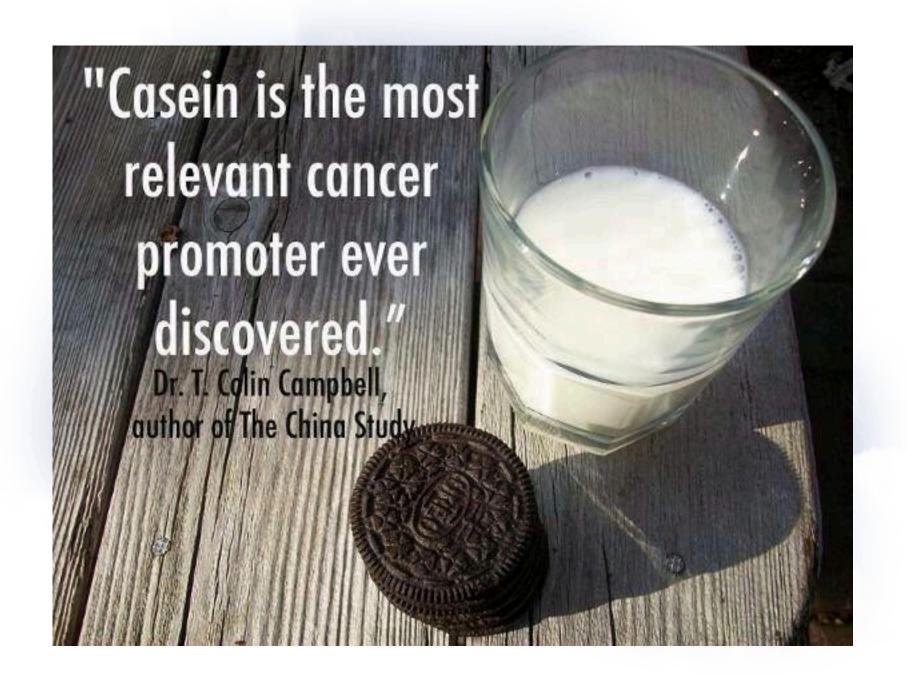


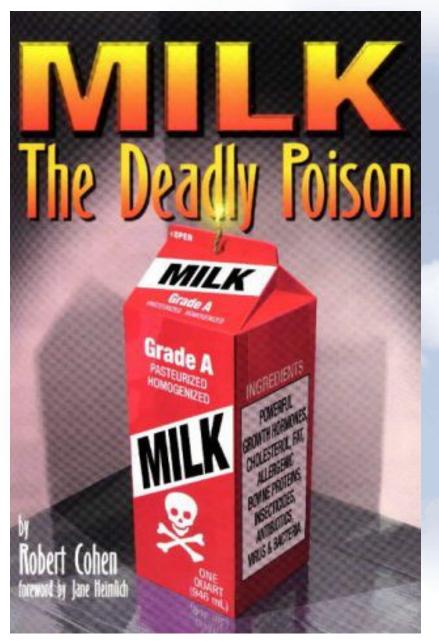
To ASSIST Good Husbandry - NOT Replace It...

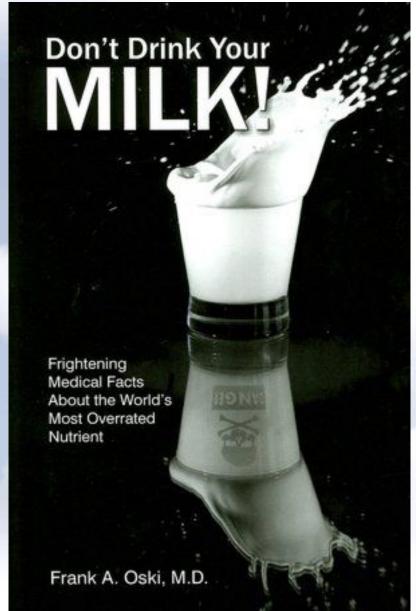
Connecting with your customers

















The truth about

and it's not the Methane!

Cheese is unhealthy food for kids??



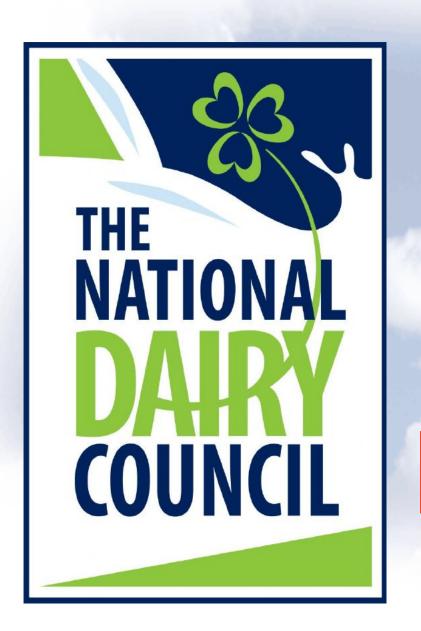




Allergies?







Genetics

Modify the composition of the milk by the genetics of the cow and the rations fed

Cow Nutrition

Advanced animal nutrition for improve food conversion efficiency and milk yield



Now advanced animal nutrition for the benefit of human health

Life stage nutritional needs: No one diet for all ages



Life Stage Nutrition: What about humans?

- >From babies to grandparents
- >From active lifestyles to sedentary lifestyles
- > Males and females
- >Identical nutritional requirements????

Infant Nutrition



Rapidly growing Children







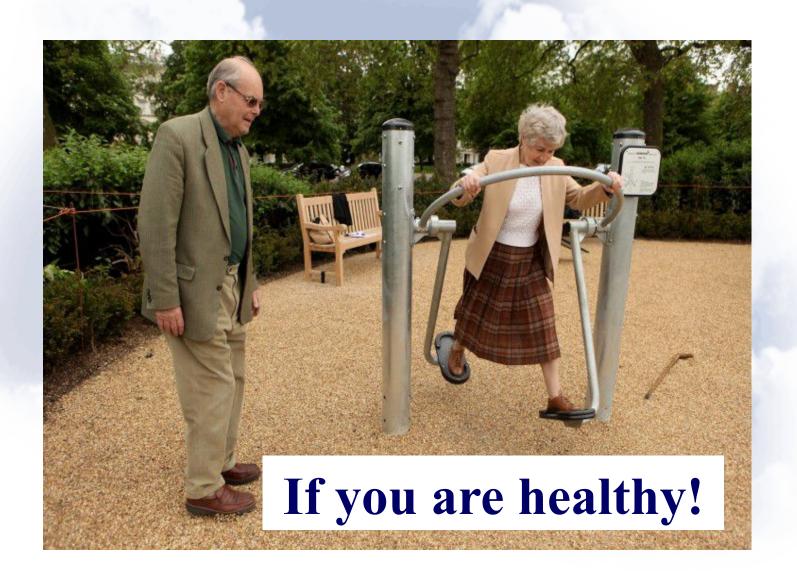


Bone Mass is a key determinant of Fracture risk

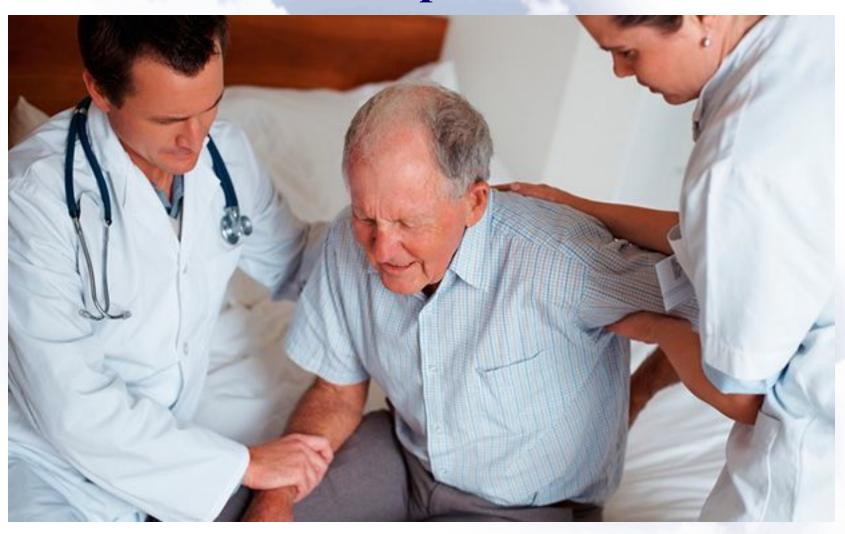




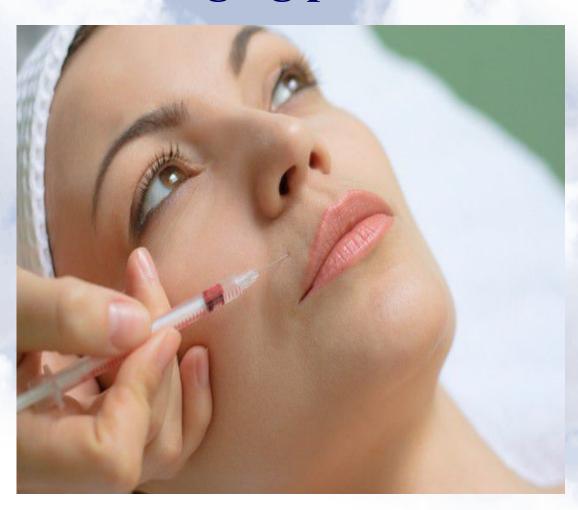
Old age can be a great time...



Loosing muscle mass as you age:"Sarcopenia"

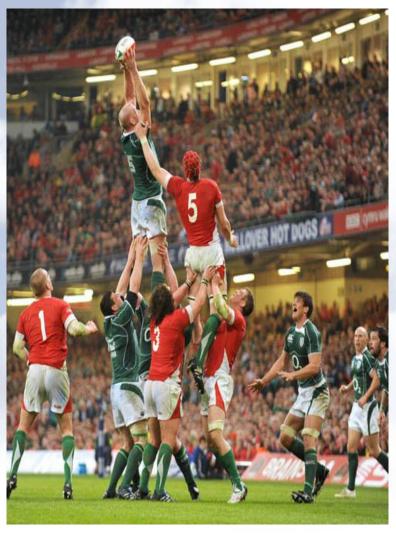


We have a product that can slow down the aging process



Bio-available protein:-





Whey





Nutrition in the Elderly...



60 is the new 30!



90 is the new 60!

Media amplifying risk....

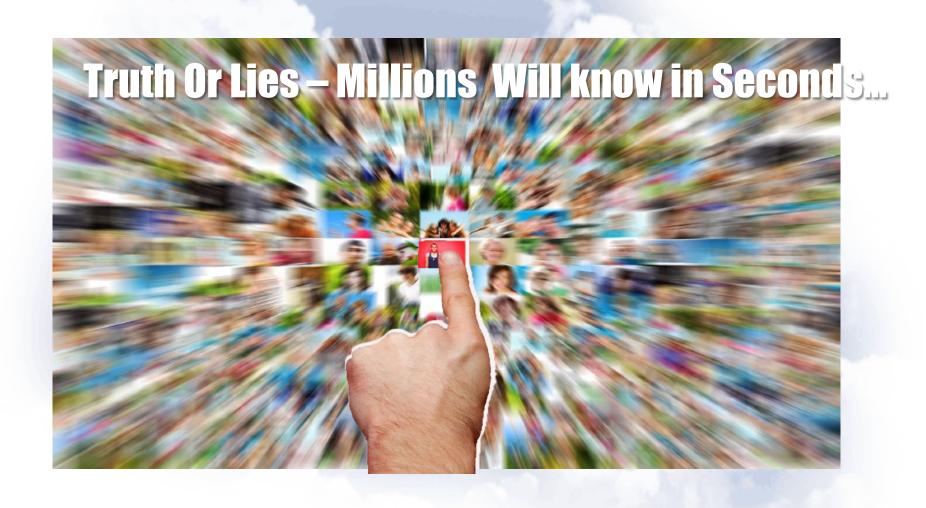
Deadly Pesticides in infant formula



Dramatic increase in Milk Allergies



Social Media



Fill that space with SOMETHING!!!



Producer

Journalist

Is it more important to be first with the story that to be 100% correct?

2011 Bean sprouts outbreak

3,950 confirmed cases and 53 deaths

Spanish cucumbers were wrongly implicated



If a picture paints a thousand words, what could a YouTube Clip do?





2012- lean finely textured beef – mechanically deboned

"Lean Finely Textured Beef"



Perfectly legal:- but media killed off the entire industry

2012

Toxic chemical in meat:- Ammonium hydroxide



- TV chef was disgusted to discover ammonium hydroxide was being used by McDonald's to convert fatty beef offcuts into a beef filler for burgers
- 'Why would any sensible human being want to put ammonia-filled meat into their children's mouths? asked Jamie Oliver
- McDonald's denies its hand had been forced by TV campaign

"It is too late to build the Arc when you here the Thunder!"



Farmers are the first step in the food chain



Irish Farmers are different



Final take home message



Human Health