If you do not like bacteria, you are on the wrong planet. This is the planet of bacteria. Craig Venter



Distributor Meeting VIV 2014 Amersfoot - May 21, 2014

Sisyphus and The Rolling Stones

Trekking
the "insights"
around formalin
(always at a ... safe distance!)





In This Section •

Broilers

Hatchery

Nutrition

Biosecurity

SUBMIT A QUESTION

Ask The Expert

for? Send us a questi

even feature your qui

8 Steps to a Complete House Clean Out

Cobb takes a comprehensive, proactive approach to biosecurity by creating a safe and healthy environment for our birds and our employees in every facet of our business. Part of what makes Cobb's biosecurity program unique is the House Clean Out (HCO) process

is and disinfects every single surface in the e takes samples from the house to ve been achieved. Follow Cobb's

Biosecurity

8 Steps to a Complete House Clean Out

Cobb takes a comprehensive, proactive a healthy environment for our birds and ou Part of what makes Cobh's biosecurity or



Cobb-Vantress @cobbvantress - 24 apr Our House Clean Out process takes 4-6 weeks to complete. Just one more #biosecurity is part of everything we do bit.ly/1pr6wyQ

♠ Risposta €3 Retweet ★ Preferito •





Why no detergent is recommended?

ing solution to flush pi e sure that all trace ture use of live vaccines.

efore placing the next to removed as it can impa

Prevent Insects and Rodents. Apply insecticide and rodenticide the inside and outside of the house and check all other vermin-control devices. Cobb farms are specifically designed to ward off vermin; they are built out in the open and have no plants around the perimeter (Technical Focus, n. 8-9).

Furnigate. Use a formaldehyde mixture to create another layer of pest. et be carried out under a very specific environment more than 48 hours before flock placement. Replace equipment, put down new bedding material and fumigate again before house is re-stocked.

Test. Collect swabs from interior and exterior surfaces and analyze in e lab to make sure bacteria has been removed before introducing ther flock. Cobb takes at least 22 swabs from each house to t in bacteria such as salmonella.

> start to finish, takes about four to six we of extra work, but it's an im-



Unitec Srl @UnitecItalia

One remark only @cobbvantress: safer alternatives than formalin are now available for volume #disinfection, eg FUMAGRI HA (4% glycolic acid)

Visualizza traduzione

♣ Risposta

Elimina

Preferito

Altro

22:38 - 24 apr 2014

Rispondi a @cobbvantress



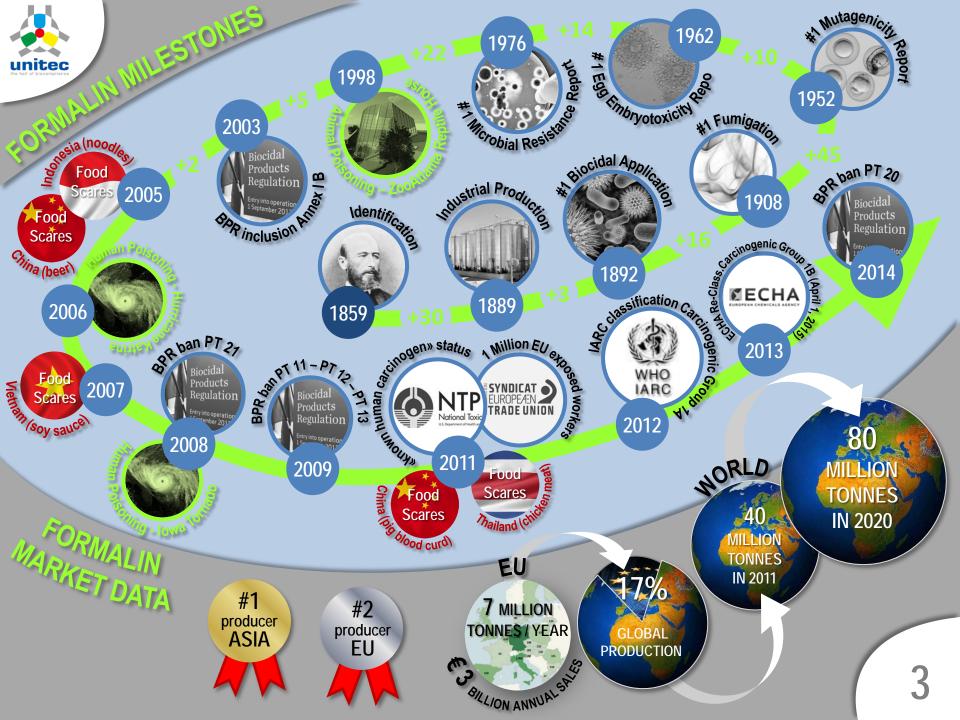
Cobb-Vantress @cobbvantress - 24 apr

Thanks for your comment @UnitecItalia. We always appreciate the feedback

Dettagli

♠ Risposta ★ Retweet ★ Preferito · Altro









SOURCES



Gap in **Cognitive Toolkit**

OPERATING CONDITIONS

C&D Programme, T °C, % RH, dilution rate

APPLICATION PLANNING

Contact (12H) Time + Ventilation (24H) Time

PRODUCT STORAGE

Packaging/Temperature/Oxidisers/Disposal

EMISSION MAXIMUM LIMIT

In 2009 from 1.5 g/m3 to 0.5 g/m3/ TYCHEM® SAFETY APPAREL

EFFICACY

Limited virucidal spectrum (IAH, 2011 – high soil conditions)

ALTERNATIVE REPLACEMENT TESTS

Biological indicators (eg. Geobacillus stearothermophilus, Geobacillus atropeus, Clostridum difficile)

Target Animal **Application**





Adverse Effects

1962 - Embryotoxicity 1995 - Reduction motility tracheal cilia 1996 - Risks relating to eggshell vapour passage 1999 – Embryos long term exposure reduced feed intake/conversion in farm

2012 - severe irritation interdigital skin/sting stimulus (formalin 1:20)







2005 - Toxicity increased by biofilm 2012 - Unpaired respiratory

metabolism

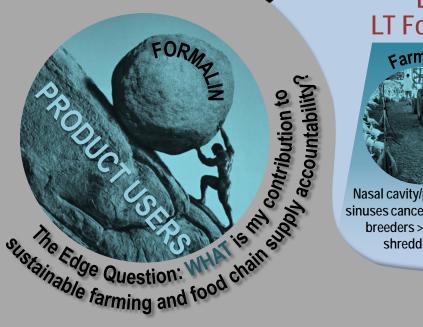
2012 - Impact on spawning and egg hatchability

Labour Risks



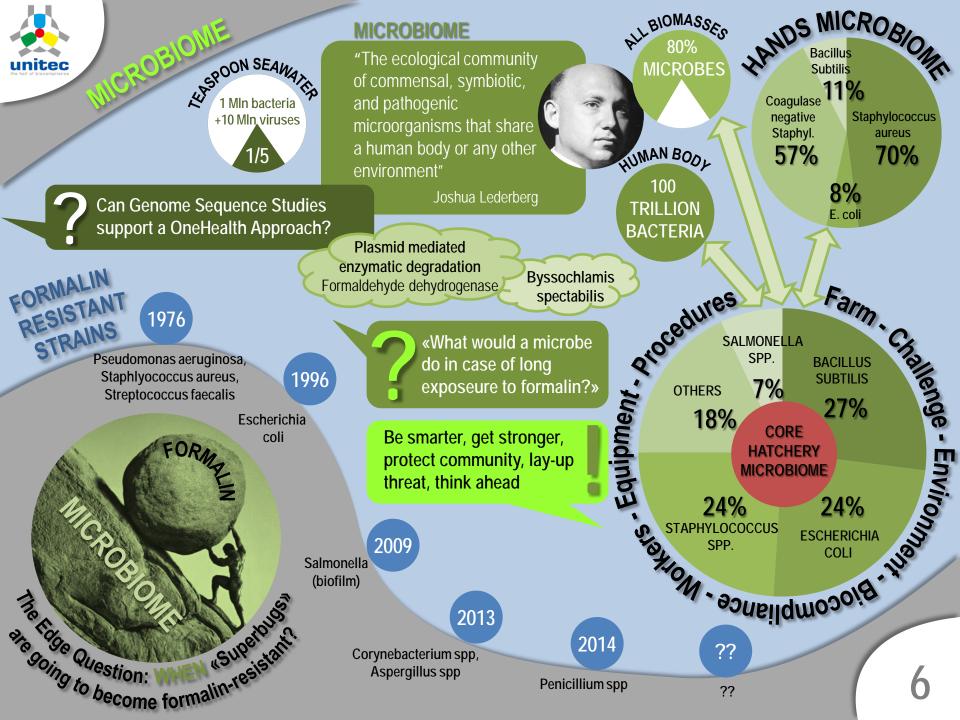
Nasal cavity/paranasal sinuses cancer in poultry breeders >> wood shreddings

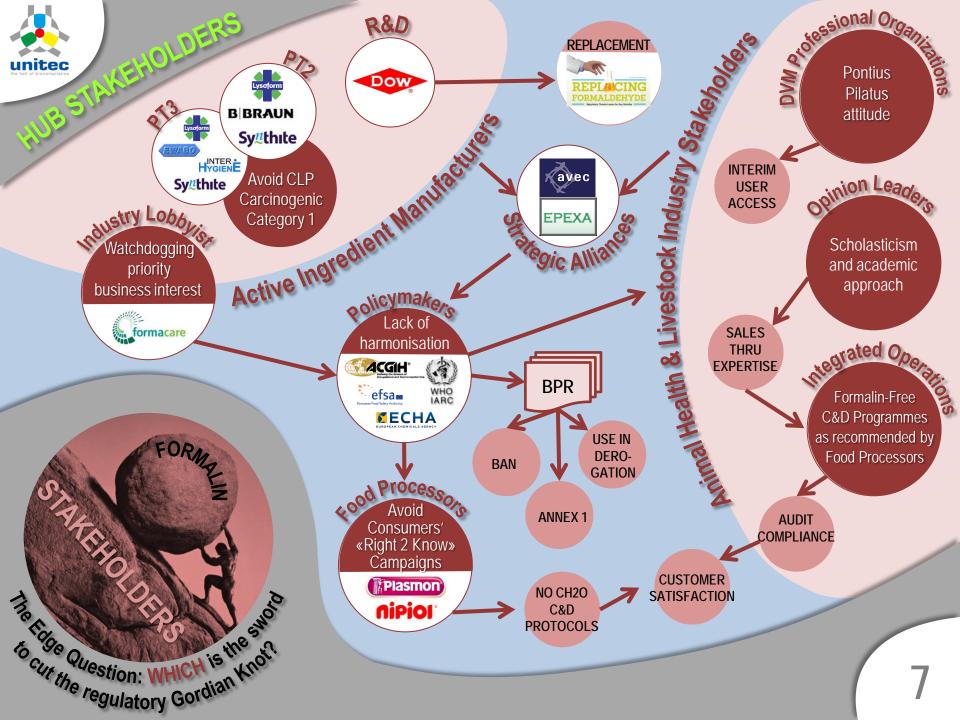
US Survey 40%+ Zoo Vets #4 professional illness (1998)



LT Formalin Exposure

Practitione STRAIGHT THE JOATE







Cigarette smoke contains more than 4,800 chemicals, 69 of which are known carcinogens.

CANCER-CAUSING CHEMICALS

Formaldehyde, Benzene, Polonium 210, Vinyl Chloride

TOXIC METALS

Chromium, Arsenic, Lead, Cadmium

POISONOUS GASES

Carbon Monoxide, Ammonia, Hydrogen Cyanide, Butane, Toluene

AND MORE NASTY CHEMICALS

Acetone, Acetic Acid, Hexamine Napthalene, Methanol, Nicotine, Tar

WHAT'S IN A CIGARETTE?







Thelma Angelia **Ferguson**

- ★ May 3, 1954
- **+** May 22, 2012



FORMALDEHYDE, 37% SOLUTION

POISON!

Potential cancer hazard. Exercise due c not get in eyes, on skin, or on clothing container. Use with adequate ve



way from heat, sparks, and flame. Do eathing vapor. Keep in tightly closed ash thoroughly after handling.

PRECAUTIONARY STATEMENTS: Vapors may be irritating to skin, eyes, nose, and throat Inhalation may cause severe irritation of the respiratory system. Contact with skin or eyes may cause severe irritation or burns. Ingestion may cause severe burning to mouth and stomach.

FIRST AID PROCEDURES: If swallowed, if conscious, give large amounts of water. Induce vomiting. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes with plenty of water for all least 15 minutes. Flush skin with water.

Consult MSDS for further health and safety information.

CAS NO. [50-00-0

Marc Weisskopf, Ph.D.



Source: www.youtube.com/watch?v=_wpfzSfnEeW

The Edge Question: How many more Angies are on the way?



WHAT

Efficacy
Assessment Tools
Field Technical Support
Case Study
Success Stories

WHY

Increased Focus on Livestock Production Model One Health MegaTrend

WHO

Smart Targeting
Stakeholders clusters
segmented by critical
mass, credibility,
influences, visibility

Across the board over the whole food supply chain

Both

Brick-and-Mortar and Social Media

HOW

Projective Thinking
Capacity Building
Promoting
Scientific Lifestyle
Teamworking

HEN

Worst case scenario BPR derogation (PT2/PT3/PT22)

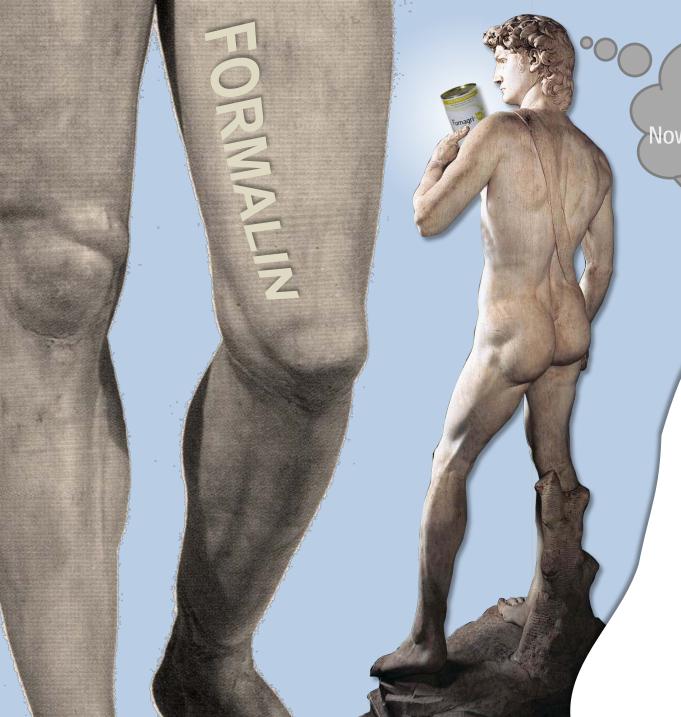
No "safer" replacement eligible for use in food chain

I keep six honest serving-men (They taught me all I knew); Their names are What and Why and When and How and Where and Who.

> Rudyard Kipling The Elephant's Child



Poor Can a craddle-to-craddle next (Generation Next)



GOSH!
Goliath Formalin!!!
MAYDAY! ... MAYDAY!
Now it's time for Fumagri® HA
in my sling!



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