

31st Marine Forum
Kievitskroon, South Africa

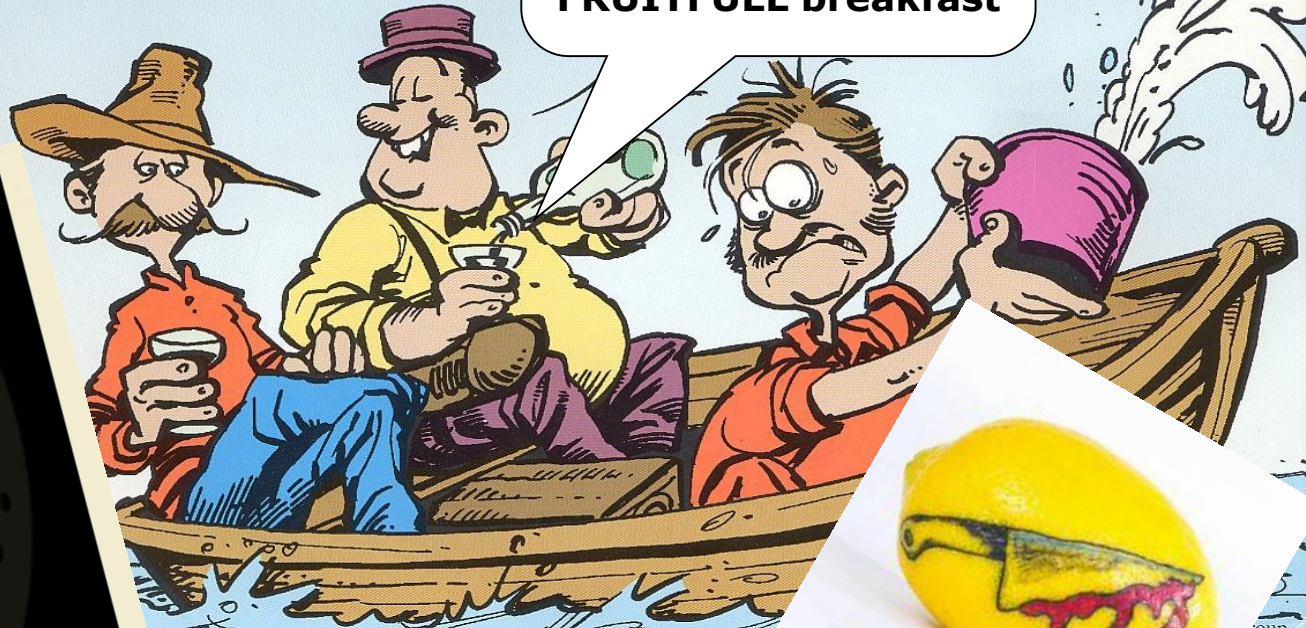
A stylized globe graphic composed of a grid of small blue dots, centered behind the main title text. The globe is semi-transparent and has a light blue glow.

Insuring perishables, a challenge!

Johan Van der Meirsch
Manager Marine Department
DP SURVEY GROUP, Belgium

The 31st Marine Forum South Africa

Thank goodness the hole is on Dave's side of the boat, I hope he had a **FRUITFULL** breakfast



Two green apples are shown, one above the other, with a soft shadow cast by the top apple onto the bottom one. The apples are the central focus of the slide.

**INSURING
PERISHABLES
A CHALLENGE!**

Insuring perishables, a challenge !

- Pre shipment / Origin
 - Quality / plantation
 - Black spot / sanctions
 - PPECB / cold treatment
- Transportation
 - Containerized cargo / technical problems / delay
 - Conventional reefer vessels
- Reefer warehouses
 - Cross contamination
 - Technical breakdown
- Destination
 - Consignee claims / Market situation
 - Local phytosanitary legislation

Insuring perishables, a challenge !

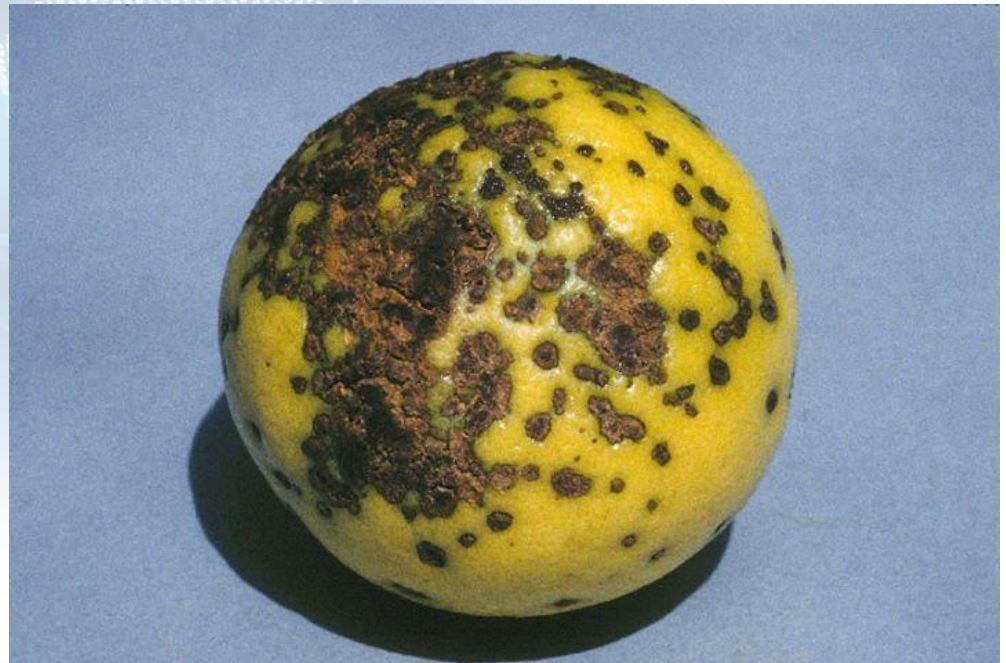
- Pre shipment / Origin
 - Quality / plantation



Insuring perishables, a challenge !

CBS: CITRUS BLACK SPOT (picture of the fungus)

- Disease / fungus
- Region
- Cost
- Sanctions
- Protectionism Spain? – difference in testing results per country



Insuring perishables, a challenge !

- PPECB
- Perishable Product Export Control Board
 - Independent
 - Mandated / accredited DAFF and EU
- 4 Service Fields
 - Product inspection
 - Food safety
 - Cold Chain management
 - Laboratory



PPECB

Insuring perishables, a challenge!

Cold steri / cold treatment

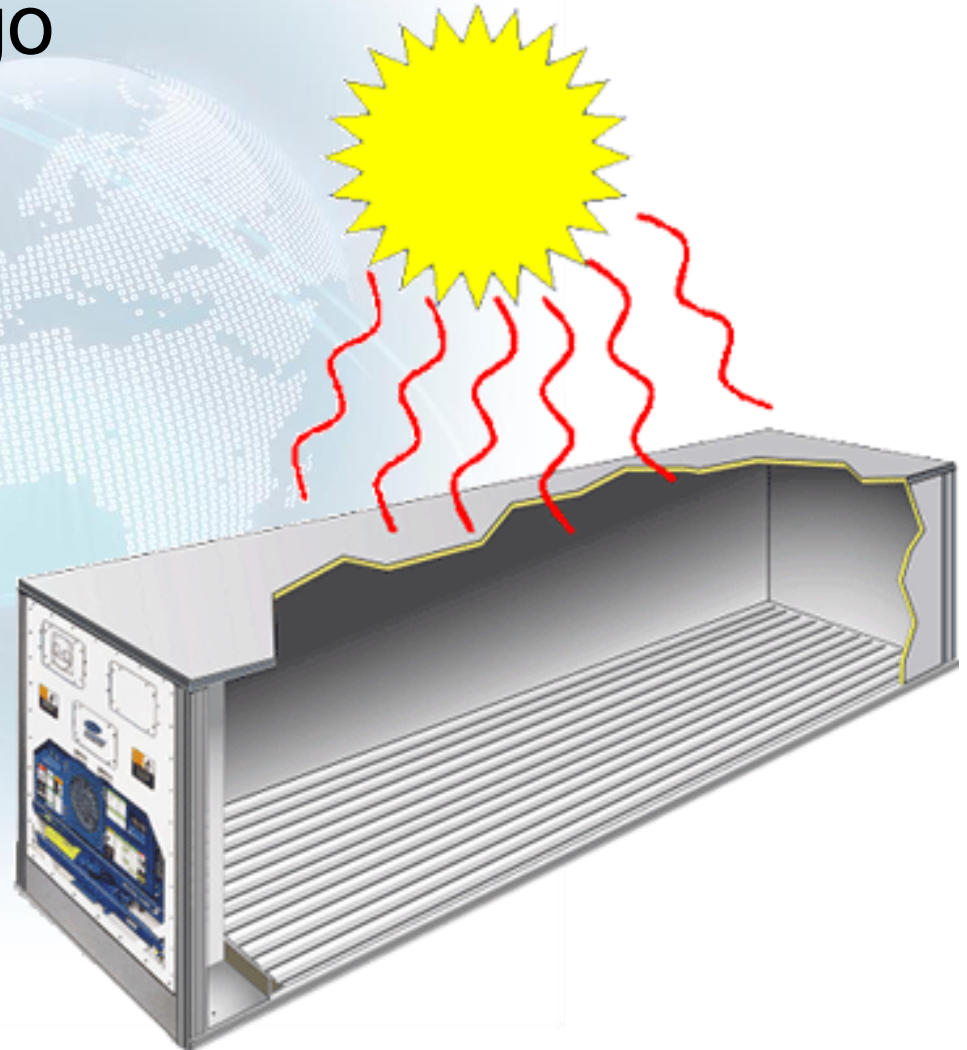
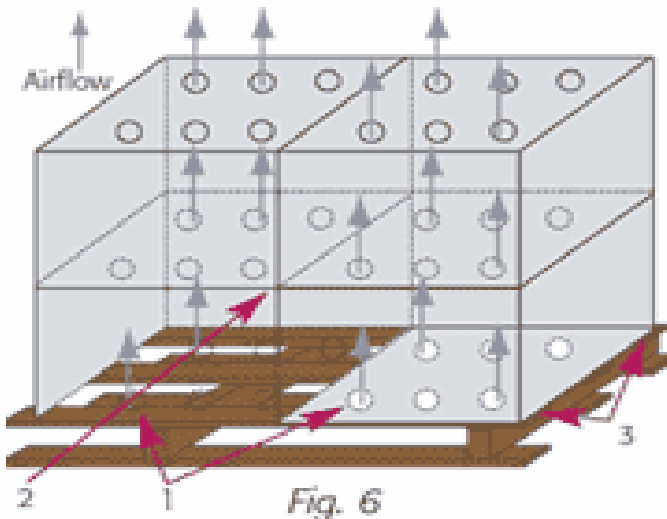
- Eliminate pests
- Reduce transport temperature during certain time
- Inspection at origin and destination
- Problems:
 - Different legislations per destination / different temperature settings
 - required temperature
 - (-0,27°C for 24 days) / not above 1,11°C
 - Spikes – 8 hours additional cooling
 - What about delays / cargo damage?
 - Extra costs / repalletisation



Insuring perishables, a challenge!

- Containerized cargo
 - Packing
 - Pre cooling cargo

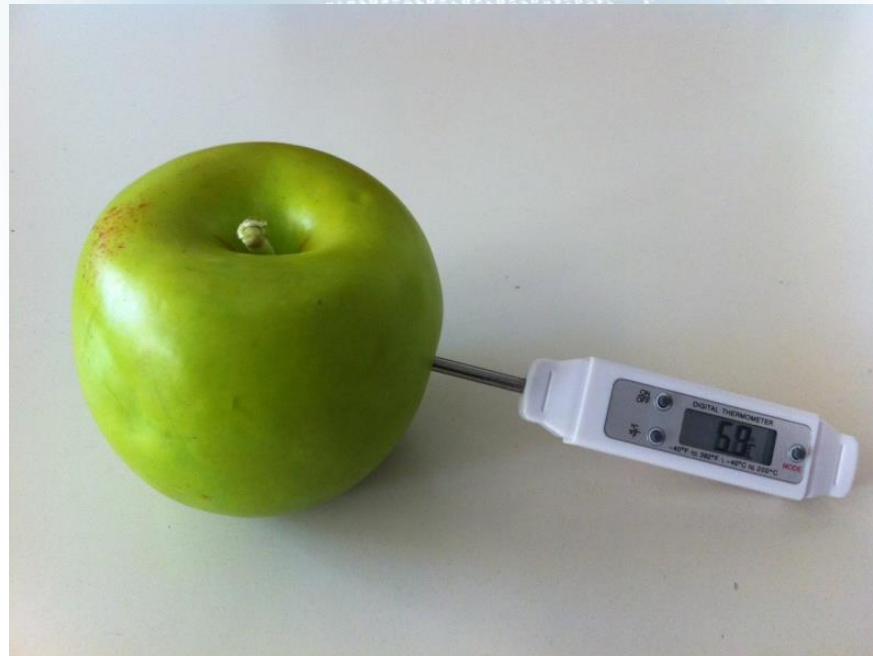
1. Carton alignment for unrestricted airflow
2. Strength of cartons in the corners
3. Corners of cartons supported



Insuring perishables, a challenge!

- Temperature

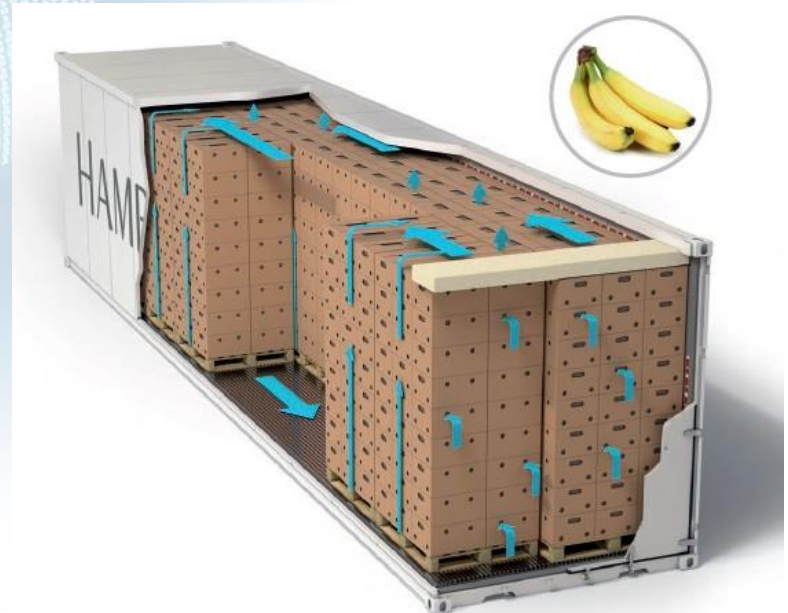
- Each commodity requires different temperature and ventilation settings
- Combination / Contradiction with Cold Steri requirements



Insuring perishables, a challenge!

- Different types of containers

- Conventional reefer container (20' / 40' / 40'HC)
- Star Care
- QUEST I & QUEST II
- Starfresh
- MA (modified air)
- AFAM (Automated Fresh Air Management)
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Insuring perishables, a challenge!



Insuring perishables, a challenge!



Insuring perishables, a challenge!



Insuring perishables, a challenge!

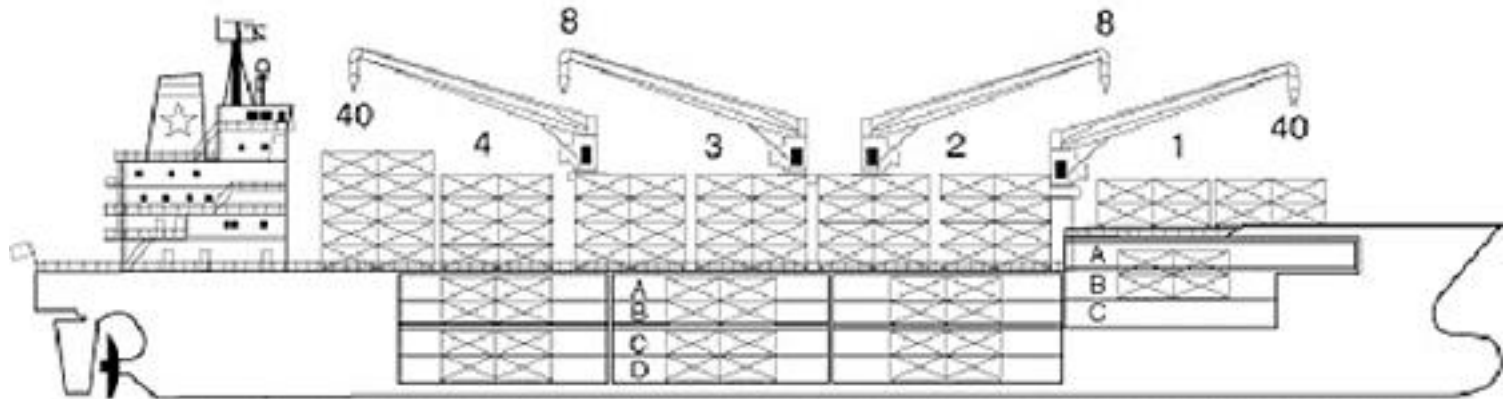


Insuring perishables, a challenge!

- Reefer vessels



Insuring perishables, a challenge!



Insuring perishables, a challenge!



Insuring perishables, a challenge!

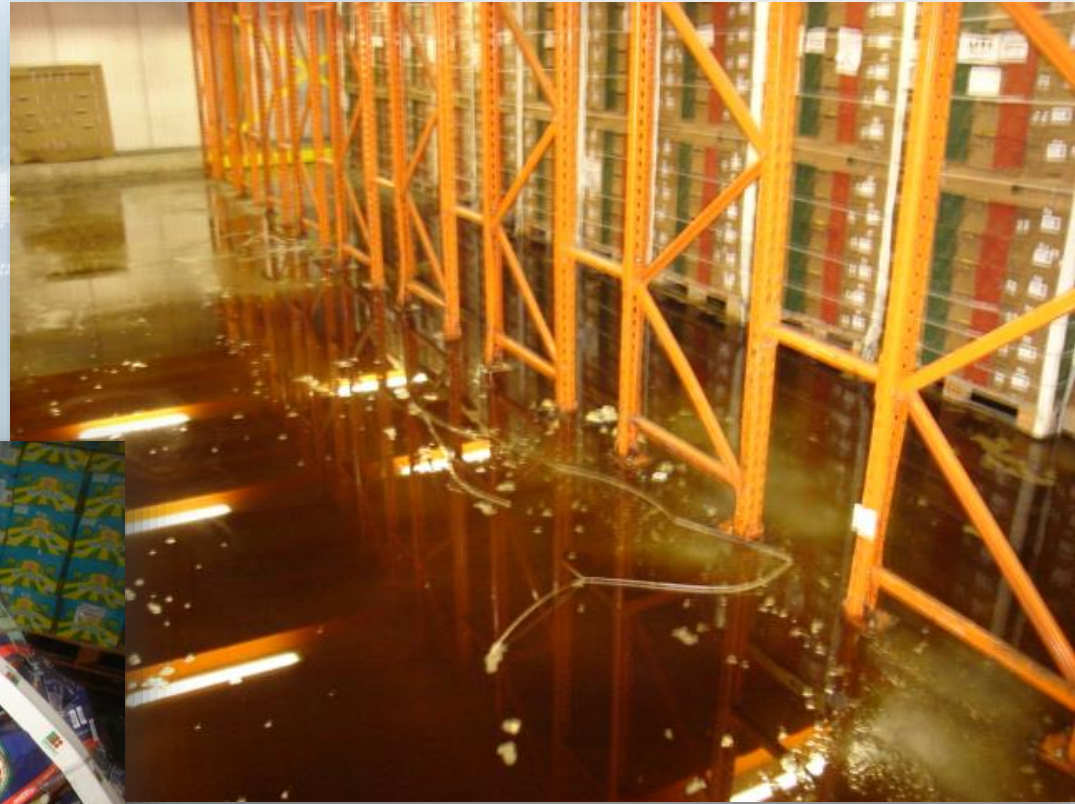


Insuring perishables, a challenge!

- Reefer warehouses
 - Technical breakdown cooling
 - Automated warehouses / 11,000 pallets
 - Cross contamination cargo
 - Fuel
 - Mould



Insuring perishables, a challenge!



Insuring perishables, a challenge!



Insuring perishables, a challenge!



Insuring perishables, a challenge!

- Commercial / customer claims
 - Delay in transport
 - Transport damage
 - Quality issues
 - Market situation



Insuring perishables, a challenge!

