Post-harvest Cold Chain R&D

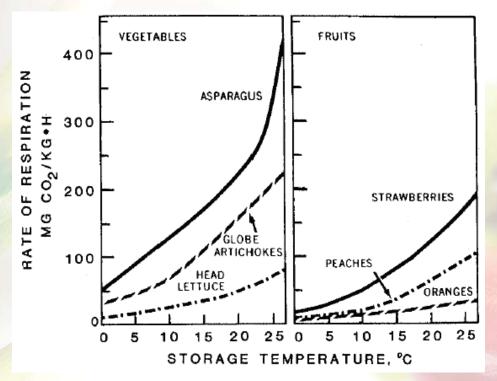
By
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Manager: R&D



professionalism · accountability · passion · integrity · confidence

Introduction

 Importance of post-harvest cooling for preservation of post-harvest fruit quality



(Hardenburg et al., 1986)

PPECB

your passport to international trade

Condensation on fruit

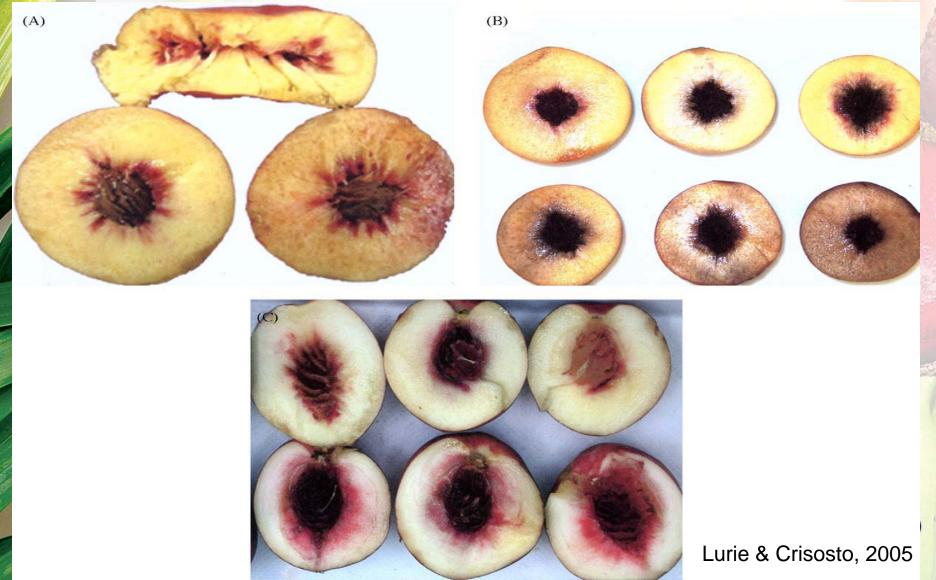


What could go wrong if gaps are not managed in the Cold Chain?





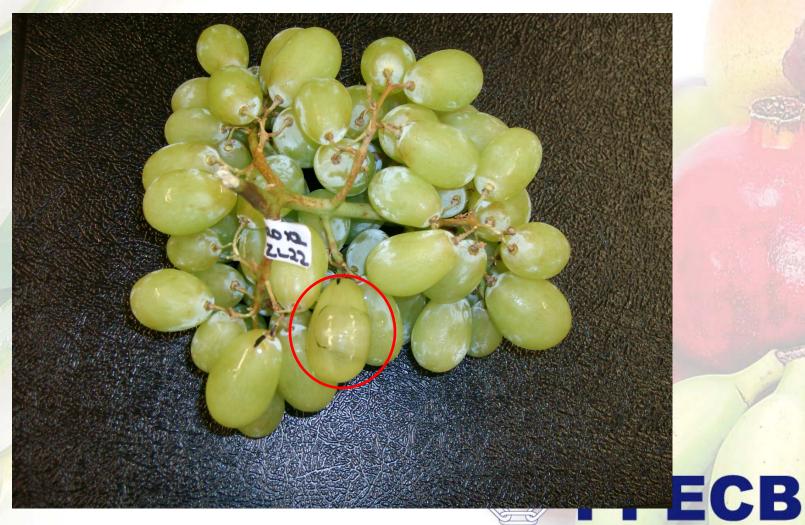
Chilling Injury on PE and NE



Stem dehydration and browning



SO2 damage/bleaching

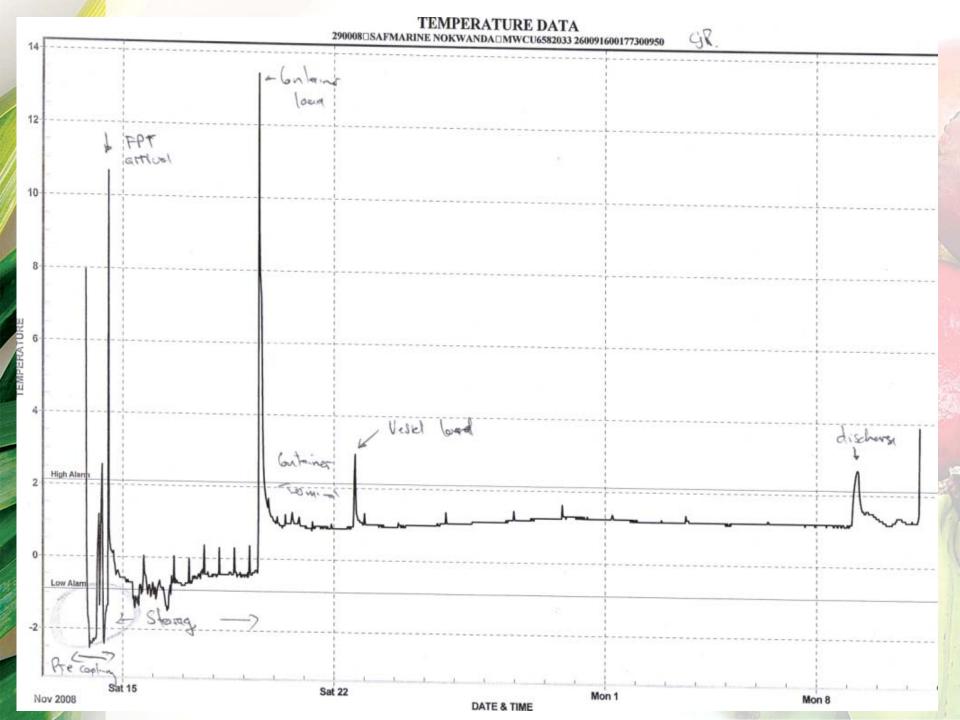


your passport to international trade

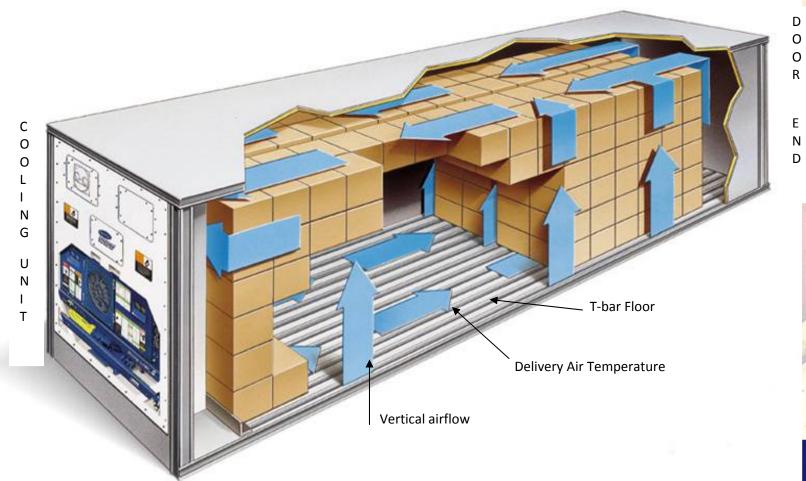


2...TYPICAL LOGISTICS OPERATION



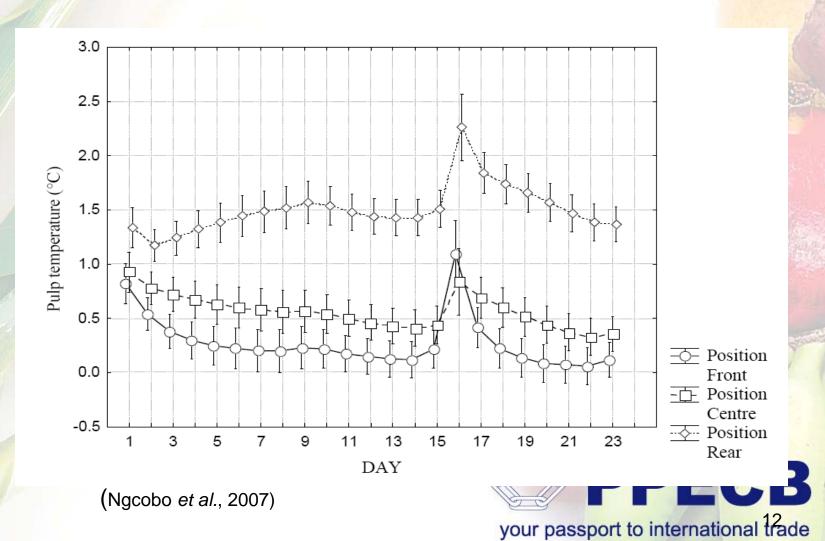


R&D projects

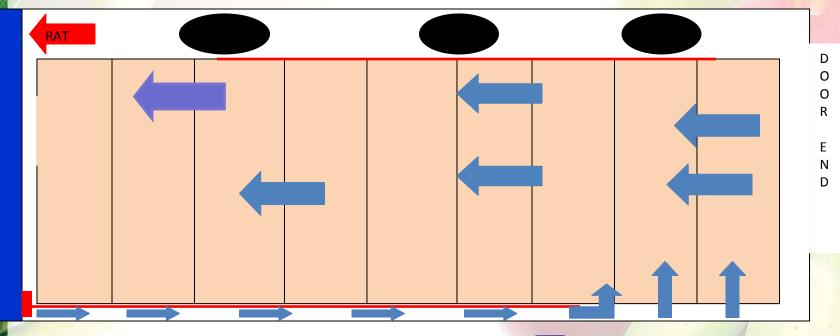


B

Pulp temperature distribution in 40' reefer container



HAF technology





Current projects

- Possibility of shipping Fynbos via sea freight
- Development of pomegranate post-harvest handling protocols and shipping recipe's
- Alternative methodology within the cold chain audit based approach



Communication Plan

- Publications in scientific journals
- Publications in fruit journals
- Presentations in national and international symposia
- Presentation in industry workshops
- Participation in TES



THANK YOU

