

# Trinidad and Tobago Virtual Investment Forum

Agro-Processing Opportunities in Trinidad and Tobago

## ADVANCED AGTECH FOOD PRODUCTION

## DRIVING AGRICULTURE-PROCESSING OPPORTUNITIES IN TRINIDAD & TOBAGO







***“Growing new categories of specialty crops locally through advanced Agtech, can lead to numerous downstream agri-processing opportunities for local consumption and export, which can ultimately reduce our local food import bill and create Forex stimulating export advantages.”***



# TT Case Study:

## The Simple Strawberry

*A 'luxury good' in high demand*



- ❖ Current **fresh** strawberry imports: +/- 60,000 lbs/month (domestic)
- ❖ Forex drain: Approximately US\$5mm/year (US sourced + shipping)
- ❖ Local commercial farm supply: 0
- ❖ Estimated 40-50mm lbs/year regional **frozen** berry imports

# TT Case Study:

## **The Simple Strawberry**

*Horticultural Limitations*

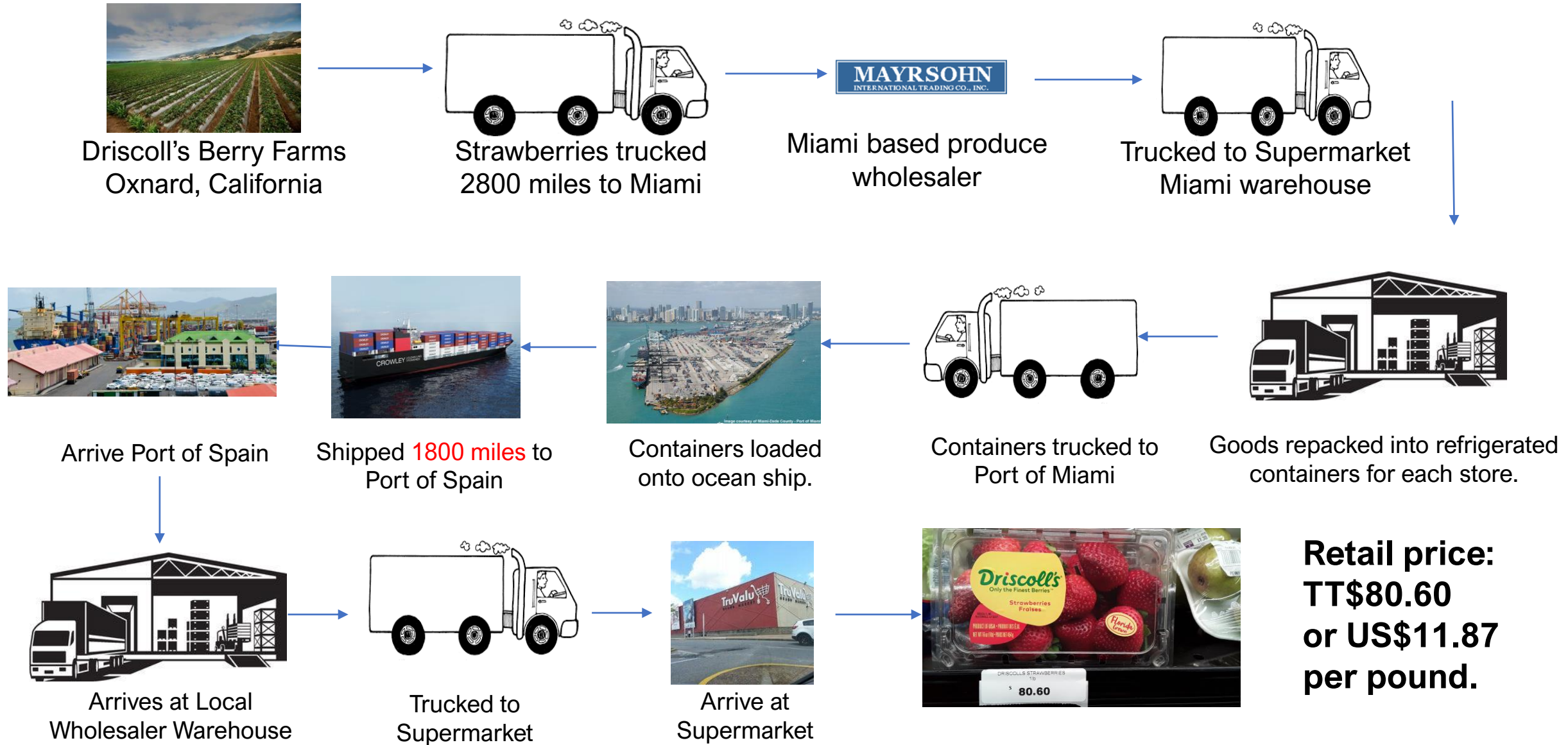


- ❖ Requires 'temperate' climate conditions to grow outdoors in volume
- ❖ Pestilence control and water supply a major challenge
- ❖ Commercial farms mainly in US and Canada supply TT imports



# Where Do Fresh Strawberries Exported to Trinidad Come From?

## The Transport Model and Impact on Local Prices





# TT Case Study:

## The Simple Strawberry

*One Solution*



- ❖ Employ advanced technology solutions through controlled environment agriculture
- ❖ Customized for sub-tropical weather conditions and ‘climate smart’
- ❖ Hydroponic system solutions to increase yields by +1000% and ensure year-round supply
- ❖ Energy and water efficient – limiting impact to natural resources. No need to use valuable arable land.

# TT Case Study: **The Simple Strawberry**

*One Solution – Local Production*  
*System production = 35,000lbs/month*



*100% climate resilient greenhouse systems*



*Advanced hydroponic production systems*



# TT Case Study: **The Simple Strawberry**



*Downstream agri-processing opportunities – all EXPORTABLE*



Jams and jellies



Frozen berries



Strawberry beers



Preserves



Bakery industry



Gourmet foods



Frozen products



Strawberry wine



Juices



# TT Case Study:

## The Simple Strawberry

### Scalability

*System production = 2.5mm lbs/year*



- ❖ Scalable to meet local market demand
- ❖ Rapid deployment
- ❖ Focused on export market
- ❖ Forex opportunities



# TT Case Study:

## What Other Imported Crops Can We Grow Locally?

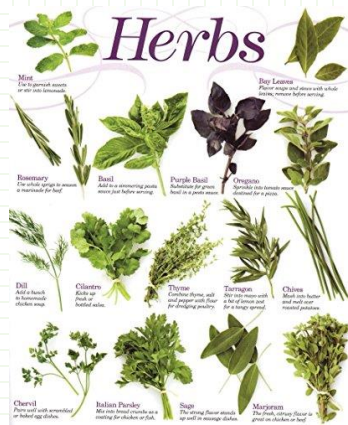
*Flexibility to grow all imported 'temperate' crop categories*



Premium tomatoes



Edible florals



Fresh herbs



Berry varieties



Gourmet peppers



Microgreens



Premium lettuces



# TT Agri-Processing Opportunities

*If we grow it at volume the agri-processing investment will follow.  
We have the land and the farmers to build export products*



Livestock feeds



Moringa pharma



Cocoa products



Frozen tropical fruits



Coconut coir



Preliminary Research Bamboo Products

Bamboo products



Hemp based products

# What we all want to solve:

## The opportunity for agri-processing in TT

Canadian grown  
imported sweet  
potato fries

Local retail price:  
TT\$27.00  
US\$4.00



Trinidad grown and  
processed sweet  
potato fries


Local retail price:  
TT\$44.50  
\$US6.60







# Thank you

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