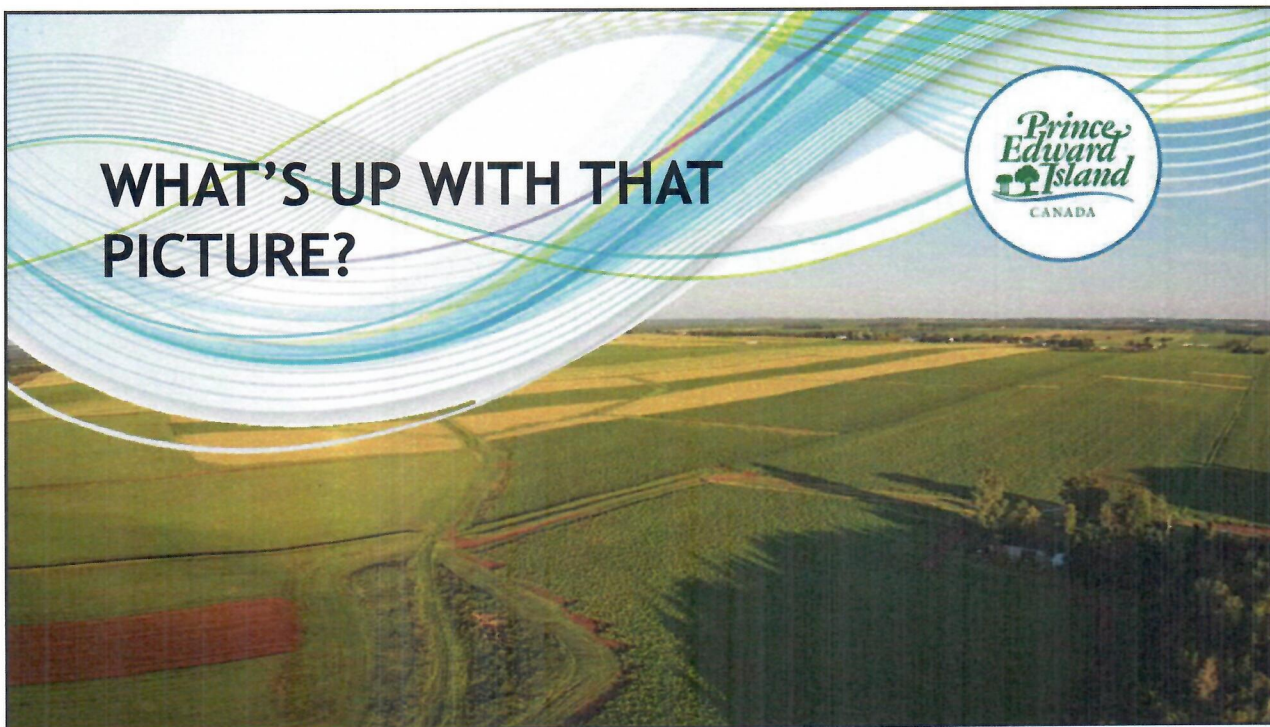




1



2

## To Do

- **Cheat Sheet**
- **Ask Questions Freely**
- **Have Fun**

3

## Background

Danny Doyle  
PEI Department of Agriculture for 22 years  
BSc in Agriculture from the Nova Scotia Agriculture College  
MBA from UPEI

4



5

## Tariffs

- **A Big Nothing Burger**

A black and white photograph showing a group of people, including men and women in formal attire, gathered around a table. In the center of the table is a large, detailed sculpture of an elephant's head. The scene appears to be an indoor event or a formal dinner. The photo is positioned in the bottom right corner of a white rectangular frame with decorative blue and yellow wavy lines at the bottom corners.

6

## Potatoes

- History of potato production dating back to the eighteenth century.
- Well suited to potato production
  - Generally well distributed rainfall,
  - length of growing season,
  - Soil structure.
- Cold winters with ground frost assist in the control of potato pests and diseases

7

## Uses of Potatoes

- Table use                    30%
- Processing                    60%
- Seed                            10% (Potato Wart)

8

## Growing Potatoes

- **Fully Work the soil**
- **Feed the crop**
- **Plant into a “hill”**
- **Control the controllables**
  - Weeds
  - Aphids
  - Disease
  - Blight

9

## Potato Wart – Less of an Issue

- **Still Here**
- **Seed potatoes from PEI can not move outside the province**
- **Control measures**
  - Soil sampling
  - Testing

10



11

## Barley

- Major cereal grain.
- Important uses:
  - Animal feed
  - Beer
- Rotation with Potatoes



12

# Malting Barley

- **2 Malting Companies**

- Island Malt House
  - New Glasgow
- Shoreline Malting
  - Slemon Park



13



14

## Wheat

- **Cereal Grain**
  - Winter Wheat
  - Spring Wheat
- **Animal Feed**
- **Bread**
- **Beer**
- **Other uses**
  - Straw
  - Silage for cattle



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## Soybeans

- **Legume**
- **Many uses**
  - Animal Feed
  - Oil
  - Meal



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## Canola

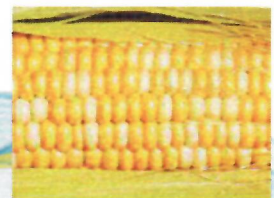
- **Grown for oil**
  - Meal is used in animal feed
- **Trade issues**
  - Acreage up in the air



17

## Corn

- **Ever growing acreage**
- **Animal Feed**
  - Silage
  - High moisture
  - Dry corn
- **Sweet corn**



18



19

## Combines

- **Used to harvest many crops**
  - Barley
  - Wheat
  - Soybeans
  - Corn
  - Canola

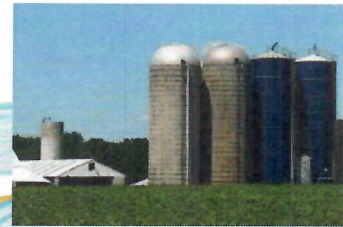


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## Storage

- **Options for Grains and Oil Seeds**

- Grain tanks
- Ag-bags
- Piles
- Silos



21

## Rutabaga

- Turnips
- Swedes
- Grown as a root vegetable
  - Yellow
  - White
- Pest control is an issue



22



23

## Cabbage

- **Small acreage**
- **Grown along with other horticulture crops**



24

## Carrots

- **Grown at field scale**
- **Many colours**
  - Purple
  - Red
  - White
  - Yellow
- **What is the orange carrot the most popular?**
- **Potato wart restrictions**



25

## Parsnip

- **Related to carrots**
- **Sweeter Flavor**
- **Niche crop**



26

## Onlons

- **An up-and-coming crop**
- **Several colors**
  - Yellow
  - Red
  - White



27

## Onlon Growing

- **Grown in rows**
- **Lifted out of the ground**
- **Allowed to dry on the top of the ground**
- **Picked up after a few weeks**
- **Stored similar to potatoes**






28



29

## Beef

- **Traditional agriculture**
  - Pasture
  - Grass and corn silage
  - Grain
  - Potatoes
  - Straw
- **Build soil**
  - Manure



30

## Beef Farms

- Cow / Calf



- Backgrounders



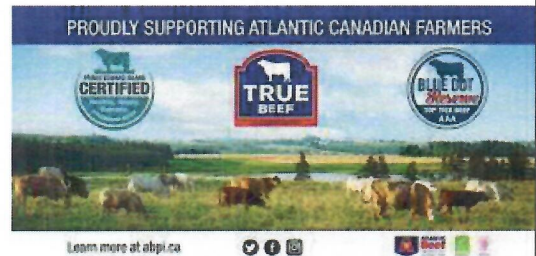
- Feedlot



31

## Atlantic Beef Products

- Federally Inspected Beef Plant
- Global Sales
  - USA
  - China
  - Japan
- Maritimes
- Healthy Happy Humane



32

# Sheep

- **Pasture based**
- **Lots of interest**
- **Many uses**
  - **Meat**
    - Northumberland
  - **Wool**
    - MacAuslands Woolen Mill
    - Soil amendment
  - **Breeding stock**



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# Pigs

- **A shadow of it's former self**
- **Markets in Quebec and locally**
- **Humane Pork Production**
  - Straw bedding
  - Fresh air
- **Prop 12 Pork Production**
  - California requirement
  - Interconnection of the pork industry



34

# The Handpie Company

- **Sarah Bennetto O'Brien**
  - Local ingredients
  - Traditional European recipe



- **Local Production in Almany**
- **Wholesale production on Borden**



35

## Dairy

- **Milk twice per day**
- **Type of barn**
  - Tie stall
  - Freestall
    - Parlour
    - Robot



36

## Dairy

- Milk twice per day
- Type of barn
  - Tie stall
  - Freestall
    - Parlour
    - Robot



37

## Dairy

- Parlour



38

# Dairy

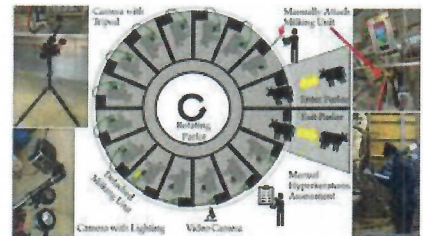
## • Robot



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# Dairy

## • Rotary Parlour



40

# Fromagerie PEI

- **Mont Carmel**
- **Squeak-ies Cheese Curds**
- Local milk
- Wonderful product



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## Blueberries

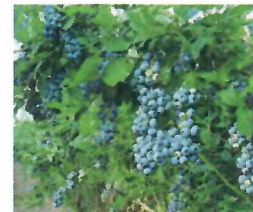
- **Vines produce fruit every 2 years**
  - Jasper Wyman and Son
  - Oxford Frozen Food
- **International markets**
- **Weak Prices**



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## High Bush Blueberries

- **Grow as a bush**
  - Eaten fresh
  - Export market
  - Off season to the major growing areas



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# Apples

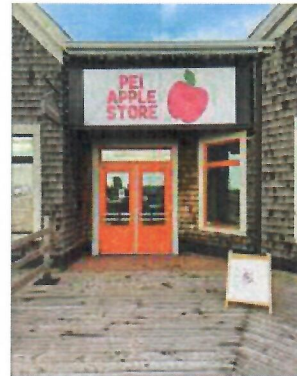
- **Move to high density dwarf apple trees**
  - Can be trained on wires
- **Popular varieties**
  - Honey Crisp
  - Gala
  - Ambrosia



45

# Red Shore Orchards




- U-Pick
- Apple juice
- Control Atmosphere Storage
- Orchard planting and Maintenance



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## Bees






- Important to blueberries and apples
- Lots of new entrants
  - Hobby Levels
  - Larger farmer retiring



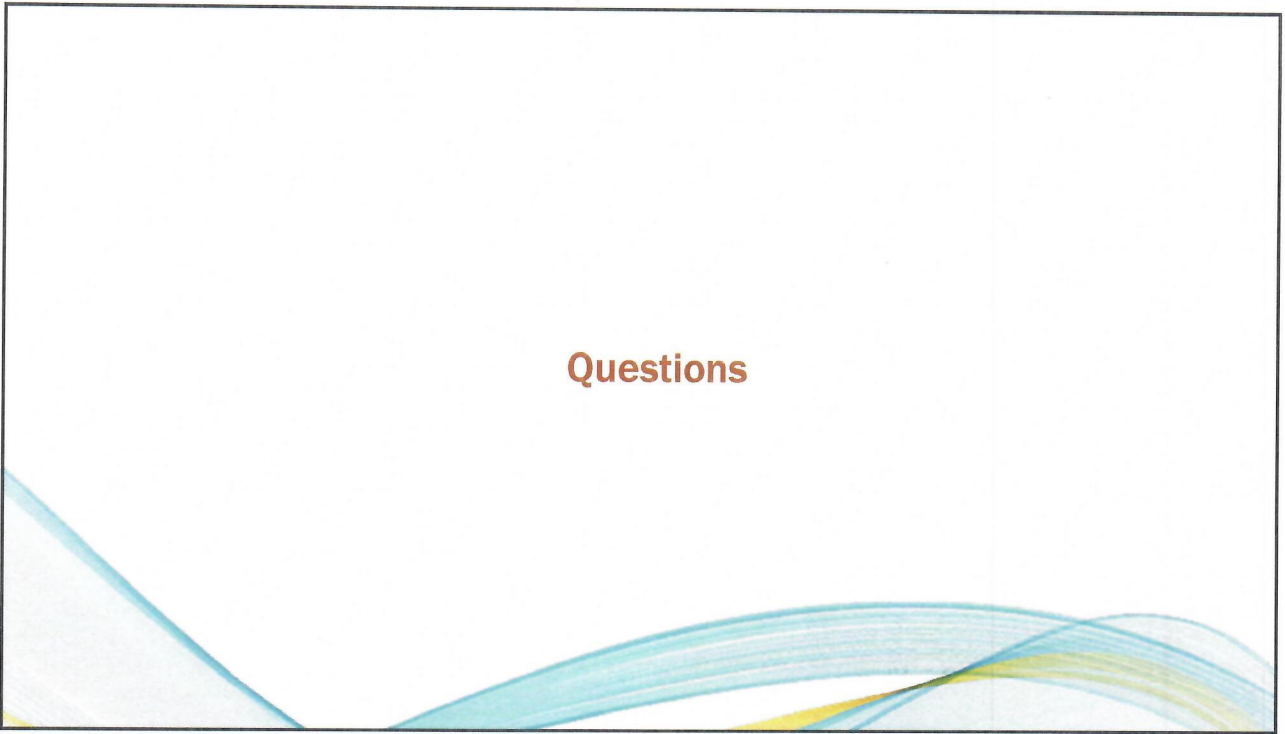
47

## The Others

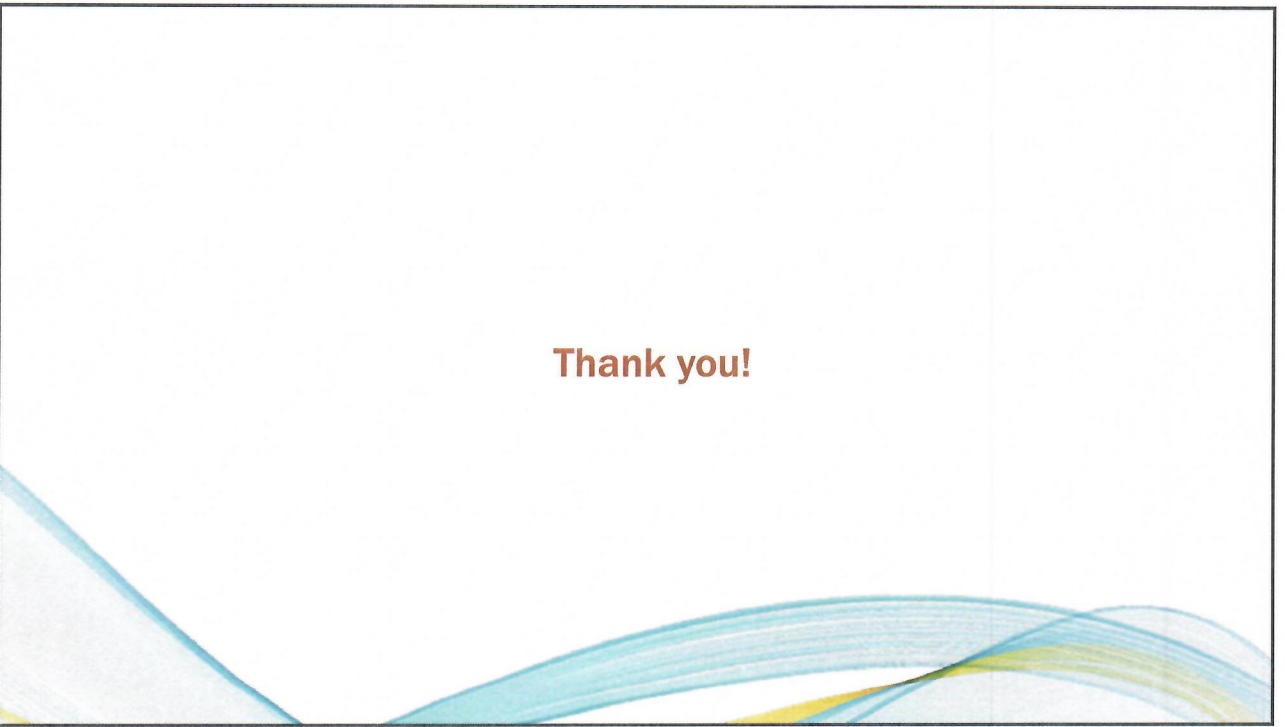
- Hazelnuts
- Strawberries
- Hops
- Cranberries
- Marijuana



48



49



50