

# ***GENESIS AGRI PRODUCTS***

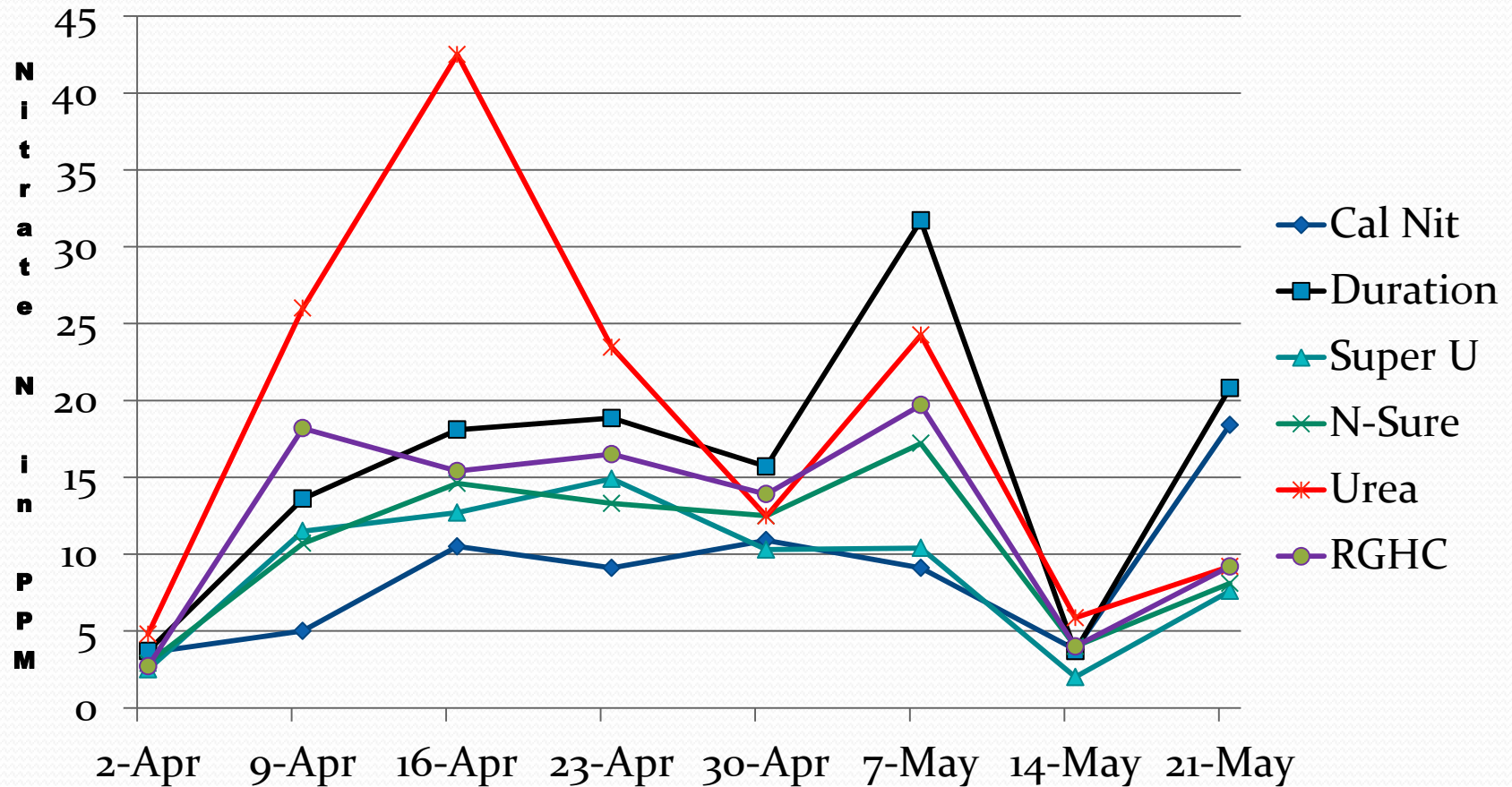
**2013 Fertilizer Research Report**



# **Nitrate Release Dalles Port**

- **Sandy Soil ( CEC 8)**
- **Replicated trials on 4<sup>th</sup> leaf Gala**
- **All Products applied as 40 units of nitrogen per acre**
- **12 inch deep samples**
- **Checked for nitrate nitrogen release**

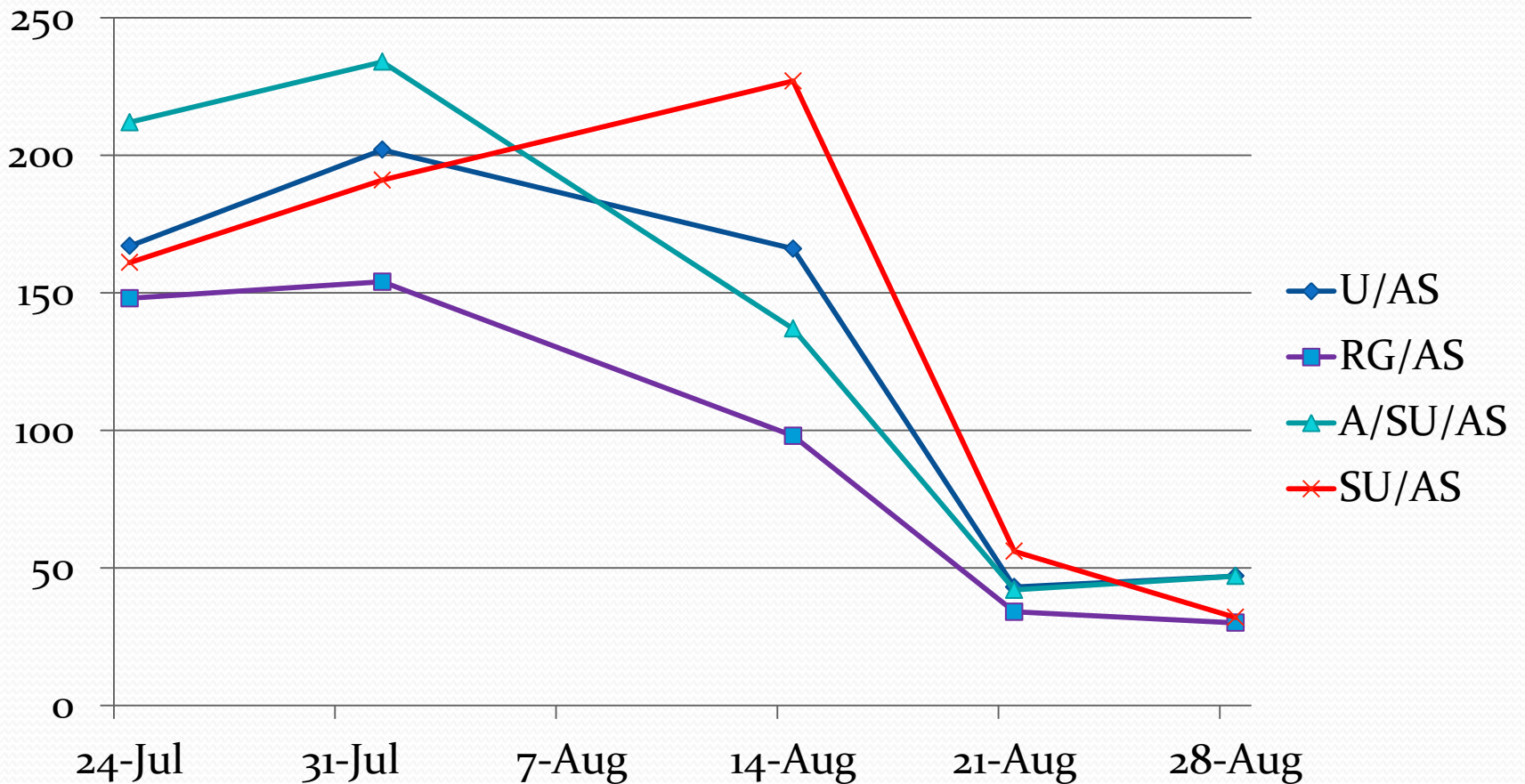
# Nitrate Release



# Nitrate Release Kittitas

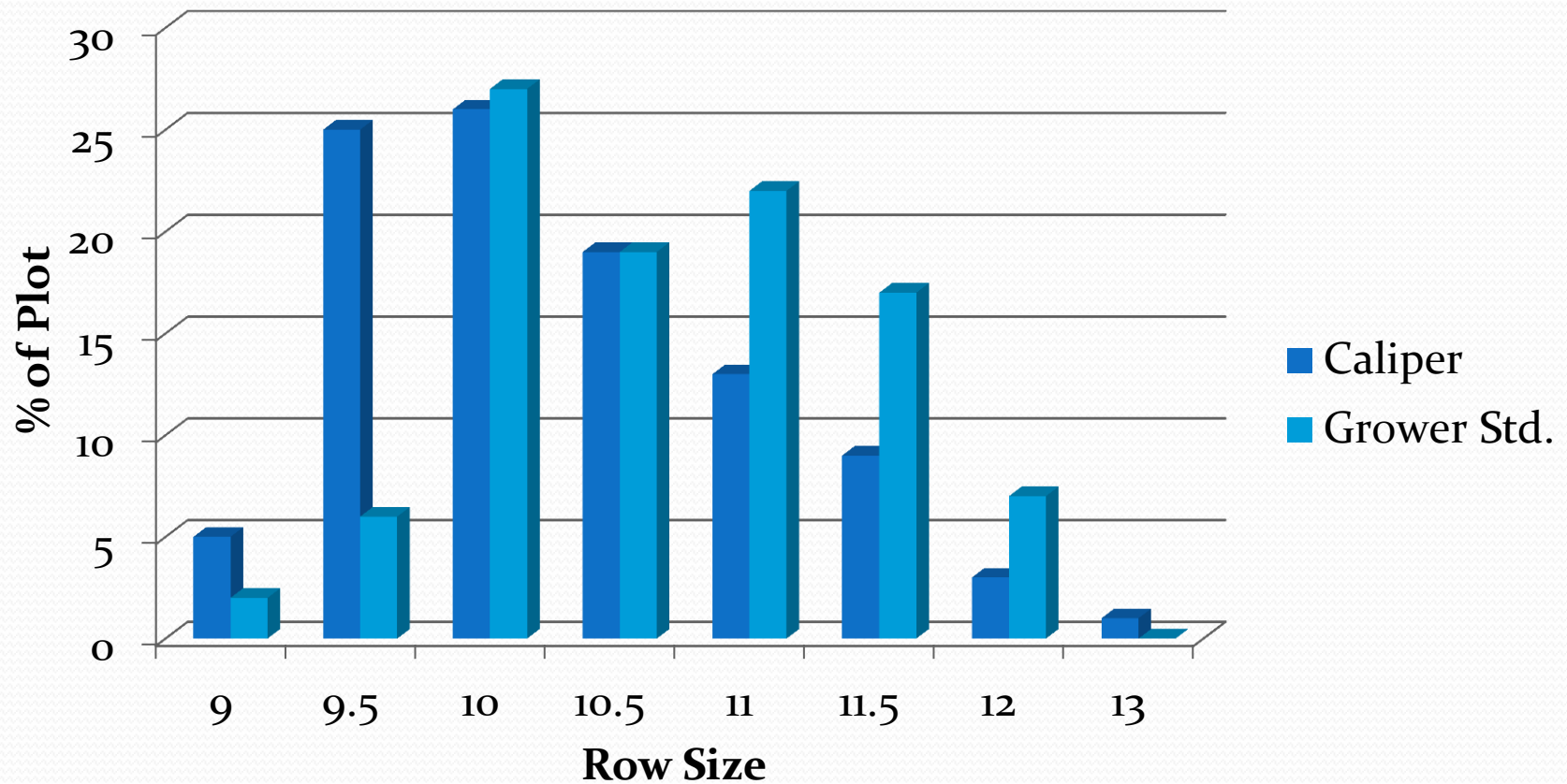
- **Clay soils ( CEC over 25 )**
- **2<sup>nd</sup> cutting Timothy Hay**
- **Center pivot irrigation**
- **90 Units Nitrogen and 20 units of Sulfur per acre**
- **Products**
  - **Urea/Ammonium Sulfate (U/AS)**
  - **Super U/Ammonium Sulfate (SU/AS)**
  - **Agrotain/Super U/Ammonium Sulfate (A/SU/AS)**
  - **RGHC/Ammonium Sulfate (RG/AS)**

# Nitrate Release

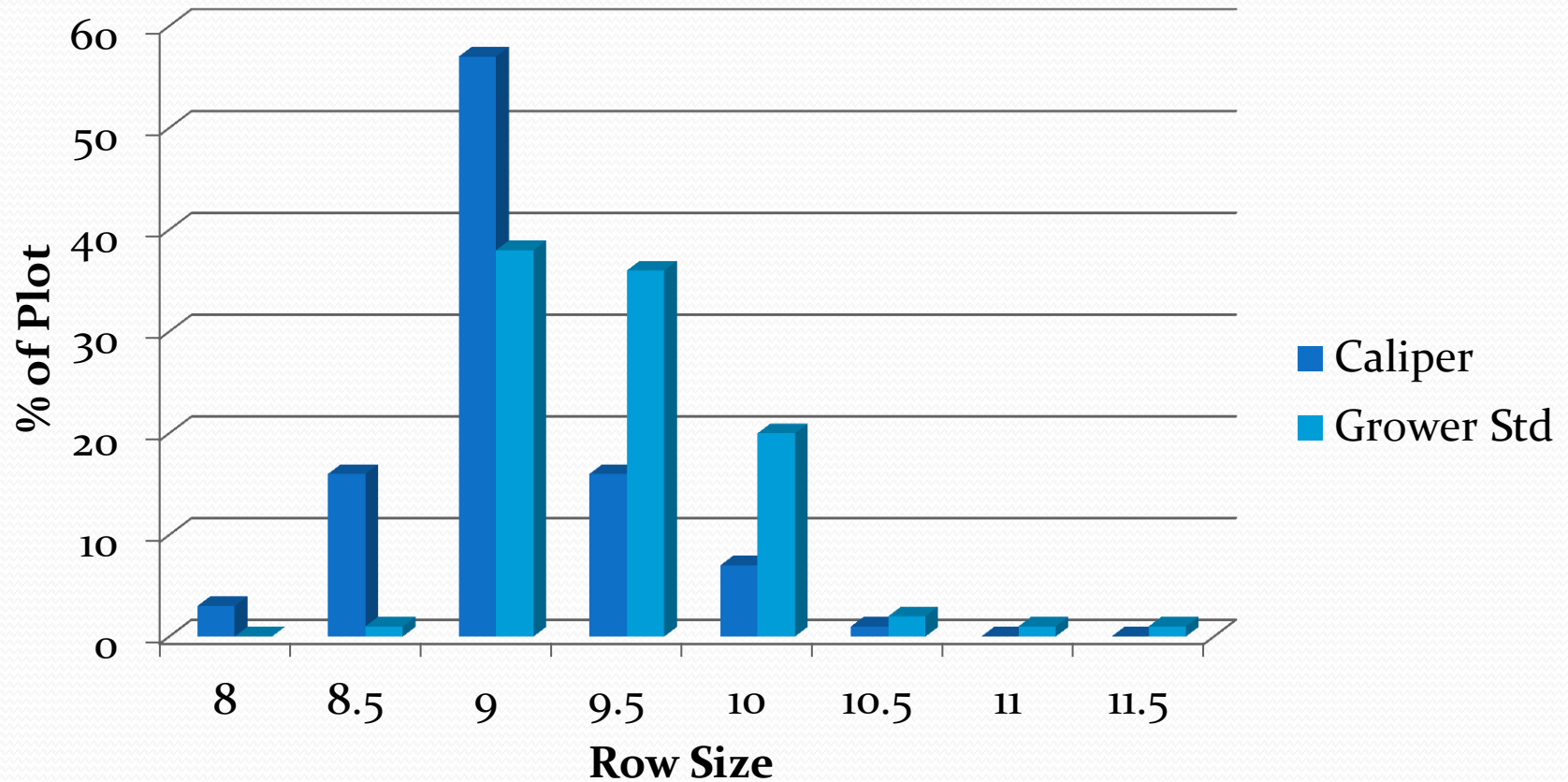


# Caliper Trials 2013

# Hood River Bings



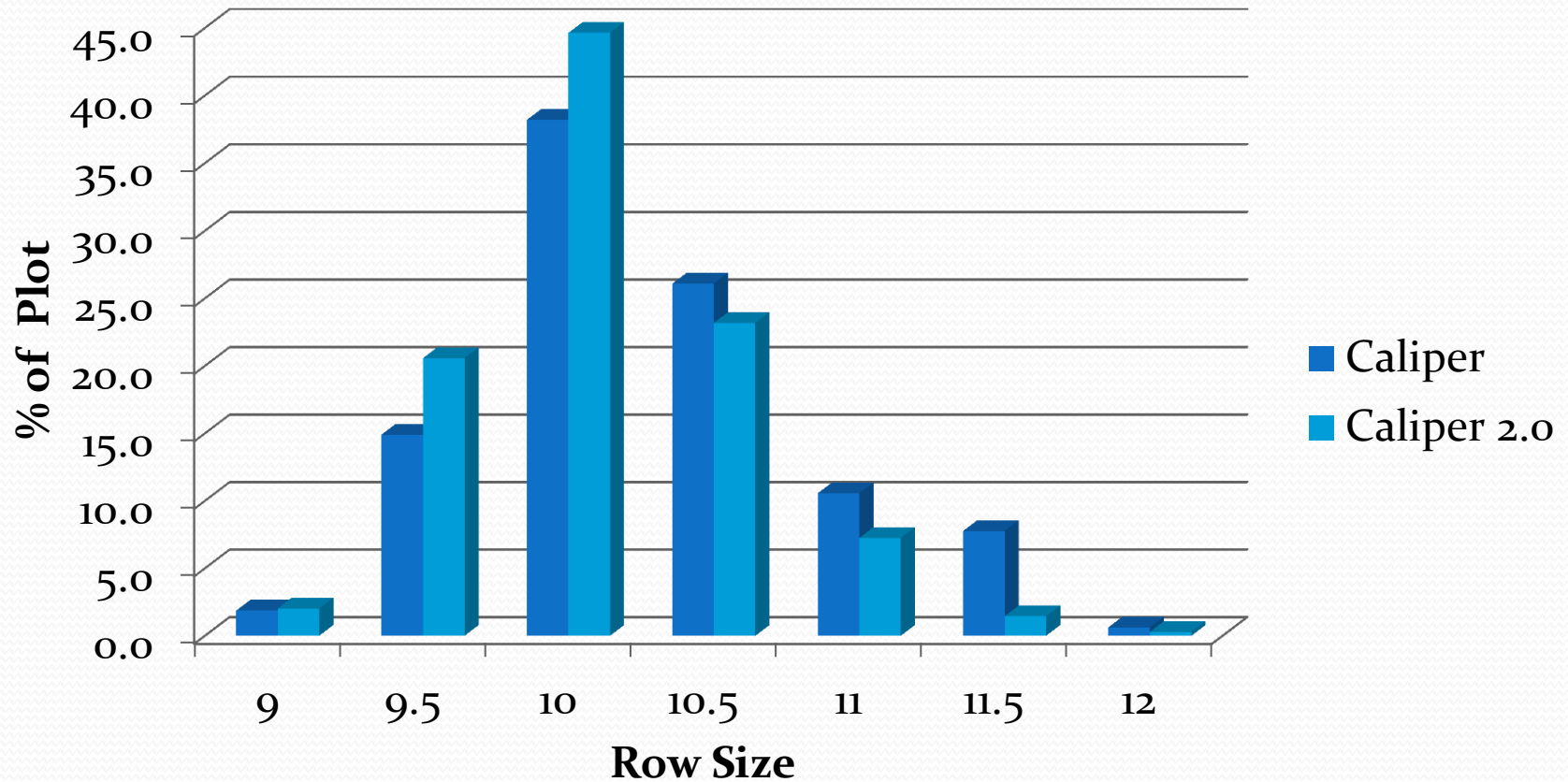
# Hood River Sweathearts



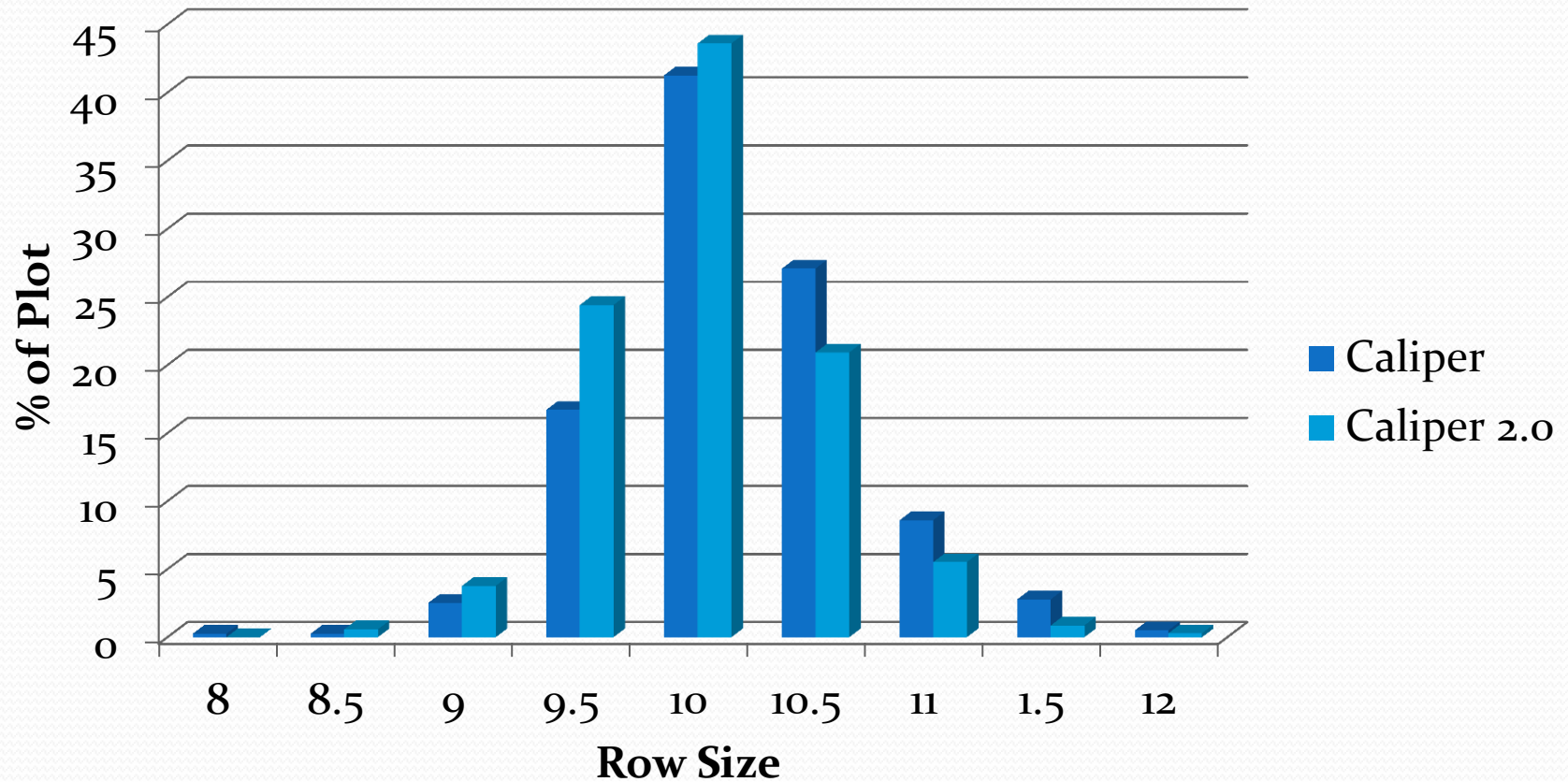
# **Caliper 2.0 Trials**

**2013**

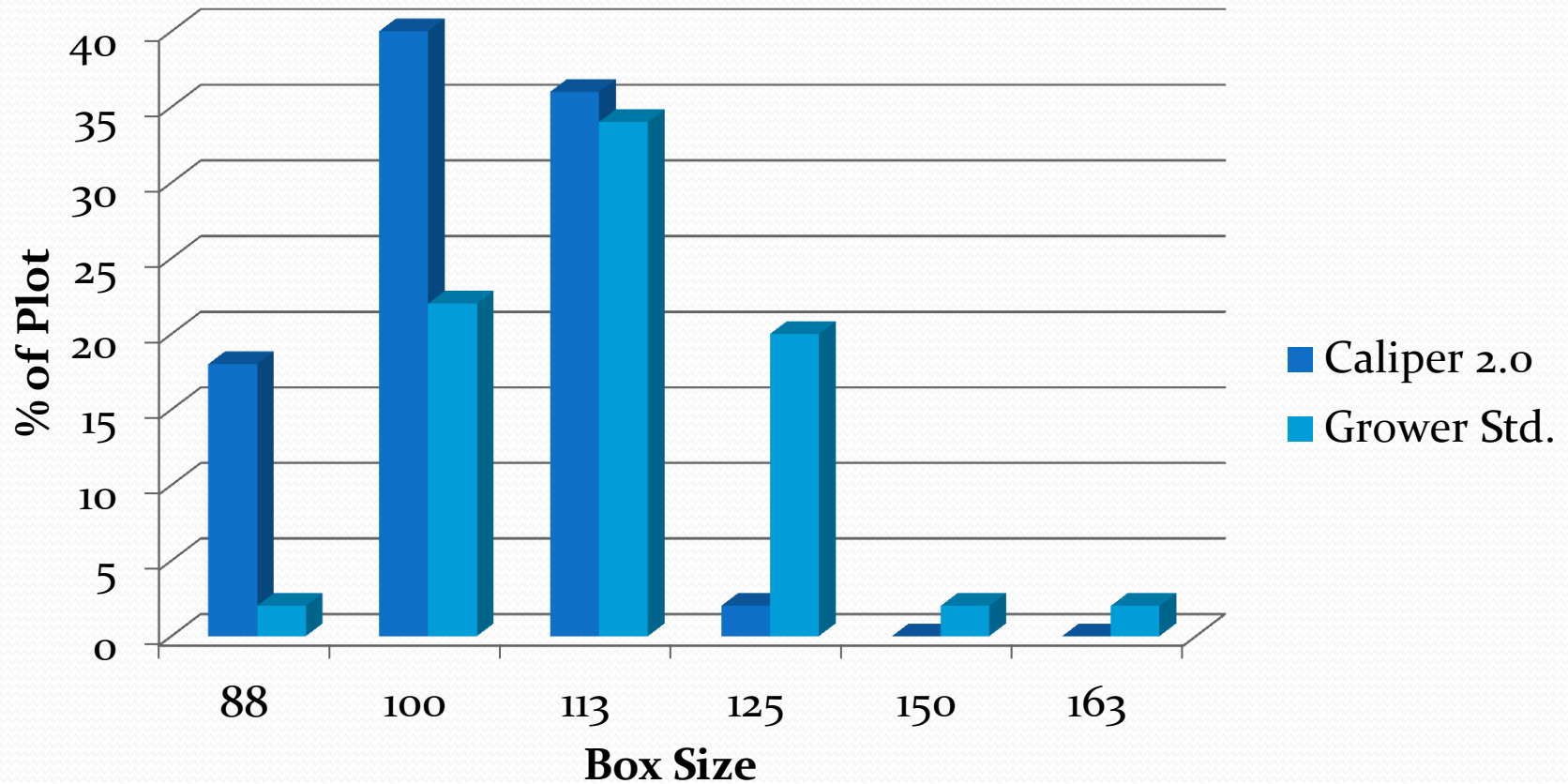
# The Dalles Bing Random Tree



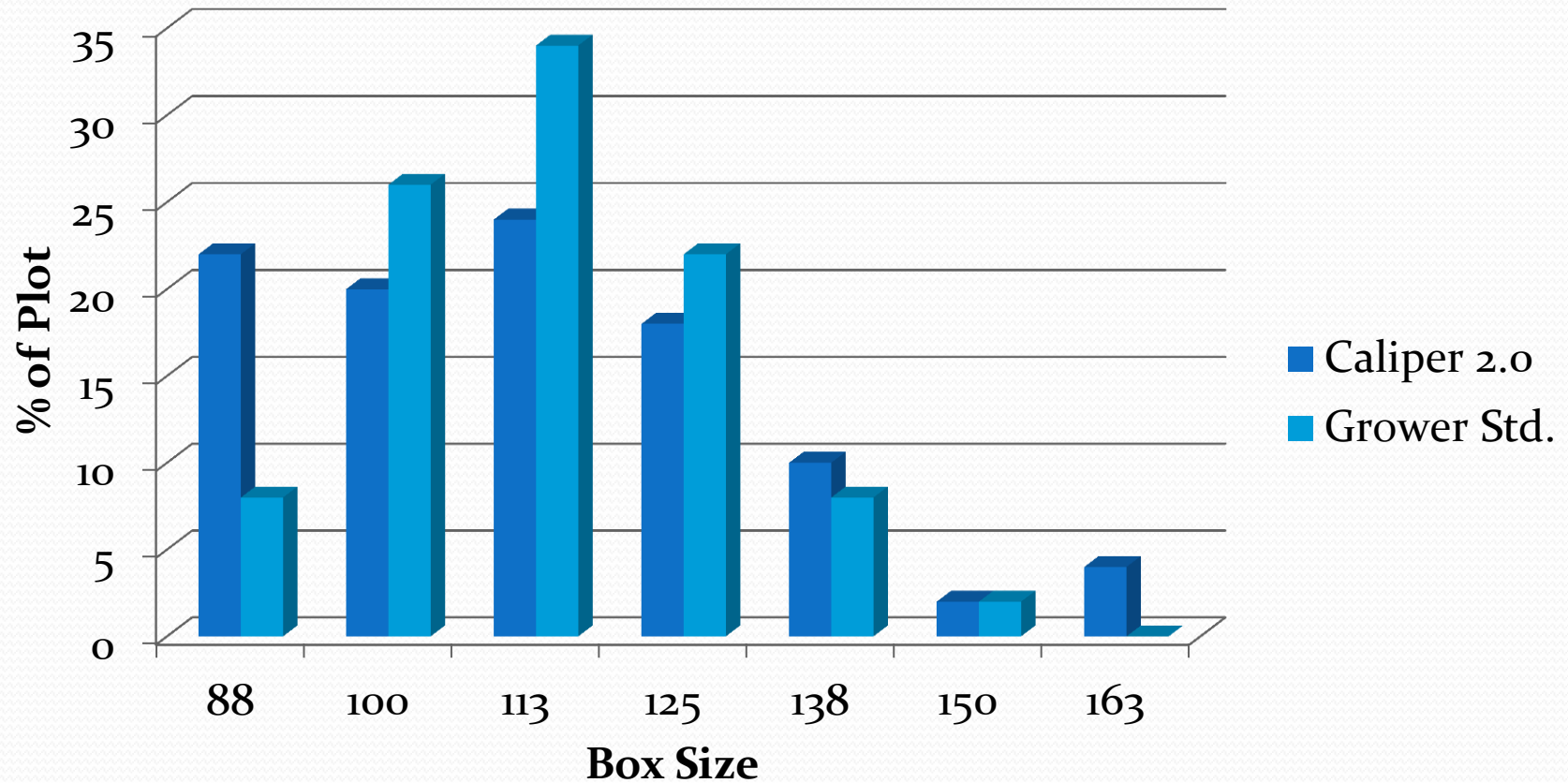
# The Dalles Bing Single Trees



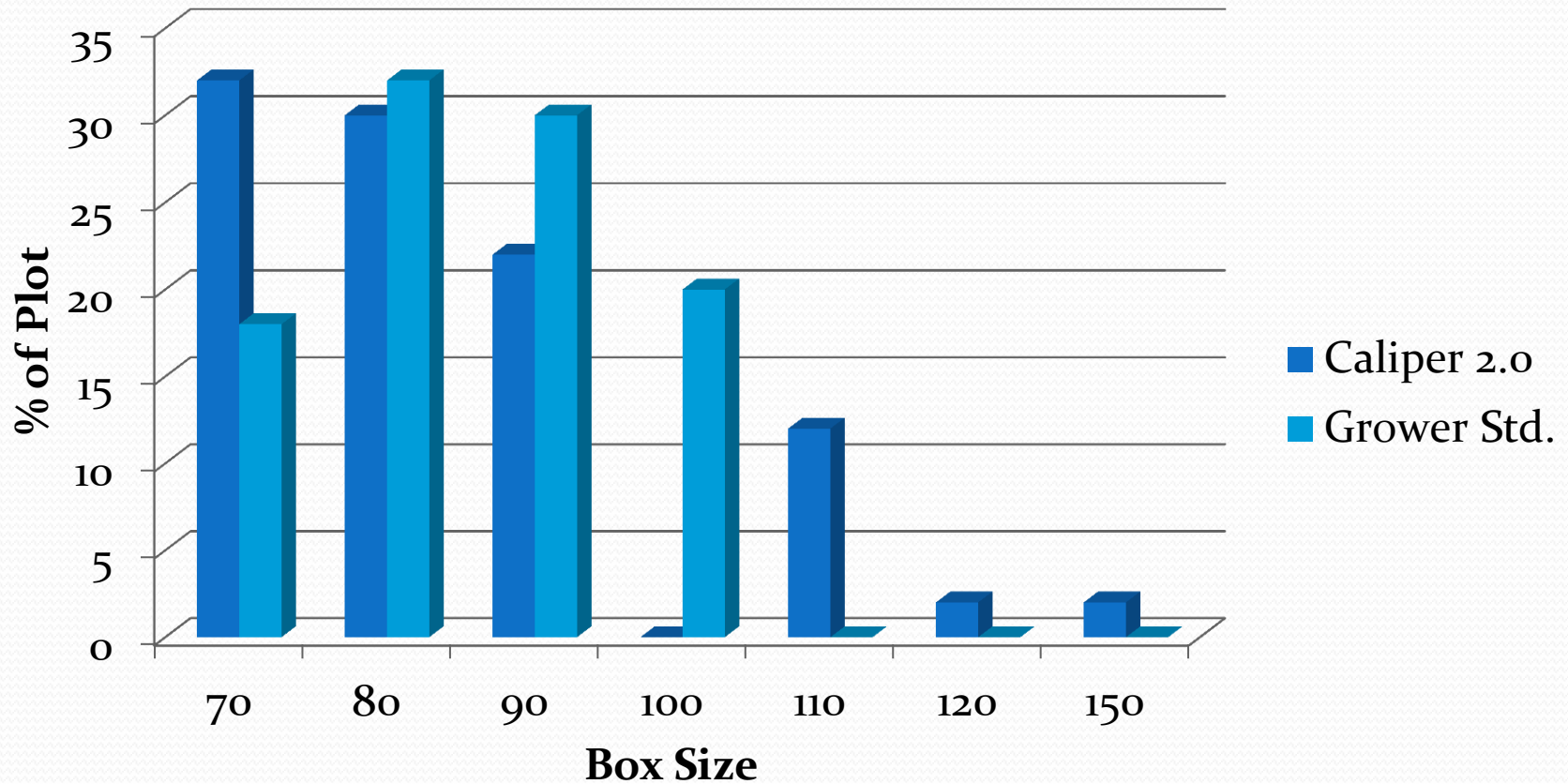
# Gala West Valley Yakima



# Gala Yakima Canyon



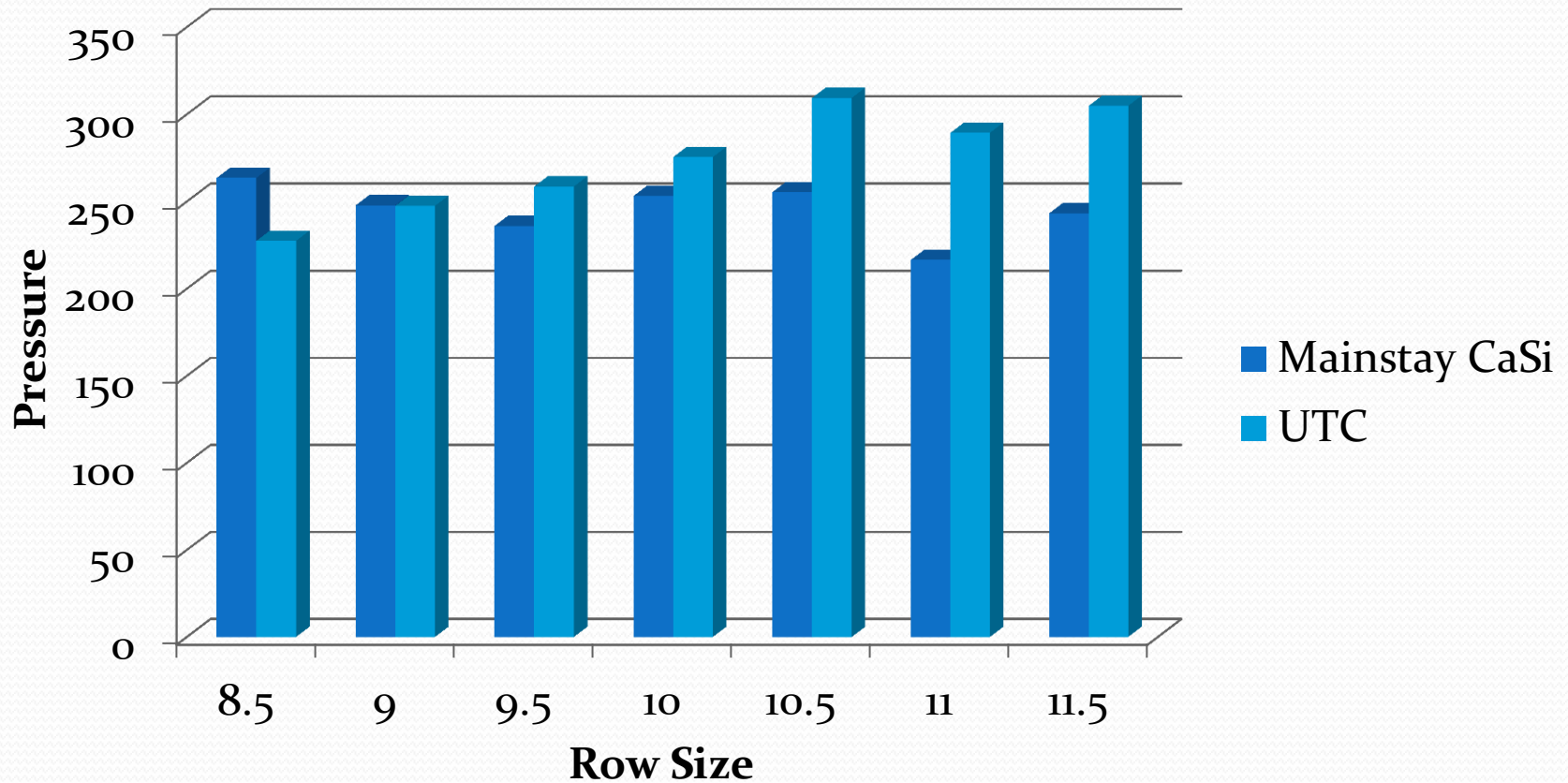
# Bridgeport Bartletts



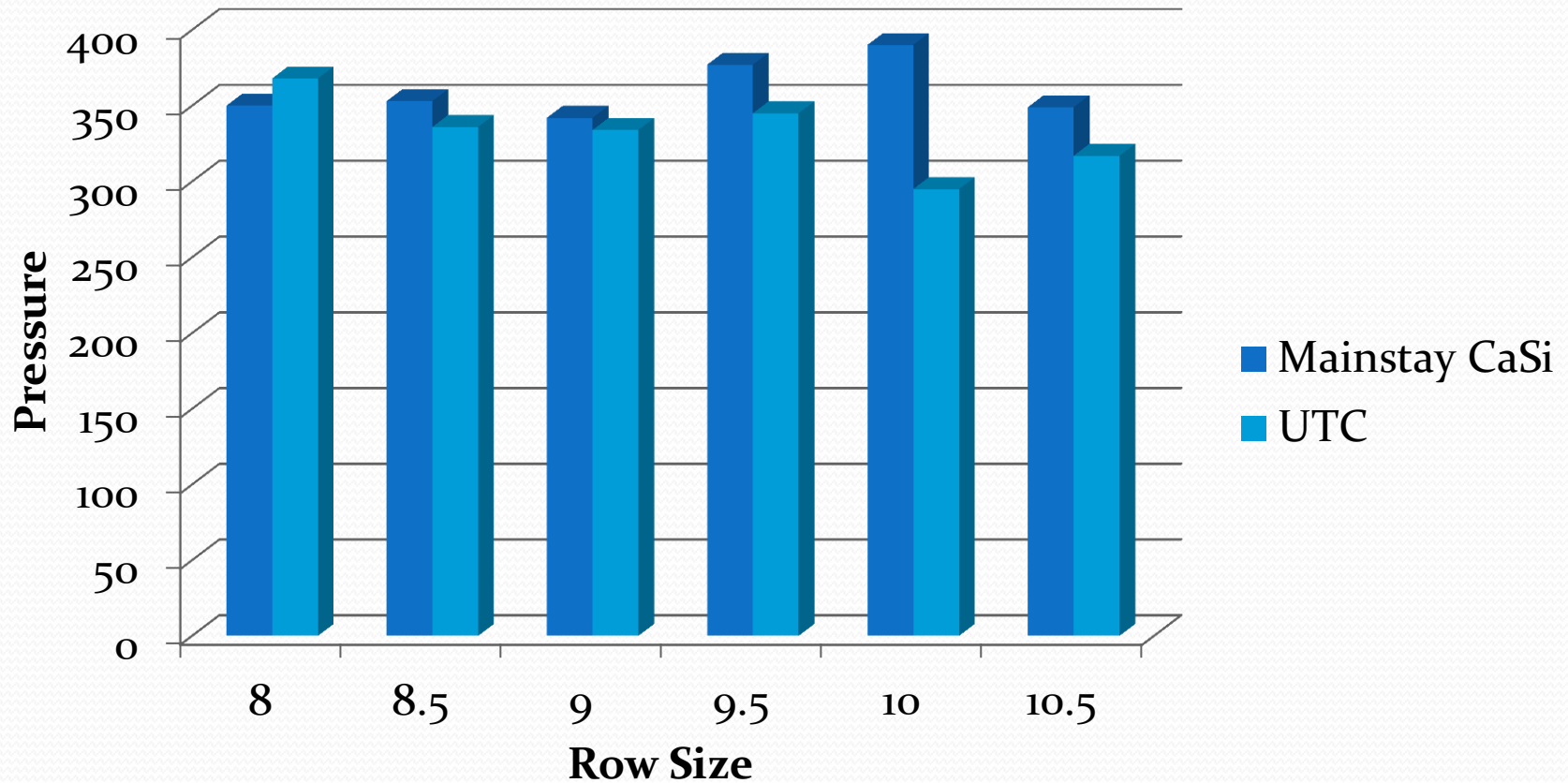
# **Mainstay CaSi**

**2013**

# Naches Tieton Cherry Pressure



# Bridgeport Lapin Pressure



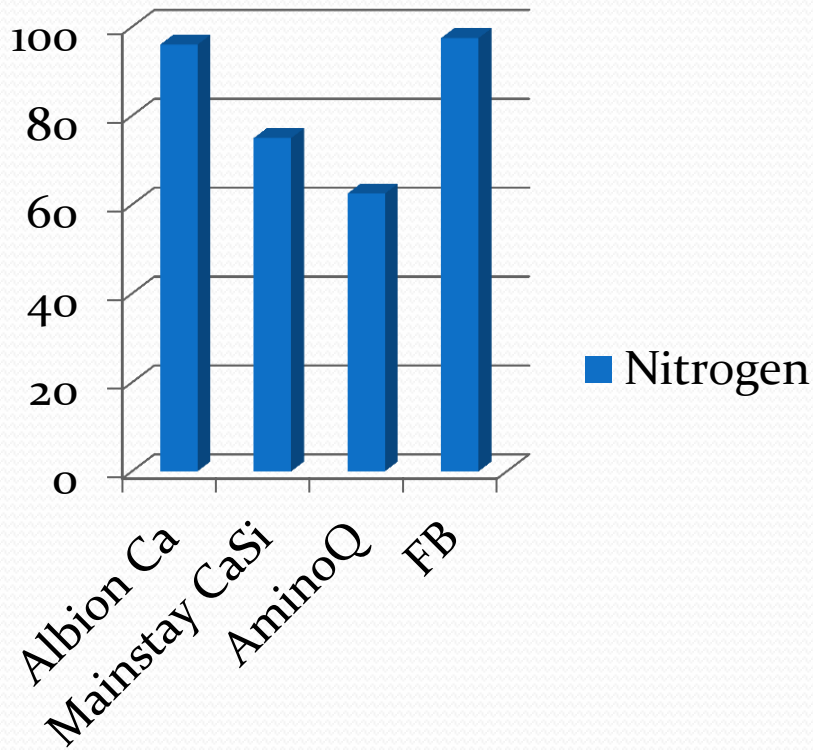
**Honey Crisp**

**Calcium Trial**

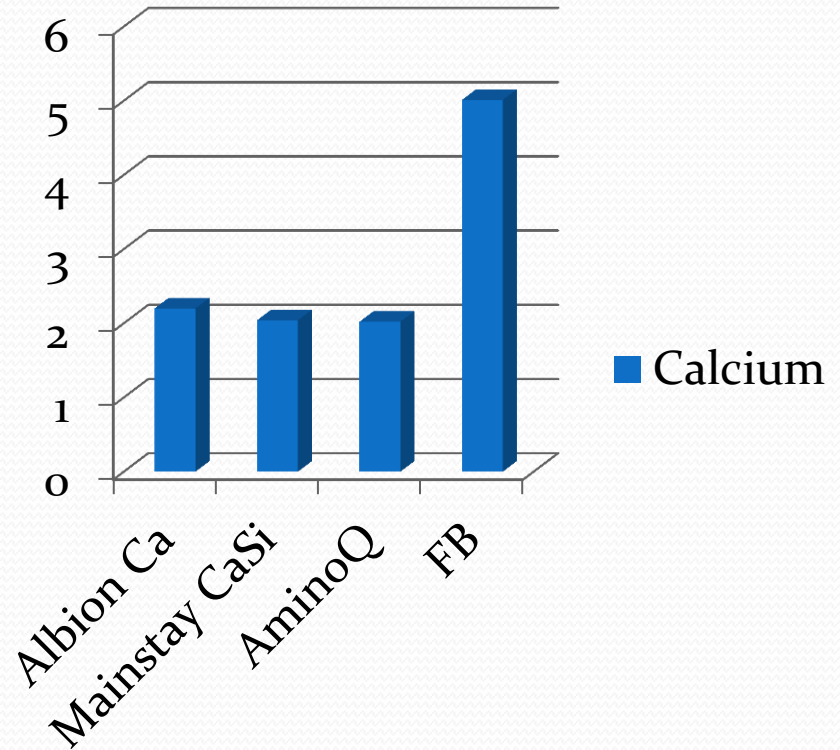
**2013**

# Cowiche Honey Crisp

## Nitrogen

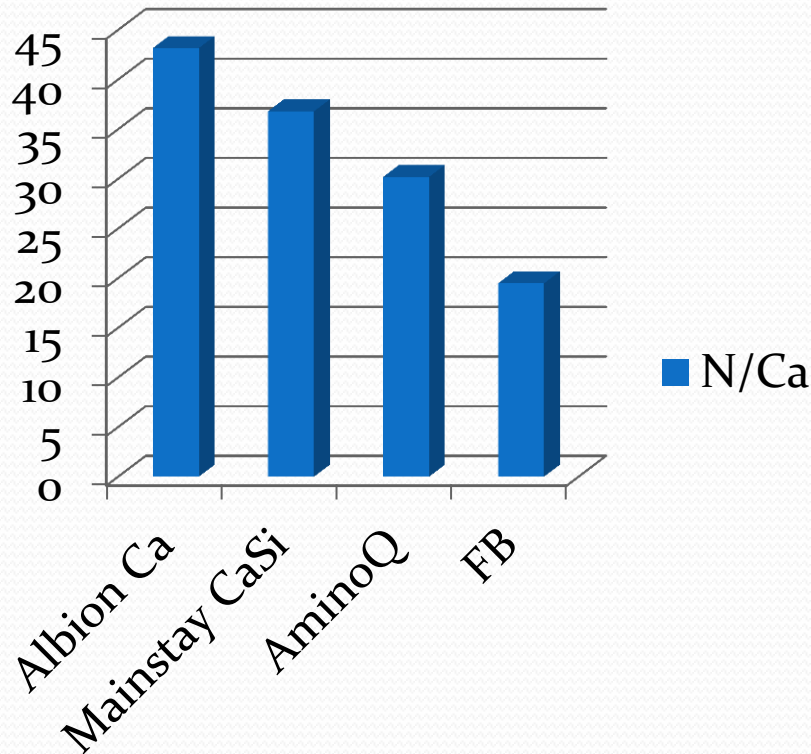


## Calcium

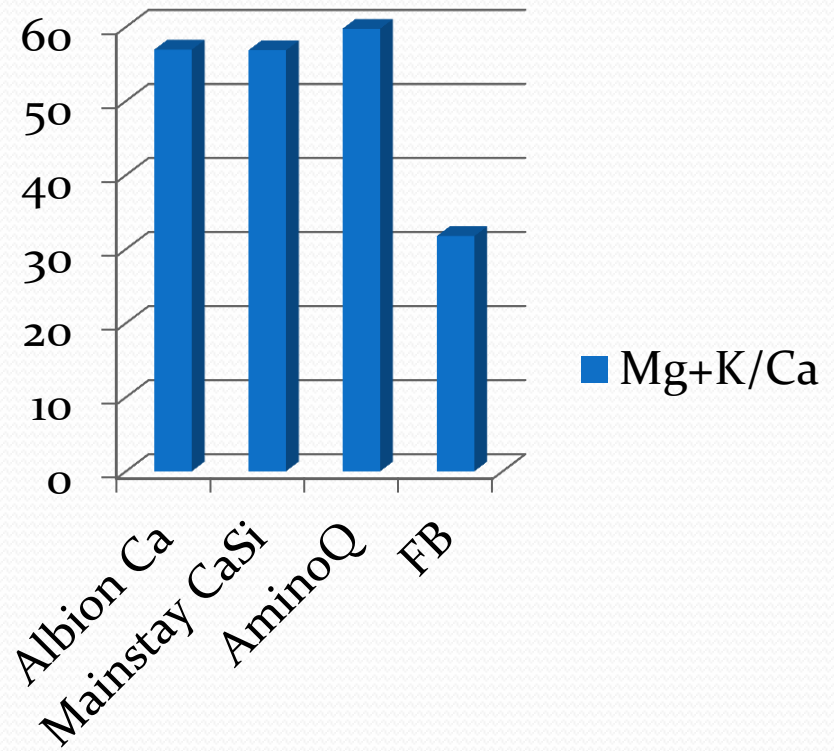


# Cowiche Honey Crisp

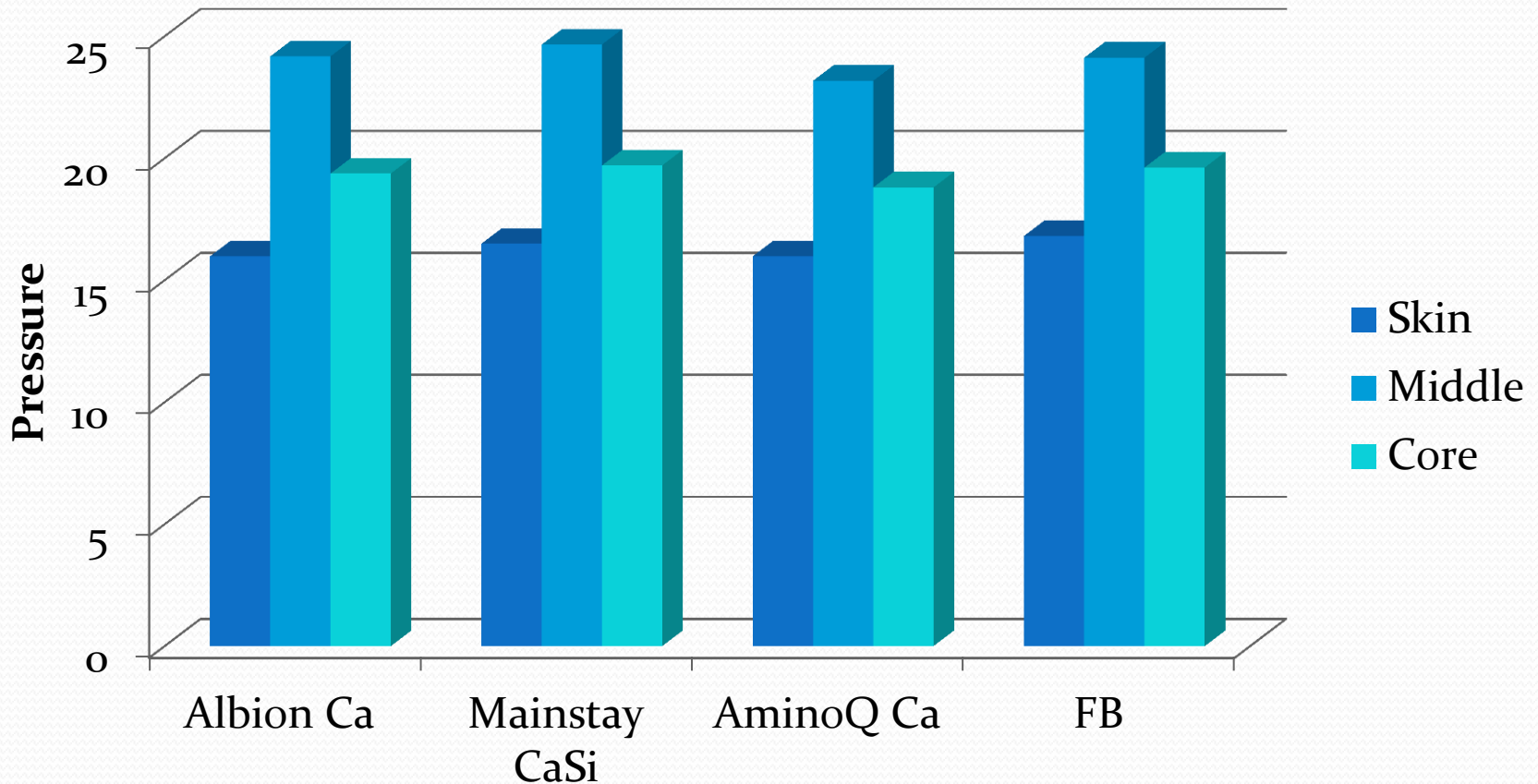
N/Ca



Mg+K/Ca



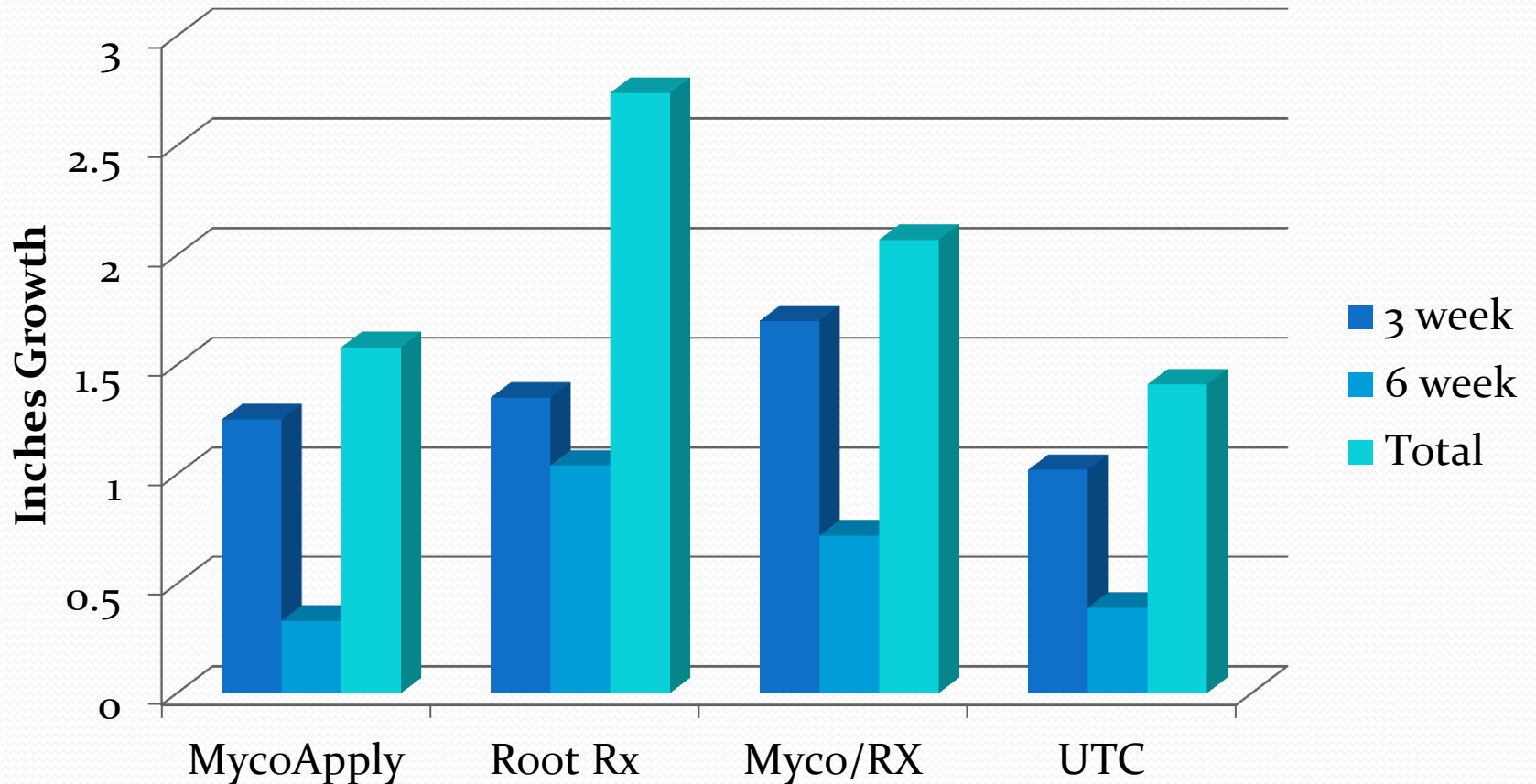
# Cowiche Honey Crisp



# Gala Growth

- **Older Gala block Chelan Falls**
- **Trying to get more growth**
- **Measured new growth on 10 flagged terminals in each plot and took averages**
- **Applications were made with spike wheel applicator**
- **1<sup>st</sup> application in June**
- **2<sup>nd</sup> application in July**

# Results



# Liquid Lime Applicator



# Liquid Lime Application



# Dry Lime Application



# Dry Lime Application



# THANK YOU

