

North American Raspberry & Blackberry Association



# Introducing BRANDT GlucoPro® A New Class of PGR

# > @ BRANDT\_CO @ INFO\_TO\_GROW

## BRANDT<sup>®</sup> GlucoPro<sup>®</sup>, The Revolutionary Plant Growth Regulator The First Biochemical of Its Kind in Agriculture

- Breakthrough science of absolute certainty
- Biochemically unlocks and releases sugar internally – within plant cells
- High order science accurately informs the active ingredient and how it works
- Proprietary and exclusive to BRANDT, LLC
  - Patented technology
    - for U.S. Patents, see ihllcpatents.com



ACTIVE INGREDIENT: Methyl-alpha-D-mannopyranos OTHER INGREDIENTS: TOTAL:	
Contains 1.09 lbs. of alpha methylma	
EPA Reg. No. 48813-3	EPA Est. No. 48813-IL-1



### **PGR Benefits Are All About the Grower**

- Quality
- Premium Marketable Yield
  Tolerance to environmental stress
  Increased harvestable weight
  Color of fruit

**Brix** 

Fruit firmness & size Deep root mass Enhanced fruit flavor Lengthened shelf life



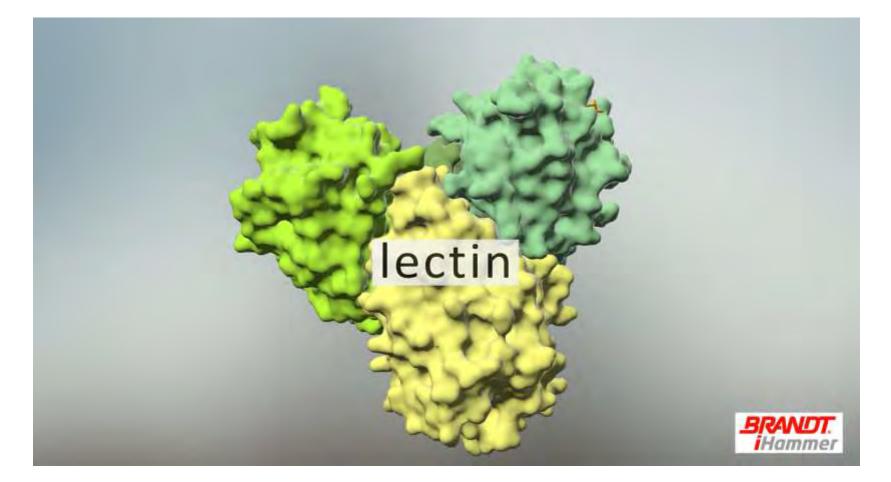
# **Control Crop Development with BRANDT GlucoPro®**

The next slide shows how the

# Active Ingredient works: αMeM









# <sup>14</sup>C-AI + Wetter Spreader

Foliar Active Ingredient is inside cells within 15 minutes.

Enhanced sugar content within the plant cell contributes to luscious firm fruit shelf life.



BRANDT GlucoPro<sup>®</sup> – Blueberries American Blueberry, Rocky Point, NC

6 fl oz/acre; 2 to 4 treatments; @2-3 weeks

### 25 to 50% INCREASE In SHELF LIFE!!



Average Berry, gram

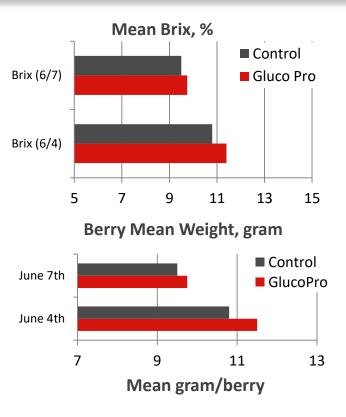
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### **BRANDT GlucoPro® – Blackberries**

6 fl oz/acre; 2 to 4 treatments; @2-4 weeks25 to 50% INCREASE In SHELF LIFE!!







### **Confirmed Efficacy**





**BRANDT GlucoPro®: Unlock Glucose, Boost Plant Energy and Productivity** 

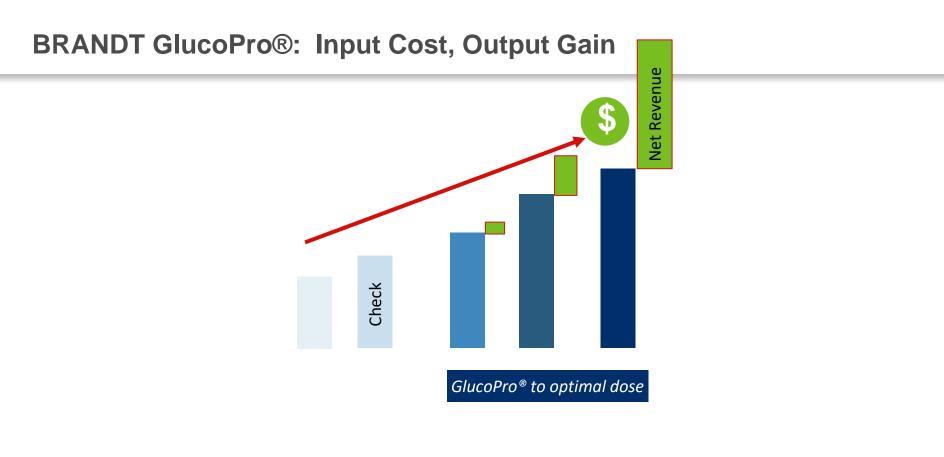
- We know *precisely* the active ingredient and its mode of action
- US EPA-registered PGR

# "We have a powerful new tool of photosynthetic biochemistry to transfer to growers"

Govindjee et al. 2019 Photosynthesis Research







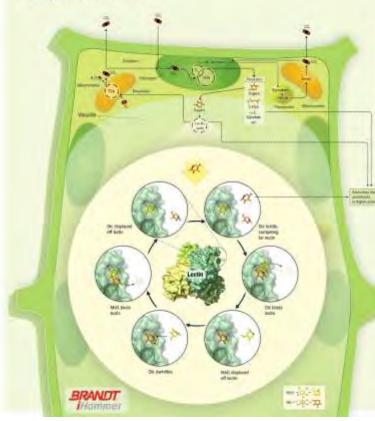






### The Carbon Reactions of Photosynthesis Govindies's follocational Poster Series

### **Plant Lectin Cycle**



### A diagram for glycoconjugation? in the lectin syste of plants

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## BRANDT Gregory Jackson gregory.jackson@brandt.co

- Arthur Nonomura, Ph. D.
- Farmer, Valley of the Sun, Arizona
- Calvin Lab, UC Berkeley
- Organismic & Evolutionary Biology, Harvard
- Research Faculty, UC San Diego





**Founded on Great Science** 

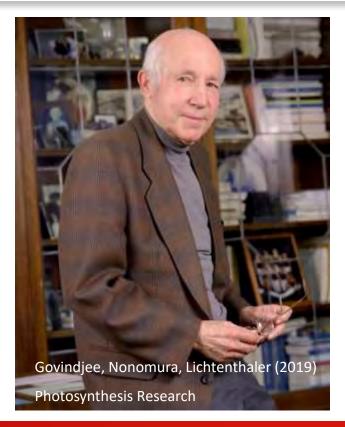
## **Melvin Calvin**

## 1961 Nobel Prize

## Andrew A. Benson

### James A. Bassham

Elucidated the Path of Carbon in Photosynthesis. From 1980 through 2014 collaborated with Arthur Nonomura to further unlock the mysterious processes of the Carbon Reactions of Photosynthesis and Modulation of Glycoregulation





# Cherry trees 20% higher blossom counts









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# **Thank You**

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