



**2010 Orchard and Vineyard Show  
January 20, 2010**

**Tree Fruit Disease Control  
Update for 2010**

**Tyre J. Proffer -- MSU  
Gail Ehret -- MSU  
Gayle McGhee -- MSU  
Nikki Rothwell -- NWHRS  
Erin Lizotte -- NWHRS  
Bill Klein -- NWHRS  
Myron Anderson -- NWHRS**

# **Fungal Disease Control Chemistries, Tested in 2009**

- **Chlorothalonil**
- **Pristine**
- **Gem, Adament**
- **Syllit**
- **Inspire**
- **Quash**
- **\*\*DPX-LEM17 – (penthiopyrad) brown rot, mildew**
- **USF2016A -- leaf spot, brown rot, mildew**
- **\*\*USF2017A -- leaf spot, brown rot, mildew**
- **YT669 – strobilurin; leaf spot, brown rot, mildew**
- **Q8Y78 -- leaf spot, brown rot, mildew**

# Cherry Disease Control Experimental Trials

- **Trials run at NWMHRS**
  - **Bill Klein, Myron Anderson**
- **Block of Montmorency & Balaton**
- **19 treatments**
- **Petal fall, shuck split, 1st - 4th covers**
- **4th cover on July 14**
- **Balaton unsprayed; disease came in after harvest, very quickly**
- **Ratings on August 11, September 14 (4-8 weeks after last application)**





**August 11**



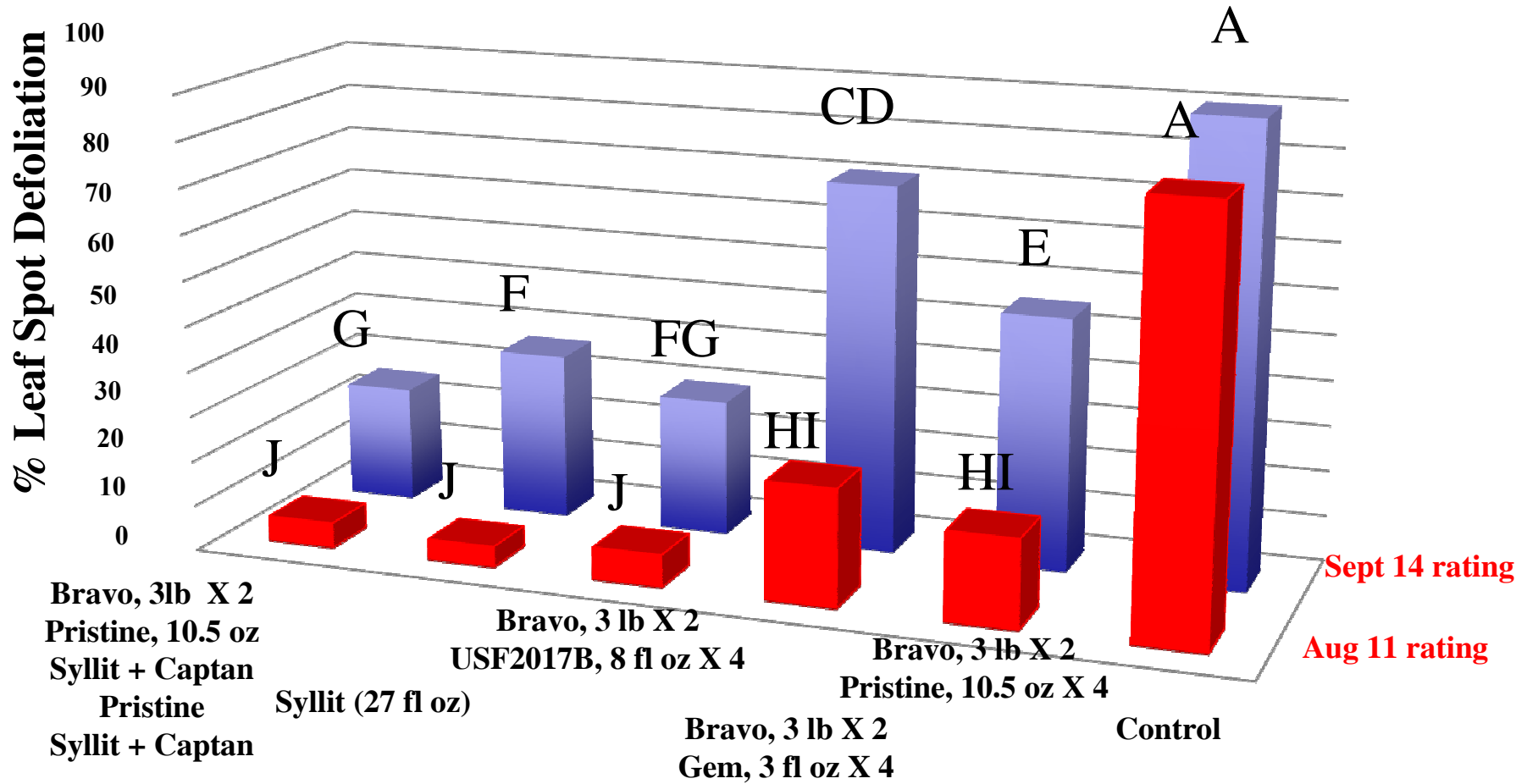


**Effective treatments really stand out**



# Leaf Spot Control

## Labeled Compounds, 2009 Highlights







**Aug: Bravo, 3 lb X 2**  
**USF2017B 8 fl oz X 4**

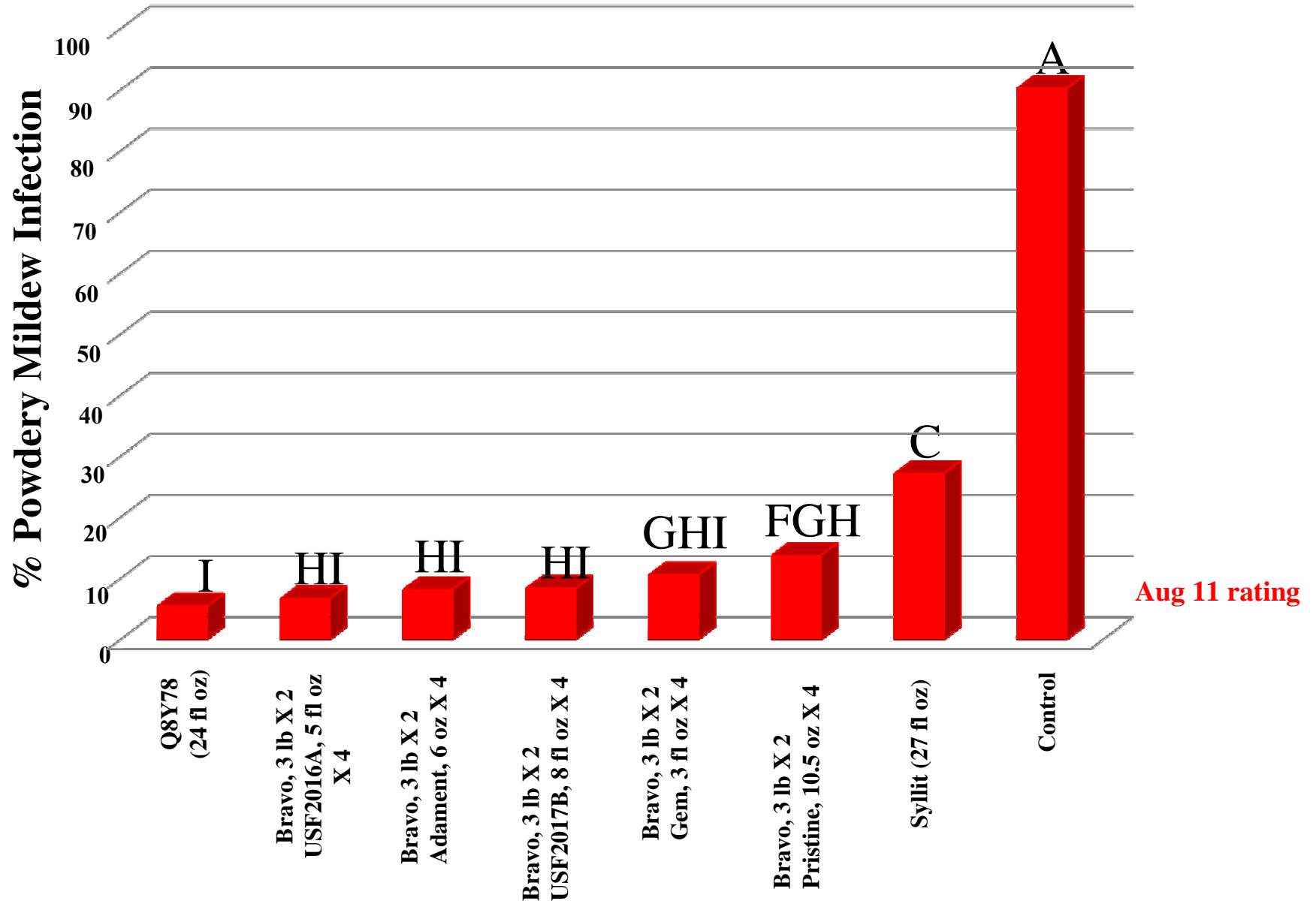


**Aug: Syllit FL 27 fl oz (full season)**



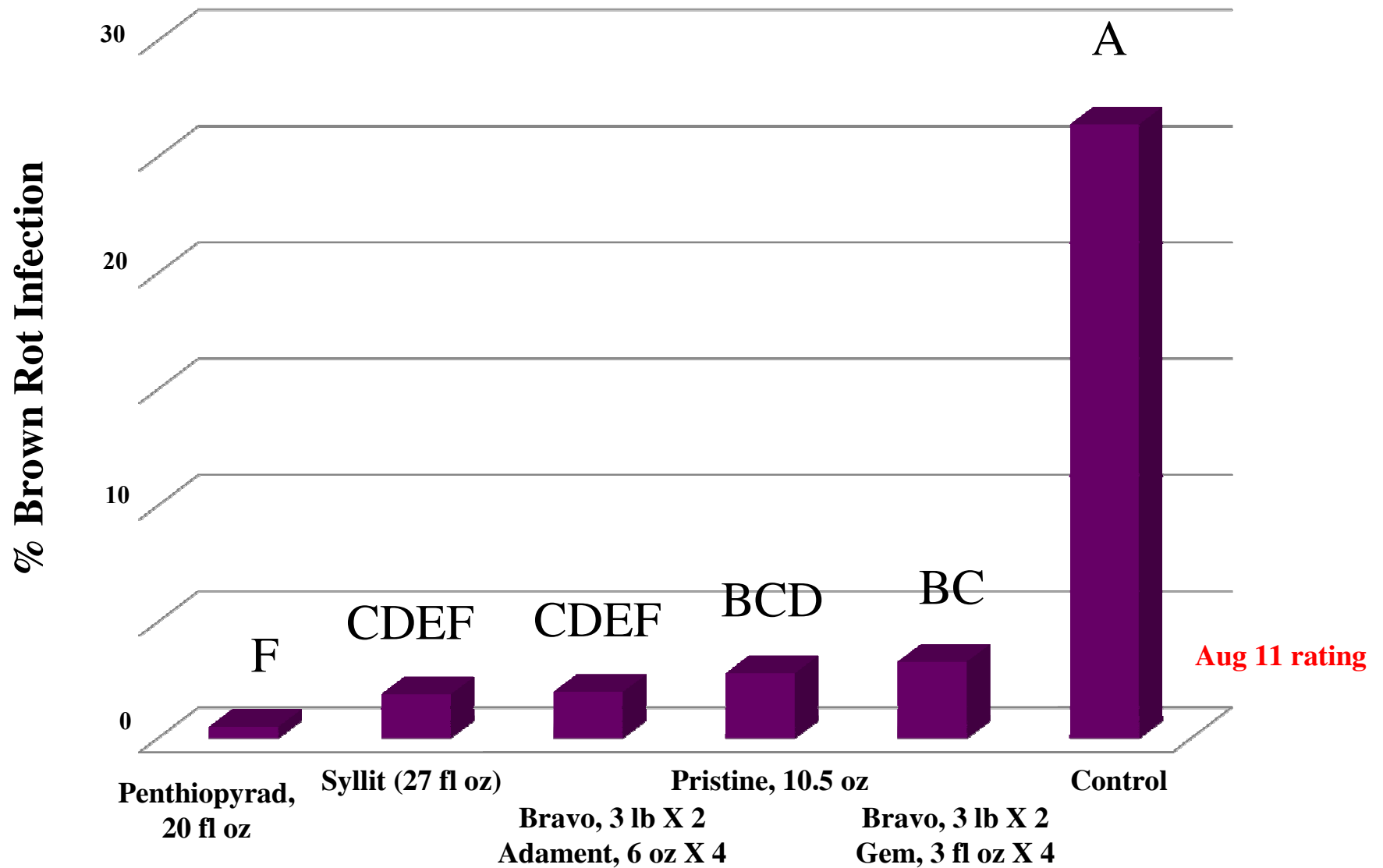


# Powdery Mildew Control, Highlights



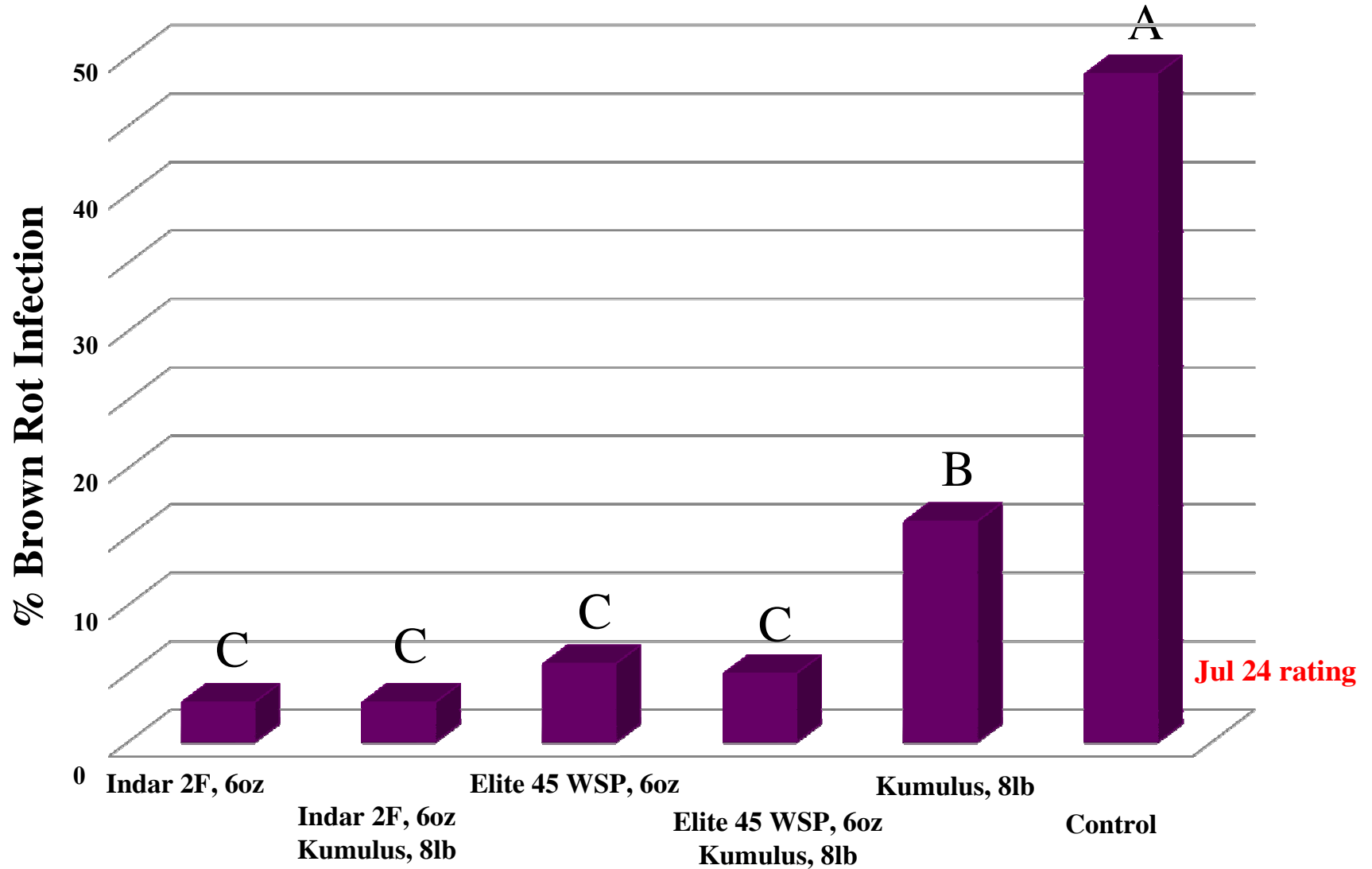


# Mont Brown Rot Control, Highlights





# Sweet Cherry Brown Rot Trial





# Brown Rot Control Chemistries, 2010

- **Sterol Inhibitors**
  - **Indar 2F – Special 24(c) label enabling up to 12 fl oz per acre**
  - **8-10 fl oz per acre is a good rate for NW Michigan**
  - **48 fl oz max per season**
- **Strobilurins(Gem, Adament)-good**
- **Boscalid + strobi (Pristine)-good**
- **Rovral (use at bloom for blossom blight phase)**



# Cherry Leaf Spot Control, 2010

- **Leaf Spot – extreme inoculum trial in 2009**
- **Syllit FL – excellent leaf spot control; limiting defoliation**
  - **Syllit + Captan – recommended for resistance management**
- **USF2017B – new material looks very good!**

# Cherry Leaf Spot Control, 2010

- **Adament, Gem, Pristine all look very good**
- **However, add Captan (3lb) for resistance management purposes**
  - **Based on experience with apple scab**
  - **Strobilurin resistance possibly on the horizon in leaf spot**
  - **Boscalid resistance also could occur in the future**
- **Don't forget about copper!**



## Keep in mind. . .

- Adament, Gem, and Pristine are excellent powdery mildew materials
- Preharvest SI applications will not adequately control CLS
- Postharvest chlorothalonil for CLS
- Tank mix strobilurin fungicides with 3lb captan for resistance management
- Rotate modes of action

