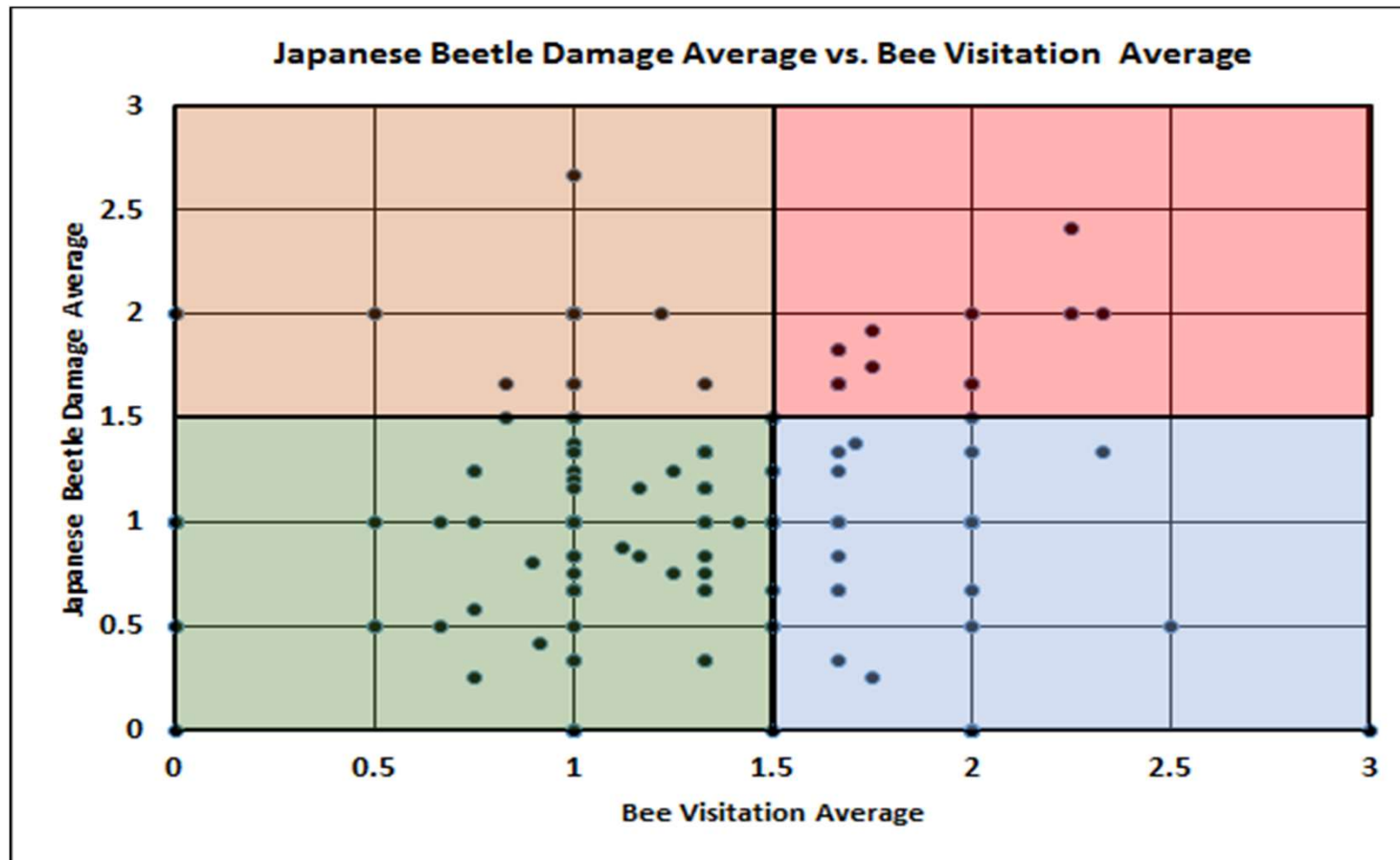


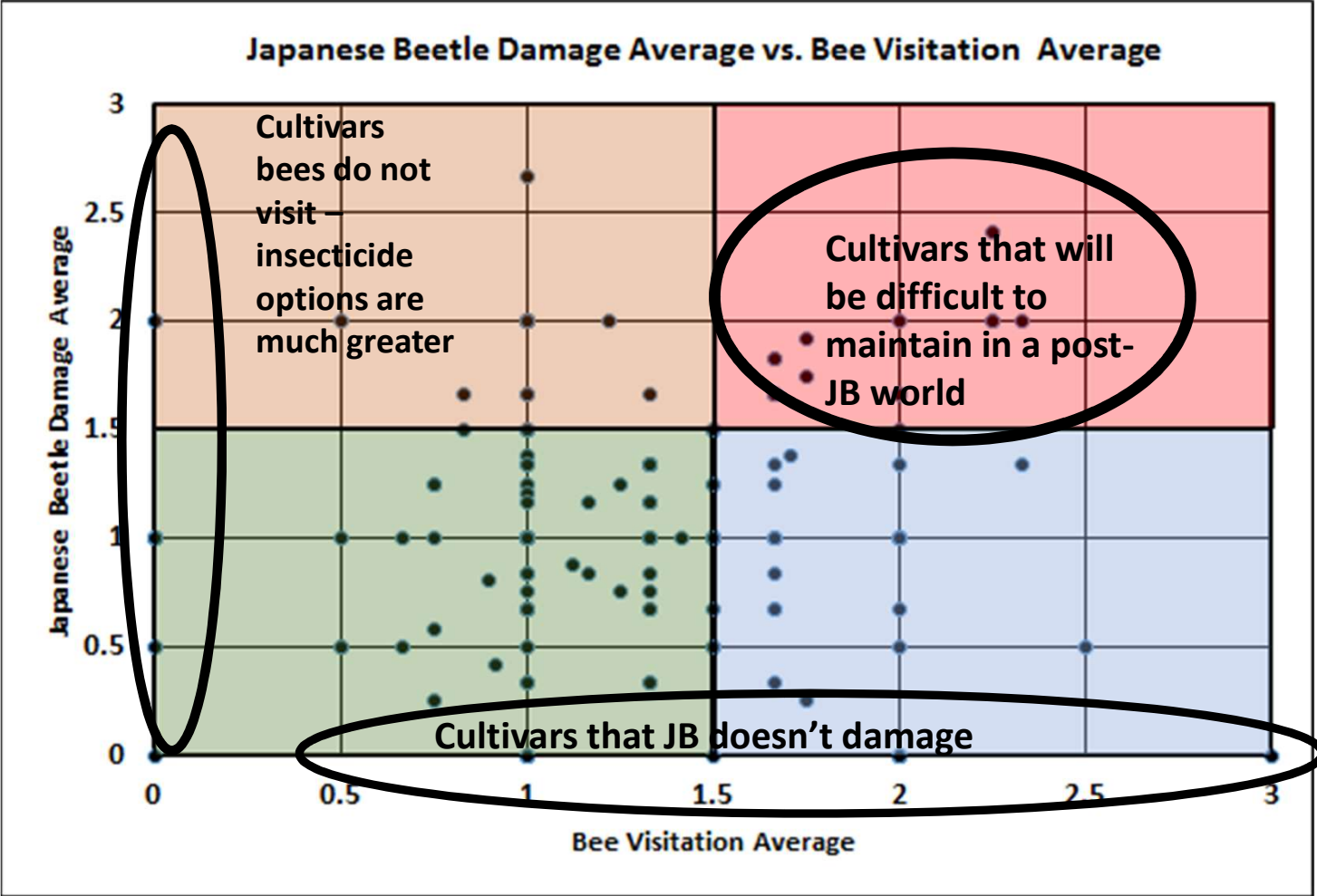
# Japanese Beetle Favs: Roses

- Roses are a well-known favorite of Japanese beetle, but not all roses cultivars are susceptible
- Roses bloom at the same time as adult beetle feeding
- Work by Schreiner et. al (2016-2017) in the Cranshaw lab at CSU monitored Japanese beetle and pollinator activity on 183 rose cultivars at the Littleton War Memorial Rose Garden

# Japanese Beetle Favs: Roses



# Japanese Beetle Favs: Roses



# CSU Rose Research Study

- Only 11% of the cultivars (20 total) ranked as “high bee visitation and high Japanese beetle feeding”
  - These should not be planted in areas with Japanese beetle populations

**Table 3.** Rose cultivars with high JB damage and bee visitation.  
Rose class<sup>1</sup> is in parentheses.

Prima Donna (M)	Glowing Peace (G)	Touch of Class (HT)	Pescali (HT)
Care Free Spirit (LS)	Honey Perfume (HT)	Fourth of July (LC)	Elle (HT)
Care Free Delight (S)	Hot Coco (HT)	Starry Night (HT)	Eureka (F)
Climbing New Dawn (LC)	Lady Elsie May (HT)	First Edition (F)	Morden Sunrise (F)
Day Dream (S)	Moon Dance (HT)	Rainbow Knock Out (M)	Easy Does It (F)

<sup>1</sup> DAS - David Austin Shrub, F - Floribunda, G - Grandiflora, HT - Hybrid tea, M - Miniature, S - Shrub

# CSU Rose Research Study

- 14 cultivars were found to have little or no Japanese beetle damage

**Table 1.** Rose cultivars that were noted to receive little<sup>1</sup> or no damage by Japanese beetle. War Memorial Rose Garden, Littleton, Colorado 2017. Rose class<sup>2</sup> is in parentheses.

Child's Play (M)*	Class Act (F)*	Colossus (HT)*
Cupcake (M)*	Electron (HT)*	French Lace (F)*
Gemini (HT)*	Jean Kenneally (M)*	Joseph's Coat *
Old Glory (HT)*	Perfecta (M)*	Picotee (HT)*
Rainbow Sorbet (S)*	Shining Hour (HT)	Sun Sprinkles (HT)
Angel Face (F)	Carrot Top (M)	Merlot (HT)

<sup>1</sup> Damage by Japanese beetle based on sliding 0-3 scale, with 0 having no observed damage and 3 being roses that were heavily damaged by Japanese beetle. All of the cultivars listed had damage ratings of 0.5 or less. On those with an asterisk\* no damage was observed.

<sup>2</sup> DAS - David Austin Shrub, F - Floribunda, G - Grandiflora, HT - Hybrid tea, M - Miniature, S - Shrub

# CSU Rose Research Study

- No bee visitation was noted on 14 cultivars
- Pest management options greatly increase where rose cultivars are not being visited by bees

**Table 2.** Rose cultivars that were noted to receive little<sup>1</sup> or no visitation by bees. War Memorial Rose Garden, Littleton, Colorado 2017. Rose class<sup>2</sup> is in parentheses.

***Cultivars on which no bees were noted***

Child's Play (M)	Beauty (G)	John S. Armstrong (HT)
Midas Touch (M)	Ranada (M)	Trandescent (G)
Baby Boomer (M)	Cathedral (F)	Gala (M)
Graham Thomas (DAS)	Heritage (HT)	OreGold (HT)
Tuscan Sun (HT)	VooDoo (HT)	