

Cranberry Research Farm Update: 2019 Results

- Rutgers
 - Released Varieties
 - Numbered
- Valley Corp
- Other work at the research farm
 - Phenology
 - Herbicide
 - Girdler

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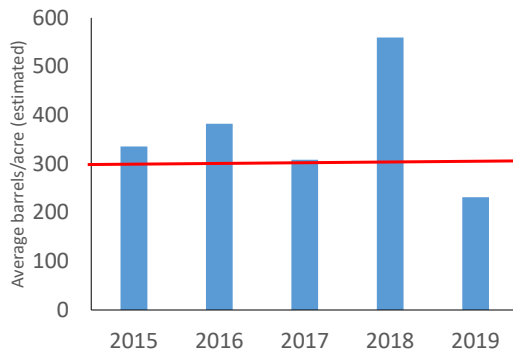
Rutgers Released Varieties

- Mullica Queen
 - Crimson Queen
 - Demoranville
 - Haines
 - Welker
 - RS 99-25
 - RS 11
- KEY FINDINGS
 - Overall yields were down across all varieties except Welker

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Crimson Queen

Crimson Queen - 5 year average
363 barrels/acre

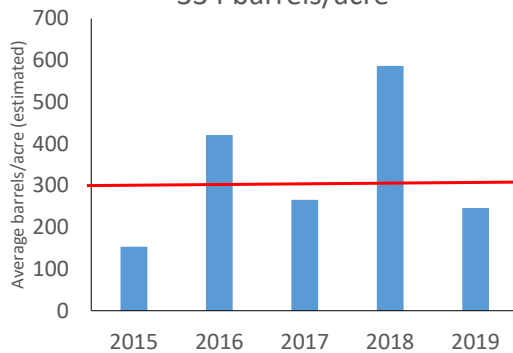


- Data are only from Field 1
- 2019 Yield was 59% lower
- TAcy + Firmness Scores
 - September 24: 48 and 869

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Mullica Queen

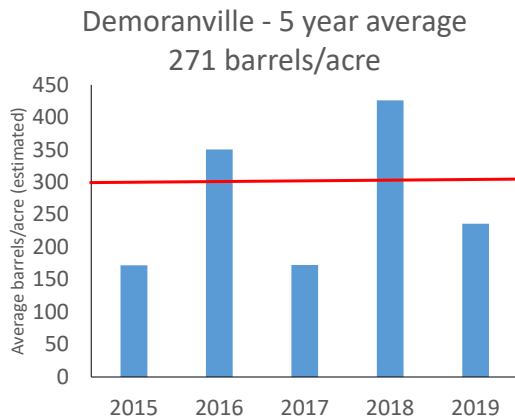
Mullica Queen - 5 year average
334 barrels/acre



- Data are only from Field 1
- 2019 Yield was 59% lower
- TAcy + Firmness Scores
 - September 24: 42 and 885

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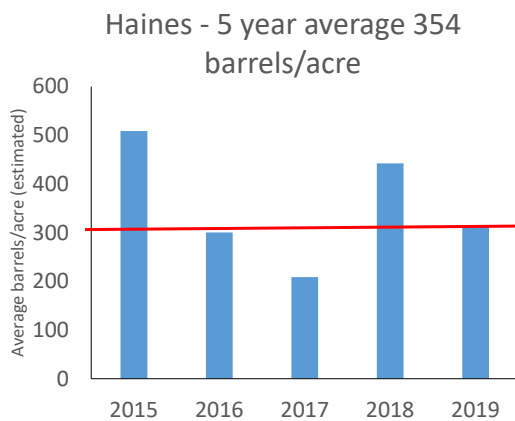
Demoranville



- Data are only from Field 1
- 2019 Yield was 44% lower
- TAcy + Firmness Scores
 - September 24: 68 and 951

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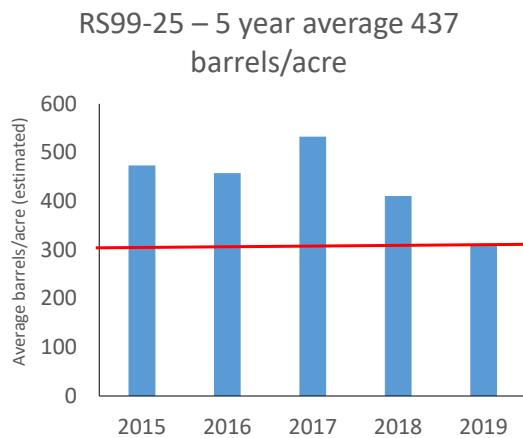
Haines



- Data are only from Field 1
- 2019 Yield was 29% lower
- TAcy + Firmness Scores
 - September 24: 40 and 944

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RS99-25



- Data are only from Field 1
- 2019 Yield was 24% lower
- TAcY + Firmness Scores
 - September 24: 53 and 903
 - October 31: 71 and 819

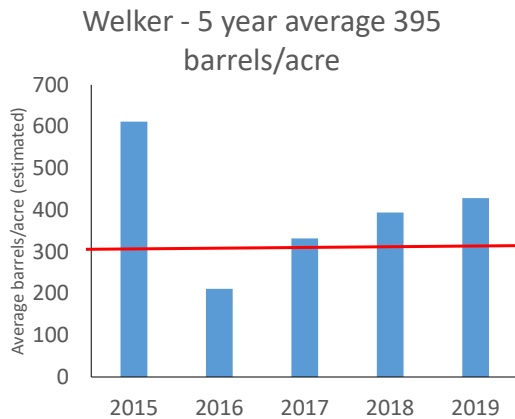
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Rutgers Released Varieties

- Mullica Queen
 - Crimson Queen
 - Demoranville
 - Haines
 - Welker
 - RS 99-25
 - RS 11
- KEY FINDINGS
 - Overall yields were down across all varieties except Welker
 - Welker had the highest yields in 2019: 428 barrels/acre

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Welker



- Data are only from Field 1
- 2019 Yield was 8% **higher**
- TAcY + Firmness Scores
 - September 24: 73 and 865

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Rutgers Released Varieties

- Mullica Queen
 - Crimson Queen
 - Demoranville
 - Haines
 - Welker
 - RS 99-25
 - RS 11
- KEY FINDINGS
 - Overall yields were down across all varieties except Welker
 - Welker had the highest yields in 2019: 428 barrels/acre
 - Welker and Mullica had the two highest 5-year averages: 395 and 363 barrels/acre

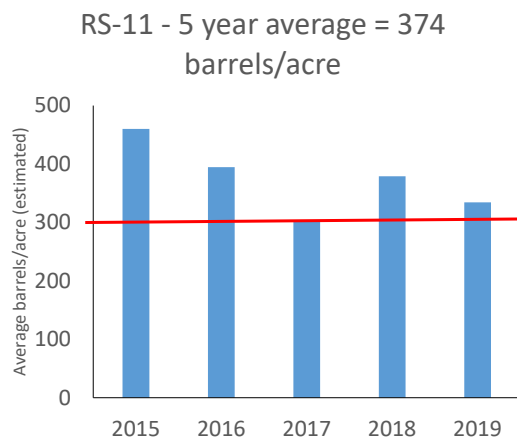
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Rutgers Released Varieties

- Mullica Queen
 - Crimson Queen
 - Demoranville
 - Haines
 - Welker
 - RS 99-25
 - RS 11
- KEY FINDINGS
 - Overall yields were down across all varieties except Welker
 - Welker had the highest yields in 2019: 428 barrels/acre
 - Welker and Mullica had the two highest 5-year averages: 395 and 363 barrels/acre
 - Data over the years consistently supports late harvest for RS 11

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RS-11



- Data are from Field 2
- 2019 Yield was 13% lower
- TAcY + Firmness Scores
- September 24: 34 and 727
- October 31: 26 and 825
- Data supporting late harvest is consistent

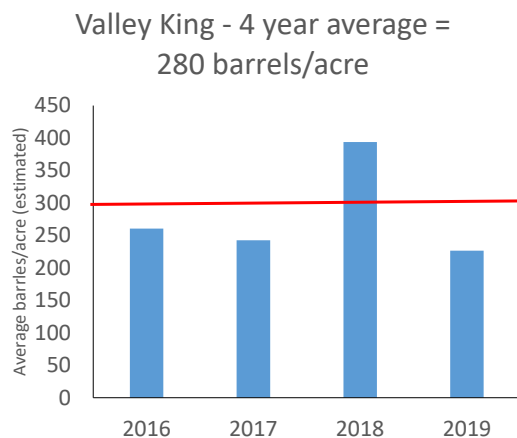
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Valley Corp. Released Varieties

- BG
 - Valley King
 - Pilgrim King
 - Crimson King
 - Midnight 7
 - Midnight 8
 - Midnight 11
 - Several currently unnamed crosses
- KEY FINDINGS
 - Valley King has been the highest yielding
 - Midnights ripen really early (Not good for Fraser Valley)
 - Pilgrim King a candidate for late harvest
 - October 31: Tacy 44 and Firmness 759

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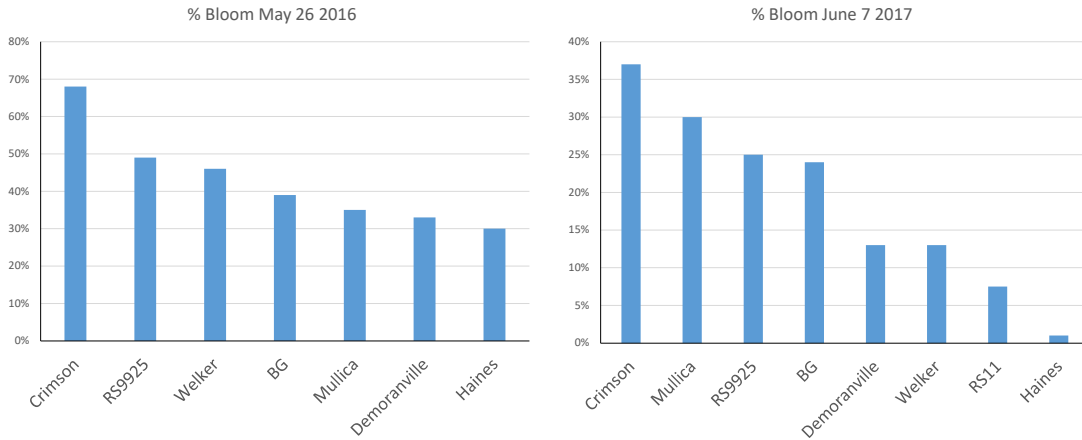
Valley King



- Data are from Field 2
- 2019 Yield was 42% lower
- Tacy + Firmness Scores
- September 24: 37 and 755

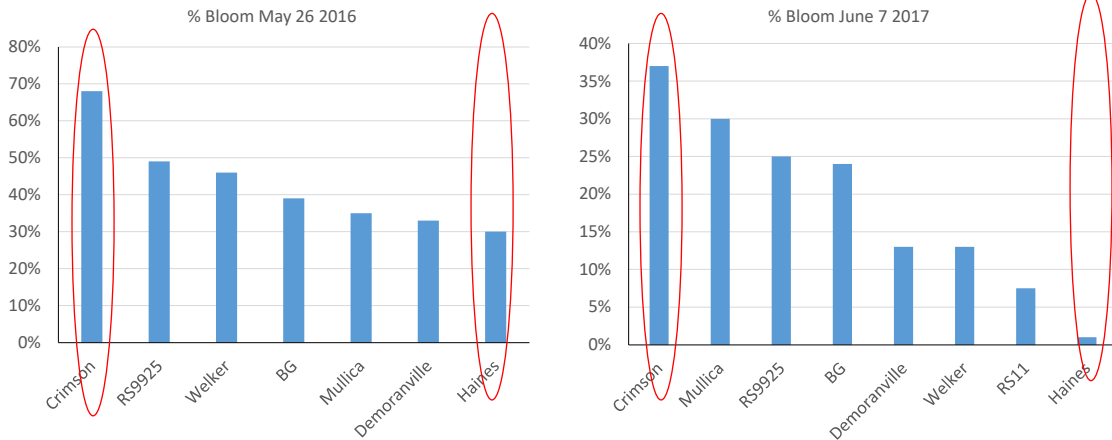
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Bloom Phenology 2016 and 2017 data



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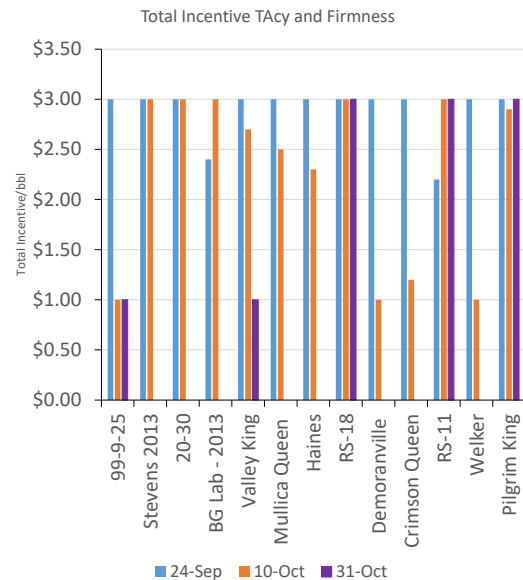
Bloom Phenology 2016 and 2017 data



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Incentive Payments (combination of TAcY and Firmness)

- Max Incentive **September 24**
harvest: RS99-25, Valley King,
Mullica, Haines, Demoranville,
Crimson, Welker
- Max Incentive **October 4**
harvest: BG
- Max Incentive **October 31**: RS11



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Other Activities - Girdler Trial in Field 4

- Demonstrating the use of Nematodes to keep a low girdler population low – started in 2016
 - 12 Control plots
 - 6 yearly plots (1 billion/acre)
 - 6 every other year plots (2 billion/acre – even years)
- Majority of plots with Girdler moths in 2016 (pre treatment + added eggs)
- More Control plots with Moths flying in late June and early July girdler walks – 2017 and 2019; no moths in 2018
- Not enough population to see vine damage



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Acknowledgements

DELIVERED BY

FUNDING PROVIDED BY



cranberries



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