

Cranberry Research Farm Update: 2022 Results

- Interesting things 2022
- Rutgers
 - Released Varieties
 - Numbered
 - High Yield Numbered Varieties (2015 planting)
 - Fruit Rot Resistance Varieties (2016 plantings)
- Valley Corp
 - Released Varieties

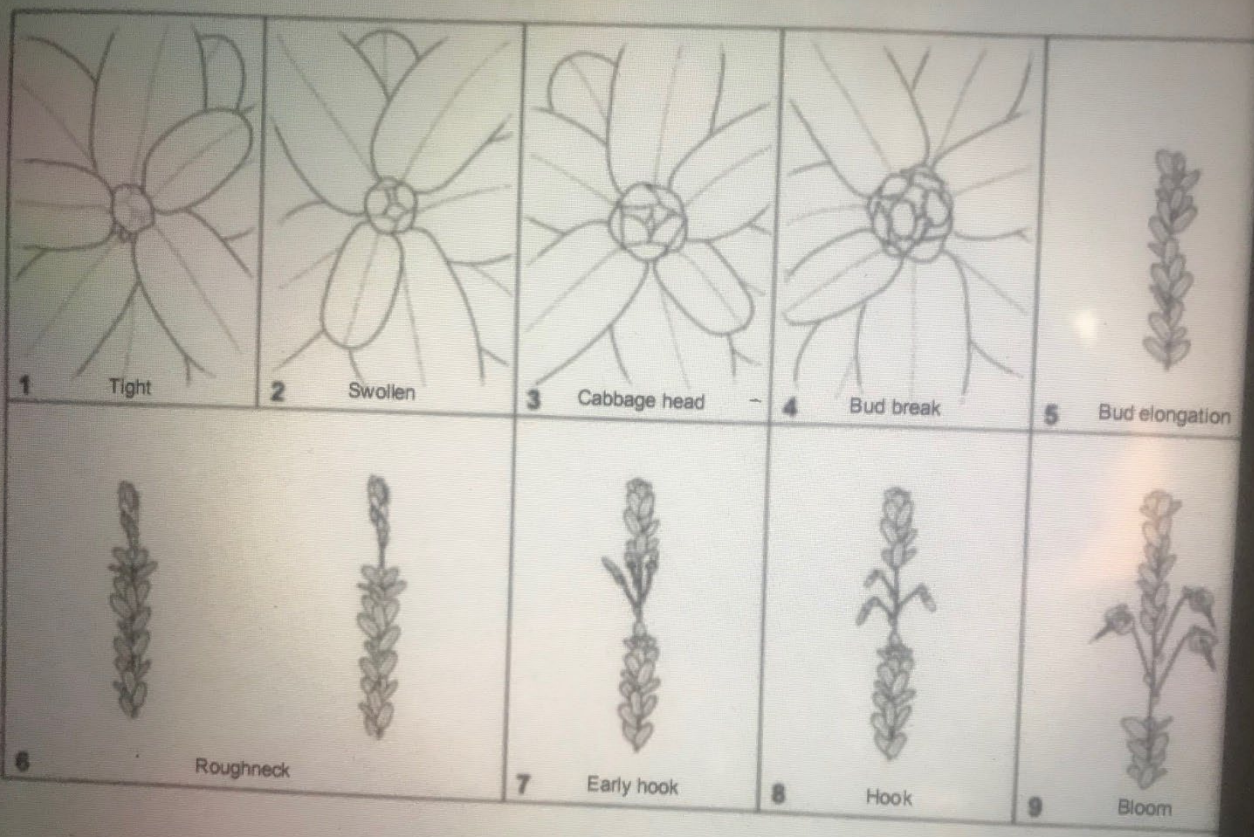
2022: Cooler Start and Warmer (Drier) Finish (farmwest.com)

	May 10	June 10	September 20
2021	880	1306	3123
2022	837	1257	3149

2022: Cooler Start and Warmer (Drier) Finish

	May 10	June 10	Sept 20
2021	880	1306	3123
2022	837	1257	3149

- Impact on phenology (flowering)?
- Impact on fruit colour?
- Impact on Yield?
- Impact on Fruit Rot? (We continue to have very low levels of fruit rot and BCCRF – fungicide program)

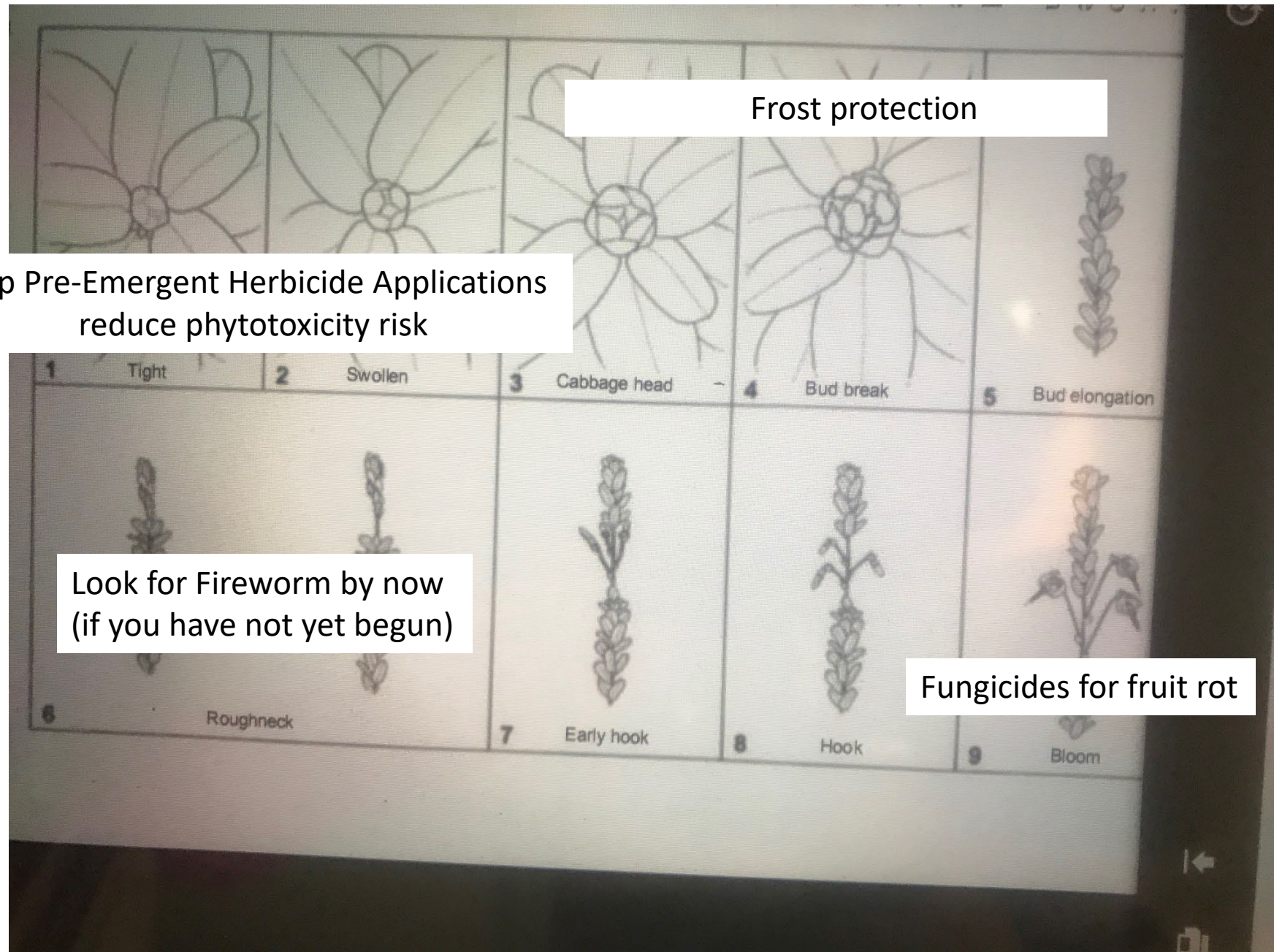


Frost protection

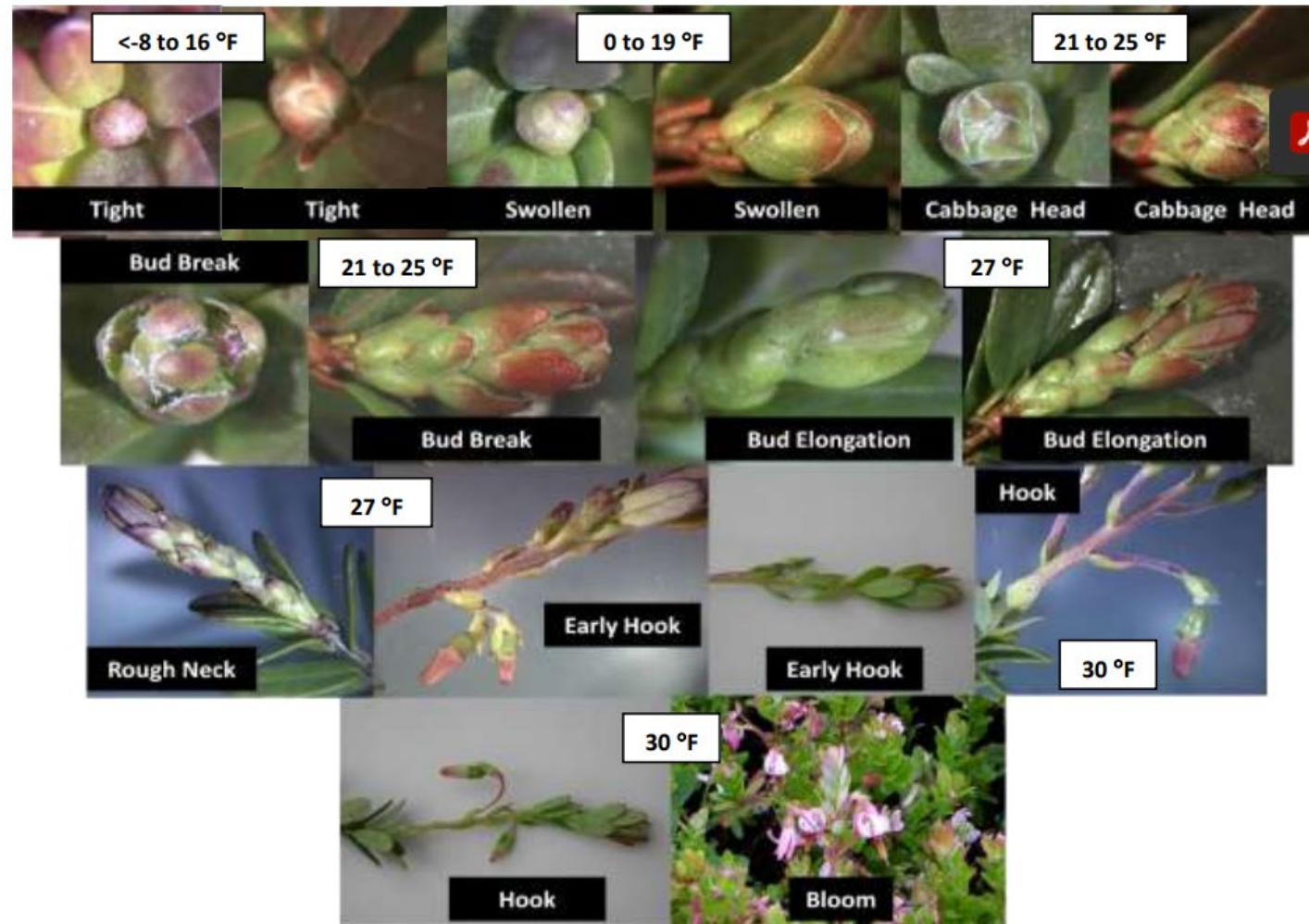
Stop Pre-Emergent Herbicide Applications
reduce phytotoxicity risk

Look for Fireworm by now
(if you have not yet begun)

Fungicides for fruit rot

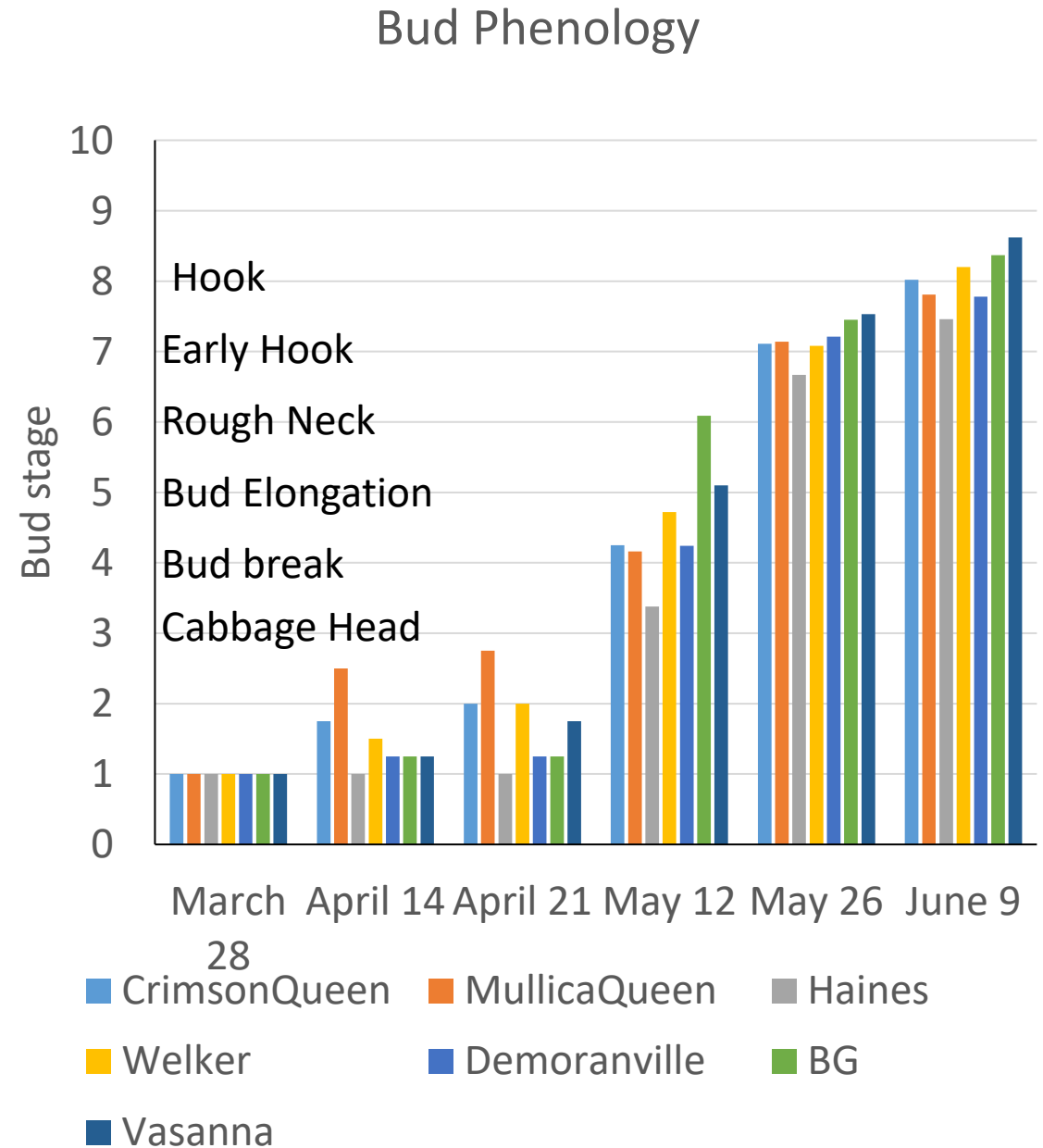


Google: Workmaster and Palta

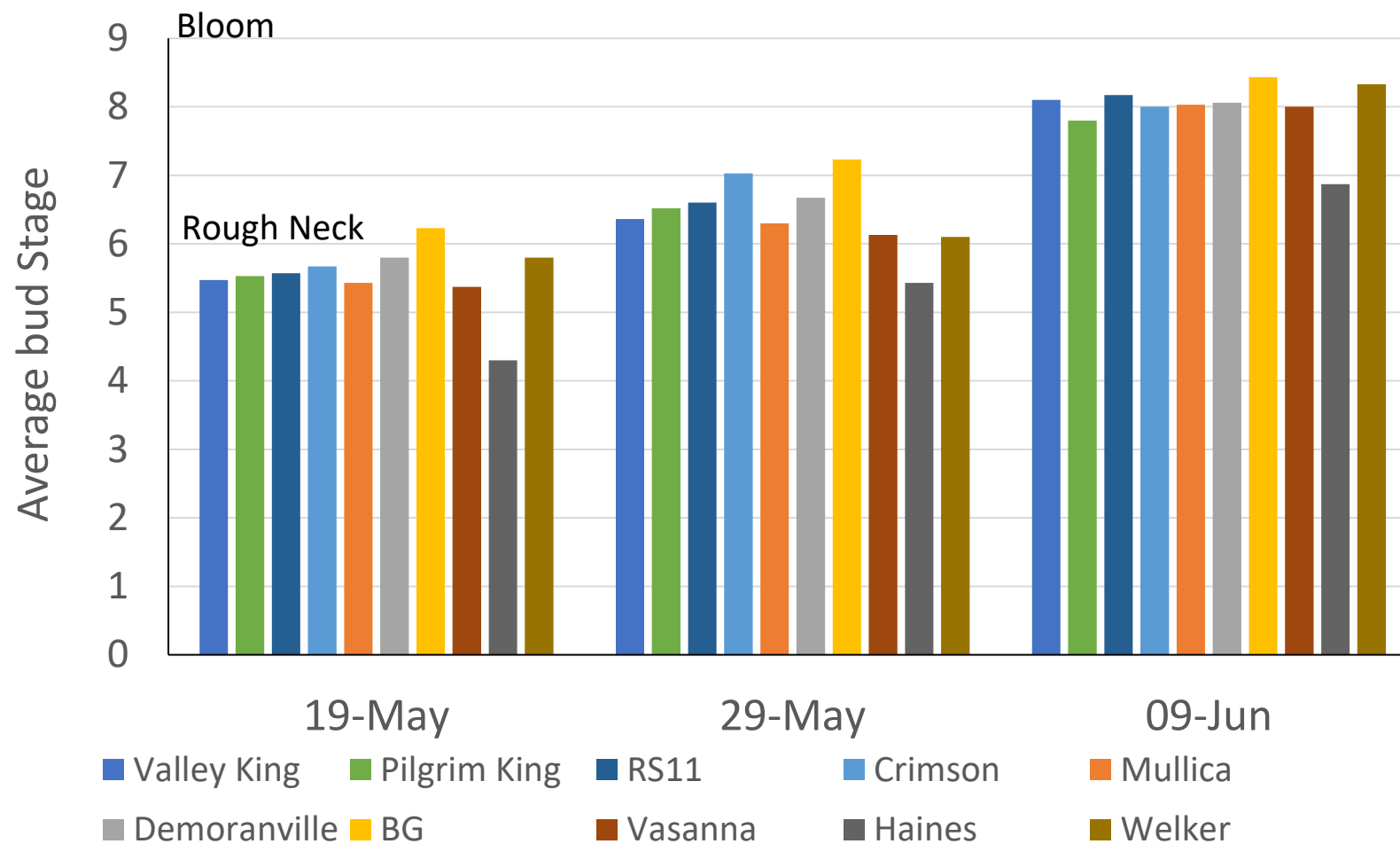


Upright Phenology 2019 to 2021

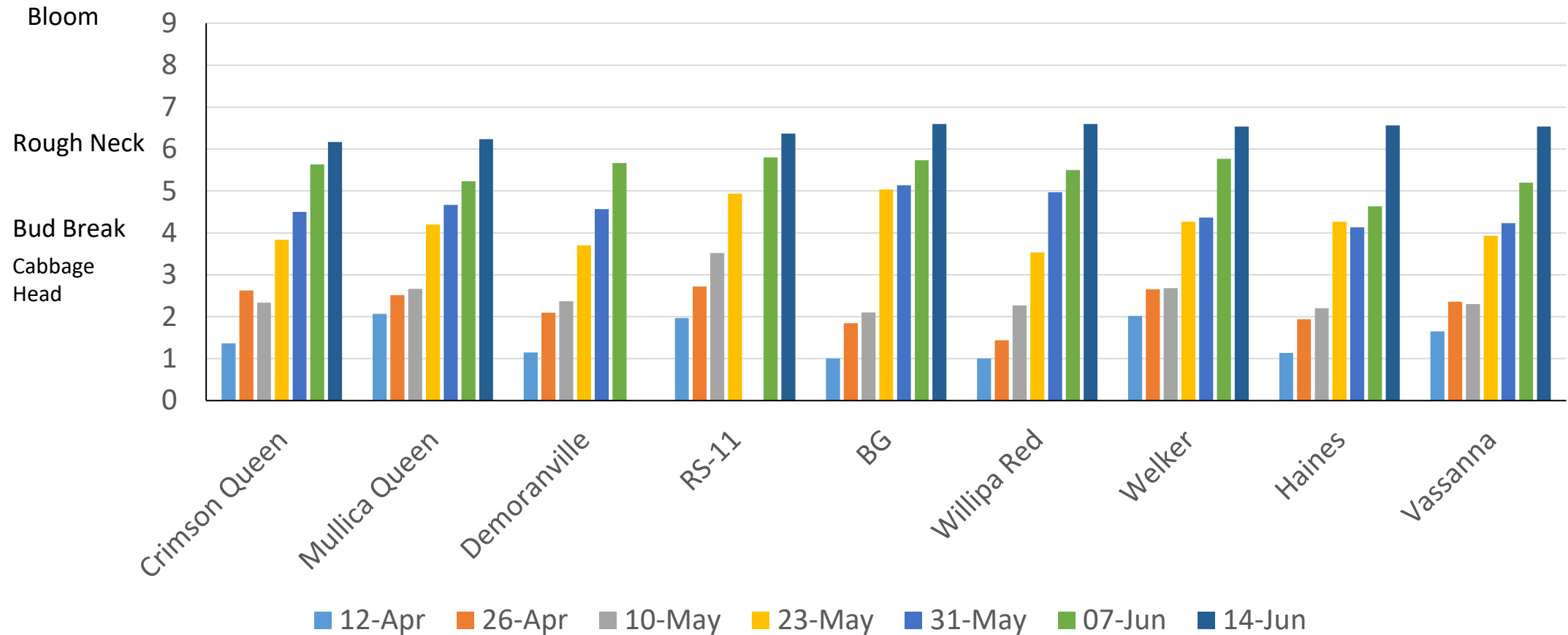
- Three years of data to show that BG and Mullica Queen are relatively early to do most things
- Haines is relatively slow to do most things



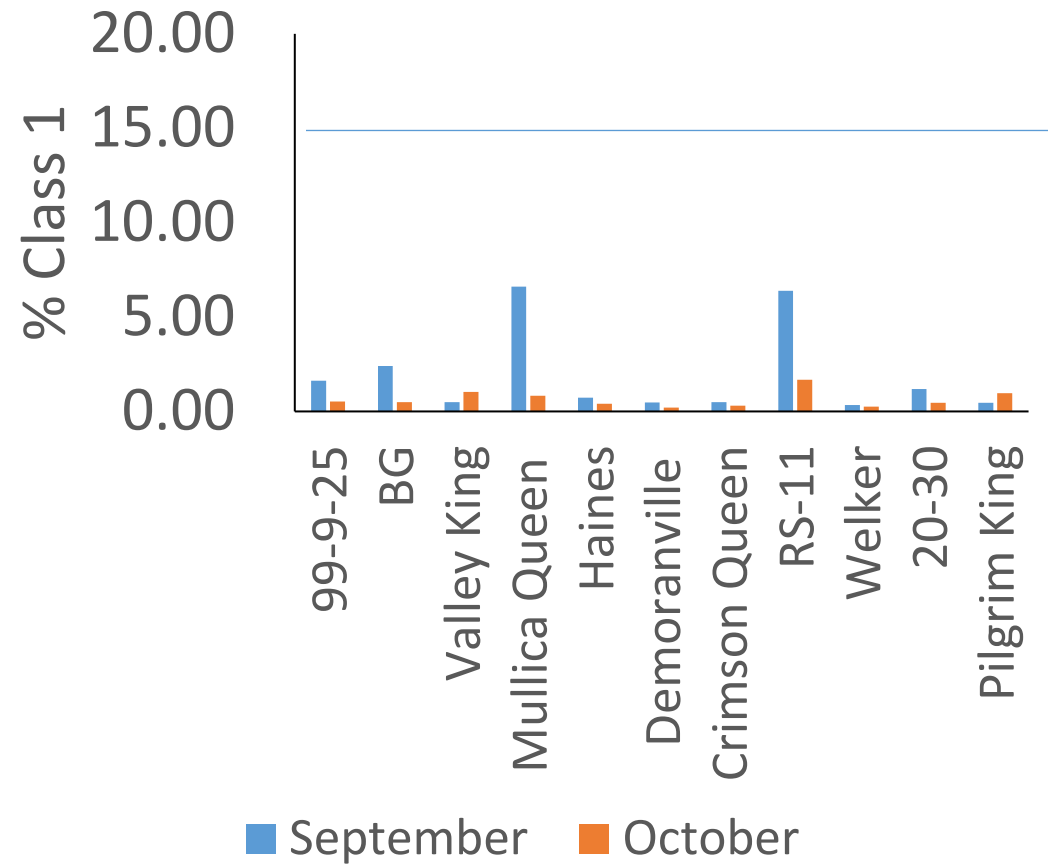
2021 Upright Phenology



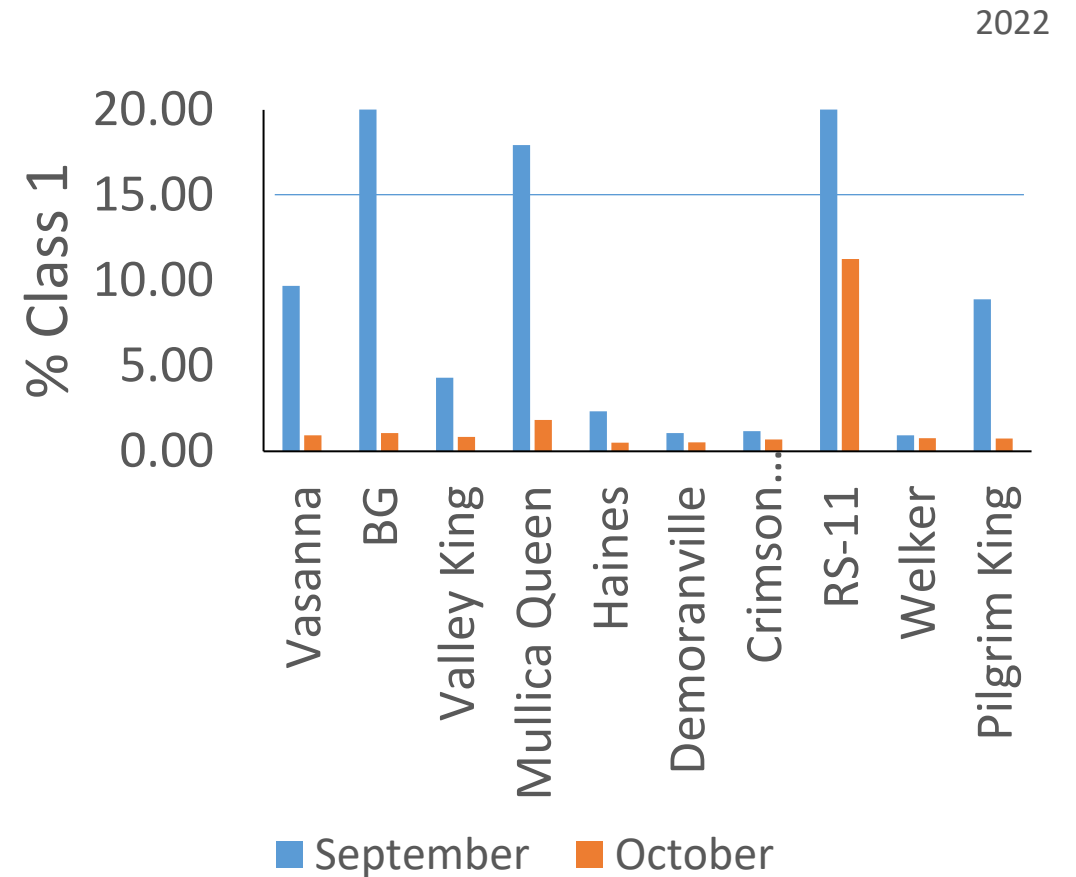
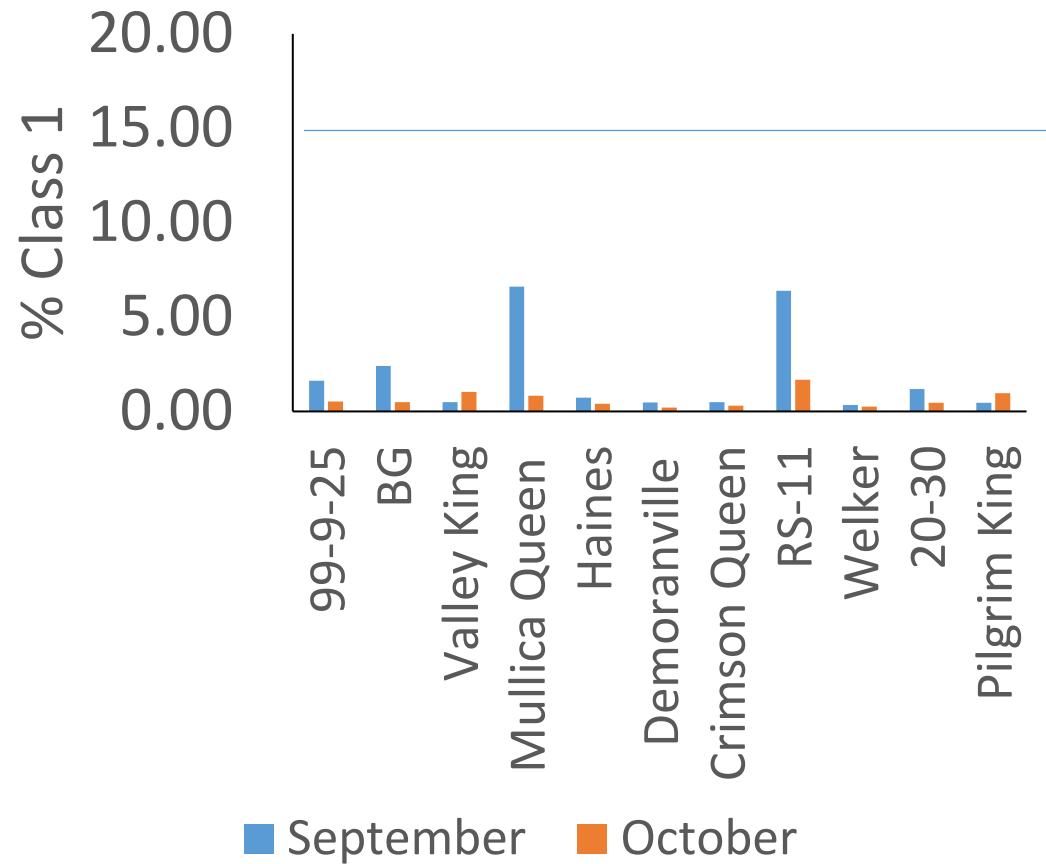
2022 - Bloom was much later & Haines did not lag behind



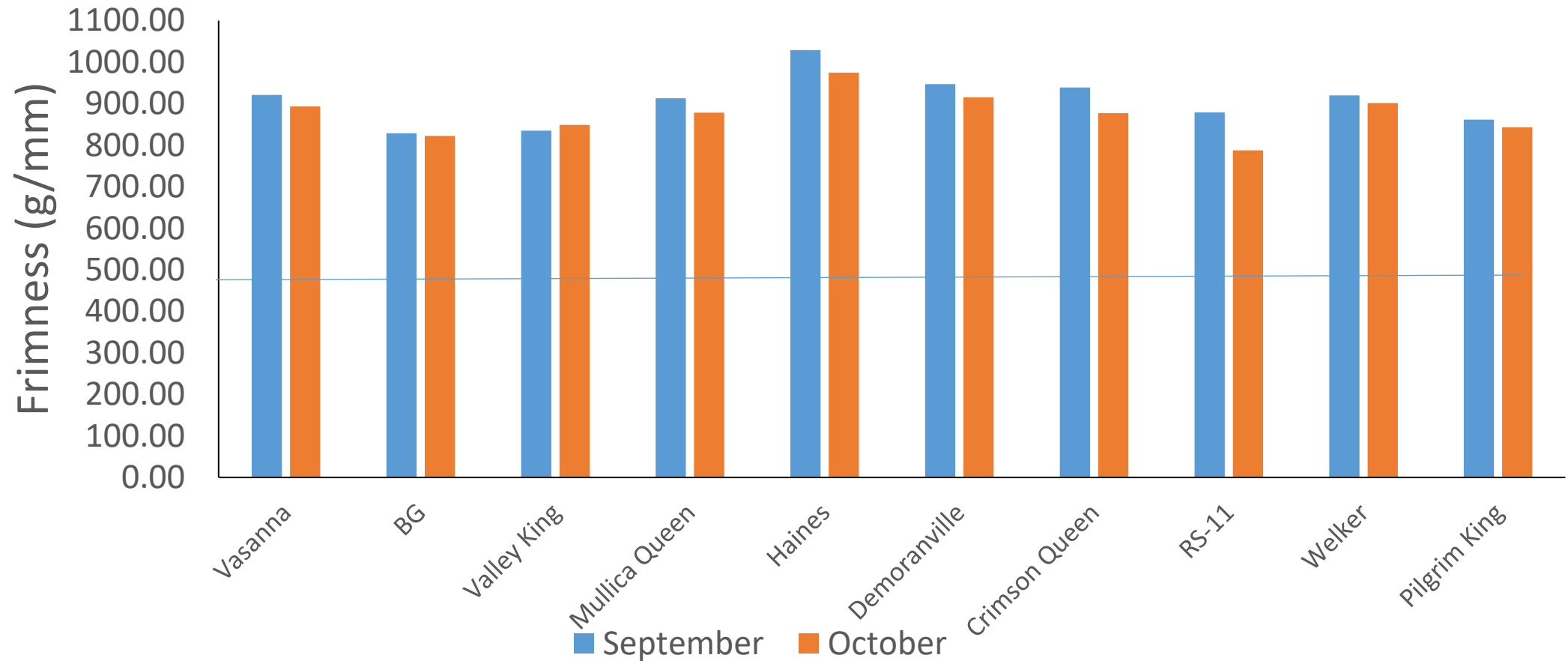
In 2021 all fruit were below the 15% for Class 1 fruit by September 20



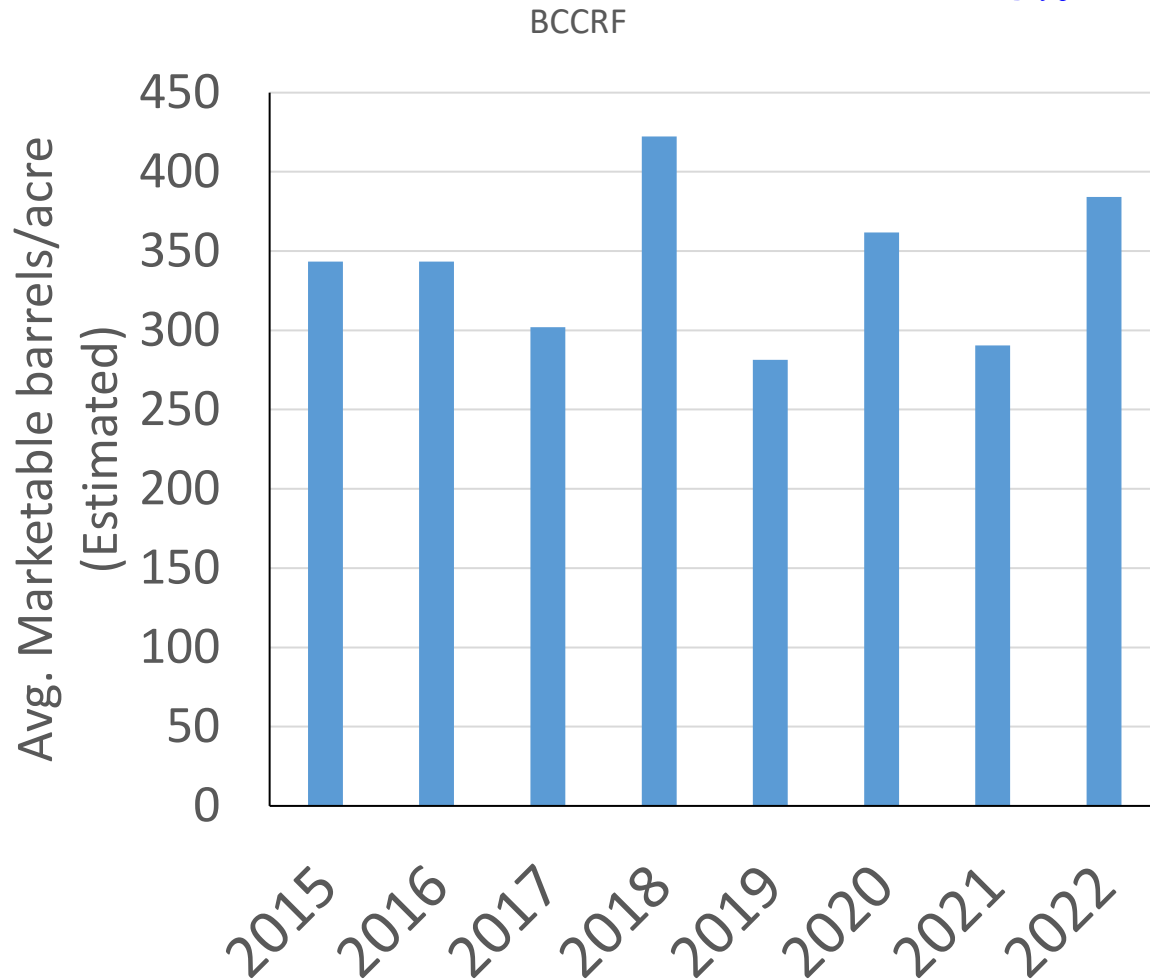
In 2022 slower fruit colouring - but all varieties below the 15% by early October



Fruit Quality not impacted - but remember these are from hand-harvested fruit



2022 yield was higher for most varieties



- 2022 overall yield for released varieties (Field 1 + Valley King in Field 2) was highest since 2018

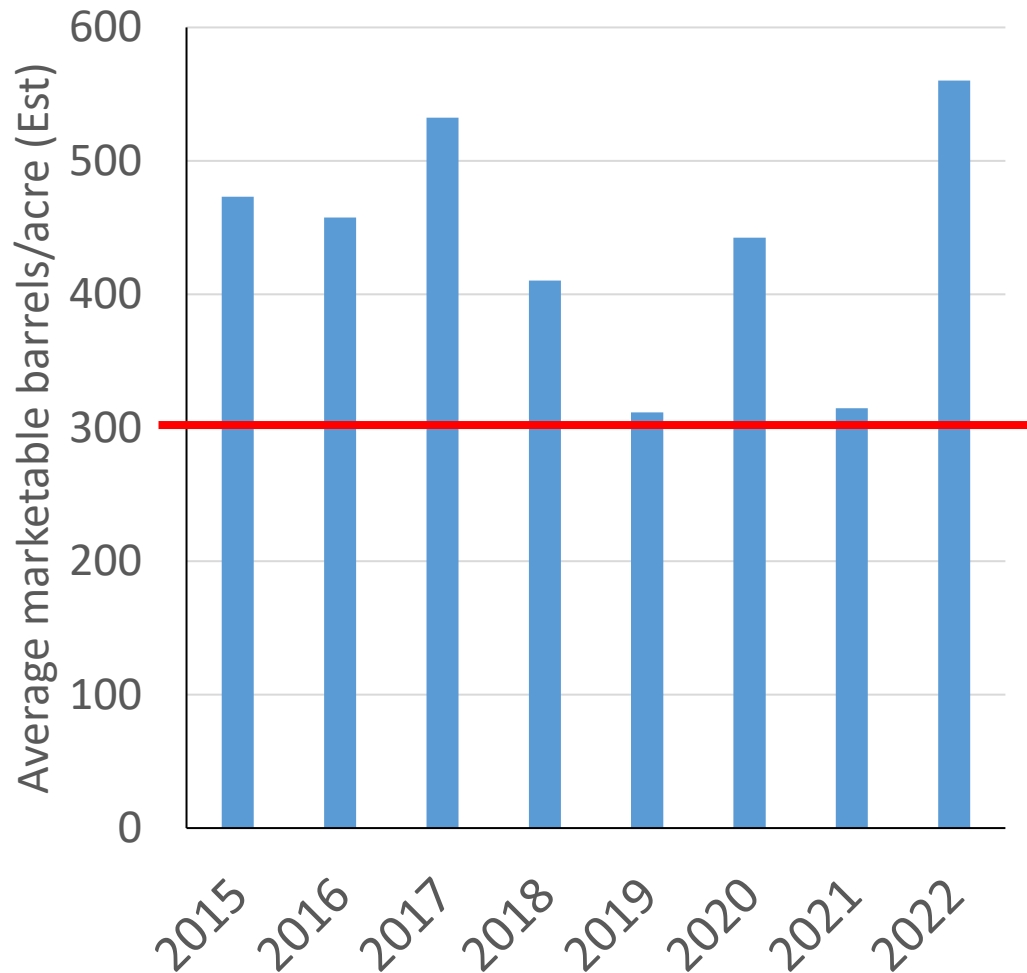
Cranberry Research Farm Update: 2022 Results

- Yield (2015 to 2022)
- Rutgers
 - Released Varieties
 - Numbered
 - High Yield Numbered Varieties (2015 planting)
 - Fruit Rot Resistance Varieties (2016 plantings)
- Valley Corp
 - Released Varieties

Cranberry Research Farm Update: 2022 Key Points

- Rutgers Varieties:
 - 2021: Yield is down in all varieties compared to 2020
 - 2022: Yield is up in all varieties compared to 2021
 - 2022: All released varieties and RS-11 yield over 300 barrels/acre
 - “Biennialness”

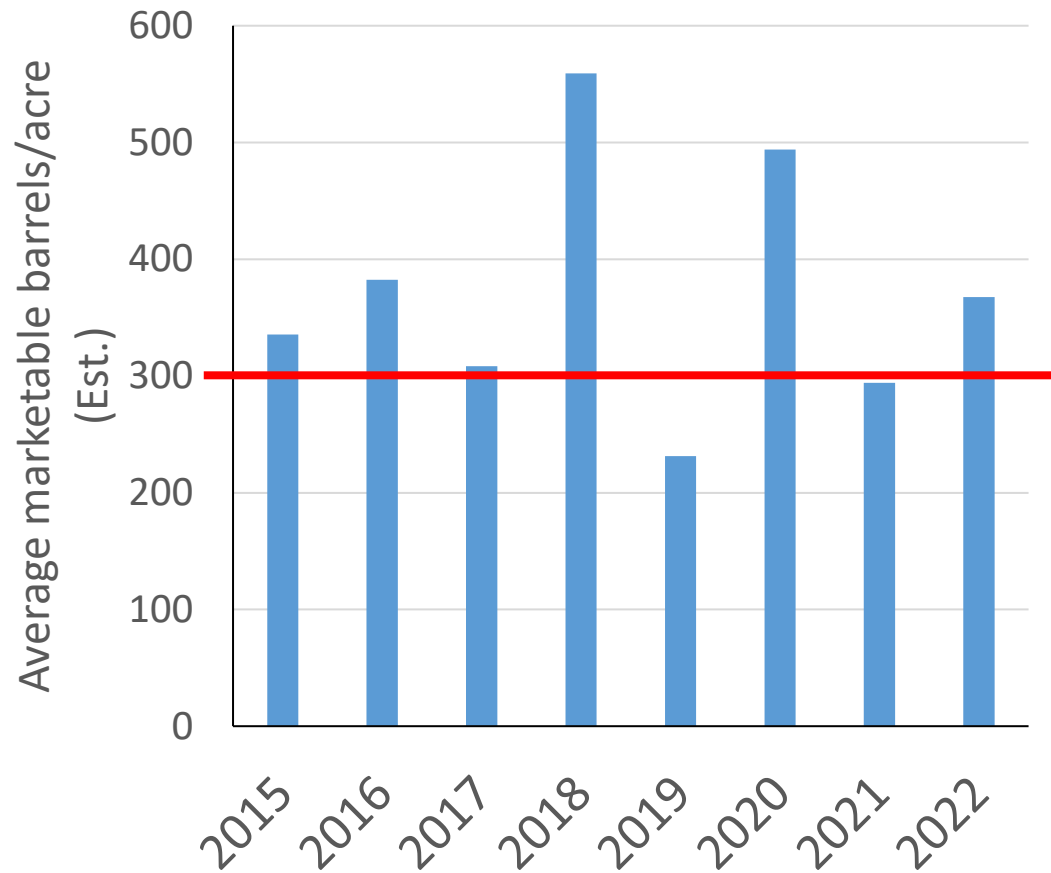
Vasanna (RS99-25)



- Data are only from Field 1
- 8-year average 437.87 estimated barrels/acre
- Highest Yield in 2022



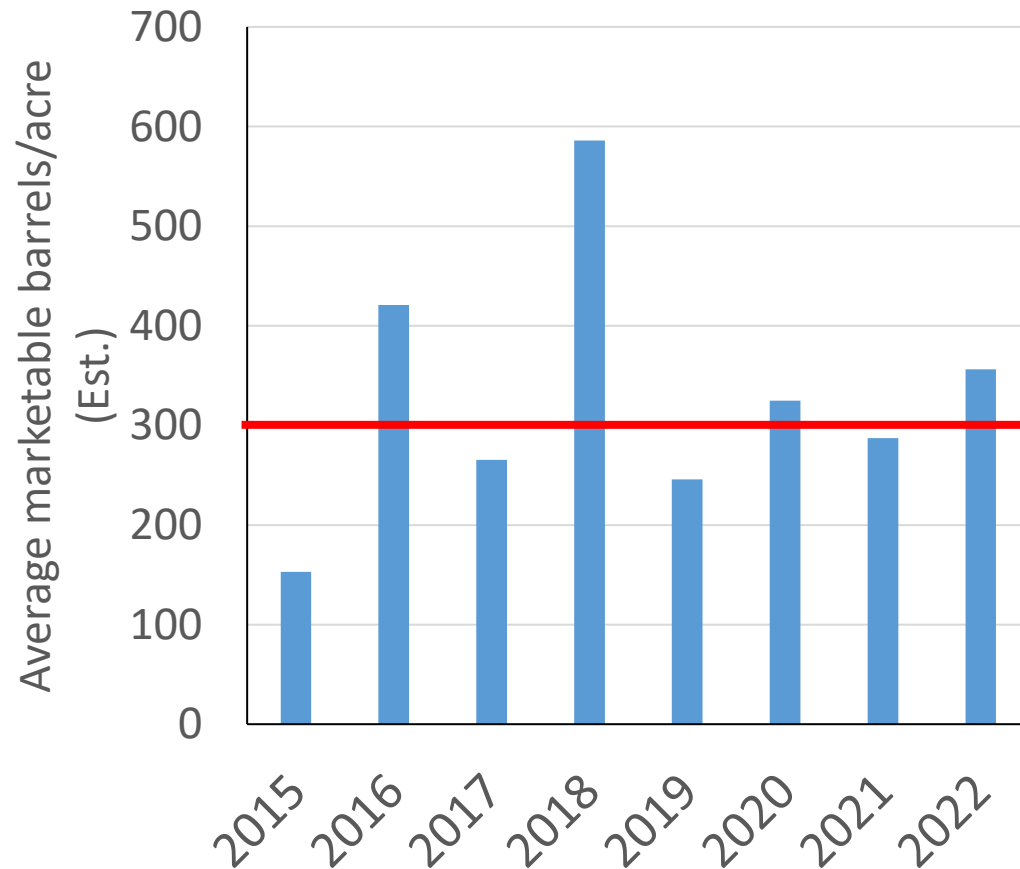
Crimson Queen



- Data are only from Field 1
- 8-year average 376.75 estimated barrels/acre



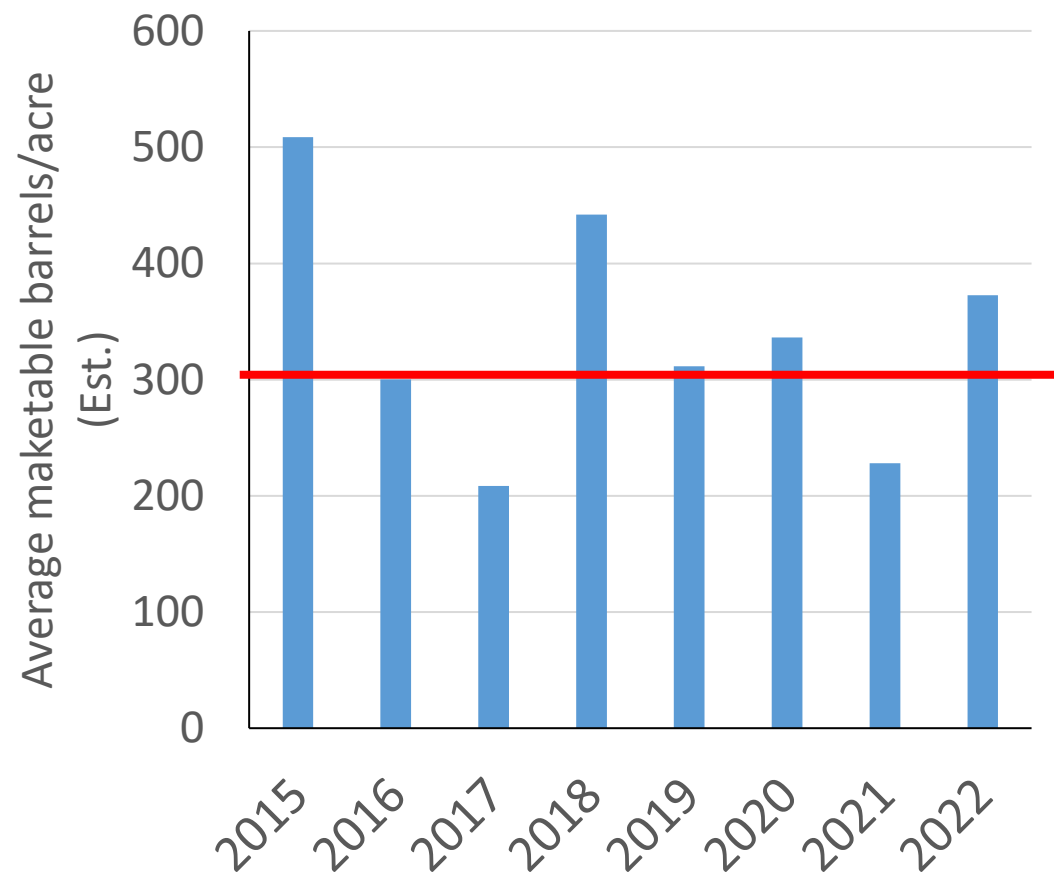
Mullica Queen



- Data are only from Field 1
- 8-year average 330.03 estimated barrels/acre



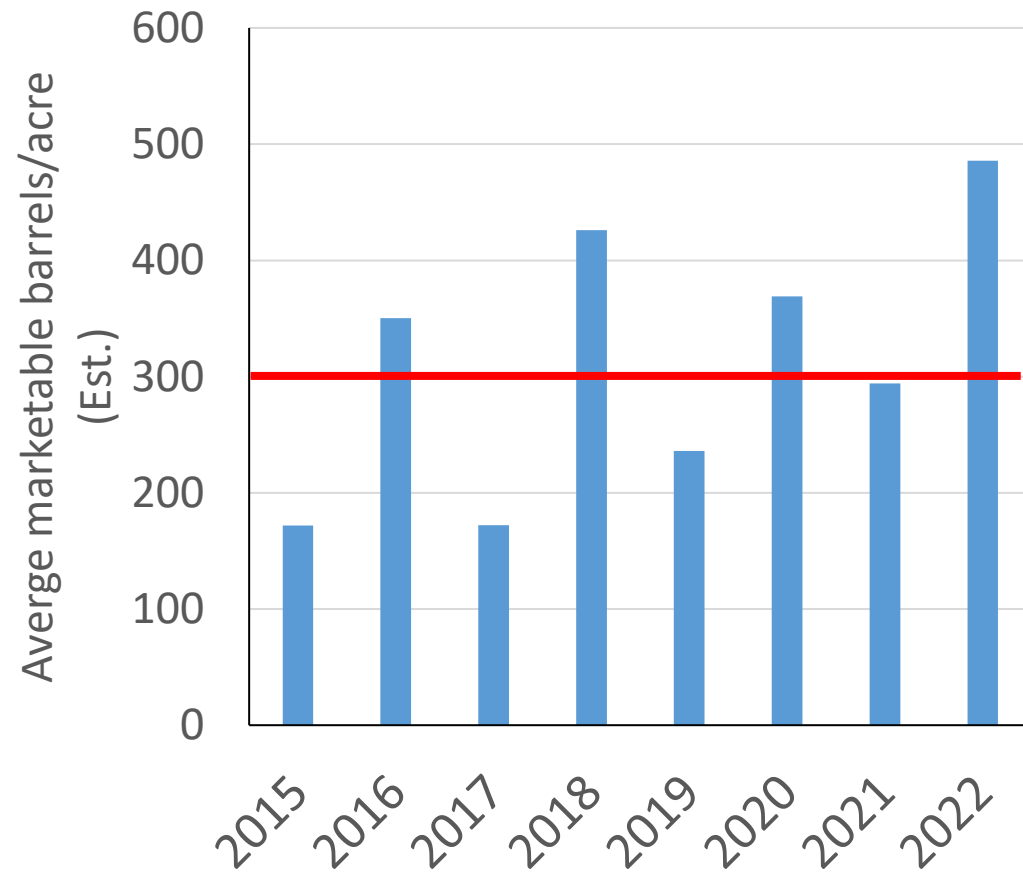
Haines



- Data are only from Field 1
- Third Highest Yield in 2022
- 8-year average 338.48 estimated barrels/acre



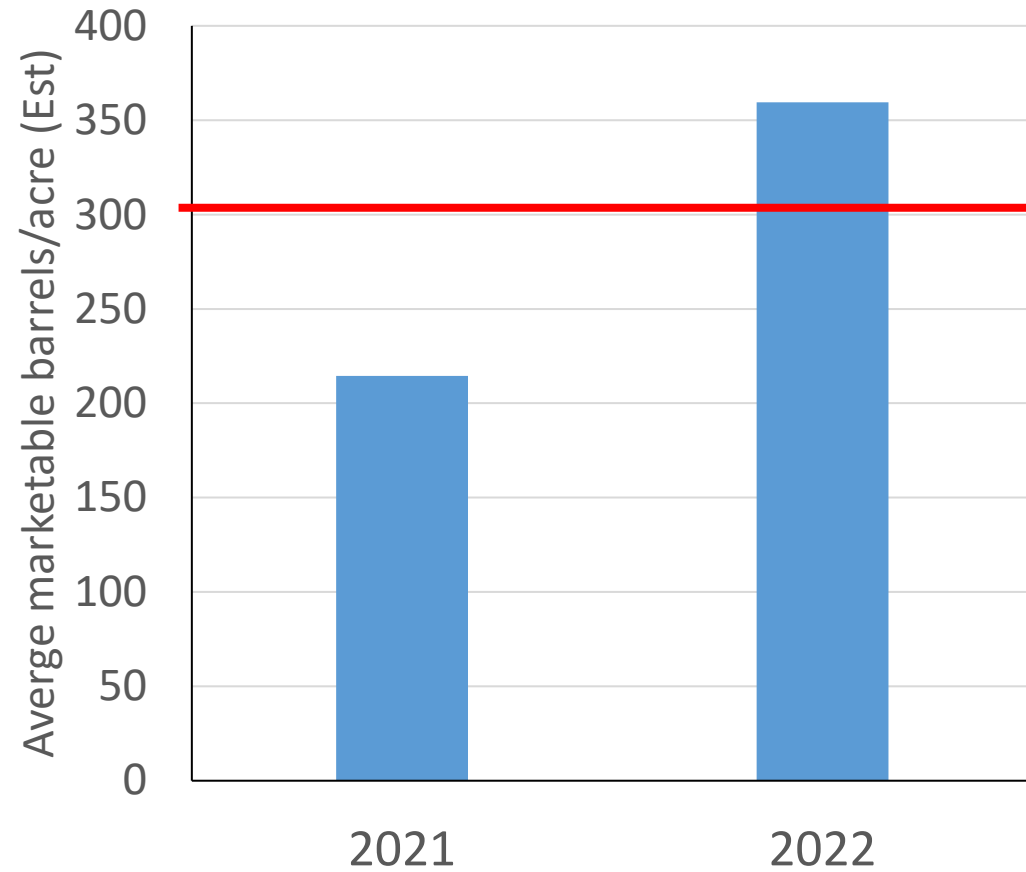
Demoranville



- Data are only from Field 1
- Second highest yield in 2022
- 8-year average 313.16 estimated barrels/acre



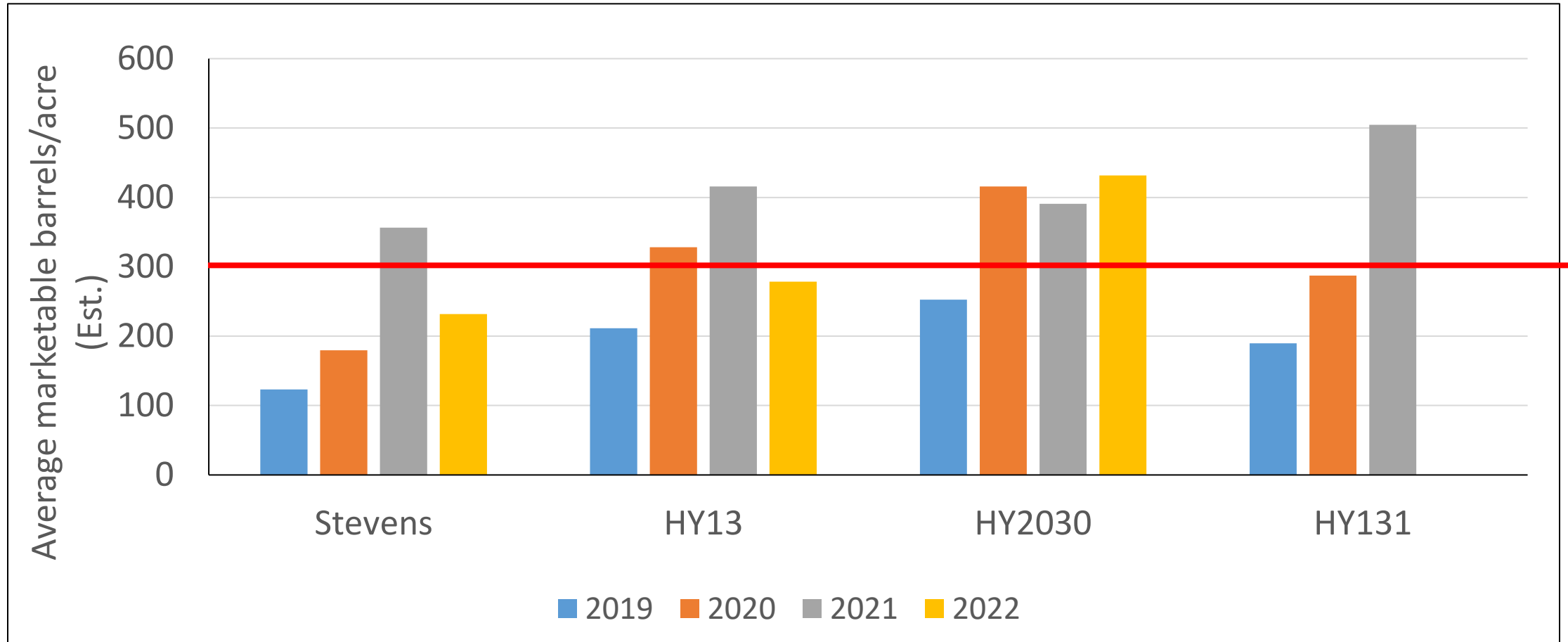
RS-11**



- Data are from Field 1 (planted in 2018)
- 2-year average 287 estimated barrels/acre



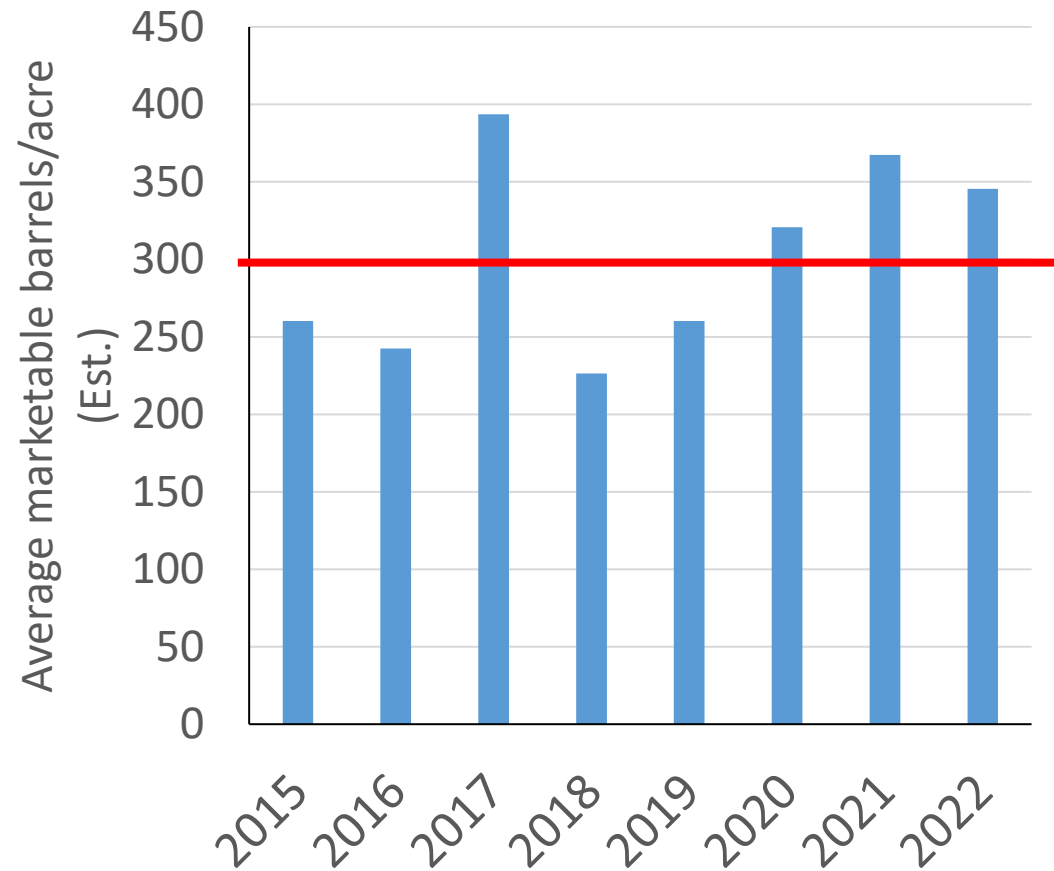
2015 Plantings: High Yield Varieties



Cranberry Research Farm Update: 2022 Key Points

- Valley Corp. Varieties (Pilgrim King, Valley King, BG)
 - 2021: All varieties over 300 barrels/acre
 - 2022: Yield is 20 barrels/acre + or – from 2021
 - 2022: All three varieties over 300 barrels/acre

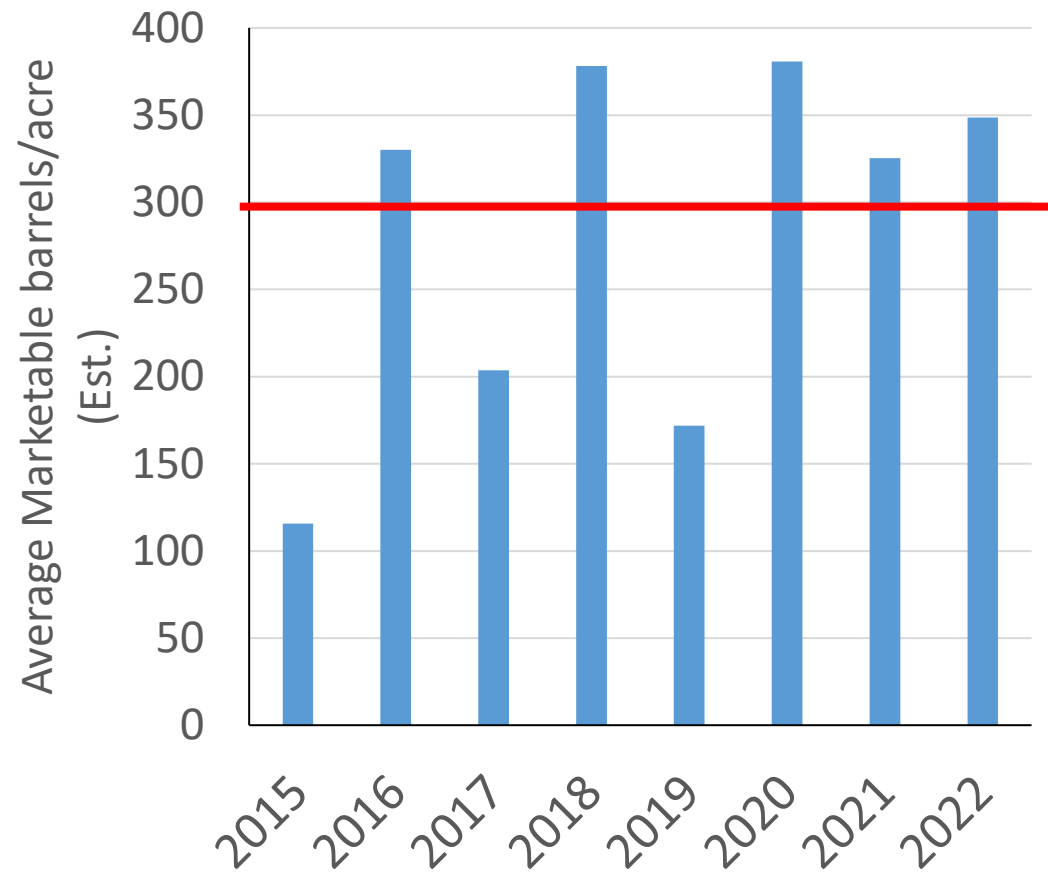
Valley King



- Data are only from Field 2 (small plot)
- 8-year average 302.15 estimated barrels/acre



BG



- Data are only from Field 1
- 8-year average 281.76 estimated barrels/acre



Acknowledgements

DELIVERED BY

FUNDING PROVIDED BY



- “This project was funded in part by Agriculture and Agri-Food Canada and the Government of British Columbia through programs delivered by the Investment Agriculture Foundation of B.C.”
- Rutgers – Dr. Nick Vorsa and Jennifer Johnson-Cicalese
- Daniel Dufau – Website updates and maintenance
- Field and lab crews: ES Cropconsult Ltd. (Miriam H. and Elizabeth Jeffs) UFV (Jack Duiven)
- BC Cranberry Research Farm – Especially Grant Keefer
- Ocean Spray of Canada – Miranda Elsby (you will be missed!) and the lab staff and Richmond station staff
- BC Cranberry Market Commission – Especially Mike Wallis (for encouragement) and Coreen Rodger Berrisford (for patience).

bccrf.ca

The screenshot shows a web browser window with multiple tabs open. The active tab is titled 'bccrf' and the address bar shows 'bccrf.ca/signin'. The website has a red header with the text 'British Columbia Cranberry Research Farm - Data'. The main content area is white and contains the following text:

Welcome to the farm.

Owned and operated by the non-profit **BC Cranberry Research Society**, the BC Cranberry Research Farm field trials cranberry cultivars with the goal of providing BC Cranberry Growers with the information they need to grow effectively and efficiently.

At this time we are only providing data access to regional growers and researchers. Your account information will automatically be submitted into our approval system upon account registration.

Below the text are two buttons: 'Sign in with Google' (white with a Google logo) and 'Sign in with email' (red with a white envelope icon).

At the bottom of the page, there is a copyright notice: '© 2021 BC Cranberry Research Farm'.

The Windows taskbar at the bottom shows the search bar with the text 'Type here to search', several application icons (including Edge, File Explorer, and various office apps), and the system clock showing '12:27 PM' and '2021-02-17'.