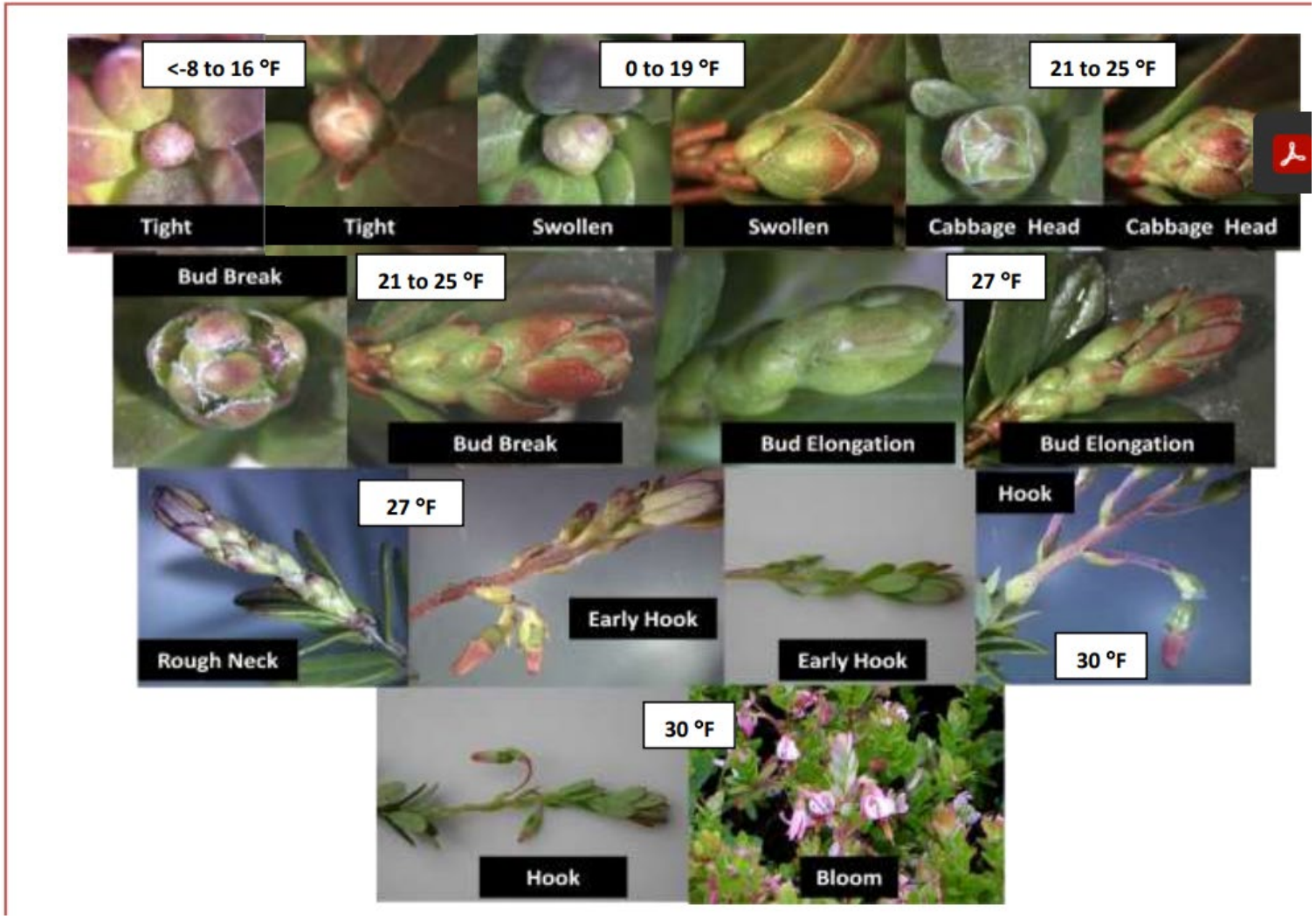
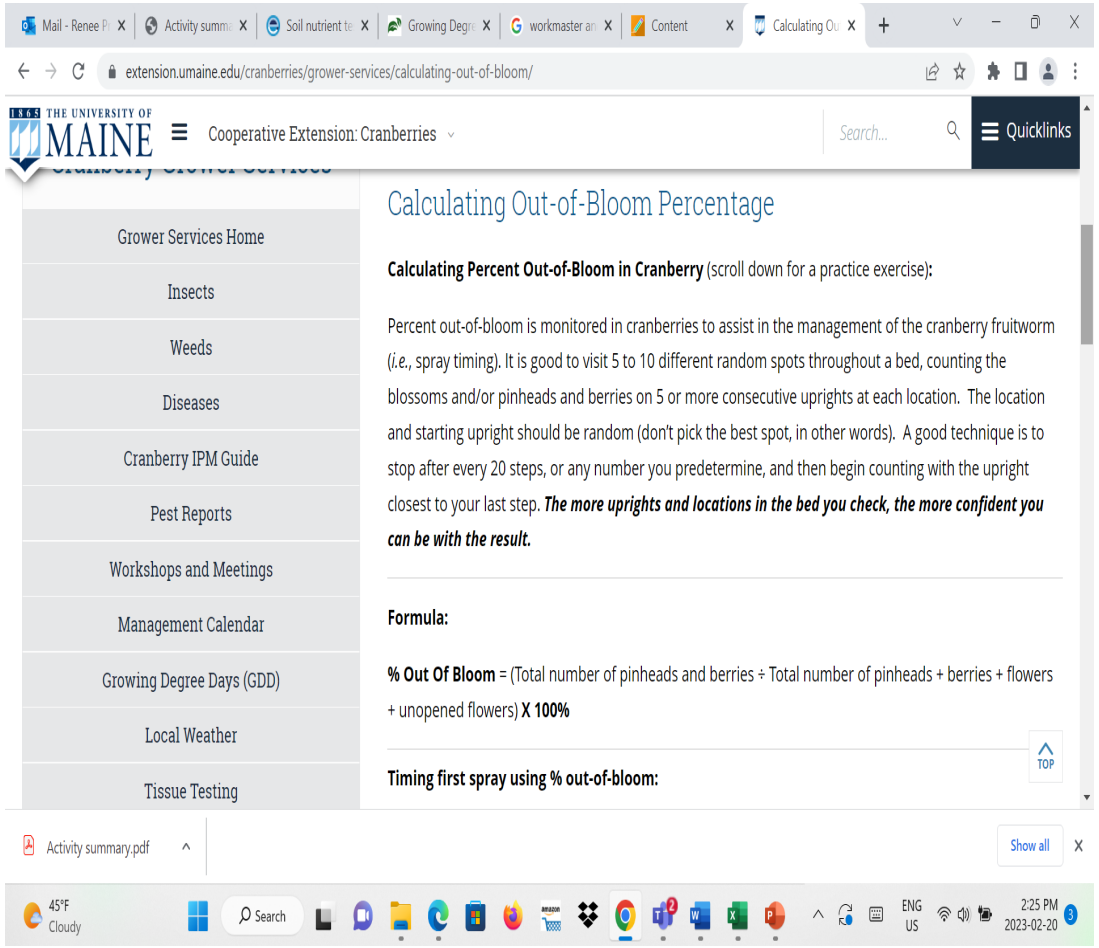
Cranberry Research Farm Update: A small fertilizer trial

- Do phenology differences between varieties really matter so much?
- Can look at this in a number of areas but decided to start with fertilizer
- Timing critical
  - Support fruit development
  - Don’t contribute to overgrowth (lots of runners)
    - Timing and rates

Google: Workmaster and Palta

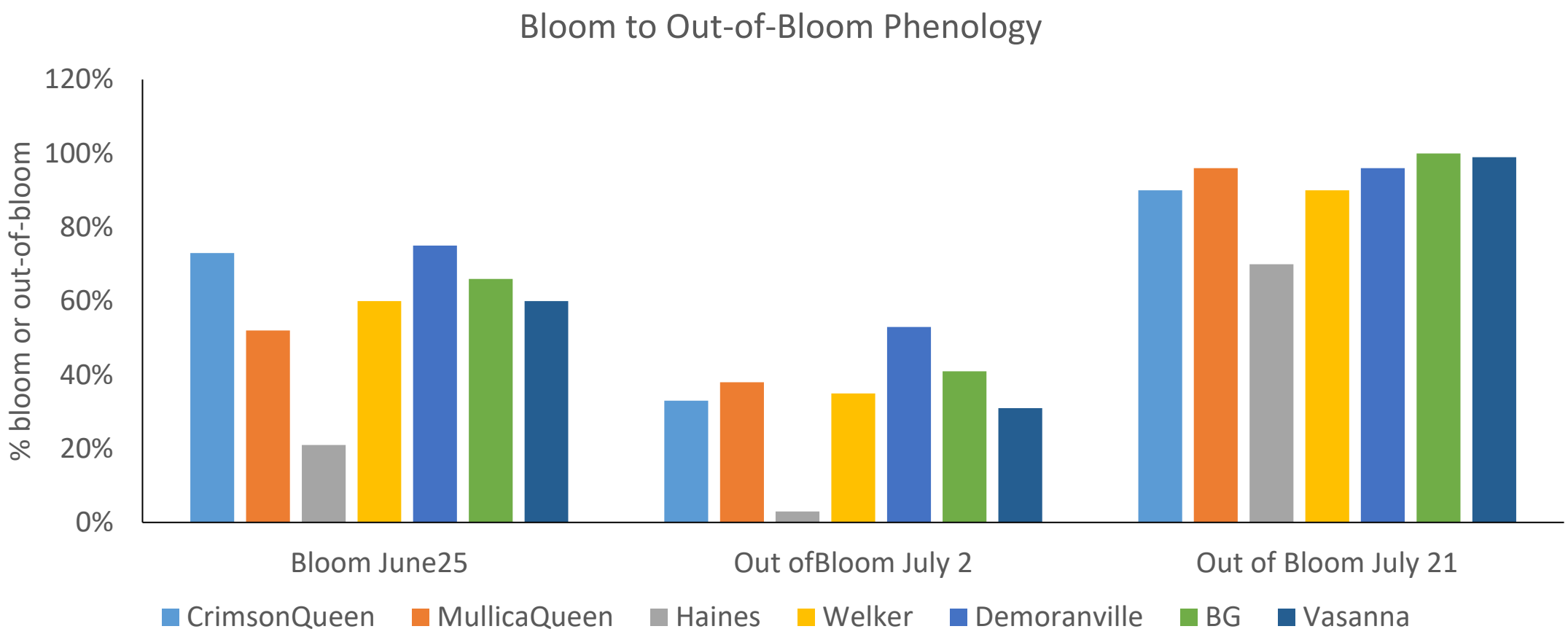


Google: % out-of-bloom cranberries

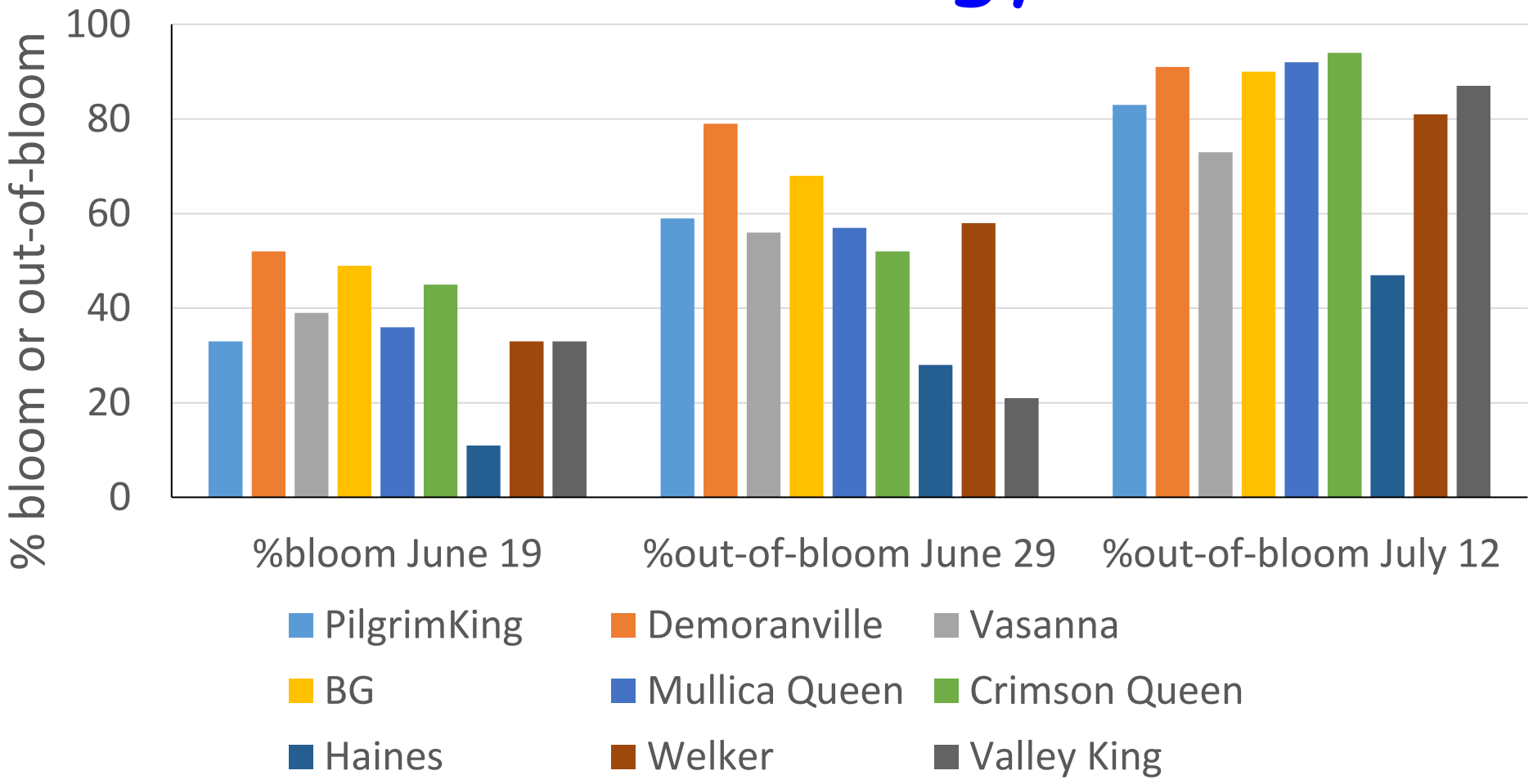


https://extension.umaine.edu/cranberries/wp-content/uploads/sites/40/2010/02/Out-of-bloom.jpg

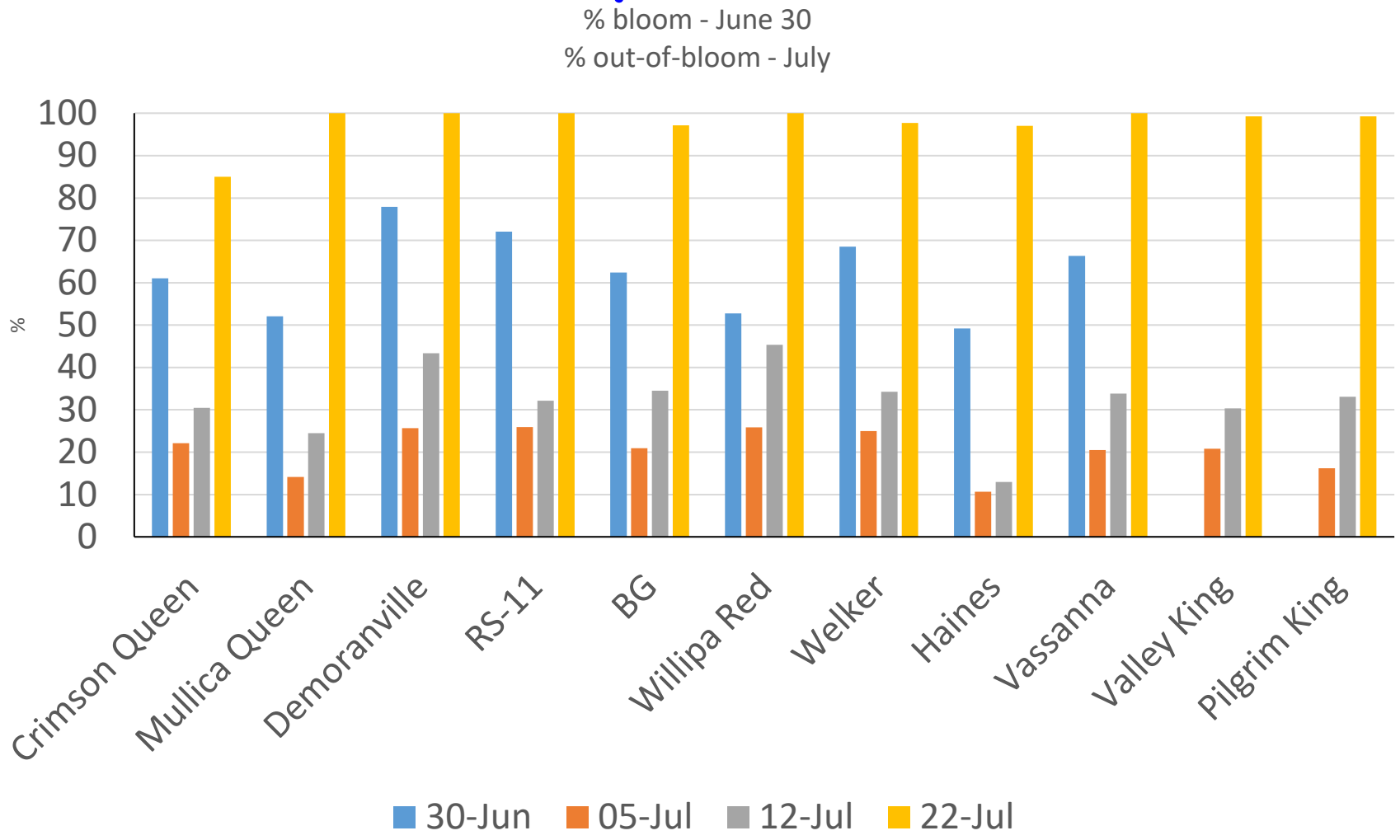
2020 Out-of-Bloom Phenology



2021 Out-of-Bloom Phenology



2022: Mullica & BG about a week ahead of Haines



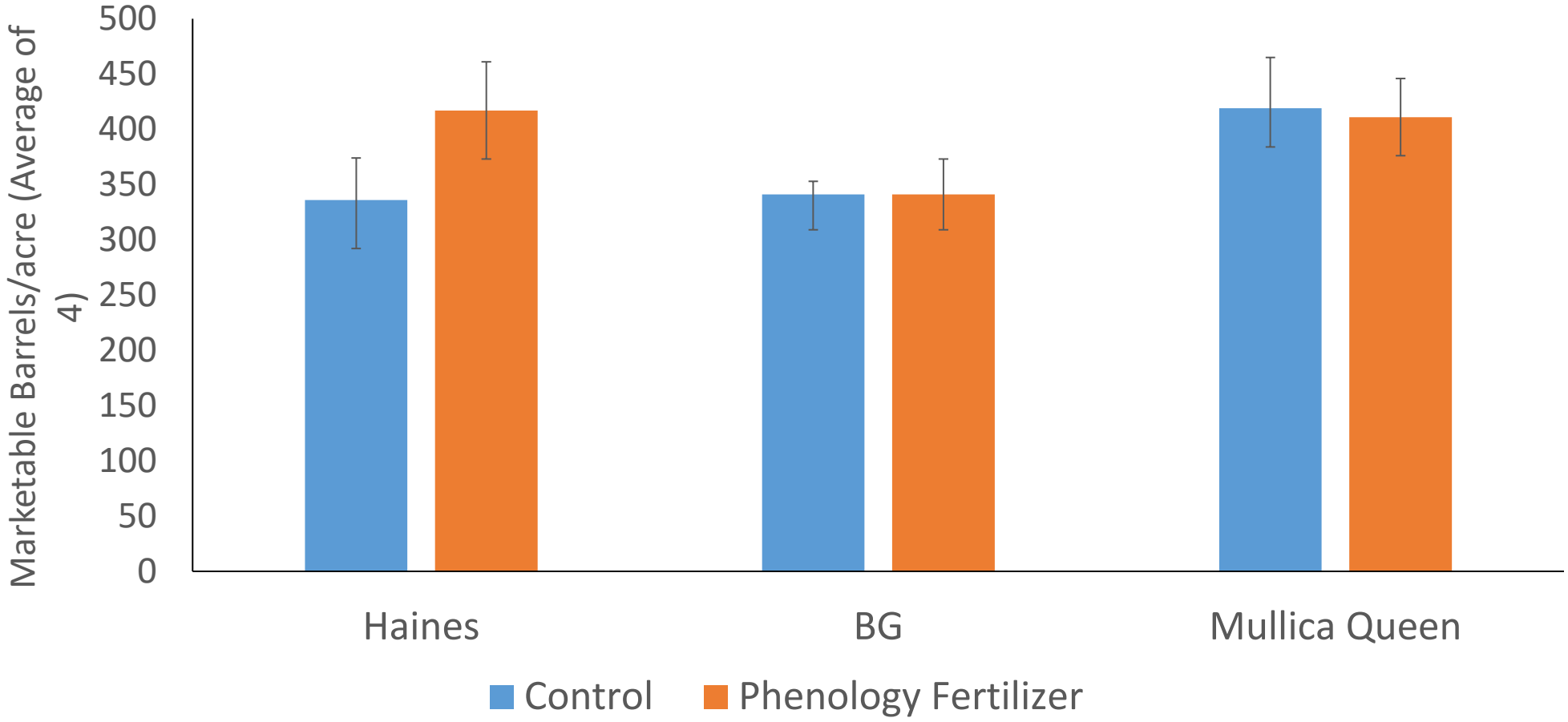
Methods

	1st Application	2nd Application	3rd Application
Mullica Queen	July 5	July 12	July 22
BG	July 5	July 12	July 22
Haines	July 12	July 22	July 29
Grower	July 5	August 4	

Methods

- 20 ft plots X 4 per variety
- Treatments
  - 9-17-26 (Rates as per Miranda's trial – lower N rates)
  - 3 applications
- Grower
  - 8-24-24
  - 2 applications
- Flags = grower did not apply fertilizer
- Control in North-South Transect
- We know there is a East-West nutrient gradient in some areas of Field 1

Results - Yield



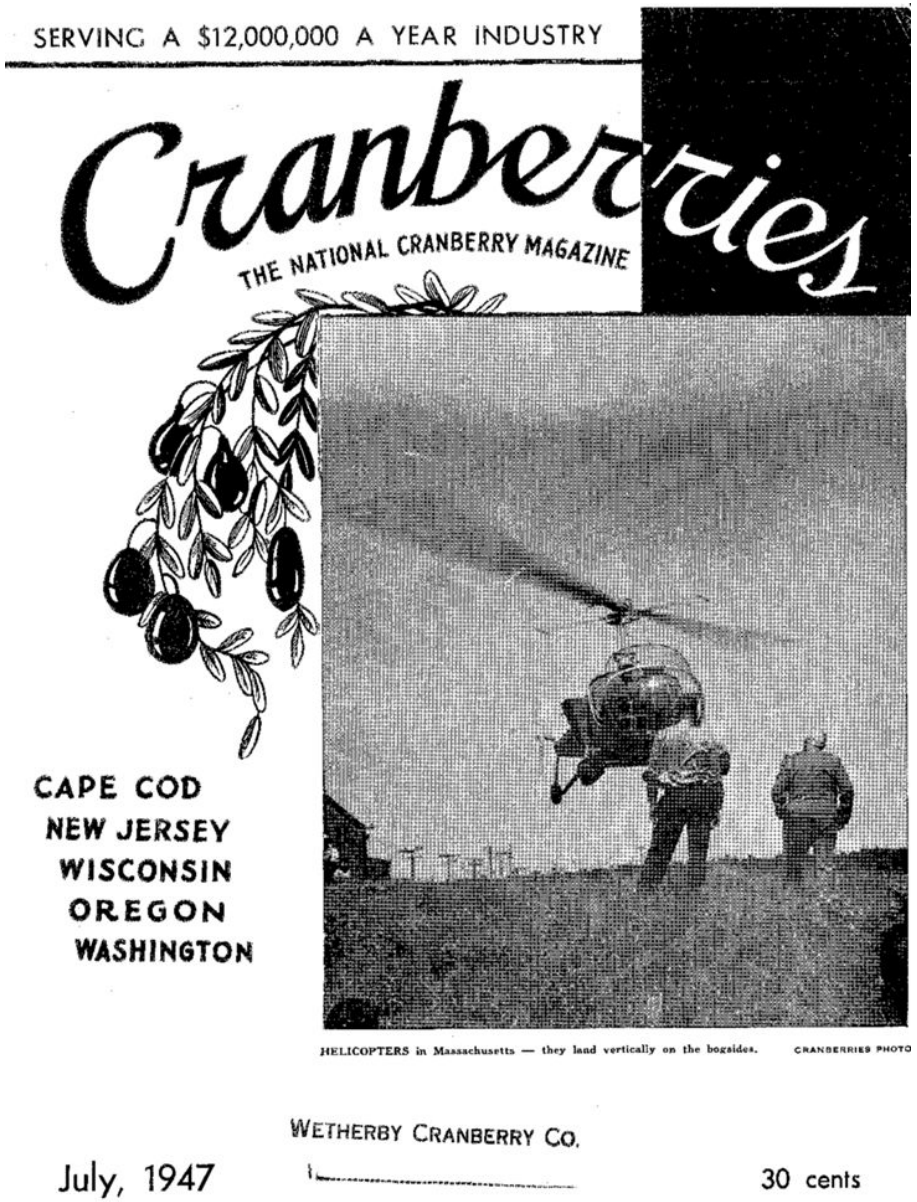
Results - Runners

	Haines	Mullica Queen	BG
Control	0.25	1.25	0.25
Penology	0.5	1.25	1.25

http://cdn.shopify.com/s/files/1/0011/7401/1967/products/cranberry.sm.44a_1024x1024.jpg?v=1522014161

Next Steps

- Continue in 2023 – look for differences in canopy development
- Foliar nutrient status (pooled sample for 4 plots)
- Repeat in same plots
- Add new plots (maybe)



https://content.wisconsinhistory.org/iiif/2/cran:3475/full/730,/0/default.jpg

Acknowledgements

DELIVERED BY

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