

**SpudPro Meeting
November 1, 2022
Hancock Research Station**

Present: Chairman Mike Copas, Jeff Endelman, Tamas Houlihan, Troy Fishler, Josie Spurgeon, Becky Eddy, Amber Walker, Mick Kolpack, Larry Alsum, Brian Lee, Mark Finnessy, Maria Caraza-Harter, Brooke Babler, Emily Bauer, Cheri ?, Gary Bula, Mac Bean

Virtual: John Petty, Yi Wang

Chairman Mike Copas called the meeting to order 1:02 p.m.

For trial reports and minutes from the 2021 meeting, visit the website:

<https://potatobreeding.cals.wisc.edu/SpudPro>

Russets

Jeff Endelman

- W13008-1rus
 - Fresh market variety with low set, larger size profile
 - Seems more resistant to hollow heart
- W13A11229-1rus
 - Dual purpose, has graduated from the National Fry Processing Trial
 - More intermediate in terms of tuber set
 - Some hollow heart
 - Consistently higher specific gravity and lower reducing sugar than Burbank
 - Fry appearance and texture comparable to checks
 - Mike brought last year's trial data, he doesn't have 2022 data yet, similar to what Jeff had seen from a hollow heart perspective. Shape is good, size distribution is very uniform.
 - Mike passed around samples grown on Isherwood Farms
 - McCain has trialed this also; Mac distributed a handout showing above average yield and specific gravity. Biggest issue was greening – set was higher in the hill. Small percentage of misshapen tubers and rot, no hollow heart. Overall McCain is happy with the variety and will send some to product advancement for trialing

Yi Wang

- Agronomic trial of new varieties; early season russets
 - W13008-1rus
 - W13A11229-1rus
 - W9742-3rus
- Tuber set overall not much different between early dig and full season
- W13008-1rus has less tuber set per acre
- Culls depend on N treatment
- All have reasonable marketable Yield
- N treatment effects – early dig, higher N rate resulted in more culled tubers (misshapen, diseased, green)
- Full season – higher N means less tubers that are small (4-6 oz.) and more that are large (10-16+ oz.)
- Two year variety trial summary for full season
 - Total yield of W13A11229-1rus is significantly higher than Plover, Reveille, and W13008-1rus
 - Marketable Yield for W13A11229-1rus is significantly higher than Caribou, has a higher specific gravity than other russets
 - W9742-3rus – processing russet that didn't go through the SpudPro program but was licensed to McCain, they're still evaluating, has the highest gravity of all varieties, also has

good size and shape but is lower yielding, less tubers per plant but very good marketable yield

Brooke Babler

- Have hit the target for W13A11229-1rus and this will be going out for distribution
- W13008-1rus went into mini-tuber production but yield was low. Was produced in pot culture, tubers are larger size. Will cut tubers to increase in spring for planting out into fields

Discussion

- Would be good to get data from larger scale trials for W13008-1rus, Alsums are interested
- Will keep going with this one for another year

Jeff suggested naming variety W13A11229-1rus Portage Russet.

M/S/P B. Babler, A. Walker

To name variety number W13A11229-1rus Portage Russet.

Yellows

Brooke Babler

- W13103-2Y – they are a little short but can likely catch up with this
- There are some mini-tubers in production
- Will plant some out and some field year one stuff, should reach target

Jeff Endelman

- Comparison of yellows: W13103-2y | W15240-2y | W15248-17y
- W13103-2y and W15248-17y have darker yellow skin and flesh than W15240-2y
- W15248-17y had lower set than W13103-2y or W15240-2y
- W13103-2y was the best yielding yellow, followed by W15240-2y
- W13103-2y and W15240-2y had excellent resistance to hollow heart, W15248-17y had slight susceptibility

Yi Wang

- W13103-2y | W15234-5y | W15240-2y | W15248-17Y
- W15234-5y have the smallest tuber size, but there are lots of tubers
- W13103-2y is smaller than Colomba and Soraya, but is the highest among the unnamed varieties
- W15234-5y and W15240-2y have a lot of B size tubers
- These are full season varieties
- Will wait another field season to see how these stand up to other varieties

Other

- Will advertise Portage Russet through WPVGA
- Emily indicated that WARF has some budget for advertising, she can share what they've done for cranberries
- We have also created post cards in the past which have been shared at various tradeshow and events

The meeting adjourned at 2:46 p.m.

Respectfully submitted,



Julie Braun
WPVGA Executive Assistant