

**SpudPro Meeting
October 30, 2019
Hancock Ag Research Station, Hancock, WI**

Present: Chairman Mike Copas, Troy Fishler, Clover Spacek, Cole Lubinski, Matt Cogger, Alex Crockford, Felix Navarro, Julie Braun, Jim Mattek, Charlie Mattek, Tamas Houlihan, Bryan Bowen, Mike Copas, Emily Bauer, Jeff Endelman, Lynn Leahy, Becky Eddy, Yi Wang, Moriah Rataczak, Sam Eddy (RARS), John Petty (WI Crop Improvement Assn.)

Chairman Mike Copas called the meeting to order at 10:03 a.m.

The minutes from the October 31, 2018 meeting were reviewed.

M/S/P J. Endelman, B. Bowen To approve the minutes from October 31, 2018 as presented.

W9133-1rus Discussion

- Comments from Mike Copas:
 - W9133-1rus was grown on four different farms within Wysocki Produce Farm growers: it did not do that well on muck soil but did well at other sites
 - Some problems with green because of the significant rainfall on coarse sands but does not seem to be a major issue with this variety
 - Yields were good and it stored well last year
 - Did see some scab this year but it was in heavy pressure scab field; some surface scab but not much pitted scab
 - They can get oversized. Above 16 oz. there is some hollow heart but much less than Norkotah
 - Does not have "split" ends like Goldrush
 - No significant issues; overall a pretty solid variety
- Comments from Alex Crockford
 - 293 cwt. in FY2, no year 3 at this time, but we have ample interest
 - Don't do well in hydroponics so they're in potted production
 - Can plan for more if there is enough interest
 - Yielded pretty decent this year; will likely yield over 400 in a commercial setting

M/S/P J. Endelman, A. Crockford To move forward with naming variety W9133-1rus.

Name Suggestions:

- 1) Plover Russet
- 2) Nekoosa Russet

A vote was taken via a show of hands. **Plover Russet** was chosen as the official name for **W9133-1rus**.

Foundation Seed Update – Alex Crockford

W8893-1R

- Lost the seedlot in 2018 due to frost, presumably due to high set.
- Could have quite a bit available next year if it continues to show interest
- They skinned more this year but all reds seemed to do this at the State Farm

W9433-1rus

- These are lighter skinned russets
- Yielded well at the State Farm
- Has interest through Dennis Bula
 - He has year 3 and 4 of it and wants everything that they have,
 - There's enough to grow two acres next year and a 600 bag potential

W8890-1R

- This was a SpudPro release this past spring which had no takers
- Alex started some minitubers, will drop if there is not interest going forward

CW08071

- Had clean plants in tissue culture so they cut a few and grew about 80 minitubers then put in field to see what it would do
- Had 160 total lbs., 40 lbs. are going to winter test
- Could have between 12-16 lbs. and it's possible to have over 12 cwt. off field next year
- There were some growth cracks but we'll know more after the winter test as far as susceptibility to PVY
- 280 cwt. year 1 which is the ballpark of Goldrush for yield potential
- They're higher setting and had a sort of Silverton appearance with a lighter color, but netting was good
- Consensus of the group was that State Farm should continue with FY2

General Discussion

Red Prairie

- The naming of this variety created some additional interest
- Gumz grew it and will continue with it due to positive feedback from customers
- The skin finish looks good on muck but you have to watch vine kill – don't go too early because it has longer vegetative growth than Norland
- Doesn't need as much fertilizer as Dark Red Norlands, hoping it will be a low input variety
- Will try spacing different next year
- Packout was 80% or higher

SpudPro Foundation Seed – There was some discussion about whether the current model for producing foundation seed through SpudPro needs to be updated.

--Currently, a single FY2 seedlot of 160 cwt is targeted.

--An alternative would be to target two consecutive seedlots, perhaps at a reduced amount.

--No decisions were made, but further discussion is planned

Nitrogen and Spacing Trials - Yi Wang

Compared W9133-1rus to Goldrush under 5 nitrogen treatments,

- Also trialed W8893-1R compared to Dark Red Norland
- Overall a significant response to higher N rate for marketable yield
- W9133-1rus has a little higher marketable yield than Goldrush
- This year was an unfavorable growing year, not representative of average growing season
- Can't make any recommendations at this point

Did a spacing trial using all four varieties, reds and russets

- Reds – saw a more marketable yield under higher spacing treatment
- Larger seed spacing is more marketable yield for W8893-1R compared to Dark Red Norland
- Tuber set – less under higher spacing treatment
- Had discussion about how to report size. Reds, yellows, chippers should go by diameter, while russets should go by weight.
- The committee would like her to repeat trials from this year with the same varieties
- She wants to do spacing trial on muck soil next year, Moriah said they can help with this and find room on their farm
- Growers suggested use 6 8 10 – spacing, or use 12 as upper threshold
- 6-11 reds, 9-14 – russets – growers suggest trying to stay with this spacing
- Yi will reanalyze data and share it with group later

Breeding Program Update – Jeff Endelman

Recommended W13A11229-1rus for foundation seed production. See handout for more details.

- Dual purpose variety with good fresh and process characteristics
- High yields, larger size profile
- Nice fresh market appearance; light russeting
- Long dormancy and spec. gravity a little higher than Burbank.
- Was in NFPT in 2018, had low glucose levels → light color fries

Harvested 300 lbs. of seed from 96 plants at RARS, 40 lbs. were sent for winter test

- Will plant 100 lbs. at RARS
- 100 lbs. remain for cooperative trialing
- It is already in tissue culture and one round of anti-viral treatment has been completed

M/S/P J. Mattek, M. Rataczak

To develop foundation seed for W13A11229-1rus through SpudPro.

Moriah said she's willing to grow on their farm on muck if desired.

2019 North American and European Variety Trials – Felix Navarro

- Last year this project wasn't funded but there was enough interest from outside companies
- This year came he back and submitted proposals to the Research Committee that may help Wisconsin varieties and public varieties in general
- There are 20-24 new varieties he will trial for profiling from the time they're put in the field through post harvest
- He is trying to put them in way that vinekill goes along with maturity of each
- Testing plant and tuber growth curves from planting through post harvest
- The other proposal is to address the need of profiling the storage ability of new varieties
- Felix would like input from growers about which varieties should be tested
- Data from previous years is still being uploaded

At this time Troy Fishler introduced Brad Halladay who is the owner and software engineer from Medius Ag and joined the meeting via phone.

Medius Ag VDM Demonstration – Brad Halladay/Troy Fishler

- VDM = Variety data management
- Currently funded by a three-way cost share – Jeff Endelman, WPVGA and the Storage Research Facility budget
- It's available to anyone in the UW system and their staff who do potato research and want to upload it into the system. So far contains data for 2017-2019.
- Website address: wipotato.mediusag.com
- It's not necessary to login to access the data but it is if you want to save datasets
- Researchers could build report and post/share, rather than growers having to go in and create their own
- There is a support link at the bottom with helpful instructions and resources
- Growers should tell researchers what information they'd like to see posted
- Can growers share their data anonymously?
 - Don't currently have a place for grower data, but we can create that
 - It doesn't have to be complex data sets, just basic performance observations/characteristics
- Troy will follow up and get people Brad's contact information
- Will talk to some growers about what they'd like to see with this software

Meeting adjourned at 12:18 p.m.

Respectfully Submitted,

A handwritten signature in black ink that reads "Julie Braun". The signature is written in a cursive, flowing style.

Julie Braun
Executive Assistant