

Prairie Recommending Committee for Pulse and Special Crops (PRCPSC)
Meeting Agenda
Wednesday, February 28, 2018 1:30 PM
Room KC203, Banff Center

1. Call to order at 1:32 pm

2. Motion to approve agenda

Motion: To approve the agenda as presented.

Moved by: Tom Warkentin *Seconded by:* Mark Olson

Motion carried. None opposed

3. Welcome, Introductions and Attendance

Glen Hawkins, Robyne Bowness Davidson, Laurie Friesen, Tina Scott, Manjula Bandara, Ton Wouda, Syama Chatterton, Christy Hoy, Boris Henriquez, Arun Lekhi, Jaret Horner, Art Kruger, Parthiba Balasubramanian, Jenn Walker, Mark Olson, Heather Ray, Ning Wang, Gene Arganosa, Derek Bunkowsky, Gail Desjarlais, Richard Stamp, Glenn Logan, Sabine Banniza, Jay Han, DJ Bing, Peter Frolich, Tom Warkentin, Bert Vaqndenber, Cody Roland, Lone Buchwaldt,, Anfu Hou, Mike Sheffield, Peter Frolich, Alex Fedko, Kevin McCallum.

4. Committee Recognition Letter from the CFIA: PRCPSC is a recognized committee with the CFIA, with authorization renewed on an annual basis. The letter of authorization was received from CFIA and covers the period of October 1, 2017 to September 30, 2018.

5. Approval of 2017 meeting minutes

Motion: To approve 2017 meeting minutes.

Moved by: Parthiba Balasubramanian *Seconded by:* Mark Olson

Motion Carried (None opposed)

6. Business arising from the minutes

7. Circulate and update mailing list:

Membership list was circulated to meeting attendees for updating contact information as required. If a person is attending the meetings for the first time, and would like to become a member, they were asked to identify the committee that they would be most interested in participating on and make the request to be added to the membership.

8. PRCPSC positions up for election (announcement only)

- Chair of PRCPSC
- Disease Evaluation Contract
- Chair Bean Workers
- Chair Pea Workers
- Chair Buckwheat Workers

9. Voting procedures:

Voting guidelines - Outlined by Glen Hawkins - Chair. Based on our current Operating Procedures, only members of the evaluation committees are allowed to vote. Associate members do not participate in the voting. Voting is valid only when a quorum is present. The quorum for Committee meetings shall be fifty percent of the voting members (26 voting members were present, in addition to 7 email ballots providing quorum). It is expected that all members will vote impartially. Voting for candidate cultivars is by secret ballot. The Chair is allowed to actively participate in the discussions and is entitled to vote. A simple majority will constitute a positive recommendation. In the event of a tie, a revote will be conducted in which the Chair will not cast a vote. The voting ballot was circulated to the membership.

10. Voting on candidate cultivars

Dry bean candidate cultivars (5) – Results shown in Appendix A.

1. **L13PS389** – Pinto – AAFC Lethbridge

Presented by Parthiba Balasubramanian.

Moved/seconded by: Parthiba Balasubramanian/Sabine Banniza to support the recommendation for registration of dry bean line L13PS389.

Support: 33 **Object:** 0 **Abstain:** 0 **Result:** Supported

Disease: Support

Disease comments: L13PS389 is resistant to both races of *Anthraco* which is better than the check AC Island. It is susceptible to white mould, the same as the check AC Island.

Quality: Support

Quality comments: L13PS389 has a nice color. No other comments

2. **YE4607** – Yellow – AAFC Morden

Presented by Anfu Hou.

Moved/seconded by: Anfu Hou/Parthiba Balasubramanian to support the recommendation for registration of dry bean line YE4607.

Support: 30 **Object:** 1 **Abstain:** 2 **Result:** Supported

Disease: Support

Disease comments: YE4607 is susceptible to both races of *Anthraco*, which is the same as the check CDC Sol. It is susceptible to white mould but had slightly better disease scores than the check in 2016 and 2017. It is susceptible to CBB, same as the check.

Quality: Support

Quality comments: YE4607 is very similar to check for canning and hydration. Hard seeds number seems high but hard seeds were common in 2017 due to warm dry conditions. After cooking the hard seeds number dropped and were quite low. Uneven color noted with this line which is similar to the check CDC Sol.

3. **3568-1** – Carioca – Crop Development Centre Saskatchewan

Presented by Bert Vandenberg

Moved/seconded by: Bert Vandenberg/Tom Warkentin to support the recommendation for registration of dry bean line 3568-1.

Support: 32 **Object:** 0 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: 3568-1 is resistant to both races of *Anthraco* which is the same as the checks CDC Pintium and CDC WM-2. It is susceptible to white mould, same as the checks.

Quality: Support

Quality comments: 3568-1 has a very different look and is a nice looking bean. It is smaller than a pinto bean but that is normal. This type of bean has a wide range of sizes and 3568-1 is right within this range. This bean has its own class in Brazil and is the first in Canada. It has a higher hydration, less hard seeds and better canning quality than the checks CDC Pintium and CDC WM-2.

4. **4510-3-1** – Yellow – Crop Development Centre Saskatchewan

Presented by Bert Vandenberg

Moved/seconded by: Bert Vandenberg/Parthiba Balasubramanian to support the recommendation for registration of dry bean line 4510-3-1.

Support: 32 **Object:** 0 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: 4510-3-1 is susceptible to both races of *Anthraco* with is the same as the check CDC Sol. It is susceptible to white mould, same as the check.

Quality: Support

Quality comments: 4510-3-1 has similar hard seeds to the check, canning is similar or better than the check and drain weight is better than the check CDC Sol. The color is more yellow which is preferred in the industry. Size is similar. Tends to be softer after cooking and this is a positive in the industry.

5. **NN11-2** – Pinto – Crop Development Centre Saskatchewan

Presented by Bert Vandenberg

Moved/seconded by: Bert Vandenberg/Sabine Banniza to support the recommendation for registration of dry bean line NN11-2.

Support: 32 **Object:** 0 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: It is resistant to both races of *Anthraco*, which is better than the check AC Island, and the same as the check CDC WM-2. It is susceptible to white mould, same as the checks.

Quality: Support

Quality comments: Canning and hydration are similar to the checks. Lower number of hard seeds. Color is slightly lighter than CDC Pintium. Seed size is similar to the checks.

Lentil candidate cultivars (6) – Results shown in Appendix A.

6. **IBC 929R** – small red – Crop Development Centre Saskatchewan

Presented by Bert Vandenberg

Moved/seconded by: Bert Vandenberg/Tom Warkentin to support the recommendation for registration of lentil line IBC 929R.

Support: 31 **Object:** 1 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: This line is moderately resistant to *Ascochyta* blight, which is the same as the check CDC Maxim. It is resistant to Anthracnose Race 1 which is better than the check CDC Maxim, and susceptible to Race 0, same as the check.

Quality: Support

Quality comments: Seed size is larger than the check but seed is thinner. The seed weight is similar to check. De-hulling has not been done at this time.

7. **IBC 839** – French green – Crop Development Centre Saskatchewan

This line was brought before the committee at the 2016 meeting. According to Section 3.1.1 of the PRCPSC Operating Procedures a support for registration is in effect for a period of two years. This line was re-submitted to obtain a renewal of support.

Presented by Bert Vandenberg

Moved/seconded by: Bert Vandenberg/Mark Olson to support the recommendation for registration of lentil line IBC 839.

Support: 32 **Object:** 1 **Abstain:** 0 **Result:** Supported

Disease: Support

Disease comments: This line is moderately susceptible to *Ascochyta* blight, same as the check CDC QG-3. It is susceptible to Anthracnose, same as the check.

Quality: No recommendation

Quality comments: This line received Quality Committee support in 2016 therefore does not need to be re-evaluated.

8. **IBC 937** – Large green – Crop Development Centre Saskatchewan

This line was brought before the committee at the 2016 meeting. According to Section 3.1.1 of the PRCPSC Operating Procedures a support for registration is in effect for a period of two years. This line was re-submitted to obtain a renewal of support.

Presented by Bert Vandenberg

Moved/seconded by: Bert Vandenberg/Tom Warkentin to support the recommendation for registration of lentil line IBC 937.

Support: 33 **Object:** 0 **Abstain:** 0 **Result:** Supported

Disease: Support

Disease comments: This line is moderately susceptible to *Ascochyta* blight, same as the checks CDC Improve and CDC Impower. It is susceptible to Anthracnose, same as the checks.

Quality: No recommendation

Quality comments: This line received Quality Committee support in 2016 therefore does not need to be re-evaluated.

9. **IBC 975** – small red – Crop Development Centre Saskatchewan

This line was brought before the committee at the 2016 meeting. According to Section 3.1.1 of the PRCPSC Operating Procedures a support for registration is in effect for a period of two years. This line was re-submitted to obtain a renewal of support.

Presented by Bert Vandenberg

Moved/seconded by: Bert Vandenberg/Sabine Banniza to support the recommendation for registration of lentil line IBC 975.

Support: 31 **Object:** 1 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: This line is moderately resistant to *Ascochyta* blight, which is the same as the check CDC Maxim. It is susceptible to Anthracnose Race 1, same as the check.

Quality: No recommendation

Quality comments: This line received Quality Committee support in 2016 therefore does not need to be re-evaluated.

10. **3674-15** – small red – Crop Development Centre Saskatchewan

This line was brought before the committee at the 2016 meeting. According to Section 3.1.1 of the PRCPSC Operating Procedures a support for registration is in effect for a period of two years. This line was re-submitted to obtain a renewal of support.

Presented by Bert Vandenberg

Moved/seconded by: Bert Vandenberg/Tom Warkentin to support the recommendation for registration of lentil line 3674-15.

Support: 32 **Object:** 1 **Abstain:** 0 **Result:** Supported

Disease: Support

Disease comments: This line is moderately resistant to *Ascochyta* blight, which is the same as the check CDC Maxim. It is susceptible to Anthracnose Race 1, same as the check.

Quality: No recommendation

Quality comments: This line received Quality Committee support in 2016 therefore does not need to be re-evaluated.

11. **4317-4** – small red – Crop Development Centre Saskatchewan

This line was brought before the committee at the 2014 meeting. According to Section 3.1.1 of the PRCPSC Operating Procedures a support for registration is in effect for a period of two years. This line was re-submitted to obtain a renewal of support.

Presented by Bert Vandenberg

Moved/seconded by: Bert Vandenberg/Art Kruger to support the recommendation for registration of lentil line 4317-4.

Support: 33 **Object:** 0 **Abstain:** 0 **Result:** Supported

Disease: Support

Disease comments: This line displayed a moderately resistant reaction to *Ascochyta* blight and a susceptible reaction to *Anthracnose* as does the market class check CDC Maxim.

Quality: No recommendation

Quality comments: This line received Quality Committee support in 2014 therefore does not need to be re-evaluated.

Faba bean candidate cultivars (8) – Results shown in Appendix A.

12. **Boxer** – tannin – Legume Logic – Crosby ND, USA

Moved/seconded by: Anfu Hou/Alex Fedko to accept supplemental United States data that meets the requirement for 2 year Canadian Coop trials for the assessment of this line. Carried. None opposed.

Presented by Cody Roland

Moved/seconded by: Cody Roland/Richard Stamp to support the recommendation for registration of faba bean line Boxer.

Support: 29 **Object:** 3 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: This line is susceptible to chocolate spot but was slightly better than the checks CDC Fatima and Fabelle.

Quality: Support

Quality comments: This is a large seeded variety, on the preferred list for the export market.

13. **Laura** – tannin – Legume Logic – Crosby ND, USA

Moved/seconded by: DJ Bing/Sabine Banniza to accept supplemental United States data that meets the requirement for 2 year Canadian Coop trials for the assessment of this line. Carried. None opposed.

Presented by Cody Roland

Moved/seconded by: Cody Roland/Sabine Banniza to support the recommendation for registration of faba bean line Laura.

Support: 31 **Object:** 1 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: This line is susceptible to chocolate spot, but the rating was lower than the check Fabelle, and same as the check CDC Fatima.

Quality: Support

Quality comments: The seed size is similar to the checks.

14. **NPZ 14.7310** – zero tannin - DLseeds

Presented by Glen Hawkins

Moved/seconded by: Glen Hawkins/Mark Olson to support the recommendation for registration of faba bean line NPZ 14.7310.

Support: 31 **Object:** 1 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: This line is susceptible to chocolate spot, same as the checks Snowbird and CDC Snowdrop.

Quality: Support

Quality comments: Seed size is larger than Snowbird check. No protein data presented.

15. **NPZ 14.7330** – zero tannin - DLseeds

Presented by Glen Hawkins

Moved/seconded by: Glen Hawkins/Sabine Banniza to support the recommendation for registration of faba bean line NPZ 14.7330.

Support: 31 **Object:** 1 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: This line is susceptible to chocolate spot, same as the checks Snowbird and CDC Snowdrop.

Quality: Support

Quality comments: Seed color is significantly darker, seed size is larger. The color is a characteristic trait of this cross and does not reflect disease or tannin content. It is an environmental trait that will vary from year to year. When de-hulled there is no difference in color of the flour.

16. **NPZ 14.7340** – zero tannin - DLseeds

Presented by Glen Hawkins

Moved/seconded by: Glen Hawkins/Alex Fedko to support the recommendation for registration of faba bean line NPZ 14.7340.

Support: 31 **Object:** 1 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: This line is susceptible to chocolate spot, same as the checks Snowbird and CDC Snowdrop.

Quality: Support

Quality comments: The seed is a lot larger in size and the color is significantly lighter.

17. **Tiffany** – tannin - DLseeds

Presented by Glen Hawkins

Moved/seconded by: Glen Hawkins/Mark Olson to support the recommendation for registration of faba bean line Tiffany.

Support: 32 **Object:** 0 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: This line is susceptible to chocolate spot, but the disease rating was lower than the check Fabelle, same as the CDC Fatima check.

Quality: Support

Quality comments: Significantly smaller seed size. Seed color is similar.

18. **Trumpet** – tannin - DLseeds

Presented by Glen Hawkins

Moved/seconded by: Glen Hawkins/Sabine Banniza to support the recommendation for registration of faba bean line Trumpet.

Support: 32 **Object:** 0 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: This line is susceptible to chocolate spot, but the disease rating was lower than the check Fabelle, same as the CDC Fatima check.

Quality: Support

Quality comments: Seed size is smaller. Seed color is similar. This line has been released in Europe already as a variety. Market is not necessarily looking at size but at seed uniformity.

19. **219-16** – zero tannin – Crop Development Centre Saskatchewan

This line was brought before the committee at the 2016 meeting. According to Section 3.1.1 of the PRCPSC Operating Procedures a support for registration is in effect for a period of two years. This line was re-submitted to obtain a renewal of support.

Presented by Bert Vandenberg

Moved/seconded by: Bert Vandenberg/Mark Olson to support the recommendation for registration of faba bean line 219-16.

Support: 31 **Object:** 2 **Abstain:** 0 **Result:** Supported

Disease: Support

Disease comments: This line is susceptible to chocolate spot, same as the checks Snowbird and CDC Snowdrop.

Quality: No recommendation

Quality comments: This line received Quality Committee support in 2016 therefore does not need to be re-evaluated.

Field Pea candidate cultivars (4) – Results shown in Appendix A.

20. **P0730-118** – yellow pea – AAFC Lacombe

Presented by DJ Bing

Moved/seconded by: DJ Bing/Bert Vandenberg to support the recommendation for registration of field pea line P0730-118.

Support: 27 **Object:** 6 **Abstain:** 0 **Result:** Supported

Disease: Support

Disease comments: This line is resistant to powdery mildew, same as the checks CDC Amarillo and AAC Lacombe. It is susceptible to *Mycosphaerella* blight and reactions were better than the check CDC Amarillo, but the same as AAC Lacombe, in Morden and Lethbridge in 2016 and 2017, respectively, and the same as both checks at the

Saskatchewan sites in both years. Fusarium wilt was higher than CDC Amarill, but same as AAC Lacombe. Fusarium root rot rating was the same as both checks.

Quality: Support

Quality comments: Seed weight is similar to both checks, falling in between. Protein content is also between the 2 checks. Seed coat breakage is similar to the checks.

21. **MP1907** – yellow pea – AAFC Lacombe

This line was brought before the committee at the 2014 meeting. According to Section 3.1.1 of the PRCPSC Operating Procedures a support for registration is in effect for a period of two years. This line was re-submitted to obtain a renewal of support.

Presented by DJ Bing

Moved/seconded by: DJ Bing/Bert Vandenberg to support the re-recommendation for registration of field pea line MP1907.

Support: 30 **Object:** 2 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: Resistant to powdery mildew same as the checks Agassiz and CDC Golden. It is susceptible to *Mycosphaerella* blight, with ratings similar to the checks at all site-years, except in Saskatchewan in 2011 where it was lower than Agassiz. It is susceptible to Fusarium wilt, and rating was worse than the checks in 2011, but the same in 2012.

Quality: No recommendation

Quality comments: This line received Quality Committee support in 2014 therefore does not need to be re-evaluated.

22. **CDC 4639-8** – green pea – Crop Development Centre Saskatchewan

Presented by Tom Warkentin

Moved/seconded by: Tom Warkentin/Bert Vandenberg to support the recommendation for registration of field pea line CDC 4639-8.

Support: 31 **Object:** 1 **Abstain:** 1 **Result:** Supported

Disease: Support

Disease comments: Resistant to powdery mildew, same as the checks CDC Limerick and Cooper. It is susceptible to *Mycosphaerella* blight, with ratings similar to both checks at all site years. Fusarium wilt score was the same as the checks, while Fusarium root rot rating was lower than both checks.

Quality: Support

Quality comments: The protein content is between the two checks. The seed has a brighter green color which is preferred. Bleaching is similar or better than the checks. No cooking data.

23. **LGPN1904** – green pea – Limagarin

Presented by Ton Wouda

Moved/seconded by: Ton Wouda/Bert Vandenberg to support the recommendation for registration of field pea line LGPN1904.

Support: 22 **Object:** 11 **Abstain:** 0 **Result:** Supported

Disease: Object

Disease comments: *Mycosphaerella* blight rating is similar to the green checks at all locations. Fusarium wilt and root rot score was the same as the checks. In 2016 the Powder Mildew (PM) score was 3.3. PM could not be assessed in 2017 due to hot and dry conditions in Lethbridge. PM score should be 0, therefore it is likely that the PM reaction in this line is segregating. This line should be screened under PM conducive conditions and eliminate susceptible genotypes.

Quality: Support

Quality comments: Green color intensity is lower than both checks. Bleaching is also lower than the checks. Protein content is between the checks.

Buckwheat candidate cultivar (1) – Results shown in Appendix A.

a) **DF-03** – buckwheat

Data was not presented by anyone. Members based their vote on information provided in the Request for Support of Recommendation letter.

Moved/seconded by: Tina Scott/Sabine Banniza to support the recommendation for registration of buckwheat line DF-03

Support: 25 **Object:** 4 **Abstain:** 4 **Result:** Supported

11. Selection of scrutineers and counting of ballots:

Art Kruger, Alex Fedko and Robyne Bowness Davidson

12. Reporting of results of voting on candidate cultivars (Appendix A).

13. Pulse and Special Crops Committee "Issues" Meeting – March 1 at 9:00 am – KC303

14. Adjourn

Motion to adjourn at 4:10 pm

Moved by: Mark Olson

Prairie Recommending Committee for Pulse and Special Crops (PRCPSC)
Meeting Agenda
Thursday, March 1, 2018 9:00 AM
KC 203, Banff Center

1. Call to order at 9:01 am by Glen Hawkins (Chair)

2. Approval of the agenda
Motion: To approve the agenda as presented:
Moved by: Bert Vandenberg *Seconded by:* Sabine Banniza
Motion carried.

3. Review of Wednesday (February 28, 2018) voting results (Appendix A).
Motion: To destroy ballots as all ballots have been counted.
Moved by: DJ Bing *Seconded by:* Bert Vandenberg
Motion Carried.

4. Circulate and update mailing list
Membership list was circulated and the final additions and changes were made to the mailing list.

5. First call for nominations:
 - Chair of PRCPSC
 - Disease Evaluation Contract
 - Chair Bean Workers
 - Pea Workers
 - Buckwheat Workers
 - Faba bean Workers Chair

Mark Olson *nominated* Glen Hawkins to remain chair of the PRCPSC.
Seconded by: Tom Warkentin.

6. Changes to the membership

Remove:

- Debra McLaren – Member - as per her request
- Ottmar Philip – Associate Member - as per his request
- Lisa Leduc – CFIA as her position has changed
- Mr. Shaan Tsai - Associate Member – as his position has changed

Additions:

- Cody Roland, Legume Logic - Member
- Jody Souter, Hemp Genetics International - Member

- Glenn Logan, Wheatcrest Farms - Member
- Derek Mohr, DLseeds - Member
- Arun Lekhi, Parrheim Foods - Member
- Sima Vyas, CFIA - Associate Member
- Muhammad Tahir, FPGenetics - Associate Member

Move:

- Sheau Fang from Member to Associate Member
- Kan-Fa Chang from Member to Associate Member
- Bob Conner from Member to Associate Member
- Boris Henriquez from Associate Member to Member

Glen Hawkins *made a motion* to move people from Members to Associate Members if they have failed to attend the PRCPSC meeting for two consecutive years without a valid reason or response. This is outlined in the committee operating procedures. Robyne and Glen will send letters to those people who will be moved or removed. *Seconded by* DJ Bing. Motion carried.

Glen Hawkins *made a motion* to amend the membership list to include the newly added members. *Seconded by*: Richard Stamp

7. Peter Frohlich from CIGI did an informal presentation:

“Influence of Genotype and Environment on Flour and Bread Baking Properties of Pulses”

8. Update from Disease (Chatterton) and Quality (Bunkowsky) Evaluation Team Chairs

Quality:

- Derek would appreciate a seed sample sent to him at least a month before the 2019 meeting and a photo for the members on the other committees. Samples should come from the same location to ensure no location bias.
- Sometimes the quality data contained in the coop reports does not contain the statistical analysis that was done and this would be appreciated to truly compare the lines to each other.
- There is a concern with protein levels of field pea. Protein should not be significantly less than the mean of the two yellow field pea checks. If a high starch line is requested for support the registration committee will consider that line for a specific end use.
- There needs to be some quality parameters set for faba bean

Derek *made a motion* to accept his report. *Seconded by* Alex Fedko.

Disease

Is the DNO designation still useful? The committee requests we discuss this and address it in the Need to discuss this in the MOPs document

Within the team we need to decide what checks to do
Syama moved acceptance of her report.
Sabine seconded.

9. Update from Contract Registration Committee (Hawkins, Wang, Davidson)

No report

17. Second call for nominations:

- Chair of PRCPSC
- Disease Evaluation Contract
- Chair Bean Workers
- Pea Workers
- Buckwheat Workers

No nominations were made.

10. Ratify Bean Coop 2017 report

The guidelines were read and updated by committee members.

The minutes from the Bean Workers meeting were presented by Anfu Hou.
(Attached Appendix B)

Parthiba Balasubramanian *made a motion* to accept the report. *Seconded by* Alex Fedko.
Motion carried.

11. Ratify Pea Coop 2017 report Tom, DJ

The minutes from the Pea Workers meeting were presented by Tom Warentin.
(Attached Appendix C)

Tom Warkentin *made a motion* to accept the report. *Seconded by* DJ Bing. Motion carried.

12. Ratify Lentil Coop 2017 report

Bert Vandenberg *made a motion* to accept the report. *Seconded by* Sabine Banniza. Motion carried.

13. Ratify Faba bean Coop 2017 report

Bert Vandenberg *made a motion* to accept the report. *Seconded by* Richard Stamp. Motion carried.

14. Buckwheat – No Report

15. Update Cooperative Registration Trial Guidelines (MOPS) for all crops

16. Ratify new MOPS document

Glen Hawkins made the motion that we ratify the new MOPs document.

- CFIA wanted the MOPs document available so that any company wanting to register a line in Canada has a document to refer to that contains all the procedures and requirements.
- Lone Buchwaldt would like changes made to the document regarding lentil disease procedures. She will forward these changes to Bert for updating in the Lentil Coop Guidelines.
- The Pea Coop guidelines will be changed to reflect the protein levels as discussed in the Pea Workers meeting. Tom will make those changes.
- The Bean checks will be changed in the Bean Coop Guidelines

The document was ratified as it sits with the understanding that changes to Coop reports will be made.

Glen Hawkins *made the motion* to accept the MOPs document. *Seconded by* Derek Bunkowsky. Motion carried

18. Third call for nominations and election of:

- Chair of PRCPSC – Glen Hawkins will remain as Chair
- Disease Evaluation Contract - Robyne Bowness Davidson agreed to remain on this committee
- Chair Bean Workers – Anfu Hou agreed to remain as Chair
- Chair Pea Workers – DJ Bing agreed to remain as Chair
- Buckwheat Workers – Lorne was re-elected in his absence

Art Kruger *made a motion* that nominations cease. *Seconded by* Mark Olson

19. CFIA Update

Wendy Jahn National Manager, Seed Section gave an update to the committee. Personnel changes are happening at the CFIA.

- David Bailey continues as Director, Plant Production Division.
- National Manager, Seed Section: the National Manager position is Wendy Jahn
- In the Variety Registration Office, Dr. Sima Vyas is in the Officer position. Lisa Leduc has moved on.

Regulatory changes

- For health and safety reasons the CFIA regulations relating to treated seed must be in both English and French. CFIA is working on that.
- CFIA is changing seed regulations to decrease industry burden and bring things into a more streamlined process. This started in April 2017. This process is referred to as Regulatory Modernization
- Schedule 3 has been updated to allow changes from Parts A, B, and C.
- The website has been with pictures of weed seed information, especially noxious and prohibited weeds that people may not be familiar with.
- The Certified Inspection Services process has been updated. Training is being offered . There are 23 inspection companies with 306 inspectors.
- Weed types, isolation distances, variety descriptions and compliance issues are all being updated.
- Operating procedures for all PGDC committees have been updated very efficiently.
- Registration forms are being updated with drop down PDF documents to assist with filling them out and making sure that the information is correct.

- The DNO (Do Not Object) designation is still acceptable for the Disease and Quality committees. For the main committee meetings and voting please use:
 - Support, Object or Abstain
- This relates to how this information is used by committees other than the PGDC committees.

20. Other business

Check varieties for the Faba bean Coop trials

- There are no acres of Fatima and seed is not easily found so Fatima will be replaced by Fabelle (DL seeds variety).

Bert Vandenberg *made a motion* to change that check variety. *Seconded by* Mark Olson. Motion carried.

Covicine and vicine in faba bean

- 2018 entries are already set.
- Over the next calendar year we can make changes to breeding considerations.
- The new Faba bean Workers Group will discuss these changes and decide in 2019 what changes will be made going forward.

- Bert Vandenberg *made a motion* that we discuss breeding changes and update the guidelines by the end of March 2018. *Seconded by* Mark Olson.
- Coop guidelines will be set for 2019. Bert will have a draft for the Faba bean guidelines by the end of March 2018.

Years of data required for re-registration of recommended lines.

- Once the check varieties change, the data for a line should be included in the Coop trial again.
- Mark Olson *made a motion* that if a line is brought back three years after support for registration, the line needs to put back into the Coop trials. *Seconded by* Glen Hawkins.
- The current guideline is two years.
- There can be a one year buffer. Then the line needs to put back in the Coop trial. If the checks have not changed, then there is not a problem. The committee is then able to accept or reject the data and vote to accept the line or not.

The Faba bean Workers Group was ratified.

There was a request from the quality committee chair that there be tables available to meet around.

- This will be e-mailed to Glenn Hawkins and he will forward the request to Charlene Wieler, organizer of the PGDC Committee meetings.

21. Meeting Location/venue:

2019	February – March	Saskatchewan
2020	February – March	Manitoba
2021	February – March	Banff

22. Adjourn

Glen Hawkins *made a motion* to adjourn. *Seconded by* Alex Fedko.
Meeting adjourned 11:25 AM.

Appendix A
Prairie Recommending Committee for Pulses and Special Crops
Banff Centre – February 28, 2018
Voting Results

Dry Bean (5 lines)

Line #	Name	Crop	Type	Support	Object	Abstain
1	L13PS389	Bean	pinto	33	0	0
2	YE4607	Bean	yellow	30	1	2
3	3568-1	Bean	carioca	32	0	1
4	4510-3-1	Bean	yellow	32	0	1
5	NN11-2	Bean	pinto	32	0	1

Lentil (6 lines)

Line #	Name	Crop	Type	Support	Object	Abstain
6	IBC 929R	Lentil	small red	31	1	1
7	IBC 839	Lentil	french green	32	1	0
8	IBC 937	Lentil	large green	33	0	0
9	IBC 975	Lentil	small red	31	1	1
10	3674-15	Lentil	small red	32	1	0
11	4317-4	Lentil	small red	33	0	0

Faba bean (8 lines)

Line #	Name	Crop	Type	Support	Object	Abstain
12	Boxer	Faba bean	tannin	29	3	1
13	Laura	Faba bean	tannin	31	1	1
14	NPZ 14.7310	Faba bean	zero tannin	31	1	1
15	NPZ 14.7330	Faba bean	zero tannin	31	1	1
16	NPZ 14.7340	Faba bean	zero tannin	31	1	1
17	Tiffany	Faba bean	tannin	32	0	1
18	Trumpet	Faba bean	tannin	32	0	1
19	219-16	Faba bean	zero tannin	31	2	0

Field Pea (4 lines)

Line #	Name	Crop	Type	Support	Object	Abstain
20	P0730-118	Pea	yellow	27	6	0
21	MP1907	Pea	yellow	30	2	1
22	CDC 4639-8	Pea	green	31	1	1
23	LGPN1904	Pea	green	22	11	0

Buckwheat (1 line)

Line #	Name	Crop	Type	Support	Object	Abstain
24	DF-03	Buckwheat		25	4	4

Appendix B

Bean Workers Meeting Minutes Tuesday, February 27, 2018 Banff Centre

In attendance:

Laurie Friesen, Tina Scott, Manjula Bandara, Ton Wouda, Syama Chhatterton, Christy Hoy, Boris Henriquez, Arun Lekhi, Jaret Horner, Art Kruger, Parthiba Balasubramanian, Jenn Walker, Mark Olson, Heather Ray, Ning Wang, Gene Arganosa, Derek Bunkowsky, Gail Desjarlais, Richard Stamp, Glenn Logan, Sabine Banniza, Jay Han, DJ Bing, Peter Frolich, Tom Warkentin.

LSWR (Anfu)

Trial locations were at Morden, Winkler, Carman and Portage la Prairie. Test A had 29 entries (13 navy bean lines, 12 black bean lines, and four checks). Test B had 17 entries (5 pinto, 2 cranberry, 1 yellow, 2 great northern, 1 light red kidney bean, and six checks). Each site received much lower than average precipitation during the 2017 growing season. Agronomic traits recorded included flowering date, plant height, pod height, lodging, maturity, seed yield, seed size, common bacterial blight (CBB) ratings, seedling resistance to anthracnose and white mould ratings. The complete report is available on the PGDC website.

SS wide (Parthiba)

Trial locations were at Bow Island, Cranford, Vauxhall, Fairfield and Lethbridge, AB. The trial consisted of 20 entries (1 slow-darkening pinto, 2 yellow, 4 shiny black, 3 great northern, 2 red, and 1 navy bean lines plus checks). The check cultivars included AC Island and AAC Explorer (pinto), CDC Sol (yellow), AC Resolute (great northern), AC Black Diamond (black), AC Redbond (red) and Envoy (navy). Agronomic traits recorded included flowering, growth habit, maturity, plant height, lodging resistance, yield, seed quality attributes (weight, color, shape and size), and resistance to diseases (white mould, anthracnose, and some to common bacterial blight). Select lines were also evaluated for cooking and canning quality traits. The 2017 growing season was above average for temperature and below average for precipitation and all plots experienced heat and drought stress. Stress was mitigated by frequent irrigation where possible. The complete report is available on the PGDC website.

SS Narrow (Kirsten Bett)

The trial in Outlook was hailed out and as a result it was dropped from the report. The complete report is available on the PGDC website.

Changes to checks:

SSNarrow: Suggestion to drop CDC Pintium, and leave AC Island and CDC WM-2 as the check varieties
No changes to LSWR and SSWR
See Appendix 8 in MOPS document for reference to changes made. These changes will be updated in the MOPS Guidelines

Merits

Merits for lines are in the MOPS document are available on line for reference.

Where are the lines now?

Line #	Name	Type	Where About
1	L12CB004	Cranberry	Will be licensed to Viterra after registration in Fall 2018
2	9351	Light Red Kidney	Big Red, in production
3	ROG 312 R	Pink	Pink Floyd, in production
4	11258 (Vibrant)	Pinto	In production
5	06185 (Monterrey)	Pinto	In production
6	99236 (La Paz)	Pinto	In production
7	3850-1	Yellow	Scoular; no name yet
8	CR318-6	Cranberry	AAC Scotty, Canterra Seeds Inc.

New chair for Bean Workers

Nominees: Parthiba nominates Anfu for another 3 year term. Anfu accepts.

Discussion on seed size requirements for quality samples

Derek says it is impossible to assess what the seed looks like from a picture. Visual quality are very important, especially for beans. If we are just going to rubber stamp things, why do we have a committee (Derek). Shape, color, uniformity. Samples need to be sent to Winnipeg. 500 g would be minimum.

The concern from Tom (echoed by Anfu and DJ) is that the samples being received will vary a great deal depending on location and year. Questions discussed included:

- How many samples do we need?
- One from every site?
- Which locations?
- Which years?
- How many years?
- Do we send 2 samples? The best and the worst?

Parthiba requests that the samples come from the best 2 sites. Composite from 3 locations in Ontario.

The color data is available to the quality committee to look at. This analysis is done at AAFC Lethbridge with a Minolta spectrophotometer.

The industry relies on recommendation from experts such as Parthiba. Navy bean is a merit requirement. Should only be from good sites and years. No point in evaluating crappy seed.

Quality committee needs to come up with guidelines that they can distribute as to what they want.

Appendix C

Pea Workers Meeting Minutes

Tuesday, February 27, 2018, 3:30 PM – 5:30 PM
Banff Centre, Alberta, Room: KC101

1. Introductions

- 2. Attendance:** Laurie Friesen, Tina Scott, Manjula Bandara, Ton Wouda, Syama Chhatterton, Christy Hoy, Boris Henriquez, Arun Lekhi, Jaret Horner, Art Kruger, Parthiba Balasubramanian, Jenn Walker, Mark Olson, Heather Ray, Ning Wang, Gene Arganosa, Derek Bunkowsky, Gail Desjarlais, Richard Stamp, Glenn Logan, Sabine Banniza, Jay Han, DJ Bing, Peter Frolich, Tom Warkentin, Alex Fedko, Glen Hawkins, Lone Buchwaldt

3. Update on pea varieties supported in previous years

Lines recommended at the 2017 PGDC meeting

Line name	Market class	Breeder	Representative	Registered?	Variety name
CDC 4499-1	Green	CDC		Dropped	
P0750-02	Yellow	AAFC	SeedNet Inc., AB	Yes	AAC Delhi
LGPN4903	Yellow	Limagrain	In process		
LRP 1424	Green	DL Seeds	In process		
HyLine	Yellow	DL Seeds	?		

Lines recommended at the 2016 PGDC meeting

Line name	Market class	Breeder	Representative	Registered?	Variety name
P0520-116	Yellow	AAFC	FP Genetics Legume Logic, ND,	Yes	AAC Chrome
P0521-109	Yellow	AAFC	USA	Yes	AAC Asher
CDC 3525-5	Yellow	CDC	Sask Pulse Growers	Dropped	
CDC 4061-4	Yellow	CDC	Sask Pulse Growers	Yes	CDC Lewochko

Line recommended at the 2015 PGDC meeting or other years

Line	Market class	Breeder	Representative	Registered?	New name
P0511-06	Green	AAFC	Canterra Seeds	Yes	AAC Comfort
P0414-04	Yellow	AAFC	Probably dropped	No	
LN 4236	Yellow	Limagrain	Dropped		
CDC 3422-8	Green	CDC	Sask Pulse Growers	Yes	CDC Forest
CDC 3360-7	Yellow	CDC	Sask Pulse Growers	Yes	CDC Canary
CDC 3525-9	Yellow	CDC		Dropped	
CDC 3760-15	Yellow	CDC		Dropped	

4. 2017 Co-op Test report

4.1. Coordinator's report: Tom Warkentin

- There was a Coop A and a Coop B test this year. There was no Coop C test.
- Coop A had 36 entries, Coop B had 18 entries.
- There was only one short season line entered for 2017, Peace River, so that line was added to the Coop B test.
- Tom requested that data be provided to him before Christmas prior to the year of the PGDC meeting for ease of reports.

4.2. Disease evaluation report: Syama Chatterton

- The disease evaluation trials were moved to Lethbridge 2017. It was a hot dry year there and results were not as expected. There were some differences noted in Manitoba.
- Plots were harvested before Powdery Mildew showed up so there is not PM ratings in the data.
- There was a lot of Blight showing up this year which interfered with the Mycosphaerella ratings as well. The suggestion was made to rate for Blight in the future.
- Inoculation will be investigated in 2018 to try to induce PM into the plots. A susceptible PM check should be considered for the Saskatchewan sites.
- CDC striker would be a good cultivar to get PM. Radley and Carmen could also be considered as partially resistant checks.
- Lots of Fusarium Root Rot seen in 2017.

4.3. Discussion/remarks about the tests: Ton Wouda (see appendix for more information).

Should we be treating our seed and using inoculant in our coop trials?

- About 50% of farmers use a seed treatment.
- In areas where Pea Leaf Weevil (PLW) is present they are also applying a fungicide + insecticide
- Approximately 2/3 farmers are treating for PLW in Alberta.
- There are no PLW in Saskatchewan so we should not be treating with a neonic when we don't need it?
- Fungicides should be used regardless.
- The agreement was that seed should be sent with fungicide on it and if insecticide is needed, should be applied by cooperator.
- Fungicide applications should be the same at all locations.

Another issue is the number of rows in the test plots.

- Should there be 4 rows in a plot due to the edge effect?
- There is no standard in the coop trials for # of rows. Should we add that in?
- CDC has 3 rows and it is likely not possible to change to 4.
- The members agreed that 4 rows would be better.

- Standardization is necessary as so many people rely on this information.
- Each cooperators situations need to be considered.

5. 2018 Co-op Test plan: Tom Warkentin

5.1 Entries in 2018 Co-op Test

There are currently 36 entries going in to the 2018 Coop A test and 24 going into the Coop B test. Peace River may be dropped.

5.2 Check varieties and test locations

No change in checks for 2018 unless there is a request to do so and everyone agrees.

5.3 Test fees and deadlines: Tom Warkentin

Fees are on track to increase about 5% per year

6. 2017 Regional pea trial summary: sites, entries, fees, etc.

Manitoba: Dennis Lange
Saskatchewan: Tom Warkentin
Alberta: Alex Fedko

An update was given by the respective coordinators in each province.

- The percent protein was added to check information in the Saskatchewan Seed Guide because of interest in protein from fractionation plants

7. 2018 Regional pea trial plans: sites, entries, fees, etc.

Manitoba: Dennis Lange
Saskatchewan: Tom Warkentin
Alberta: Alex Fedko

8. Other issues (open for suggestions by the participants)

No other issues were brought up.

9. Adjourn

Appendix:

Ton Wouda-RE_Remarks on pea Coop trials 2017 at some location I visited



Ton Wouda-RE_
Remarks on pea Coop

Appendix D.

**Prairie Recommending Committee for Pulses and Special Crops
Executive 2018**

Name	Office	Term Expiration Date
Executive		
Glen Hawkins	Chair RC	March 31, 2021
Robyne Bowness Davidson	Secretary/Treasurer RC	March 31, 2020
Syama Chatterton	Chair Disease Evaluation Team	March 31, 2020
Derek Bunkowsky	Chair Quality Evaluation Team	March 31, 2019
Contract Registration Committee		
Glen Hawkins	Agronomy Evaluation Team	March 31, 2020
Ning Wang	Quality Evaluation Team	March 31, 2019
Robyne Bowness	Disease Evaluation Team	March 31, 2021
Bean Workers' Meeting		
Anfu Hou	Chair	March 31, 2021
Pea Workers' Meeting		
Deng-Jin Bing	Chair	March 31, 2021
Buckwheat Workers' Meeting		
Lorne Kyle	Chair	March 31, 2021