### Planning Session 1 March 19, 2015 at Fort St John Kids Fieldhouse Arena

Present: Tobin Dirks, Bernie Legault, Allan Gifford, Christine Irvine, Kristan Moebis, Troy Hanson, Jane Farney, Oral Bentraud, Vic Willms, Jennifer Otani, Franz Wegner, John Mycek, Kevin Finster, David Bannan, Gordon Hill, Blair Shilka, Reuben Loewen, Arlene Loewen, Martin Odermatt, Mike Rudakewich, Heather Kerschbaumer, Serle Hanson, Lyle ??, Ron Craig, Terry Wood, Danny Limoges, Lori Vickers, Todd Smith, Calvin Yoder, Rob Lyons, Doug Thiessen, Bill Farney, Chris Jessen, Shawn O'Rourke, Hildor Nendlang, Erin Kerschbaumer, Aurthur Hadland, Laurel Hadland, Jerome Lickalz, Rick Friesen, Mark Mittlestadt Facilitating: Julie Robinson, Talon Johnson

Session 2 Grower Phone calls/interviews Feb 16 – Mar 3, 2016: Danny Limoges, George Friesen, Peter Lungard, Brad Reinders, Les Pellerin, Danny Friesen, Dave Pellerin, Ed Hadland, Michael Gerwatoski, Flint Turner, Gary Sanocki, Dale Schwerdt, Richard Dlugosz, Gerry Vandelight, David Augustine, Troy Hanson, Kevin Thiessen, Herman Klassen, Hill Farms, Simon Loewen

Our Vision: To improve the quality, consistency and the profitability of the turf and forage seed industry in the Peace River Region.

### Our Accomplishments Over the Last 15 Years:

- 1. Played an integral part of staffing a new forage seed researcher at AAFC Beaverlodge
- 2. Instrumental in the development of Forage Seed Canada; a national voice for the industry
- 3. Collaborated on biomass feasibility project using fescue straw as bioheat/power (not economically feasible at the time)
- 4. Completed a Wildlife Damage Study in fescue an extensive study on the standing crop with some work in swaths
- 5. Partnered with the U of A on Phase 1 of the Red Clover Case Bearer projects successfully identified the pheromone to attract & trap moths
- 6. Part of a Climate Action working group to ensure \$\$ spent in the BC Peace → Completed: Gaps in Weather Monitoring & Irrigation Feasibility, Implemented: Pest Monitoring Pilot & Weather Monitoring + Decision Support Tools
- 7. Successfully differentiated between turf and forage seed markets
- 8. Established the forage seed levy in both BC and AB
- 9. Turned competition into friendly cooperation with seed trade talking to each other, as well as with government and farmers; have recognized we are all in this together
- 10. Maintained/created unified Peace Region for both BC and AB growers, processors and researchers
- 11. Were heard by AAFC Research Branch & were an effective advocacy voice
- 12. Partnered successfully with other groups like SARDA, Central Peace Conservation Society, Peace River Forage Association of BC,
- 13. Have been successful in securing outside matching funding in the GF1 and GF2 federal funding clusters
- 14. Have taken on coordinating the Western Canadian Grass Seed Testing Program (now transitioned into the Peace Region Grass Seed Trials)
- 15. Submitted applications for Minor Use Registrations (20+ new registrations since 2002)
- 16. Responded to new problems as they arose
- 17. Have successfully got research information out into fields
- 18. Distributed herbicide update by Calvin Yoder each spring to over 1000 growers
- 19. Distributed Forage Seed News and production information to growers
- 20. Gained better consistency and quality with less weeds
- 21. Brought government people, buyers, agribusiness, farmers and researchers into one room
- 22. Learned from each other, from discussions at tours, at seminars and from spin offs afterwards
- 23. Worked well in cooperation with other provinces & have been more effectively organized
- 24. Have a reputation from outside our area as a "good group of guys"
- 25. Have been a role model for other associations

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# 26. Accomplished many of goals from last strategic plan These priorities are not in numerical order, however the highest priorities are bolded Market/ Processing Concerns & Priorities for Next 5 Years:

Priority	Ratings	Champion	Next Steps	Progress to Date
1. Diversify the	High Priority	Talon Gauthier	- Look into new cropping options in forage seed	Concern:
species	High Urgency	Dr. Khanal	- Species identified: Brassicas/turnips, crimson clover,	- Where are markets for turf grasses going
grown in the	Med Achievability	Rahman Azooz	hairy vetch, birdsfoot trefoil, sainfoin, cicer milkvetch,	as people opt to put in fake lawns
Peace		Pat Ganselves	hemp, fenugreek, ect	
			- Little research done in Fort Vermillion area $\rightarrow$	
			contribute \$\$ to MARA to seed what FS crops can be	
			grown in that area	
2. Keep the	High Priority	Heather	- Create a unified AB & BC Peace by having	- PRFSA allocated funds for contractor to
Peace GE	High Urgency	Kerschbaumer	municipalities/regional districts update their bylaws to	compile, coordinate and secure future
alfalfa free	Med Achievability	Talon Gauthier	exclude GE alfalfa	funds for exclusion of GE alfalfa from the
				Peace Region
3. Future of	High Priority	Rob Lyons	- stay informed, follow trends	<ul> <li>Market updates given at the AGM</li> </ul>
forage seed	Low Urgency	Heather	- not much we can do as an association	<ul> <li>Hired Dave Wong to keep compiling</li> </ul>
production	Low Achievability	Kerschbaumer	<ul> <li>Ability for PRFSA staff to have weekly/monthly</li> </ul>	market articles in 2015 & 2016 –
		Talon Gauthier	market updates on website/emails? $\rightarrow$ contact	published in the FSN & on website
			AgriStability (they update info monthly)	
			- Exchange rate articles (get from HK), cost of	
			production worksheets	
4. Native seeds	Medium Priority	Heather	- operating outside of CSGA,	- BC Forestry & Range staff completed
for oil & gas or		Kerschbaumer	<ul> <li>no grade tables/ certificates (CSAAC)</li> </ul>	handbook of recommendations
forestry	High Urgency	Dave Wuthrich	- grower awareness re: importance of clean seed	- PRFSA represented at working meetings
industries		Rob Lyons	- currently have a brochure that was used at Oil & Gas	and reviewers of compiled manual
	High	Bill Wilson	Trade Show, but needs updating	<ul> <li>Provided funding to PRFA of BC project</li> </ul>
	Achievability	Julie Robinson	- update & compile higher quality brochure(s) for end	"Revegetation of Pipelines, Leases and
		Shaun Grant(?)	users (DW, HK)	Roadsides" 2012 – 2015
			- Push CFIA to get 3 <sup>rd</sup> party training on inspecting	- Allocating funds to "Reveg 2" with PRFA
			forage seed crops	of BC
			- Promote use of clean, local seed for reclamation	- 2014 AGM: Update on new inspection
	Liter Dates in		- Align native with agronomic production	process for certified
5. Keep the	High Priority	Danny Friesen	- Was a law that was enforced up until 25 years ago	-
Peace	High Urgency		then got refreshed and put under pest control act.	
chalkbrood free	Med Achievability		Needs to be a law again $\rightarrow$ put in municipality bylaws	
C. Continuo	Lligh Driegity	Talon Gauthier	- Release protocols for Beaverlodge Bee Diagnostic	- Talon & Tobin attended CFGA AGM Nov
6. Continue	High Priority	Calvin Yoder	<ul> <li>National: Canadian Forage &amp; Grassland Association</li> <li>Provincial: MFSA &amp; Sask FS Development</li> </ul>	2015
developing local & national	Med Urgency High Achievability	Calvin rouer	- Regional: SARDA, PRFA of BC, PCBFA, NPARA,	2010
relationships	Fight Achievability		MARA	
7. Peace	Low Priority		No Branding the Peace Association anymore	Concerns:
Branding	Low Urgency		<ul> <li>No branding the Peace Association anymore</li> <li>No action at this time</li> </ul>	- seed co. have their own labelling
Dianuny	Low Orgency			- Seeu Co. Have their Own labelling

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PRFSA Strategic Planning Process in 2015-16 & Progress To Date (as of Mar 2016)

	Low Achievability			- no impact on US markets
8. Difference in	Low Priority	Shelley Kirk (?)	- Compile article on the difference between wholesale	
price, mark up &	Low Urgency	Heather	& retail, include an explanation of margins	
perceptions	High Achievability	Kerschbaumer		
9. Alternative	Low Priority		- look at value added viewpoint re: screening pellets	
uses for forage	Low Urgency		- Check with all processors on how they handle their	
seed screenings	Low Achievability		screenings	
10. Other market	Low Priority		- Concerns about public \$\$ to be used to develop new	- Article compiled by Heather McBey in
concerns	Low Urgency		varieties then be sold to private companies $\rightarrow$ Will we	2015 on the Canadian Forage Seed
	Med Achievability		receive \$\$ back for royalties?	Project $\rightarrow$ Post on website
			- When growers sell certified seed they are obligated	
			to sell all back to the seed company they are	
			contracted through. Years ago producers were	
			supposed to get a certain % of foundation seed and	
			no contract was needed. Use to be a law and	
			enforced, is it still?	

Priority	Ratings	Champion	Next Steps	Progress to Date
1. Events	Priority Urgency Achievability	Calvin Yoder Talon Gauthier	<ul> <li>invite ag field people specifically to attend events</li> <li>organize a winter update for MDs &amp; agribusiness</li> <li>get our events recognized as PD/ Certified Education Units for crop advisors → look into again</li> <li>explore new formats like winter field days</li> <li>learn from groups effective at advertising events</li> <li>Update our booth (Goal: next AGM)</li> <li>Host national FS conference again?</li> </ul>	<ul> <li>organized a successful, well attended winter update with credits for Crop Advisors &amp; agribusiness in Feb 2009</li> <li>advertised our AGM with a travel voucher</li> <li>Move our tours &amp; seminars to different areas &amp; this attracts new faces to our events (Tour 2016 – Prespatou?)</li> <li>Calvin organized Agronomy update 2014</li> </ul>
2. Website/ social media	Priority Urgency Achievability	Talon Gauthier	<ul> <li>Improve website → time for an update? Add counter</li> <li>explore emailing, texting, blogging, FB &amp; Twitter</li> </ul>	- Calvin, Sandra & Jeremy redesign 2011 -
3. Newsletter/ mailouts	Priority Urgency Achievability	Calvin Yoder Talon Gauthier	<ul> <li>explore better ways to get research info out</li> <li>Continue to contribute to FSN as growers find value</li> <li>Electronic access to FSN articles (discuss with Heather McBey)</li> <li>Individual mailouts for AGM &amp; Tour</li> </ul>	<ul> <li>SeedHead factsheets created to display research info &amp; data (8 compiled to date)</li> <li>March 2016 AGM mailout done</li> </ul>
4. Attract people to Peace	High Priority Low Urgency High Achievability	Calvin Yoder Talon Gauthier	<ul> <li>Maintain and build on existing opportunities at Beaverlodge</li> <li>Be part of building Dr. Khanal work plan moving fwd</li> <li>explore incentives for students</li> <li>Encourage younger participants</li> </ul>	<ul> <li>Dr. Khanal assigned to FS</li> <li>Dr. Azooz &amp; Pat Ganselves still in FS</li> <li>Contracts with retired researchers</li> <li>PD days for students, Coop programs</li> <li>Calvin U of A Forages class Feb 2016</li> </ul>
5. Update growers each spring	High Priority Medium Urgency High Achievability	Calvin Yoder Talon Gauthier	<ul> <li>continue the annual herbicide updates &amp; circulate to all growers</li> </ul>	<ul> <li>Updates sent every spring and identified as very valuable to growers</li> </ul>
6. Send rep to MU meetings in Ottawa	Med Priority Med Urgency Med Achievability	Danny Limoges Calvin Yoder Tobin Dirks	<ul> <li>send a rep to priority setting meetings in Ottawa</li> </ul>	<ul> <li>Heather participated in 2009</li> <li>Heather &amp; Calvin participated in 2010</li> <li>Calvin and Tobin participated in 2012</li> <li>Calvin attending in 2016</li> </ul>
7. Send growers to Oregon/ other seed meetings	Priority Urgency Achievability		<ul> <li>Encourage &amp; source funding for growers to participate in Oregon meetings in Dec</li> <li>Notice in next FSN to see if growers are interested</li> </ul>	<ul> <li>Funding secured in 2010 &amp; group sent</li> <li>Identified in grower calls as a to do again</li> <li>Tobin &amp; Talon to CFGA conf. Nov 2015</li> </ul>
8. Use our unified voice to link with other groups & revitalize research	High Priority High Urgency Med Achievability	Calvin Yoder Talon Gauthier	<ul> <li>show leadership &amp; push for unified research plan</li> <li>AB Peace Producers Association → ask Calvin??</li> <li>Coordinate research, info &amp; events between SARDA, PRFSA, NPARA, BCGPA, MARA, PRFA, CFGA etc.</li> </ul>	<ul> <li>Calvin &amp; Sandra partnering with NPARA, SARDA, AAFC for trials &amp; events</li> <li>links with U of A</li> </ul>
9. Compile stats by crop for setting priorities	Medium Priority Medium Urgency Med Achievability	Dave Wong Calvin Yoder Rick Friesen Talon Gauthier	<ul> <li>visit each seed processor showing them stats available from MFSA from same companies</li> <li>get companies all reporting in unified format</li> <li>revisit legislation &amp; regs to see what is possible</li> </ul>	<ul> <li>Compiled in 2008, 2009 &amp; 2010</li> <li>Compiled for 2013</li> <li>2014 in progress</li> </ul>

10. Investigate	Medium Priority	Rick Friesen	- contact CRA to see if levy dollars going into research	- started dialog/ process with both Alberta &
SR&ED tax credits	Medium Urgency	Talon Gauthier	can receive a SR&ED tax credit	BC CRA offices; Rick has contact in SK
	Med Achievability		- get update from Rick Friesen/ Secan (Trent Whiting)	specializing in working with commissions

# PRFSA Strategic Planning Process in 2015-16 & Progress To Date (as of Mar 2016) Production Issues & Priorities for Next 5 Years:

High Priority High Urgency High Achievability High Priority Medium Urgency High Achievability Med Priority Med Urgency Med Achievability	Calvin Yoder Talon Gauthier Calvin Yoder Ryan Pineo Gordon Hill	<ul> <li>Having someone dedicated to doing research at the adoption level (in growers fields)</li> <li>Set up trials or demos</li> <li>Summarize past work</li> <li>2011: need for P<sub>2</sub>O<sub>5</sub> or S work? But differences difficult to measure, pH, yield &amp; seed weight</li> <li>Addition of calcium carbonate/ lime</li> <li>Deal with increased demand/ cost of N-P-K-S</li> <li>support FNA &amp; Own Use Import program to get 34-0-0 across the US border or Russia</li> <li>contact Heather McBey to see what trials have already been done</li> <li>Application of micros (Cu, Bo, Mg, ect)</li> </ul>	<ul> <li>Contacted BCGPA to co-interview for a researcher</li> <li>Contacted N. Fairey to compile past work → done or still needed?</li> <li>Set up trial/demo in Manning area</li> <li>Set up 2 new trials in Beaverlodge area</li> <li>Compiled a factsheet for fescue (SH #1?)</li> <li>FNA is building 7 farmer owned supercenters across prairies (1 in the Peace) → article in next FSN?</li> <li>can order 34-0-0 2 to 3 months in advance (currently cost prohibitive with the deller supercenters)</li> </ul>
Medium Urgency High Achievability Med Priority Med Urgency	Talon Gauthier Calvin Yoder Ryan Pineo	<ul> <li>Summarize past work</li> <li>2011: need for P<sub>2</sub>O<sub>5</sub> or S work? But differences difficult to measure, pH, yield &amp; seed weight</li> <li>Addition of calcium carbonate/ lime</li> <li>Deal with increased demand/ cost of N-P-K-S</li> <li>support FNA &amp; Own Use Import program to get 34-0-0 across the US border or Russia</li> <li>contact Heather McBey to see what trials have already been done</li> </ul>	<ul> <li>→ done or still needed?</li> <li>Set up trial/demo in Manning area</li> <li>Set up 2 new trials in Beaverlodge area</li> <li>Compiled a factsheet for fescue (SH #1?)</li> <li>FNA is building 7 farmer owned supercenters across prairies (1 in the Peace) → article in next FSN?</li> <li>can order 34-0-0 2 to 3 months in advance (currently cost prohibitive with</li> </ul>
Med Urgency	Ryan Pineo	<ul> <li>support FNA &amp; Own Use Import program to get 34-0-0 across the US border or Russia</li> <li>contact Heather McBey to see what trials have already been done</li> </ul>	<ul> <li>supercenters across prairies (1 in the Peace) → article in next FSN?</li> <li>-can order 34-0-0 2 to 3 months in advance (currently cost prohibitive with</li> </ul>
		<ul> <li>Mineral balancing</li> <li>Are we putting on enough N &amp; at the right time?</li> <li>P &amp; K → benefits? Costs?</li> <li>Soil amendments other than fertilizer that promote microbes not kill (compost, residual, ect)</li> </ul>	the dollar exchange) - Dirks custom anhydrous ammonium application??
Low Priority Low Urgency Med Achievability	Herman Klassen	<ul> <li>Many in Prespatou area experimenting with liquid N &amp; P application in spring &amp; fall → spray with herbicides? Cost efficient?</li> </ul>	<ul> <li>more questions to Calvin re: use of liquid fertilizer</li> <li>Follow work being done in Prespatou</li> </ul>
Low Priority Low Urgency High Achievability	Rahman Azooz Calvin Yoder	<ul> <li>summarize past research</li> <li>communicate &amp; get info out to growers</li> <li>\$ value of having forages in rotations</li> <li>Scan old docs and add to website</li> </ul>	<ul> <li>Article in FSN</li> <li>Chapters AB Forage Manual</li> <li>CFGA compiling value of forages for each province</li> <li>Act 2 in current AIP project</li> </ul>
Priority Urgency Achievability	Gary Ropchan Calvin Yoder Bernie Schoorlemmer	<ul> <li>work with applied research group to eliminate clip year</li> <li>research weed control issues if this system developed</li> </ul>	<ul> <li>Gary Ropchan gave an update of his research at seminar in 2009</li> <li>re-emphasized at Nov 2009, looking to renew partnership</li> <li>included in DIAP project workplan</li> <li>Trial initiated at Beaverlodge in Fall 2011</li> </ul>
Med Priority Low Urgency Low Achievability	Talon Gauthier Calvin Yoder Heather McBey Hill Farms	<ul> <li>Continue to have part of tours &amp; field days so growers learn from each other</li> <li>Vertical tillage → not a lot of information and trials would be beneficial (chisel plow/ vertical tillage) Heather McBey may have info</li> <li>Demos of equipment (i.e. McFarlane heavy harrows, Colter/Bourgault air drill) at tours/ field days</li> </ul>	Concern: many things tried with varied results → what works for one doesn't work for others
	Low Urgency Med Achievability Low Priority Low Urgency High Achievability <i>Priority</i> <i>Urgency</i> <i>Achievability</i> Med Priority Low Urgency	Low Urgency Med AchievabilityKlassenLow Priority Low Urgency High AchievabilityRahman Azooz Calvin YoderPriority Urgency AchievabilityGary Ropchan Calvin Yoder Bernie SchoorlemmerMed Priority Low Urgency Low AchievabilityTalon Gauthier Calvin Yoder Heather McBey Hill Farms	Low Priority Low Urgency Med AchievabilityHerman Klassen-Many in Prespatou area experimenting with liquid N & P application in spring & fall → spray with herbicides? Cost efficient?Low Priority Low Urgency High AchievabilityRahman Azooz Calvin YoderEvent ConstructionRahman Azooz Calvin YoderScan old docs and add to websitePriority Urgency AchievabilityGary Ropchan Calvin YoderValue of having forages in rotations - Scan old docs and add to website-Priority Urgency AchievabilityGary Ropchan Calvin Yoder Bernie SchoorlemmerMed Priority Low Urgency Low AchievabilityTalon Gauthier Calvin Yoder Heather McBey Hill Farms-Continue to have part of tours & field days so growers learn from each other -Med Priority Low AchievabilityTalon Gauthier Calvin Yoder Heather McBey Hill Farms-Continue to have part of tours & field days so growers learn from each other Low AchievabilityTalon Gauthier Heather McBey Hill Farms

8. Forage Seed Production Handbook	Low-Med Priority Low Urgency Med Achievability	Calvin Yoder Heather McBey Talon Gauthier	<ul> <li>No till vs ploughing</li> <li>Black seeding at varying rates with focus on taking 1 production crop with many of the grass species (esp fescue cause easier to take out of rotation before getting "root bound")</li> <li>Find the books that have been compiled &amp; make accessible</li> </ul>	<ul> <li>- AB Alfalfa Commission has an alfalfa production book</li> <li>- Book created for CRF in the Peace?</li> </ul>
<ul> <li>9. Precision farming practices</li> <li>10. Long term</li> </ul>	Low Priority Low Urgency Med Achievability		Demos of: - Variable rate technology - RTK (real time kinematics) - In row fertilizer applications - storing dry vs. tough	<ul> <li>MFSA → Per. Ryegrass &amp; Timothy?</li> <li>-</li> <li>- Not an issue anymore → can it be</li> </ul>
storage forage seed 11. Cost of Production	Low Urgency Low Achievability Low Priority Low Urgency Low Achievability		<ul> <li>quality/ germination</li> <li>bagging demo (AG, BC, MR)</li> <li>Forage seed is a niche market → need to ensure all innovations are getting good returns</li> <li>Economic comparison of CrossSlot openers vs indirect hoe openers (Paralink)</li> </ul>	removed from the strategic plan? Concern: The cost of production for the same species can vary depending on what other crops can be grown in the area
12. Historical Weather Info	Low Priority Low Urgency Low Achievability		<ul> <li>Continue to support weather project on BC side</li> <li>Growers can access data on AAFC website</li> </ul>	- Supporting project on the BC side "Weather Monitoring & Decision Making Tools"

#### PRFSA Strategic Planning Process in 2015-16 & Progress To Date (as of Mar 2016) **Research Highest Priorities for Next 5 Years:**

Priority	Ratings	Champion	Next Steps	Progress to Date
1. Case bearer in red clover	High Priority High Urgency High Achievability	Jennifer Otani Maya Evenden	<ul> <li>continue to collect info from 1<sup>st</sup> yr crops</li> <li>investigate biocontrol methods</li> <li>Contact Jennifer to see what next steps are</li> <li>Continue to look for solutions as this pest has severely affected this commodity</li> </ul>	<ul> <li>partnered with UofA on pheromone trials</li> <li>Update from Boyd Mori at 2014 AGM</li> <li>Monitoring occurring in AB &amp; BC pest projects</li> <li>ACIDF funding denied to look at mech. of resistance in alsike clover</li> </ul>
2. Respond to insect problems as they arise	High Priority High Urgency High Achievability	Jennifer Otani Talon Gauthier	<ul> <li>as specific need arises, JO will approach PRFSA for support</li> <li>Grasshoppers a big issue in drought conditions → grasshopper resistant varieties?</li> <li>Clover weevil in alsike clover in Girouxville</li> <li>Sheeps fescue aphids</li> <li>European clipper outbreak in Valleyview (detrimental to timothy)</li> </ul>	<ul> <li>cutworm research in 2010 &amp; 2011</li> <li>PPMN updates/blog available on website</li> <li>PRFSA partnered with Climate Action pest monitoring in BC Peace 2014-2015</li> <li>PRFSA submitting application to extend BC pest monitoring (Feb 2016)</li> </ul>
3. Zero till research for both going in/ out of forage seed & annual crops	High Priority High Urgency Med Achievability	Calvin Yoder Terry Chaibos Dave Wuthrich CPCS SARDA	<ul> <li>review what we have learned &amp; compile zero till/ rejuv</li> <li>continue work on fall &amp; spring spraying fescue control</li> <li>spring spraying for direct seeding canola into fescue</li> <li>set up mower/ herbicide applicator trials in Falher area with SARDA</li> <li>organize workshop or field day</li> <li>regrouping for next priorities, projects &amp; partnerships for rejuvenation of fescue without tillage</li> </ul>	<ul> <li>discussions of this topic at our events</li> <li>pre seeding burnoffs now included in all herbicide tolerance trials</li> <li>data compiled &amp; Prepass soon to get MU registration</li> <li>Ongoing part of our research, always investigating better methods</li> <li>Waiting on info from Calvin</li> </ul>
4. Herbicide trials & minor use work	High Priority High Urgency High Achievability	Calvin Yoder MFSA	<ul> <li>have good cooperation &amp; good data</li> <li>need person dedicated to compile MU submissions</li> <li>continue to send tolerance data</li> <li>Why are companies not paying for MU registrations?</li> </ul>	<ul> <li>Joined Prairie Pesticide Minor Use Consortium (2008 – 2016)</li> <li>Successfully got 20+ MU since 2008</li> </ul>
5. Grass seed variety trials, new varieties and approaches to trials	High Priority High Urgency High Achievability	Talon Gauthier Rahman Azooz Pat Ganselves Jennifer Otani	<ul> <li>increase the number of sites in the Peace</li> <li>continue to dialog with Ag Canada re pivotal role of Beaverlodge station</li> <li>urge more companies to participate</li> <li>alfalfa, crimson clover, arrow clover, warm season grasses &amp; winter hardiness</li> <li>drought resistant/hardy varieties/species</li> <li>review list of companies &amp; breeders</li> </ul>	Concerns: Beaverlodge only site remaining - companies decreasing - more & more subsidization by PRFSA - 20 entry limit at Beaverlodge Progress: collaborated with AAFC staff to obtain AgriInnovation funds for 5 years - Focus on testing new species as available
6. Opportunities with new species	Priority Urgency Achievability		<ul> <li>Need to look at new species &amp; opportunities</li> <li>Polyculture cropping for seed production</li> </ul>	
7. Working with growth regulators	High Priority Med Urgency	Calvin Yoder	<ul> <li>commonly used in Europe &amp; US but expensive</li> <li>used in Southern AB with irrigation</li> </ul>	- Funding for clovers (red & alsike), timothy, fescue & brome in 5 year

High Achievability

- keep trials as many drought years recently

AgriInnovation project plus one year extra

on red clover with SARDA

	TRI DA Otrategie i lamining i locess in 2010-10 di l'ogress to Date (as or mar 2010)						
8. Current weed control issues	High Priority Medium Urgency Med Achievability	Calvin Yoder Kerry Clark	Next steps: re: foxtail barley in fescue and brome- urge agencies to identify foxtail barley as invasive- review any research for biological control options- promote awareness/education on how to control- Assure II not working on foxtail in fescue as well- Few/ no options for many speciesNext steps: re: responding to other weed problems	Concerns: - no effective herbicides found for control of foxtail barley - no access to herbicides for annual bluegrass Progress: - on national priority list "with no solution to			
			<ul> <li>keep current with issues e.g.weed control for alfalfa &amp; clover crops or weed issues from climate change</li> <li>recommend initiatives to address issues as they arise</li> <li>No options for wheat underseeded to timothy</li> <li>Thistles in fescue an issue</li> <li>Curled dock in fescue &amp; timothy (Prespatou)</li> <li>Golden buttercup?? in fescue &amp; timothy (Prespatou)</li> <li>Russian pigweed in alfalfa (Fort Vermillion)</li> <li>Wild oats ongoing issue</li> <li>Nightflowering catchfly/ toadflax</li> <li>Another option in cereals underseeded to clover than MCPA + amine??</li> <li>red top in timothy</li> <li>annual bluegrass</li> </ul>	date" - initiating a trial to control annual bluegrass with Arthur Hadland but still searching for a good product			

### **Research Second Tier Priorities for Next 5 Years:**

Priority	Ratings	Champion	Next Steps	Progress to Date
9. Carbon credits with forage crops	Low Priority Low Urgency Med Achievability	Bernie Legault Bernie Schoorlemmer Talon Gauthier	<ul> <li>find out sequestration rates for forage seed crops &amp; our soil types</li> <li>obtain info/ research results &amp; share this info</li> <li>Follow up with previous leads, AB Agriculture, AgriTrend &amp; Carbon Credit Solutions as data was needed</li> </ul>	<ul> <li>evaluated HOLOS program with a few forage seed growers</li> <li>Bernie Legault attending carbon meetings hosted by Viterra</li> <li>Still no formulas for calculating carbon credits from forage</li> <li>No credits for current good management, only new changes to management</li> </ul>
10. Fungicide trials & disease control	Priority Urgency Achievability	Calvin Yoder Reuben Loewen/ Fosters/ BY	<ul> <li>investigate future project with stem eyespot control</li> <li>Headline trials occurring</li> <li>Discussion with JO re: leaf hoppers → only one of the vectors, plant stress a big contributor, no biologist to work on this in Canada currently, important issue but cannot work on right now</li> </ul>	<ul> <li>Concerns:</li> <li>challenging to set these trial up</li> <li>needs to be an in depth project</li> <li>need to monitor for 5 yr or more</li> <li>Small plot combining constraint in past</li> <li>Trials set up by Calvin Yoder, Rahman Azooz &amp; Allan Gifford</li> </ul>
11. Legume seed	Low Priority	Heather & John	setup comparison of swathing vs straight cut	Concerns: currently program restriction
production trials	Med Urgency	Kerschbaumer	- recognized as a longer term priority	- low achievability now, but achievable in
8/07/2017	Med Achievability	Jennifer Otani	- Was there any progress (ask Calvin) ategic Plan Summary Process & Tables 2015-16 Draft 5	future pg 9

12. Long term crop/forage rotations	Low Priority Med Urgency Med Achievability		<ul> <li>need long term research for rotations &amp; market cycles</li> <li>continue research on rotation options/ alternatives</li> <li>longer term forage seed rotations (less annuals)</li> </ul>	-
13. PRFSA long term researcher	High Priority High Urgency High Achievability		<ul> <li>Lobby for Beaverlodge staff to do more off station field research</li> </ul>	<ul> <li>Identified a researcher for work outside of Beaverlodge is needed</li> </ul>
14. Develop a better creeping red fescue than Boreal	Low Priority Low Urgency Low Achievability	Talon Gauthier	<ul> <li>Continue to support public variety development to find more productive seed producers than regional check varieties</li> </ul>	<ul> <li>Progress to date:</li> <li>Not achievable with Oracle → sent to Europe and seed was tested to not be 100% pure (contaminated with Boreal) therefore it was not accepted into trials</li> </ul>
15. More research suggestions from growers/ members	Low Priority Low Urgency Low Achievability		<ul> <li>Different openers, disc vs hoe → lots of work done</li> <li>Organic seed production</li> <li>Focus on killing (fertilizer &amp; pesticides) other options?</li> <li>→ lots being done by organic associations perhaps suggest levy dollars better directed there?</li> <li>Seed treatments &amp; primers as opportunities arise</li> </ul>	-