



Crop Science  
Entomology  
Horticulture  
Plant Biology  
Plant Genetics  
Plant Pathology

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DATE: January 27, 2009

TO: Variety Release and Recommendation Committee Members

FROM: John Sherwood, Chairman

Re: 2009 Minutes and Committees

Chairman: John Sherwood, Department Head PSPP

Secretary: Irene Decker, Administrative Assistant, PSPP

Present: John Sherwood, Susan Lanning, Ron Ramsfield, Mary Burrows, Luther Talbert, Grant Jackson, Bob Stougaard, David Weaver, Heather Mason, Fabian Menalled, Jerry Bergman, Joyce Eckhoff, Becky Mahurin, Peggy Lamb, Ken Kephart, Tom Blake, Mike Giroux, Joy Garcia, Gigi Opena, John Miller, Melvin Goffena, Dennis Cash, Jim Berg, Stan Bates, Phil Bruckner, John McDonnell, Jim Kulish, Heather Rimel, Bob Hodgkiss, Ron Larson, Irene Decker

Agenda:

1. Approval of 2008 Minutes Variety Release and Recommendation Committee(s)
2. Discuss and vote on the motions put forth by the following committees in the order given: Wheat, Forage, Specialty, and Horticulture and Native Plants

**Agenda**

1. Approval of 2008 Minutes Variety Release and Recommendation Committee(s)
2. Discuss and vote on the motions put forth by the following committees in the order given: Wheat, Barley Forage, Specialty, and Horticulture and Native Plants

**Wheat:**

**Luther Talbert**

A motion to remove AgriPro NorPro from the spring wheat variety recommendation list, effective February 2009.

Mr. Joe Smith of AgriPro has asked us to remove this variety from the recommendation list.

A motion that AP604 CL hard red spring wheat be recommended for dry land areas in district 1-6 in Montana.

Motion 2 submitted by Mr. Joe Smith, AgriPro Wheat

**Phil Bruckner**

A motion to remove Vanguard from the list of winter wheat varieties recommended in Montana for districts 4 and 5.

**Forage**

Tom Blake

A motion that Montana 981397 be recommended for release through the Montana Foundation Seed program for sale to growers in 2010. It is suggested that this variety be called Moccasin.

**Discussion on Wheat stem sawfly (David Weaver)**

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J. Sherwood – Is there a motion to approve minutes from 2008 Variety Release meeting?

N. Weeden – Made a motion to approve the minutes from the 2008 meeting

G. Jackson – Seconded the motion

Vote: 15 for and 0 against

J. Sherwood- Noted that Peggy Lamb is proxy for Gregg Carlson who could not attend. Kurt Kammerzel and Dave Wichman also were not able to attend.

**2009 Variety Release Committees**

<b>Wheat Variety Release Committee</b>		
<i>Voting Members, 16</i>	<i>Affiliation</i>	<i>Appointing Administrator</i>
<i>Chair , John Sherwood</i>	<i>PSPP Head</i>	<i>Director MAES</i>
1. Phil Bruckner-spring Luther Talbert-winter	Breeder	PSPP Head
2. Mike Giroux	Quality - Cereal or Forage	PSPP Head
3. Mary Burrows	Plant Pathologist	PSPP Head
4. Bill Grey	Manager	MT Foundation Seed Program
5. Ron Larson	Manager	MT Seed Growers Association
6. Fabian Menalled	Weed Scientist	LRES Head
7. Perry Miller	Cropping systems	LRES Head
8. David Weaver	Entomologist	LRES Head
9. Gregg Carlson (proxy Peggy Lamb)		NARC Superintendent
10. Dave Wichman (absent)		CARC Superintendent
11. Grant Jackson		WTARC Superintendent
12. Bob Stougaard		NWARC Superintendent
13. Joyce Eckhoff		EARC Superintendent
14. Ken Kephart		SARC Superintendent
14. Kurt Kammerzell (absent)	Chair	MAES Advisory Board
16. Mel Goffena		Montana Wheat and Barley Comm.
Ex-officio Becky Mahurin	Dir. Technology Transfer	V.P. for Research, Creativity and Technology Transfer

Motion by L. Talbert to remove AgriPro Norpro from the spring wheat variety recommendation list, effective February 2009. Mr. Joe Smith of AgriPro has asked us to remove this variety from the recommendation list.

Mr. Bob Hodgskiss, on behalf of AgriPro – NorPro was widely grown in North Dakota and introduced in Montana three or four years ago. NorPro failed to gain acceptance in Montana, therefore AgriPro has requested this variety be removed from the recommended list.

R. Larson seconded the motion

Vote: 14 for and 0 against

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Motion by L. Talbert that AP604 CL hard red spring wheat be recommended for dryland areas in districts 1-6 in Montana. This motion was submitted by Mr. Joe Anderson, AgriPro Wheat.

*AP604 CL is a hard red spring CLEARFIELD (CL) wheat bred and developed by AgriPro and released to AgriPro Associates in 2007. PVP was received in 2007. It was derived from a cross between two CL lines AP601 CL and AP602 CL. AP604 CL contains patented traits and will be managed under a Stewardship Agreement. It has exhibited good adaptation across the Northern Plains including the dryland spring wheat areas of Montana. This variety would provide growers using the CL production system with a solid choice for most growing conditions. Its strengths include good dryland performance and height, very high test weight and early maturity.*

B. Hodgkiss – This is a 2 gene, Clearfield, hard red spring wheat variety, It has above average yields, early maturity, intermediate plant height, has acceptable bread making qualities, medium seed size and a more than adequate disease package. It serves as a good rotation crop with malt barley.

G. Jackson – How much are Clearfield varieties grown in Montana?

B. Hodgkiss – There is a lot of it out there. It does help to rectify severe weed problems. The number of acres of the Clearfield varieties has grown dramatically in the last two years.

B. Grey – On page seven, the last column shows a fair tolerance to disease pressures.

B. Hodgkiss – It really does have a high tolerance because it was grown in areas with very high disease pressure – the Red River Valley in North Dakota.

G. Jackson seconded the motion

Vote – 14 for and 0 against

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Motion by Phil Bruckner that Vanguard be removed from the list of winter wheat varieties recommended in Montana for districts 4 and 5.

G. Jackson seconded the motion.

P. Bruckner – It is past time to remove this variety. The purpose in removing it is to clean up the recommended list. Production is down to 45,000 acres; there are other good varieties choices for sawfly production areas.

J. Sherwood – It is only recommended for districts 4 and 5?

P. Bruckner – Yes

R. Larson – No Vanguard certified seed was grown in their program last year.

Vote – 14 for and 0 against

<b>Forage Crop Variety Release Committee</b>		
<b>Voting Members, 16</b>	<b>Affiliation</b>	<b>Appointing Administrator</b>
<i>Chair, John Sherwood</i>	<i>PSPP Head</i>	<i>Director MAES</i>
1. Norm Weeden	Breeder	PSPP Head
2. Dennis Cash	Quality - Cereal or Forage	PSPP Head
3. Mary Burrows	Plant Pathologist	PSPP Head
4. Bill Grey	Manager	MT Foundation Seed Program
5. Ron Larson	Manager	MT Seed Growers Association
6. Fabian Menalled	Weed Scientist	LRES Head
7. Perry Miller	Cropping systems	LRES Head
8. David Weaver	Entomologist	LRES Head
9. Gregg Carlson (proxy Peggy Lamb)		NARC Superintendent
10. Dave Wichman (absent)		CARC Superintendent
11. Grant Jackson		WTARC Superintendent
12. Heather Mason		NWARC Superintendent
13. Joyce Eckhoff		EARC Superintendent
14. Ken Kephart		SARC Superintendent
14. Kurt Kammerzell (absent)	Chair	MAES Advisory Board
16. Roger Hybner		Bridger Plant Materials Ctr. Manager
Ex-officio Becky Mahurin	Dir. Technology Transfer	V.P. for Research, Creativity and Technology Transfer

Motion made by T. Blake (on behalf of Dave Wichman) that MT981397, a hay barley, be considered for release by the variety release committee.

*'MT981397' is a two rowed hooded spring barley and is a cross between 'Haybet' and 'Baronesse'. 'Haybet'(P.I.533600) was developed by USDA-ARS and the Montana Experiment Station and was released in April 1989. Haybet is a two-rowed, hooded, white kerneled, spring barley developed as a forage barley and derived from the cross 'Betzes\*7/'Strip Tease'. Baronesse is a two- rowed feed barley developed in Germany and marketed by Westbred LLC in the United States.*

T. Blake – It is a hay barley for growers who have a need for forage production and a higher seed yield than Hays barley. Proposed name is “Moccasin”.

J. Sherwood - The name will need to be accepted by the Director.

D. Weaver – Are there any other varieties that are associated with research centers?

J. Sherwood - The name of the research center is Central Ag Research Center, not Moccasin.

J. McDonnell – How tolerant is it to lodging under irrigated conditions?

T. Blake – Data from Bozeman would provide the irrigated agronomic performance.

J. Sherwood – Has this been considered for PVP?

B. Grey – Question for Dennis Cash, what is the feed quality?

D. Cash – All the forage quality data comes from a single location.

J. Sherwood – Should there be more feed data required for review of this variety?

D. Cash – At what cost? We are not set up for that now.

T. Blake – Dave wanted this out there to meet the needs of farmers who were disappointed with the results of Hays barley.

J. Sherwood - Are the NDF levels a concern?

D. Cash – We do not have complete set of forage quality data. In Tables 9-11 the high ADF and NDF values (bad) and low TDN (bad) at Moccasin are of concern, but MT 981397 does not appear to be any different from 'Hays' (again we need more locations of data.).

Joyce Eckhoff – Do we need a complete set of data?

J. Sherwood – Hard to require things we don't ask for, but certain things may be a problem. It should at least be noted that there is not enough data to draw a firm conclusion on feed quality.

Second by D. Cash

Vote: 14 for and 0 against

J. Sherwood – Since the royalty fee system was introduced, we have not protected any forage varieties. The way the system is set up now, if this Committee recommended this to the Director, the Director would assign the Wheat and Barley Variety Protection Committee to review the issue of whether this variety should be protected.

J. Miller – The research fees are used to generate money to put out more and better varieties.

J. Sherwood – Cost for PVP is approximately \$5000. If it doesn't generate that much in research fees, then it may not be worth PVP license. There are other reasons rather than sales to consider a PVP license, which the committee would consider.

J. McDonnell - This is a much better variety for seed production in the tough dry years than Hays barley

D. Cash – We don't have a track record to show that the money does go back into the breeding programs to develop new varieties.

B. Grey – Sales could be good if it beats Hays. I would be in support of licensing and protecting this variety.

J. Sherwood – We would need a company willing to license it or it could be a public, protected variety.

B. Grey – We can leave all options on the table.

J. Sherwood – Two different committees need to get involved. We need to make a recommendation to the Director.

T. Blake – Sometimes it is the kiss of death to do a public variety. If we do license it to a company, perhaps they can develop a broader market.

R. Larson – In 2007, there was over 1000 acres of Haybet and 600 acres of Hays in certified seed production. I suspect that 2008 was similar. There are enough acres to suggest that it has potential as a hay barley.

P. Bruckner – Is there a question on the purity and uniformity of the breeder seed. The description mentions 9 bushels of breeder and line rows that can be used for purification. Breeder of seed comes from a line with line rows of and must be must be stable and uniform.

B. Grey – Is this still putting us a year ahead of true release, particularly if we need to evaluate the line rows and breeder seed

J. Sherwood – He can collect data for next two years and then we can protect it if we want. Right now we are just going for the release of this variety.

B. Grey – If we have to go back to line rows to purify the variety, then this will delay the release by one year.

D. Cash – Tom Blake is the barley breeder and it should meet his criteria.

J. Sherwood – It is Dave Wichman's name on the release motion and in cooperation with Tom Blake.

Vote: 14 for and 0 against.

T. Blake – There are nine bushels available now.

J. Sherwood – Let's hold off on the vote on whether to protect or license this variety until we are closer to making it available and Dave Wichman is here.

Motion by B. Grey Motion to adjourn the Variety Release meeting

N. Weeden seconded the motion.

Vote: 14 for and 0 against