



DATE: January 26, 2010
TO: Variety Release and Recommendation Committee Members
FROM: John Sherwood, Chair
Re: 2010 Minutes and Committees

Chair: John Sherwood, Department Head PSPP
Secretary: Irene Decker, Administrative Assistant, PSPP

Present: John Sherwood, Phil Bruckner, Peggy Lamb, Joyce Eckhoff, Becky Mahurin, Jeff Whitmus, Gregg Carlson, David Wichman, Grant Jackson, Mal Burgess, Bob Stougaard, Ron Larson, Heather Rimel, Jim Kulish, Johnna Hesper, Kelly Arnold, John H. Miller, Tracy Dougher, Fabian Menalled, William Hoch, Joe Scianna, Jerald Bergman, Beth Graham, Susan Winslow, Roger Hybner, Jim Jacobs, Mike Giroux, Dan M. Roddy, Ron Ramsfield, Susan Lanning, Joy O. Garcia, Gigi Opena, Melvin Goffena, Jim Berg, Perry Miller, Nancy Blake, Luther Talbert, Irene Decker

Not in attendance: Kurt Kammerzell, Heather Mason, David Weaver (submitted opinions by email), and Mary Burrows (submitted opinions by email).

Agenda

1. Approval of 2009 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

Phil Bruckner and Jim Berg

A motion that MT0552 hard red winter wheat (HRWW) be approved for protected MAES public cultivar release in 2010.

Joyce Eckhoff

A motion for the release of durum wheat MT03012.

Horticulture and Native Plants

Susan Winslow

A motion for the pre-varietal release of 9081828 blanketflower selected class germplasm

Beth Graham

A motion for the pre-varietal release of 9081334 silver buffaloberry

Crop Science
Entomology
Horticulture
Plant Biology
Plant Genetics
Plant Pathology

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selected Class of natural germplasm

J. Sherwood – Is there a motion to approve minutes from 2009 Variety Release meeting?

B. Grey – Made a motion to approve the minutes from the 2009 meeting

G. Jackson – Second the motion

Vote: 14 for and 0 against

J. Sherwood – Everything that is voted on by the variety release committees is a recommendation to the Dean/Director. I will send an email to the variety release listserve when I hear back from the Director and let all of you know the final decisions made by the Director.

2010 Variety Release Committees

Wheat Variety Release Committee		
<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 - absent	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 - absent	Entomologist	LRES Head
9. Gregg Carlson		NARC Superintendent
10. Dave Wichman		CARC Superintendent
11. Grant Jackson		WTARC Superintendent
12. Bob Stougaard		NWARC Superintendent
13. Joyce Eckhoff		EARC Superintendent
14. Ken Kephart		SARC Superintendent
15. Kurt Kammerzell - absent	Chair	MAES Advisory Board
16. Melvin Goffena		Montana Wheat and Barley Comm.
Ex-officio Becky Mahurin	Dir. Technology Transfer	V.P. for Research, Creativity and Technology Transfer

Wheat

Phil Bruckner

A motion to remove the Soft White Winter Wheat Varieties (the whole section) from the winter wheat recommended list since we are testing soft white winter wheat

varieties only at Bozeman and do not have an adequate data base to make these recommendations.

D. Wichman – Second the motion

M. Goffena – The Montana Wheat and Barley Committee is working on marketing blends of soft wheat and hard red spring wheat. Please continue the test of soft white winter wheats for another year and bring this motion forward next year.

P. Miller – Are there any specialty niche markets?

P. Bruckner – Nothing detectable in the acreage surveys. We can leave it alone for this year, but I want to emphasize that we are not generating a database anymore.

D. Wichman – Which varieties are on the list?

P. Bruckner – Eltan is the best one and we are still testing it.

M. Giroux – Idaho and Washington are testing new varieties again including Eltan, the long term check variety.

P. Bruckner – I am withdrawing the motion for this year.

J. Sherwood – Motion removed.

J. Sherwood – To Melvin Goffena: It might be good to discuss this issue at the MWBC meeting in a few weeks.

Phil Bruckner and Jim Berg

A motion that MT0552 hard red winter wheat (HRWW) be approved for MAES protected public cultivar release in 2010.

G. Jackson – Second the motion

P. Bruckner – This variety shows good performance in Eastern Montana and North Dakota although it did quite well at all testing locations. It is a composite of 3 crosses. It is winter hardy, high yielding, has short stature, and has about the same stem rust resistance, yield potential and winter hardiness as CDC Falcon. In other areas, it is an improvement over Falcon. We are suggesting the name of Decade as we have worked 13 years with the Williston Research and Extension Center on this variety. The variety reflects the cooperation between Montana and North Dakota.

J. Sherwood – Since this is a joint release, do we need to wait until North Dakota approves it?

P. Bruckner – It is up to North Dakota if they want to do a joint release. Dr. Grafton, Dean/Dir. NDSU, will make that decision. There is about 40 acres of Foundation seed in production for 2010 crop year. It appears to have levels of

spontaneous aneuploidy which results in tall off-type plants. Our only reservation about this variety is that there is considerable height variation.

D. Roddy – CDC Falcon had the same problem and after a few years people just came to accept it.

P. Bruckner – Other wheat varieties that have this type of height variability are Len and Highline. For quality, Decade is a really strong gluten type – with high water absorption and needs to be mixed longer.

M. Giroux – People are not complaining about that. In summation, it is a good quality variety.

Vote – 13 for, 0 against

Joyce Eckhoff

A motion that MT03012 durum wheat be approved for MAES protected public cultivar release in 2010.

R. Larson – Seconded the motion

J. Eckhoff – This is a product of a genetic male sterile facilitated recurrent selection composite cross population. As such there is no known pedigree. This line was free of leafspots and green in the middle of many diseased plants. The line is day length insensitive. In dryland sites only, the yields were similar to Mountrail, Alkabo, and Grenora. We selected for day length sensitivity by growing in the greenhouse in the winter. Compared to check varieties, it is quite a bit shorter, had a more solid stem on two sites where it was grown, and had similar test weights.

K. Kephart – Is there a statistical difference among the cultivars tested for sawfly cutting?

J. Eckhoff – I am not sure, but I think so since we have 28 location years tested. Other characteristics include a protein percent the same as that of Mountrail, a higher NRI hardness number, similar yield, and acceptable color.

M. Giroux – What is the cadmium level?

J. Eckhoff – It has a high cadmium level.

R. Larson – What does it look like?

J. Eckhoff – It has black awns, but not black chaff

M. Giroux – We need statistical analysis. It is hard to make comparisons if we don't have that.

Joyce E. – I followed the format of a variety from last year.

K. Kephart – On releases, we always have statistical data. You may have looked at one that was recommended only..

M. Giroux – The yield looks lower for MT03012 than the comparable varieties.

J. Sherwood – It is hard to say because there are no statistics.

J. Eckhoff – I have the replicated data; I just don't have it with me.

B. Grey – How much seed do you have?

J. Eckhoff – A limited amount.

B. Grey – How about if we wait a year to review the release, plant the seed you have for a closer look and for expansion of breeder seed.

J. Eckhoff – That would be fine.

B. Grey – An additional year would provide time for the description and determine if the line has uniformity. It would also be helpful to have a larger quantity of seed for foundation production.

B. Stougaard – If this were a private company with similar information, how would be look at it?

P. Bruckner – We still need the mean separation among cultivars tested.

J. Sherwood – We can ask Joyce to provide the stats through email if this is a rush or bring it back next year.

J. Eckhoff – Do you want all the sites analyzed together?

J. Sherwood – The Committee usually looks at all data and compares it statistically. It would be good to have a Montana variety in the Foundation Seed program. How does the Committee want to proceed?

K. Kephart – We need a Least Significant Difference under each column. I am not prepared to vote in favor as it is presented.

R. Larson – We should set it aside for one year and next year Joyce could provide the numbers.

J. Sherwood – Joyce does not need to collect more data, just present the statistical data that is there.

J. Eckhoff – I withdraw my motion.

K. Kephart – In fairness to Joyce, there are some varieties that were up for release in past years that also did not have the data we are asking for. We need to be more diligent about having the necessary statistics.

Horticulture and Native Plants Variety Release Committee		
<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. Bill Hoch	Horticulturist	PSPP Head
2. Tracy Dougher	Horticulturist	PSPP Head
3. Mary Burrows - absent	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 - absent	Entomologist	LRES Head
9. Gregg Carlson		NARC Superintendent
10. Dave Wichman		CARC Superintendent
11. Grant Jackson		WTARC Superintendent
12. Heather Mason - absent		NWARC Superintendent
13. Jerry Bergman		EARC Superintendent
14. Ken Kephart		SARC Superintendent
15. Kurt Kammerzell - absent	Chair	MAES Advisory Board
16. Joe Scianna		Bridger Plant Materials Center
Ex-officio Becky Mahurin	Dir. Technology Transfer	V.P. for Research, Creativity and Technology Transfer

Horticulture and Native Plants

Susan Winslow (Ron Larson made the motion)

A motion for the pre-varietal release of 9081828 Blanketflower selected class germplasm

G. Jackson – Second the motion.

S. Winslow – This variety has met all the requirements for pre-varietal release. This would be a joint release with Wyoming.

J. Sherwood – How does it perform on road sides?

S. Winslow – It does pretty well; it is an opportunistic type of plant, but not invasive. It spreads well by seed and does well in dry conditions, but not extremely dry.

D. Wichman – How far north does it grow well?

S. Winslow – British Columbia and Alberta

J. Sherwood – Is it a perennial?

S. Winslow – Yes, it is moderately long lived. It has not been tested in Eastern Montana, but is found in all the counties in Montana.

B. Grey – When will the seed become available?

S. Winslow – We have a half acre seeded and will do more in the spring and midsummer.

P. Miller – How were the lines chosen?

S. Winslow – They were chosen for the sheer fact that they were in planting – we wanted as much diversity as possible.

G. Jackson – There are no stats here either.

S. Winslow – Only four years of testing are required for pre-varietal release.

Vote: 12 for, 0 against

Beth Graham (Motion made by Grant Jackson)

A motion for the pre-varietal release of 9081334 silver buffaloberry selected class of natural germplasm

T. Dougher – Second the motion

B. Graham – This is a pre-varietal request also. We had a native seed source – collected in the Anaconda area where soils have low pH and are contaminated by heavy metals. The source of future foundation seed is an orchard at the Bridger Plant Materials Center.

J. Sherwood – Are there different buffaloberry types?

B. Graham – Yes, there are several such as Russet, Canada. It would be a very good variety for revegetation in riparian areas. At this point, the seed would go to nurseries and they would sell bare root stock.

G. Jackson – would this be used on the Clark Fork rehabilitation project?

B. Graham – Yes. It has been used in the Silver Bow restoration and it performed really well. Song birds use it for nesting and it is a good late season food source. Also pheasants and grouse eat it.

B. Grey - When seed is sold to a nursery, may they sell seed from those plants?

J. Scianna – Yes.

Vote: 12 for, 0 against

K. Kephart - Motion to adjourn

P. Bruckner – Second the motion

Vote: 14 for, 0 against

From: Jacobsen, Jeffrey
Sent: Friday, February 19, 2010 4:53 PM
To: Sherwood, John
Cc: Decker, Irene; Duffey, Lisa
Subject: FW: Variety Release Minutes for 2010

John,

I accept and approve the recommendation to release MT0552 HRWW as a protected MAES public cultivar release. Please engage the Wheat and Barley Protection Committee to consider PVP. Thanks in advance.

I accept the recommendation for the pre-variatal release of 9081828 blanketflower selected class germplasm.

I accept the recommendation for the pre-variatal release of 9081334 silver buffalowberry selected class of natural germplasm.

Thanks for your efforts on this and to all participants.

jeff

Jeff Jacobsen

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Director, Montana Agricultural Experiment Station
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To: Variety release committee-

Thank you for your participation in this year's Variety Release committee. Attached is the final version of the minutes. Also, note below that Jeff Jacobsen has accepted all of our recommendations. The Wheat and Barley Protection Committee will be convened in the near future to decide on how to proceed with Phil Bruckner's new winter wheat variety MT0552 (Decade). Thanks again, John

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