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Plant Pathology
Plant Genetics
Plant Biology
Crop Science
Horticulture

DATE: January 14, 2004

TO: Variety Release and Recommendation Committee Members

FROM: John Sherwood, Chairman

Re: 2004– Minutes

Chairman: John Sherwood, Department Head PSPP

Secretary: Bill Grey, Administrator MT Foundation Seedstocks, and Irene Decker, Administrative Assistant, PSPP

Agenda:

1. Approval of 2003 Minutes Variety Release and Recommendation Committee(s)
2. Variety Release and Recommendation Committee Members for 2004
3. Order of presentation and Committee:

Durum Wheat Recommendations - Wheat Committee
Winter Wheat MTS0031 - Wheat Committee
WB Pryor Winter Wheat - Wheat Committee

Eslick Feed Barley - Feed Grain Committee

Nutrasaff Safflower - Specialty Crops Committee
Winter Triticale KT84 - Specialty Crops Committee
Winter Triticale K99SRT 119 - Specialty Crops Committee
Winter Triticale SR94719 - Specialty Crops Committee

Western Snowberry - Horticulture Committee
Spritt Sweetgrass - Horticulture Committee
Upright Prairie Coneflower - Horticulture Committee

**Minutes:
 Variety Release and Recommendation Committee (s)
 Wednesday January 28, 2004, MAES Planning Conference
 275 Student Union Building, Montana State University - Bozeman**

2004 Meeting called to order: 8:00 a.m.

Motion to approve 2003 Minutes

Submitted by Dave Wichman

Second by Ron Larson

Motion passed Unanimous.

Attendees:

Tom	Allen	PSPP
Harold	Armstrong	PSPP
Jim	Berg	PSPP
Jerry	Bergman	EARC
Nancy	Blake	PSPP
Tom	Blake	PSPP
Phil	Bruckner	PSPP
Gregg	Carlson	NARC
Dennis	Cash	ANRS
Dale	Clark	WestBred, LLC
Craig	Cook	WestBred, LLC
Irene	Decker	PSPP
Ray	Ditterline	PSPP
Joyce	Eckhoff	EARC
Charles	Flynn	EARC
Mike	Giroux	PSPP
Bob	Gough	PSPP
Bill	Grey	PSPP
Larry	Hagenbusch	NARC
Patrick	Hensleigh	PSPP
Duane	Johnson	NWARC
Brian	Kaae	MT Wheat & Barley Comm
Ken	Kephart	SARC
Rodney	Kott	ANRS
Greg	Kushnak	WTARC
Sue	Lanning	PSPP
Ron	Larson	MSGA
Becky	Mahurin	Tech. Transfer, MSU
Mark	Majerus	Bridger PMC
Jack	Martin	PSPP
Wendell	Morrill	ENTOM
Denna	Nash	PSPP
Gigi	Opena	SARC
Brent	Roeder	ARNR
Bernard	Schaff	LRES
John	Schutter, Jr.	MSGA
Joe	Scianna	Bridger PMC
John	Sherwood	PSPP
Bob	Stougaard	NWARC
Louise	Strang	NWARC
Luther	Talbert	PSPP
Dave	Wichman	CARC

John Sherwood, Chairman, noted that the members of a committee can change on an annual basis and that further discussions regarding this will take place at the end of the meeting.

Wheat Variety Release Committee, 15 voting members			
MEMBER	Affiliation	Position	Appointing administrator
Luther Talbert	PSPP	Breeder	PSPP Head
Phil Bruckner	PSPP	Breeder	PSPP Head
Mike Giroux	PSPP	Cereal Quality	PSPP Head
Jack Riesselman, Absent	PSPP	Plant Pathology	PSPP Head
Dennis Cash	Extension	Specialist	PSPP Head
Bill Grey	MFSS	Manager	PSPP Head
Ron Larson	MSGa	Manager	PSPP Head
Wendell Morrill	Entomology	Entomology	Entomology Head
Brian Kaae	MTWht & Barley Co		MWBC
Gregg Carlson	MAES Res Ctr	NARC	Superintendent
Dave Wichman	MAES Res Ctr	CARC	Superintendent
Greg Kushnak	MAES Res Ctr	WTARC	Superintendent
Bob Stougaard	MAES Res Ctr	NWARC	Superintendent
Joyce Eckhoff	MAES Res Ctr	EARC	Superintendent
Ken Kephart	MAES Res Ctr	SARC	Superintendent

Non-voting Member Becky Mahurin, Director Technology Transfer Office, MSU

Motion to remove the durum wheat varieties, Medora, Renville, Ward and WestBred Laker, from the recommended list, effective February, 2004.

Motion made by Luther Talbert and Susan Lanning

Second by Dave Wichman

Discussion: Description by Susan Lanning.

Motion Passed, 14 For, 0 Against

Motion made to recommend Ben durum wheat be grown on dryland in districts 2 and 4 and on both dryland and irrigated in district 6, effective 2004.

Motion made by Luther Talbert and Susan Lanning

Second by Greg Kushnak

Discussion: Description by Susan Lanning.

Brian Kaae and Luther Talbert stated this is a high quality durum and has high test weight.....

Motion passed: 14 For, 0 Against

Motion to recommend Mountrail durum wheat be grown on dryland in districts 2 and 4 and on both dryland and irrigated in districts 5 and 6, effective 2004.

Motion by Luther Talbert and Susan Lanning

Second by Greg Kushnak

Discussion: Description by Susan Lanning.

Luther stated this is the highest yielding wheat, specifically at Sidney on dryland and irrigated nurseries and at Moccasin. Brian Kaae suggested recommending it for dryland and wait with irrigated recommendation as the late irrigation may affect quality. Ron Larson said it is now in District 5 and 6 which is all dryland. Jerry Bergman and Joyce Eckhoff noted that under special management of the irrigation that this durum can be grown without quality issues.

Motion passed: 13 For, 1 Against

John Sherwood noted there is some question about growing it in irrigated areas. Jerry Bergman stated this is a concern for all durums.

Motion made to recommend Maier durum wheat be grown on dryland in districts 2 and 4 and on both dryland and irrigated in districts 5 and 6, effective 2004.

Submitted by Luther Talbert and Susan Lanning

Second by Greg Kushnak

Discussion: Description by Susan Lanning.

Maier has yielded ~4 bushels greater than Vic across Montana and similar to high yielding Mountrail. Like Ben, Maier also has high test weight and exhibits excellent durum quality traits from nurseries in Montana and North Dakota. Joyce Eckhoff noted the high quality and good milling characteristics.

Motion passed: 14 For, 0 Against.

Motion to recommend AC Avonlea durum wheat be grown on dryland in districts 2, 3 and 4 and on both dryland and irrigated in districts 5 and 6, effective 2004.

Submitted by Luther Talbert and Susan Lanning

Second by Dave Wichman

Discussion: Description by Susan Lanning.

High quality durum as with the other durums recommended. The large number of durums provide a good choice to the growers. Ken Kephart asked for an amendment to the motion to exclude AC Avonlea on dryland in District 3.

Motion to recommend AC Avonlea durum wheat be grown on dryland in districts 2 and 4 and on both dryland and irrigated in districts 5 and 6, effective 2004.

Amended Motion Submitted by Luther Talbert:

Second by Bill Grey

Motion passed: 14 For, 0 Against

John Sherwood, Chairman, thanked Luther Talbert and Susan Lanning for their motions to remove those varieties that have been replaced by the newer, superior varieties.

Motion that MTS0031 solid-stemmed, hard red winter wheat (HRWW) be approved for release in 2004.

Submitted by Phil Bruckner and Jim Berg

Second by Greg Kushnak

Discussion: Description by Phil Bruckner.

MTS0031 has the same quality as Rampart but lower protein than Vanguard. Solid stem ratings are lower and more variable than Rampart. Stem cutting by the sawfly was 8% at a severe sawfly infestation which is an above adequate level of tolerance. Approximately the same yield potential and cold tolerance as Rampart but yields 4.0 bushels/acre more than Rampart over 40 locations/years. Stem rust resistance not as good as Rampart – moderately resistant.

Motion passed: 14 For, 0 Against

Motion that MTS0031 be named 'Genou' or French for the word 'knee'.

Submitted by Phil Bruckner

Second by Greg Kushnak

Discussion:

Genou was offered for a name by the residents of the area called the "Knees" in Montana. There was discussion about the difficulty of saying the word.

Motion passed: 14 For, 0 Against

Motion to remove Blizzard, Elkhorn, Erhardt, Judith, Manning, and McGuire from the Montana winter wheat recommended variety list due to: 1) lack of production over the last five years (Montana Agr. Stats), 2) no foundation seed availability, and 3) no seed in the certification program.

Submitted by Phil Bruckner and Jim Berg

Second by Greg Kushnak

Discussion:

Bill Grey noted that if people are interested in purchasing any of the above, they can be raised under contract for a specific individual; these varieties are just not part of the inventory maintained by MFSS.

Motion passed: 14 For, 0 Against

Motion that WestBred 'Pryor' be recommended as a hard red winter wheat for District 4 and other non-sawfly areas of Montana.

Submitted by Phil Bruckner.

Second by Greg Kusknak

Discussion: Prepared and Described by Craig Cook, WestBred, LLC.

Craig Cook stated that in 4 years of trials, Pryor outperformed Neeley. Test weight and winter survival rate are the same as Neeley. Milling and baking is similar to Neeley and it is of acceptable quality by Con Agra and Pendleton Flour Mills. Bob Stougaard said that Pryor has been a really good yielder for last 10 years and has been better than Neeley in the NWARC tests. Bob Stougaard asked for a comparison to Promontory, a popular variety. Bill Grey noted this variety was significantly shorter than Neeley and may not lodge in a higher production environment.

Motion passed: 14 For, 0 Against

Feed Grain Variety Release Committee, 15 voting members			
MEMBER	Affiliation	Position	Appointing administrator
Tom Blake	PSPP	Breeder	PSPP Head
Jack Martin	PSPP	Geneticist	PSPP Head
Mike Giroux	PSPP	Cereal Quality	PSPP Head
Jack Riesselman, Absent	PSPP	Plant Pathology	PSPP Head
Dennis Cash	Extension	Specialist	PSPP Head
Bill Grey	MFSS	Manager	PSPP Head
Ron Larson	MSGA	Manager	PSPP Head
Wendell Morrill	Entomology	Entomology	Entomology Head
Brian Kaae	MTWht & Barley Co		MWBC
Gregg Carlson	MAES Res Ctr	NARC	Superintendent
Dave Wichman	MAES Res Ctr	CARC	Superintendent
Greg Kushnak	MAES Res Ctr	WTARC	Superintendent
Bob Stougaard	MAES Res Ctr	NWARC	Superintendent
Joyce Eckhoff	MAES Res Ctr	EARC	Superintendent
Ken Kephart	MAES Res Ctr	SARC	Superintendent

Vote on Malt Barley Variety American Malting Barley Association

Non-Voting Member Becky Mahurin, Director Technology Transfer Office, MSU

Motion that “Eslick” MT960228 be recommended as a feed barley in districts 1-6 under dryland and irrigated conditions effective February 2004.

Submitted by Tom Blake and Pat Hensleigh

Second by Greg Kushnak

Discussion: Description by Tom Blake.

Eslick is a companion variety to Haxby that will perform well in the irrigated locations, whereas, Haxby is better adapted to dryland and has a higher test weight. Eslick has a higher test weight and similar yield to Baronness. This is a superior variety to Gallatin. No systematic testing has been done for disease resistance.

Motion passed: 14 For, 0 Against

Speciality Crop Variety Release Committee, 15 voting members			
MEMBER	Affiliation	Position	Appointing administrator
Ray Ditterline	PSPP	Breeder	PSPP Head
Norm Weeden Absent	PSPP	Geneticist	PSPP Head
Jack Riesselman Absent	PSPP	Plant Pathology	PSPP Head
Perry Miller Absent	LRES	Cropping Systems	PSPP Head
Dennis Cash	Extension	Forage Specialist	PSPP Head
Bill Grey	MFSS	Manager	PSPP Head
Ron Larson	MSGA	Manager	PSPP Head
Greg Johnson Absent	Entomology	Entomology	Entomology Head
Nancy Callan Absent	MAES Res Ctr	WARC, Speciality	Superintendent
Gregg Carlson	MAES Res Ctr	NARC	Superintendent
Dave Wichman	MAES Res Ctr	CARC	Superintendent
Greg Kushnak	MAES Res Ctr	WTARC	Superintendent
Duane Johnson	MAES Res Ctr	NWARC	Superintendent
Jerry Bergman	MAES Res Ctr	EARC	Superintendent
Ken Kephart	MAES Res Ctr	SARC	Superintendent

Non-Voting Member Becky Mahurin, Director Technology Transfer Office, MSU

Motion to release '91B3842' safflower variety under Plant Variety Protection with the Title V Provision by the Montana Agricultural Experiment Station.

Submitted by Jerry Bergman

Second by Ray Ditterline

Discussion: Description by Jerry Bergman.

Jerry Bergman presented published results in reviewed journals on the performance of this variety. Rodney Kott stated that this line of safflower had a high antioxidant quality. Lamb tests concluded that the fatty acid profile of lambs was changed following feeding trails with this variety. The change in fatty acid profile contributes to an increase in fat of a new born lamb. Beef cattle were found to be more cold tolerant and more disease tolerant. The yield of this variety is similar to Centennial and Marveland but lower than Finn Safflower. The yields of Finn safflower are higher in part due to the heavier hull. Greg Kushnak noted the potential of combine explosions during harvest of a safflower variety with the thin hull on the kernel. elding of that seed type (must keep in mind that hull has been removed). Ken Kephart stated that the thin hull causes special considerations for harvesting and that a rotary harvested works fine. Some discussion took place on the issue of an exclusive or nonexclusive release of this variety in contrast to a public release. No decision was made during this meeting.

Motion passed: 10 For, 0 Against.

Motion to name 91B3842 safflower as NutraSaff.

Submitted by Jerry Bergman.

Second by Duane Johnson

Discussion:

Motion passed: 10 For, 0 Against

Motion for addition of 'NutraSaff' to the Montana Dryland and Irrigated Safflower 2004 Recommended List as a specialty linoleic, high oil, high protein variety as a whole seed nutritional feed supplement for beef cattle, dairy cattle, sheep, poultry, fish and for other supplementary feedstuff uses.

Submitted by Jerry Bergman

Second by Ray Ditterline

Discussion:

Ken Kephart stated that if this is exclusive, it should not be on the recommended list. Ray Ditterline replied that a variety is first put up for recommendation to the Dean/Director. The issue of exclusive or nonexclusive is made by the exclusive release committee appointed by the PSPP Department Head.

Motion passed: 10 For, 0 Against

Triticales

Dave Wichman stated that research on Triticale was started 130 years ago. Seed size has increased over that time and now it is a good forage product. There are a host of flavors now which offers opportunities for specialty markets. This one is a top yielder

Motion made that winter triticale line 91T113-C12-5 (ID code KT 84 and TR01) be released by the Montana Agricultural Experiment Station for grain production without PVP status. It is recommended that this variety be grown in environments with moderate winters, as its hardiness is similar or less than Rampart winter wheat.

Submitted by Dave Wichman

Second by

Discussion: Description by Dave Wichman.

This triticale has excellent uniformity, good grain forage potential, marginal winter hardiness and much more disease resistant than other varieties. Ken Kephart asked about winter hardiness compared to SR94719 and Dave Wichman replied that it is not as winter hardy as that variety.

Motion passed: 10 For, 0 Against

Motion that winter triticale line K99SRT119 be released by the Montana Agricultural Experiment Station for grain production. It is recommended that this variety be grown in environments with moderate winters, as its hardiness has not been evaluated at Sidney or Williston.

Submitted by Dave Wichman

Second by Ray Ditterline

Discussion: Description by Dave Wichman.

This is a white kernel variety, not very large in kernel size. It has a uniform appearance in the field and does not have a tendency to volunteer. Dave Wichman stated that he has a letter verifying that even though these lines are raised by Dr. Matt Kolding, we can take ownership of them anytime. Ron Larson asked how far it was from Foundation Seed and Dave Wichman replied that it was at least one year and that there would be about 100 bushels available which would be more than enough to meet the demand. Bill Grey brought up the issue of possibly losing the white color when crossed with red. Dave Wichman reiterated that the red may possibly show up. Bill Grey wanted to know if it should be exclusive to maintain the white color. Dave Wichman said they are just trying to get it out there to develop a market for triticale. Phil Bruckner stated that PVP should be associated with exclusive. Dave Wichman made a motion to amend the previous motion by stating that PVP status will not be applied for.

Motion that winter triticale line K99SRT119 be released by the Montana Agricultural Experiment Station for grain production without PVP status. It is recommended that this variety be grown in environments with moderate winters, as its hardiness has not been evaluated at Sidney or Williston.

Amended Motion Submitted by Dave Wichman.

Second by Ken Kephart.

Discussion:

Motion passed: 10 For, 0 Against

Motion that SR94716 be released by the Montana Agricultural Experiment Station for grain production. It is recommended that this variety be grown in environments with moderate winters as it has not had extensive winter hardiness evaluations.

Submitted by Dave Wichman

Second by Duane Johnson

Discussion: Description by Dave Wichman.

This variety is not the highest yielding. Name they are thinking of is **Koldtana**. It is one inch taller than Tiber. Forage quality data is available.

Motion passed: 10 For , 0 Against

Dennis Cash stated that the PVP still in first one that was voted on. Dave Wichman replied that he is not seeking PVP for any of the varieties. Ken Kephart said that it would be priced differently in forage markets than in specialty items in food market. Dennis Cash stated that all three should be the same. Could be potentially exclusive.

Motion made to withdraw first vote.

Submitted by Dave Wichman

Second by Jerry Bergman

Motion passed: 10 For, 0 Against

Motion that SR94716 be released by the Montana Agricultural Experiment Station for grain production without PVP status. It is recommended that this variety be grown in environments with moderate winters as it has not had extensive winter hardiness evaluations.

Amended motion Submitted by Dave Wichman

Second by Ron Larson

Discussion:

Motion passed 10 For, 0 Against

Horticulture Variety Release Committee, 15 voting members			
MEMBER	Affiliation	Position	Appointing administrator
Tracy Dougher	PSPP	Horticulture	PSPP Head
Norm Weeden Absent	PSPP	Geneticist	PSPP Head
Jack Riesselman Absent	PSPP	Plant Pathology	PSPP Head
Joe Scianna	Bridger PMC	Horticulture	<i>PSPP Head??</i>
Robert Gough	Extension	Horticulture	PSPP Head
Bill Grey	MFSS	Manager	PSPP Head
Ron Larson	MSGA	Manager	PSPP Head
Greg Johnson Absent	Entomology	Entomology	Entomology Head
Nancy Callan Absent	MAES Res Ctr	WARC	Superintendent
Gregg Carlson	MAES Res Ctr	NARC	Superintendent
Dave Wichman	MAES Res Ctr	CARC	Superintendent
Greg Kushnak	MAES Res Ctr	WTARC	Superintendent
Duane Johnson	MAES Res Ctr	NWARC	Superintendent
Jerry Bergman	MAES Res Ctr	EARC	Superintendent
Ken Kephart	MAES Res Ctr	SARC	Superintendent

Non-Voting Member Becky Mahurin, Director Technology Transfer Office, MSU

Motion for recommendation for the release of <NAME> Western Snowberry, selected class of germplasm.

Submitted by Joe Scianna

Second by Greg Kushnak

Discussion: Description by Joe Scianna.

Duane Johnson brought up that the plants are being produced in a Missoula nursery. Joe Scianna confirmed that the Department of Natural Resources, Montana Conservation Seedling Nursery at Missoula, is growing a second nursery. This organization would stop producing them at any point if they were asked to. He also stated that there is a need for shrubs for reclamation and snow fences. With the woody materials it takes time to get into production.

Motion passed: 11 For, 0 Against

Motion for recommendation for the release of Spirit germplasm sweetgrass selected class.

Submitted by Mark Majerus and Susan Winslow.

Second by Greg Kushnak

Discussion: Description by Mark Majerus.

Plants have been given to all Native American tribes in Montana and Wyoming. This variety will not produce seed, has the longest leaves and the strongest vanilla odor. It is for landscaping in addition to the fact that there is quite a large market for braided material. Material will be released as a G0, vegetative propagules. Rooted plants will be shipped without soil but the method of shipping rhizomatous plants has not be determined.

Motion passed: 11 For, 0 Against

Motion for recommendation for the release of 9081988 Upright prairie coneflower selected class.

Submitted by Mark Majerus and Susan Winslow.

Second by Bill Grey

Discussion: Description by Mark Majerus.

This variety has uses for coal mine reclamation and for the highway department. It was chosen because of uniformity and seed maturity. Also, it produces 460 lbs/acre and is easy to harvest. There is a low occurrence of shatter which looks very promising to the seed industry. Also, there are ornamental applications such as in rock gardens. It is relatively short lived 5-6 years, but it is a perennial and can take over an area with the prolific seed production.

Motion passed: 11 For, 0 Against

Motion to Adjourn the meeting

Submitted by Bill Grey

Second by John Sherwood

Motion passed Unanimous

Meeting Adjourned 10:30 am.

Submitted January 31, 2004 Irene Decker and Bill Grey

Addendum, February 2, 2004

Request by Jerry Bergman to the Chairman, John Sherwood, that 'NutraSaff' be considered for exclusive release.

Discussion: