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**Plant Pathology**

Plant Genetics  
Plant Biology  
Crop Science  
Horticulture

DATE: January 26, 2005

TO: Variety Release and Recommendation Committee Members

FROM: John Sherwood, Chairman

Re: 2005 Minutes

Chairman: John Sherwood, Department Head PSPP

Secretary: Bill Grey, Manager, MT Foundation Seed Program, and Irene Decker,  
Administrative Assistant, PSPP

Present: John Sherwood, Mike Giroux, Joe A. Smith, Duane Johnson, Ron Ramsfield,  
John Schutter, Jr., Mark Majerus, Dan Biggerstaff, Greg Kushnak, Ray Ditterline, Ron  
Larson, Gregg Carlson, Pat Hensleigh, Becky Mahurin, Wendell Morrill, Brian Kaae,  
Gigi Opena, Nancy Blake, Perry Miller, Jack Riesselman, Charles Flynn, Dennis Cash,  
Larry Holzworth, Jerry Bergman, Ray Ditterline, Joyce Eckhoff, Susan Lanning, Bob  
Stougaard, David Wichman, Jim Berg, Phil Bruckner, Alan Dyer, Ken Kephart, Bill Grey,  
Peggy Lamb, Tom Blake, Bernard Schaff, Don Becker, Irene Decker

**Agenda:**

1. Approval of 2004 Minutes Variety Release and Recommendation Committee(s)
2. Introduction of New Variety Release Policy
3. Discuss and vote on the motions put forth by the following committees in the order  
given: Wheat, Barley, Forage, Specialty

***Wheat:***

Phil Bruckner – MTCL0306, MTCL0316, MTCL0318

Phil Bruckner – MT00159

Phil Bruckner - MT0097

Luther Talbert/Susan Lanning – Spring Wheat/Durum Recommendations

Joe Smith – Norpro

Joe Smith – Knudson

Dan Biggerstaff – Alzada

***Barley and Oat:***

Dan Biggerstaff – Boulder

Dan Biggerstaff – Stockford

Tom Blake – Spring Barley Recommendations  
Tom Blake – Oat Recommendations

**Forage:**

Ray Ditterline – MT9321 Alfalfa  
Dennis Cash – Awnletted Winter Wheat – MT25FWW & MT26FWW

**Specialty:**

Dave Wichman – Spelt – SK3P

John started the meeting by stating the changes in the new policy. For the complete policy, please go to this website:

<http://plantsciences.montana.edu/FoundationSeed/policies.pdf>

Because of these new avenues for release, the MAES Director has requested that we include both the recommendations of the breeder and the committee as to how the variety should be released.

**1. Wheat Crop Motions**

Wheat Committee Present: Phil Bruckner/Ray Ditterline, Mike Giroux, Alan Dyer, Bill Grey, Ron Larson, Perry Miller, Wendell Morrill, Greg Carlson, Dave Wichman, Greg Kushnak, Bob Stougaard, Joyce Eckhoff, Ken Kephart, Brian Kaae, Becky Mahurin.  
Absent: David Broberg and Fabian Menalled.

**Motion by Phil Bruckner that MTCL0306 imidazolinone-tolerant hard white winter wheat (HWWW) be approved for release in 2005.**

**Second – Dave Wichman**

Phil stated that the timing for this is not ideal for this line as they need to generate another crop tolerance data point. John S. asked about herbicide resistance and Phil B. stated that it needs to be sent to the BASF testing lab and following the BASF information the variety will be available this next growing season. Dan B. asked about red contamination. This has 17 reds per 100g seed. This is a higher level of contamination than they would like. Phil said it does not meet their own high standard, but it could still be released.

Vote: 13 for, 1 against

**Motion by Phil Bruckner that MTCL0316 imidazolinone-tolerant hard red winter wheat (HRWW) be approved for release in 2005.**

**Second – Bill Grey**

This line is the best in terms of agronomic performance of the 3 lines. The quality is not as good as the other two lines being considered. It has a very good test weight. Bill G. asked about stripe rust information and Phil B. stated there is none at this point, but there will be after this growing season.

Vote: 14 for, 0 against

**Motion by Phil Bruckner that MTCL0318 imidazolinone-tolerant, solid-stemmed hard red winter wheat (HRWW) be approved for release in 2005.**

**Second – Brian Kaae**

The yield potential of MTCL0318 is similar to MT1159CL and has excellent baking qualities.

Vote: 14 for, 0 against

Clarification: All of the above are being recommended for Licensed release.

**Motion by Phil Bruckner that MT00159 hard red winter wheat (HRWW) be approved for release in 2005.**

**Second: Bob Stougaard**

This will be a joint release with NDSU. This is the highest yielding line at all research center sites (4 location years). Phil handed out revised tables. This line has done well even under cold stress conditions (Williston, Sidney). The mixing time is longer than most domestic users will be interested in. Stripe rust resistance showed up at several sites. Joyce E. asked if NDSU will be involved in the release. Phil B. stated that Bill G. has made contact, but nothing formal has been done. This line is better than Paul as far as yield, test weight and winter hardiness. Ken K. stated that this is an amazing variety. John S. stated that joint public protected release of this line with NDSU could be a good thing.

Vote: 14 for, 0 against

**Motion by Phil Bruckner that MT0097 hard red winter wheat (HRWW) be approved for release in 2005.**

**Second: Dave Wichman**

This is the second best line they have, MT0159 is better as far as yield. This one does have some stem rust resistance and excellent baking quality. John S. asked about public release if not licensed. Bill G. asked if it is not licensed, who makes decision to abandon this variety? Does it go back to the committee next year? Phil stated that it would be dead if not licensed. Bill made a motion that it go back to the Variety Release Committee the second year. Phil stated there would be no point to that as there would be no seed. John S. reiterated that the committee is only for recommending and the Director makes the decision.

**Motion by Bill G. that this not be licensed, that it should be brought back as a public release**

Bob S. stated that Phil was not interested so why do this; Bill G. pointed out there is seed in production and it may very well be harvested before a license is obtained. Becky M. stated that a license agreement may be anticipated by April or May. Phil B. stated the Director could make the decision; John S. stated that committee could recommend that to the Director; Joyce stated that in her part of the state, MT0097 would be better than MT0159, particularly for stem rust and disease resistance.

**Motion by Bill Grey that MT0097 be considered for licensed release, and if no agreement is obtained, that it be brought back in 2006 as a public release.**

**Second: Joyce Eckhoff**

Vote: 14 for, 0 against

**Motion by Susan Lanning to remove Amidon, Lew, Hi-Line and Fergus from the Montana hard red spring wheat recommendation list, effective February 2005.**

**Second: Brian Kaae**

Vote: 14 for, 0 against

**Motion by Susan Lanning to recommend Outlook hard red spring wheat for districts 1-6 on both dryland and irrigated sites in Montana, effective February 2005.**

**Second: Bill Grey**

This line was released, but not recommended – this motion is to recommend. It is much the same in yield as Hank and Reeder. It has very good wheat aphid resistance.

Vote: 14 for, 0 against

**Motion by Susan Lanning to recommend Choteau hard red spring wheat for districts 2, 3, 5 and 6 on dryland and irrigated sites where the wheat stem sawfly is a problem in Montana, effective February 2005.**

**Second: Greg Kushnak**

Choteau averaged 20 (scale of 5-25) on sawfly resistance scale and it has good milling and baking qualities. Wendell M. stated how sawfly problems are worse in drought conditions and less under irrigation. Bob S. stated it is solid as rebar. Ken K. stated that it should be recommended for more districts.

**Motion by Susan Lanning to recommend Choteau hard red spring wheat for districts 2, 3, 4, 5 and 6 on dryland and irrigated sites and dryland sites where the wheat stem sawfly is a problem in Montana, effective February 2005.**

**Second: Greg Kushnak**

Vote: 14 for, 0 against

**Motion by Susan Lanning that NorPro be recommended for all suitable Montana cropping districts for both dryland and irrigated management - discussion led by Joe Smith.**

Norpro has a very good overall yield although protein levels are a little lower. It is moderately susceptible to stem rust and fusarium headblight. Joe S. handed out new tables. This line and Knudsen are very comparable to each other in terms of yield. One year one may have higher protein and the next year, the other one does. Wendell M. asked if it has Hessian fly resistance and Joe S. stated that he didn't think so. Wendell M. stated that this pest problem is getting more and more important.

John S. pointed out that we have to be more specific than to state "all suitable Montana districts. This led to a discussion concerning which districts Norpro would be suitable for.

**Motion by Susan Lanning that NorPro be recommended for irrigated production in Districts 3, 4 and 5 and both irrigated and dryland production in Districts 1, 2 and 6, effective February 2005.**

**Second: Phil Bruckner**

Vote: 14 for, 0 against

**Motion by Susan Lanning that Knudson be recommended for all suitable Montana cropping districts for both dryland and irrigated management - discussion led by Joe Smith**

**Second: Dave Wichman**

Joe S. pointed out that this line does have qualities that Norpro does not. It does well in eastern areas. Jack R. asked about resistance to fusarium headblight. Joe S. stated that it is not as good as Alsen which is the benchmark for scab resistance. Knudson is moderately tolerant of scab, better than Norpro and other spring wheats such that this variety may have a fit for areas impacted by Fusarium scab. Dan B. stated that if there is no reason to not recommend, it can not hurt to recommend it and let the marketplace make the decision. John S. reiterated that when we recommend, that line has MSU's stamp of approval.

**Motion by Susan Lanning that Knudson be recommended for both dryland and irrigated production in districts 1 and 6 and for dryland production in district 4, effective February 2005.**

**Second: Bill Grey**

Vote: 14 for, 0 against

**Motion by Susan Lanning that Alzada be recommended as spring durum wheat for irrigated and dryland production in districts 2, 3, 4, 5, and 6 of Montana – discussion led by Dan Biggerstaff.**

Dan B. stated that the name Alzada means “crest of a wave”. The scores by NDSU are weighted so they might not be as good as they appear, but it is a high quality durum. Joyce E. stated that it has not done well in her area – district 6 – on irrigated or dryland and requests that Alzada not be recommended for district 6.

**Motion by Susan Lanning that Alzada be recommended as spring durum wheat for irrigated and dryland production in districts 2, 4 and 5, effective February 2005.**

**Second: Ken Kushnak**

Vote: 14 for, 0 against

## **2. Barley Crop Motions**

Barley Committee Present: Tom Blake/ Phil Bruckner, Mike Giroux, Alan Dyer, Bill Grey, Ron Larson, Perry Miller, Wendell Morrill, Greg Carlson, Dave Wichman, Greg Kushnak, Bob Stougaard, Joyce Eckhoff, Ken Kephart, Brian Kaae, Becky Mahurin.  
Absent: Fabian Menalled, Dave Broberg.

**Motion by Tom Blake to:**

**remove ‘Bowman’ from the Feed Barley Recommended list effective 2005.**

**remove ‘Stark’ from the Feed Barley Recommended list effective 2005.**

**remove ‘Gallatin’ from the Feed Barley Recommended list effective 2006.**

**remove 'Horsford' from the Hay Barley Recommended list effective 2005.**

**Second: Dave Wichman**

Vote: 14 for, 0 against

There was discussion about whether oats should be considered by the Barley Committee or the Forage Committee and it was decided oats should be considered by the Barley Committee and that this committee should be called the Barley and Oat Committee.

**Motion by Tom Blake to remove 'Border' and 'Rio Grande' from the Oat Recommended list.**

**Second: Dave Wichman**

Vote: 14 for, 0 against

**Motion by Tom Blake to add 'Monico' to the Oat Recommended list for dryland and irrigated production in districts 1-6 effective 2005.**

**Second: Dave Wichman**

Vote: 14 for, 0 against

**Motion by Tom Blake that Boulder be recommended as a 2-rowed, spring feed barley for all irrigated and dryland districts of Montana.**

**Second: Joyce Eckhoff**

Vote: 14 for, 0 against

**Motion by Tom Blake that Stockford be recommended as a two-rowed, hooded, spring hay barley for all irrigated and dryland districts of Montana.**

**Second: Ron Larson**

Tom B. stated that this is a good yielder and the nitrate levels have been reduced relative to Westford. Dennis Cash confirmed the lower nitrates of Stockford relative to Westford.

Vote: 14 for, 0 against

### **3. Forage Crop Motions**

Forage Committee Present: Ray Ditterline/Phil Bruckner, Dennis Cash, Alan Dyer, Bill Grey, Ron Larson, Perry Miller, Wendell Morrill, Greg Carlson, Dave Wichman, Greg Kushnak, Duane Johnson, Joyce Eckhoff, Ken Kephart, Mark Majerus, Becky Mahurin. Absent: Fabian Menalled, Dave Broberg.

**Motion by Ray Ditterline that MT9321 be approved for release as a public variety by MAES.**

**Second: Phil Bruckner**

Ray Ditterline requested a fee of 3 cents/lb is collected by the MSGA for establishment of a Bob Eslick Scholarship to be awarded to students in the college of Ag. Bill Grey clarified that the Montana Foundation Seed Program is not involved with collection of a fee. Ray Ditterline concurred with this statement. Ron L. stated that at this time, the fee is a voluntary collection system. John S. stated that doing this on a volunteer basis is a

good idea. John S. stated that alfalfa is outside the scope of the new policy on research fee as with the wheat and barley varieties. The Director can agree or not as far as it being PVP. When asked by Phil B. how the resistance profile looked, he stated that it was about the same as the other varieties.

Vote: 14 for, 0 against

**Motion by Ray Ditterline that MT9321 be named ‘Melton’ and that it be recommended for dryland and irrigated conditions statewide.**

**Second: Dave Wichman**

Vote: 14 for, 0 against

**Motion by Dennis Cash that MT-25FWW and MT-26FWW each be released as a forage crop by the Montana Agricultural Experiment Station in 2005.**

Dennis C. stated this could be a forage or specialty crop, but he has data for forage. Also that the purpose was to release these and then solicit for interest. MT-25FWW – no seed available; there is a Breeder increase of MT-26FWW that could possibly generate 60 bushels in 2005. Ron L. stated it would be a good complement for spring annual forage. In addition, a grower has bagged MT26FWW and intended to use this seed for his purposes. Therefore, MT26FWW would be a better public release. Brian K. stated his concern that if the seed is taken to the elevator, it will mess up the parameters for wheat. Dave W. thought there would not be enough volume to worry about this. Bill G. stated that this would be an opportunity to release one and get quality data on the other and then make a more appropriate recommendation.

**Motion by Dennis Cash that both be released as forage crops.**

**Second: Greg Kushnak**

Vote: 14 for, 0 against

**Motion by Dennis Cash that the decisions for the method for release (“public”, “protected public” or “licensed”) of these lines be deferred until adequate notification and discussions have occurred. It is proposed that one be released as a public, and the other as a licensed variety.**

**Motion by Dennis Cash that MT-26FWW be considered for license.**

**Second: Duane Johnson**

Ken K. stated that there is already seed out in the hands of growers so that a licensed release would not be attractive to a licensee. Bill G. asked if there was a signed agreement for the use of this seed by the grower. Dennis C. said there is just a verbal agreement that they would be allowed to use the seed for their own purposes.

**Motion by Duane Johnson to amend motion to make MT-26FWW an unprotected public release**

**Second: Ken Kephart**

Vote: 14 for, 0 against

**Motion by Dennis Cash to release MT-25FWW as a licensed release.**

**Second: Duane Johnson**

Vote: 14 for, 0 against

#### **4. Specialty Crop Motions**

Specialty Crop Committee Present: Phil Bruckner, Ray Ditterline, Alan Dyer, Bill Grey, Ron Larson, Perry Miller, Wendell Morrill, Greg Carlson, Dave Wichman, Greg Kushnak, Duane Johnson, Jerry Bergman, Ken Kephart.

Absent: Dave Broberg, Nancy Callan and Fabian Menalled.

#### **Motion by Dave Wichman to release the spring spelt line SK3P as a public release.**

This line is not outstanding for forage, but respectable when compared to the current hay barleys. It is highly palatable and was preferred over barley or wheat for feed. It has lower nitrate rates. Duane J. asked about disease and Dave W. said it has very few but the crops that come after it may have some disease issues as the plants appear to be less thrifty. Whether this symptom is as a result of disease or nutrition is not known.

Vote: 13 for, 0 against

#### **Motion by Duane Johnson to adjourn.**

**Second: Ron Larson**