

Steering Committee Meeting
National Wheat and Barley Scab Initiative

September 23, 1998

9:00 am - 5:00 pm

Chicago, Illinois

Meeting Notes compiled by [R. Ward](#)

At a previous meeting (March 3, 1998) the Steering Committee (SC) had discussed the structure and of the steering committee and the possibility of a technical advisory committee. The steering committee structure was reaffirmed at today's meeting. Further discussion led us to agree that we need a smaller body which could make informed decisions in a more timely manner. Mike Davis recommended and the SC agreed to move ahead with creating an Executive Committee (EC).

One of the primary roles of the EC will be to facilitate generation of an integrated, comprehensive, and affordable research agenda within the context of the available federal funds. Final authority to give approval for the research agenda rests with the entire SC.

The EC will be comprised of 8 members, and will include the co-chairs of the National Wheat and Barley Scab Initiative (NWBSI), and two representatives each for barley, spring wheat, and winter wheat. The SC co-chairs will also chair the EC. After the structure was determined, the SC approved the following EC:

Co-Chairs:

Rick Ward, Michigan State University

Tom Anderson, Minnesota Wheat Growers

Barley

Rich Horsley, North Dakota State University

Mike Davis, American Malting Barley Association

Spring Wheat

Bob Busch, USDA-ARS, University of Minnesota

Roger Jones, University of Minnesota

Winter Wheat

Rick Siemer, Siemer Milling

Greg Shaner, Purdue University

PROGRAM AREAS AND STEERING COMMITTEE STRUCTURE

Program areas were reviewed and defined. Program committees were identified for each area, with each area having one contact person. The program areas and committees (with contacts*) are as follows:

Variety Development (includes uniform testing nurseries and quality evaluation)

Jackie Rudd*, South Dakota State University- Spring Wheat

Rich Horsley, North Dakota State University- Barley

Herb Ohm, Purdue University- Winter Wheat

Germplasm Introduction

Anne McKendry*, University of Missouri- Winter Wheat

Yue Jin, South Dakota State University- Spring Wheat

Don Rasmusson, University of Minnesota- Barley

Elias Elias, North Dakota State University- Durum

Chemical & Biological Control

Marcia McMullen*, North Dakota State University

Gary Bergstrom, Cornell University

Epidemiology/Disease Management

Pat Lipps*, Ohio State University

Ruth Dill-Macky, University of Minnesota

Food Safety/Toxicology/Utilization

Pat Hart*, Michigan State University

Paul Schwarz, North Dakota State University

Biotechnology

Olin Anderson*, USDA-ARS, Albany, CA

Lynn Dahleen, USDA-ARS, Fargo, ND

S. Kiarian, North Dakota State University

Jim Anderson, USDA-ARS, Washington State University

It was agreed that Steve Leath, Plant Pathology from North Carolina State and additional grower representatives from Virginia and North Carolina will be added to the SC to increase representation from the Southern states.

OVERALL PROCESS FOR DEVELOPING RESEARCH PLANS AND BUDGETS:

The program committees, under the leadership of their contact persons, will develop research plans and associated budgets. Program committees may decide to ask for directed funding and also to set up competitive grant processes to address some research needs. The program group contacts will report plans and budgets to the Executive Committee no later than October 9. The Executive Committee will meet on Saturday, October 24 in East Lansing, MI to review the program requests and to develop a recommended FY99 budget. The recommended budget will be presented to the full SC on Sunday, October 25 for review, modifications, and approval. The SC approved budget will be presented to all wheat and barley scab research workers at the subsequent National Scab Forum, which is being held in Michigan, October 26 & 27.

MAJOR EVENTS SINCE PREVIOUS MEETING (see [news](#) in this web)

\$500,000 of permanent ARS funding added in 1998 - see attached document

\$200,000 - see attached.

Mike Davis reported that both the house and senate will have \$3 million in funding in addition to the \$500,000 permanent ARS funding. This funding is 99% certain. Since the meeting the conference committee has adopted language that retains the \$3M increase.

More states have become active participants in the initiative including North Carolina, Virginia, Georgia, Arkansas, and Louisiana.

REPORTS OF '98 ACTIVITY BY PROGRAM AREA

A. Germplasm

- i. Anne Mckendry
 1. Research on isolate/resistance interaction
 2. Screening systems in place and working
 3. Has screened taushii
 4. Jiles Wane?? Has some tauschii
- ii. Paul Murphy
 1. Screening wide array of germplasm
- iii. Yue Jin
 1. Screened a wide array material, including wheat/aegilops hybrids?
 - a. World collection
 - i. Several better than Sumai 3
 2. International nursery
 - a. Pilot program
 - i. 3 in japan, 2 in china
- iv. Elias Elias
 1. Several hundred durum accessions from aberdeen- screened in summer, all failed
 2. Sending 4-500 accessions to china next week
 3. Canadian source of land races
 4. Diccoides, some resistance
- v. Discussion:
 1. Bob Busch has screened tauschii and hexaploid
 2. Jackie R mentioned germplasm

B. Fungicide

- i. See report attached
- ii. Future:
 1. App techniques
 2. Bacterial antagonist
 3. Uniform trials
 4. Total =\$303,000

C. Epidemiology

- i. \$48, see handout for 1998
- ii. also see handout for 1999 budget

D. Food safety, toxicology, and utilization

- i. MSU tested 1,000 samples
 1. 200 from VA, 50 IN
 2. rest from MI
- ii. Sampling studies

E. Transformation

- i. Initial aims:

1. Gene development
 2. Transformation
 3. Promoters
- ii. Mainly working on transformation
1. 8 labs working on 20 genes
 2. ???- how and when distribute transgenics
 3. ??? how to evaluate???
- iii. 3 labs funded with '98 end of year 200k
1. NE, MN, ARS Fargo
- iv. ARS/millers at Albany
- v. Markers:
1. international EST program, info to be pooled
 2. microsats- no organized program in US, there are in Europe, could use organization in US
 3. how gain access to ideas for useful genes