

PROJECT NO: BJKV87

TITLE: Support Scientist Funding - Education for Idaho Wheat Production: Extension Cereal Nurseries

PERSONNEL: Dr. Juliet M. Marshall, Ext. Crop Mgmt. Specialist (SC and E Idaho)
Doug Finkelburg, Extension Support Scientist

ADDRESS: Dr. Juliet Marshall, 1776 Science Center Dr, Ste 205, Idaho Falls, ID, 83402
208-529-8376; jmarshall@uidaho.edu

JUSTIFICATION: Due to the continuing economic constraints on the University of Idaho College of Agriculture and Life Sciences and the departure of the Northern Idaho wheat breeder, the Southeast Cereals Extension Program has assumed oversight responsibility for the wheat variety extension trials grown in northern Idaho. Doug Finkelburg, Extension Support Scientist, with the assistance of the wheat breeding program's staff has primary responsibility for planting, maintaining and harvesting the winter and spring wheat extension trials. Key to maintaining the extension program in 2012 will be securing funding to cover a portion of the support scientist's salary corresponding to the amount of time and effort the support scientist puts into the wheat extension nurseries. This corresponds to approximately 20% of the salary and fringe benefits of the support scientist's position. The data produced by these nurseries supply Idaho wheat producers with the most current information on new wheat cultivars. The testing program is statewide in scope. Since it is not feasible to locate wheat breeder nurseries in all geographical areas of Idaho, the Extension Wheat Nurseries provide performance information critical for the release of varieties for specific areas and management systems. The nurseries also provide increased exposure of the programs of the Idaho Wheat Commission and Idaho Grain Producers Association.

HYPOTHESIS & OBJECTIVES: The variety evaluations cannot be conducted unless there is technical support to conduct the field trials and Extension programming.

1. Obtain technical support funding from commodity commissions for conducting variety trials in N. Idaho.

PROCEDURES: Submit proposals to commodity commissions for funding the portion of the support scientist's position dedicated to conducting variety trials. Proposals will go to the Idaho Wheat Commission, Barley Commissions, and USA Dry Pea and Lentil Council for 20%, 10%, and 20%, respectively of the Support Position salary and fringe benefits. Specific procedures for conducting the variety trial extension programming are presented in the proposal: 'Education for Idaho Wheat Producers: Extension Cereal Nurseries'.

DURATION: One year at a time, at which time the status and future of the extension variety trial program in northern Idaho will be reviewed and reexamined.

COOPERATION: Commissions, County Extension Educators, public and private breeders, and grower cooperators

ANTICIPATED BENEFITS/EXPECTED OUTCOMES/INFORMATION TRANSFER:
This funding will allow the successful extension variety evaluation programs to continue in north Idaho that supports the agriculture industry and is part of the process of releasing and getting new varieties into growers' use.

LITERATURE REVIEW: (none)

COMMODITY COMMISSION BUDGET FORM

BJKV87

Allocated by Idaho Wheat Commission during FY 2011 \$ 10,000

Allocated by Idaho Wheat Commission during FY 2012 \$ 10,270

REQUESTED FY 2013 SUPPORT:

	Salary	Temporary Help	Fringe	Travel	OE	CO	Grad Fees	TOTALS
Idaho Wheat Commission	\$ 6,800	\$ -	\$ 3,470	\$ -	\$ -	\$ -	\$ -	\$ 10,270

OTHER RESOURCES (not considered cost sharing or match):

a) Industry	\$ -
b) UI (salaries, operating)	\$ -
c) Other (local, state)	\$ -
d)	\$ -
e)	\$ -
TOTAL OTHER RESOURCES	\$ -

TOTAL PROJECT ESTIMATE FOR FY 2013:	\$ 10,270 (Requested)	\$ 500 (Other)	\$ 10,770 (Total)
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BREAKDOWN FOR MULTIPLE SUB-BUDGETS:

	(PI name)	(PI name)	(PI name)	(PI name)
Salary	\$ -	\$ -	\$ -	\$ -
Temporary Help	\$ -	\$ -	\$ -	\$ -
Fringe Benefits	\$ -	\$ -	\$ -	\$ -
Travel	\$ -	\$ -	\$ -	\$ -
Operating Expenses	\$ -	\$ -	\$ -	\$ -
Capital Outlay	\$ -	\$ -	\$ -	\$ -
Graduate Student Fees	\$ -	\$ -	\$ -	\$ -
TOTALS	\$ -	\$ -	\$ -	\$ -
Total Sub-budgets				\$ -

CURRENT AND PENDING SUPPORT Form:

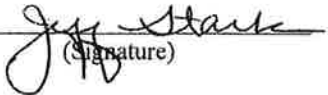
Name: Juliet Marshall

NAME (List PI/PD #1 First)	SUPPORTING AGENCY AND AGENCY NUMBER	TOTAL \$ AMOUNT	EFFECTIVE AND EXPIRATION DATES	% OF TIME COMMITT- ED	TITLE OF PROJECT
	Current:				
Marshall, J.M., Brown, B., and Finkelburg, D.	Idaho Wheat Commission	\$25,909	7/1/11 – 6/30/12	10	Education for Wheat Production / Extension Wheat Nurseries
Marshall, J.M., Brown, B., and Finkelburg, D.	Idaho Barley Commission	\$10,932	7/1/11 – 6/30/12	10	Education for Barley Production / Extension Nurseries
Marshall, J.M. and Patterson, P.	Idaho Wheat Commission	\$9,746	7/1/11 – 6/30/12	10	Production Systems and Wheat Varieties for Dryland Grain
Marshall, J.M.	USDA-ARS SCA	\$30,000	10/1/11 – 9/31/12	25	Management of Wheat and Barley Root Pathogens in Idaho
Marshall, J.M.	Bayer Crop- Sciences, BASF, Syngenta, etc.	\$74,149	11/1/11 – 1/1/12	10	Various Service Contracts for Seed Treatment / Specialty Trials / Product Evaluation
Marshall, J.M.	Idaho State Funding	\$17,847	7/1/11 – 6/30/12	15	Barley Enhancement Program
Marshall, J.M., Chen, J., and Hole, D.	Idaho Wheat Commission	\$14,566	7/1/11 6/30/12	1	Dwarf Bunt Resistance and Nursery
Chen, J., Marshall J.M., Wheeler, J., Zhao, W.	Idaho Wheat Commission	\$19,066	7/1/11 – 6/30/12	2	Marker-Assisted Breeding of Fusarium Head Blight Resistance in Wheat
Marhsall, J.M.	Idaho Wheat Commission	\$1,800	7/1/11 – 6/30/12	2	Winter Food Barley Breeding Cooperative Program
Marshall, J.M.	Hatch Project	\$2,569	10/1/11 – 9/31/12	15	Cereal Root Disease

	Pending:				
Hayes, P., etc. etc., Flowers, M., Guy, S., Marshall, J.M., Wiersma, J.	USDA-AFRI	\$750,000	10/1/11 – 9/30/12	10	Bringing barley to the table: addressing the challenges of climate change and human nutrition
Marhsall, J.M., Brown, B., and Finkelburg, D.	Idaho Wheat Commission	\$25,909	7/1/12 – 6/30/13	10	Education for Wheat Production Extension Wheat Nurseries
Marshall, J.M., Brown, B., and Finkelburg, D.	Idaho Barley Commission	\$10,932	7/1/12 – 6/30/13	10	Education for Barley Production / Extension Nurseries
Marshall, J. M. and Patterson, P.	Idaho Wheat Commission	\$9,746	7/1/12 – 6/30/13	10	Production Systems and Wheat Varieties for Dryland Grain
Marshall, J.M. & Finkelburg, D.	Idaho Wheat Commission	\$10,270	7/1/12 – 6/30/13	1	Support Scientist Funding – Education for Idaho Wheat Production Extension Cereal Nurseries
Marshall, J.M. & Finkelburg, D.	Idaho Barley Commission	\$5,285	7/1/12 – 6/30/13	1	Support Scientist Funding – Education for Idaho Barley Production Extension Cereal Nurseries

INTERNAL PEER REVIEW VERIFICATION

Commodity commissions/organizations require internal peer review by colleagues familiar with the subject matter. This proposal has been peer reviewed by the following individuals:

Reviewer 1: Dr. Jeff Stark  5 Jan 2012
(Type/Print name) (Signature) (Date)

Reviewer 2: Paul Patterson  1/5/12
(Type/Print name) (Signature) (Date)

Dept. Head/ Dr. James Johnson  10 Jan. 2012
Unit Administrator (Type/Print name) (Signature) (Date)

PROGRESS REPORT

PROJECT NO: BJKV87

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ACCOMPLISHMENTS:

Through the support of the Idaho Wheat Commission, the Idaho Barley Commission and the US Dry Pea and Lentil Council funding was secured to support Doug Finkelburg, the Extension Support Scientist associated with the extension program in northern Idaho. With the presence of the support scientist the 2011 research report was produced and the winter and spring wheat extension nurseries associated with the 'Education for Idaho Wheat Producers: Extension Cereal Nurseries' project BJKW35 were planted, maintained and harvested. The support scientist, with area grower support, successfully continued an additional winter wheat extension trial in Tensed, Idaho, providing better coverage of the wheat growing region in northern Idaho by the extension variety testing program. The support scientist participated as a speaker at field days and growers meetings. The 2012 spring wheat nurseries will be assembled and planted by the support scientist as part of the northern Idaho portion of the Education for Idaho Wheat Producers: Extension Cereal Nurseries' project.

PROJECTIONS:

With the continued support of the three commodity commissions the extension wheat, barley and legume nurseries should be able to continue to provide the information needed by producers in the Northwest to make decisions on varieties for barley, wheat, peas, lentils and chickpeas. The data will also be of use to breeders of these crops in making decisions on the release of new cultivars. The support scientist will also facilitate dissemination of the results of the nurseries by participation in cereal schools and field days.

PUBLICATIONS:

Finkelburg, D. and R. Zemetra. 2011. 2010 Small Grain and Grain Legume Report. University of Idaho Research Bulletin 176.