

PROJECT NO: BJKW87

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

PERSONNEL: Dr. Robert S. Zemetra, Wheat Breeding and Genetics
Doug Finkelnberg, Extension Support Scientist

ADDRESS: Dr. Robert S. Zemetra – PSES, University of Idaho, Moscow, Idaho 83844-
2339; Ph. 208-885-7810, Fax 208-885-7760, rzemetra@uidaho.edu

JUSTIFICATION: Due to the continuing economic constraints on the University of Idaho College of Agriculture and Life Sciences, the Wheat Breeding and Genetics program has assumed oversight responsibility for the wheat variety extension trials grown in northern Idaho. Doug Finkelnberg, 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 2011 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 wheat breeder nurseries are not feasibly located 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 Producer 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 which time the status and future of the extension variety trial program in northern Idaho will to be 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)

CURRENT AND PENDING SUPPORT Form:

Name: Robert Zemetra

Instructions:

1. Complete all columns.
2. Record information for all CURRENT/ACTIVE and PENDING projects. Include this project under Pending section. The % of Time Commitment CANNOT equal more than 100%
3. All current research to which principal investigator(s)/project director(s) and other senior personnel have committed a portion of their time must be listed, whether or not salary for the person involved is included in the budgets of the various projects.
4. Provide analogous information for all proposed projects which are being considered by, or which will be submitted in the near future to, other possible sponsors.

NAME (List PI/PD #1 First)	SUPPORTING AGENCY AND AGENCY NUMBER	TOTAL \$ AMOUNT	EFFECTIVE AND EXPIRATION DATES	% OF TIME COMMITT- ED	TITLE OF PROJECT
Zemetra, R.S.	Current/Active: Idaho Wheat Commission	\$99,070	7/1/2010- 6/30/2011	30%	Developing soft white winter wheat for Idaho
Zemetra, R.S.	USDA-ARS, Wheat CAP	\$47,500	10/01/08- 11/31/10	5%	Wheat applied genomics
Windes, J.M., B. Brown, D. Finkelburg, and R.S. Zemetra	Idaho Wheat Commission	\$25,052	7/1/2010- 6/30/2011	2%	Education for Idaho wheat producers: Extension cereal nurseries
Zemetra, R.S.	Idaho Wheat Commission	\$10,270	7/1/2010- 6/30/2011	2%	Support Scientist funding
Zemetra, R.S.	Idaho Barley Commission	\$10,960	7/1/2010- 6/30/2011	2%	Education for Idaho barley producers: Extension cereal nurseries
Zemetra, R.S.	Idaho Barley Commission	\$5,285	7/1/2010- 6/30/2011	2%	Support Scientist Funding
Zemetra, R.S.	U.S. Dry Pea and Lentil Council	\$19,000	7/1/2010- 6/30/2011	5%	Variety Development and Education for Pea, Lentil and Checkpea with Extension Variety Trials in Northern Idaho

Zemetra, R.S.	Washington Grain Commission	\$11,000	7/1/2010-6/30/2011	4%	Testing advanced breeding lines for high production areas in the Pacific Northwest
Zemetra, R.S.	CSREES special grant	\$347,000	8/01/08-7/31/11	5%	PCN Idaho
Zemetra, R.S.	CSREES special grant	\$325,368	9/01/09-8/31/11	5%	PCN Idaho
Zemetra, R.S.	CSREES special grant	\$325,400	9/1/2010-8/31/2011	5%	PCN Idaho
Zemetra, R.S., J. Chen, D. Hole	Pending: USDA-NNF	\$249,000	1/1/2011-12/31/2014	15%	Developing the next generation of neoclassical plant breeders
Coleman, Zemetra, et al.	USDA-NIFA Biomass Research and Development Initiative	\$6,966,397	6/1/2011 – 5/31/2015	5%	Mobile fast pyrolysis of forest biomass and agricultural residues for biofuel production
Zemetra, R.S.	U.S. Dry Pea and Lentil Council	\$17,454	7/1/2011-6/30/2012	5%	Pea, Lentil and Chickpea Extension Variety Trials in Northern Idaho
Zemetra, R.S.	Idaho Wheat Commission	\$17,454	7/1/2011-6/30/2012	5%	Pea, Lentil and Chickpea Extension Variety Trials in Northern Idaho
Zemetra, R.S.	Idaho Barley Commission	\$9,800	7/1/2011-6/30/2012	2%	Support Scientist funding

COMMODITY COMMISSION BUDGET FORM

BJKW87

Allocated by **Idaho Wheat Commission** during FY 2010 \$ **10,000**

Allocated by **Idaho Wheat Commission** during FY 2011 \$ **-**
10270

REQUESTED FY 2012 SUPPORT:

	Salary	Temporary Help	Fringe	Travel	OE	CO	Grad Fees	TOTALS
Idaho Wheat Commission	\$ 6,800	\$ -	\$ 3,000	\$ -	\$ -	\$ -	\$ -	\$ 9,800

OTHER RESOURCES (not considered cost sharing or match):

a) Industry	\$ 500
b) UI (salaries, operating)	\$ -
c) Other (local, state)	\$ -
d)	\$ -
e)	\$ -
TOTAL OTHER RESOURCES	\$ 500

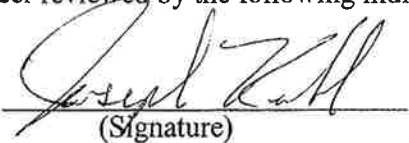
TOTAL PROJECT ESTIMATE FOR FY 2012: \$ **9,800** \$ **500** \$ **10,300**
(Requested) (Other) (Total)

BREAKDOWN FOR MULTIPLE SUB-BUDGETS:

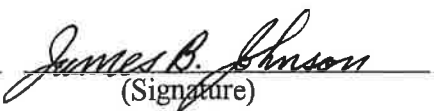
	(PI name)	(PI name)	(PI name)	(PI name)
Salary	\$ -	\$ -	\$ -	\$ -
Temporary Help	\$ -	\$ -	\$ -	\$ -
Fringe Benefits	\$ -	\$ -	\$ -	\$ -
Travel	\$ -	\$ -	\$ -	\$ -
Operating Expenses	\$ -	\$ -	\$ -	\$ -
Capital Outlay	\$ -	\$ -	\$ -	\$ -
Graduate Student Fees	\$ -	\$ -	\$ -	\$ -
TOTALS	\$ -	\$ -	\$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

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: Joseph Kuhl  12/14/2010
(Print Name) (Signature) (Date)

Reviewer 2: Alexander Karasev  12/14/10
(Print Name) (Signature) (Date)

Dept. Head/ Dr. Ding Johnson  15 Dec. 2010
Unit Administrator (Type/Print name) (Signature) (Date)

PROGRESS REPORT

PROJECT NO: BJKW87

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University of Idaho, Moscow, Idaho. 83844-2339, 208-885-7810,
rzemetra@uidaho.edu

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 Finkelnberg the Extension Support Scientist associated with the extension program in northern Idaho. With the presence of the support scientist the 2009 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 was involved in planting an additional winter wheat extension trial in Tensed, Idaho in 2010, 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 spring wheat nurseries will be assembled and planted by the support scientist in spring, 2011 and plant them 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:

Finkelnberg, D. and R. Zemetra. 2010. 2009 Small Grain and Grain Legume Report. University of Idaho Research Bulletin 176.