

From: [Bill Rooney](#)
To: ["Price, Jessica"](#)
Subject: RE: DOE/Biomass review - update follow-up
Date: Tuesday, August 25, 2009 6:39:00 AM
Attachments: [Letter to Reviewers - Rooney.doc](#)
[2009 2 page CV - Rooney.pdf](#)

Jessica:

As requested.

Bill

Dr. William L. Rooney
Professor, Sorghum Breeding and Genetics
Chair, Plant Release Committee
Texas A&M University
College Station, Texas 77843-2474
979 845 2151

-----Original Message-----

From: Price, Jessica [<mailto:jessica.price@go.doe.gov>]
Sent: Monday, August 24, 2009 6:37 PM
To: GO IBR FOA
Subject: DOE/Biomass review - update follow-up

Hello-

I wanted to send a follow-up email to the one that Liz Moore sent last week. There is one more item that we will need from you. If you are receiving this email you have not sent us a copy of either your resume or the reviewer survey or both. I have attached the reviewer survey. Please fill this out and return it to me with a copy of your resume. If you have already sent one or the other, please send it again to make sure that we have it on file. If I do not receive an electronic copy before Friday (8/28 or 9/11 if you are reviewing the second week) than I will be looking for a hard copy from you at the merit review. It is important that we have this information on file.

Thank you for your attention to this matter. I look forward to meeting you at the Merit Review.

Jessica Price
Project Engineer
Navarro Research and Engineering, Inc.
U.S. DOE Golden Field Office
720-356-1292

I. CURRENT TITLE AND POSITION

William L. Rooney

Professor

Department of Soil & Crop Sciences, Texas Agrilife Research and Texas A&M University

II. EDUCATION AND EXPERIENCE

- 2005-present Professor, Dep. of Soil & Crop Sciences, Texas A&M University
- 2000-2005 Associate Professor, Dep. of Soil & Crop Sciences, Texas A&M University
- 1995-2000 Assistant Professor, Dep. of Soil & Crop Sciences, Texas A&M University
- 1993-1995 Assistant Professor, Dep. of Agronomy, Kansas State University, Manhattan, KS.
- 1992 Ph.D., Plant Breeding and Genetics, University of Minnesota, St. Paul, MN
- 1989 M.S., Plant Breeding, Texas A&M University, College Station, TX.
- 1987 B.S., Agronomy, Texas A&M University, College Station, TX.

III. POSITION DESCRIPTION - Enhance the productivity and profitability of grain, forage and bioenergy sorghum production systems. The sorghum breeding program is used as a mechanism to develop and release sorghum germplasm to meet this goal. In addition to the release of improved sorghum genotypes, research in the program emphasizes the genetic inheritance of disease resistance, grain quality and agronomic productivity and adaptability. The research provides opportunities for graduate student training in fundamental and applied aspects of plant improvement. My program has pioneered the development of sorghum as a bioenergy crop and now is developing agronomic production, harvest and processing logistics.

IV. SELECTED PROJECT SUPPORT

- Regional Feedstock Partnership – Assessment of Sorghum as a Bioenergy Crop, DOE and Sungrant, Rooney and Heilman, \$225,000 4/01/2008 to 03/31/2010
- Genetic Analysis of Sorghum Drought Tolerance Traits. Pioneer Sponsored Research, Mullet and Rooney, \$750,000, with \$250,000 to Rooney 08/01/2008 to 6/30/2011
- Lignocellulosic Feedstock Development for Gen II Biofuels, Chevron Sponsored Research, Gould and Mullet PIs, \$5.4 million, \$765,000 to Rooney, 08/01/2008 to 3/31/2011.
- Enhancement of Sweet Sorghum Breeding Activities, Ceres Sponsored Research, Rooney WL. \$500,000, 09/01/2008 to 8/31/2012.
- Advancing Texas Biofuel Production, Rooney WL and K Chambliss. US Congress Special Appropriations, \$138,000, 07/01/2008 to 6/30/2009
- Novel Bioenergy Crops through Hybridization of Sorghum, Sugarcane and Energy cane, Rooney W, Stelly D, Da Silva J, State BIOENERGY Funds, \$230,000, 12/01/2007 to 08/31/2008
- Evaluation of Sweet Sorghum Hybrids as a Bioenergy Feedstock for the South Central U.S. – Germplasm Development and Agronomic Practices, Rooney W, Blumenthal J, Bean B, Peterson G, SunGrant Initiative, South Central Region, \$327,125, 07/01/2007 to 06/30/2010
- Genetic Improvement of Sorghum Drought Tolerance, Mullet J, Rooney W, and Payne W, Monocot Improvement Program, \$75,000, September 1, 2007 to August 31, 2008
- Breeding Sorghum for Improved Grain and Forage Quality and Yield for Central America, Rooney W., US AID INTSORMIL CRSP, \$335,732, 07/01/2007 to 09/30/2011
- Integrated Development of Dedicated Bioenergy Sorghums for Crop Production Systems in Texas, Rooney, W, Blumenthal J, Bean B, Amossen S, Peterson G, Odvody G and Parker R, Cropping Systems, \$300,000, 09/01/2007 to 8/31/2009
- Development of Bioenergy Sorghum, Rooney W, Mullet J and Klein P., Ceres, Inc., \$5,317,913, 09/01/2007 to 8/31/2012

V. SELECTED PUBLICATIONS (66)

- Hernandez, J.R., S. C. Capareda, O. Portillo, D. B. Hays, and W. L. Rooney. 2009. Simultaneous saccharification and fermentation (SSF) of High Digestible Variety of Grain Sorghum for Ethanol Production. ASBAE (in press).
- Dykes L. L.M. Seitz, W.L. Rooney and Lloyd W. Rooney. 2009. Flavonoid Composition of Red Sorghum Genotypes. Food Chemistry 116:313-317.
- Murray S.C, W.L. Rooney, M.H. Hamblin, S.E. Mitchell, and S. Kresovich. 2009. Sweet sorghum genetic diversity and association mapping for brix and height. The Plant Genome. 2:48-62.
- Rodríguez-Herrera, R*, Rooney, W. L., Waniska, R. D., Aguilar-González, C. N., Quero-Carrillo, A. R. and Padrón-Corral, E. 2009. Path analysis for kernel traits associated with grain mould resistance in food type sorghum. Archives of phytopathology and plant protection, 42:(2)148 — 159
- Perumal, R., M.A. Menz, P.J. Mehta, S. Katile, L.A. Gutierrez Rojas, R.R. Klein, P.E. Klein, L.K. Prom, J.A. Schlueter, W.L. Rooney, C.W. Magill 2009. Molecular mapping of Cg1, a gene for resistance to Anthracnose (*Colletotrichum sublineolum*) in sorghum, Euphytica 165:597-606.
- Balota M, WA Payne, D Rosenow, and W Rooney. 2008. Gas exchange and Transpiration Ratio in Sorghum. Crop Sci 48:2361-2371.
- Murray SC, WL Rooney, SE Mitchell, PE Klein, A Sharma, JE Mullet, and S Kresovich. 2008. Sorghum as a Biofuel Feedstock: II. QTL for Leaf and Stem Structural Carbohydrates. Crop Sci 48:2180-2193.
- Murray SC, A Sharma, WL Rooney, PE Klein, JE Mullet, SE Mitchell, and S Kresovich. 2008. Genetic improvement of sorghum as a biofuel feedstock: I. QTL for stem and grain nonstructural carbohydrates. Crop Sci 48:2165-2179.
- Kuhlman, L.C, B.L. Burson, P.E. Klein, R.R. Klein, D.M. Stelly, H.J. Price, and W.L. Rooney. 2008. Genetic Recombination in *S. bicolor* x *S. macrospermum* Interspecific Hybrids. Genome 51:749-756.
- Fernandez, MG, M Hamblin, L Li, WL Rooney, MR Tuinstra, and S Kresovich. 2008. QTL analysis of endosperm color and carotenoid content in sorghum grain. Crop Sci 48:1732-1743.
- Klein RR, JE Mullet, DR Jordan, FR Miller, WL Rooney, MA Menz, CD Franks, and PE Klein. 2008. The Effect of Tropical Sorghum Conversion and Inbred Development on Genome Diversity as Revealed by High-Resolution Genotyping. Crop Sci. 48(S1) S12-S26.

VI. SELECTED TECHNOLOGY TRANSFER

- Release of Tx2929 to Tx2934 sorghum germplasms. Official Approval: August 2004. Scientists contributing to this release: W.L. Rooney and G.N. Odvody.
- Release of Tx2935 to Tx2944 sorghum germplasms. Official Approval: August 2004. Scientists contributing to this release: W.L. Rooney and G.N. Odvody.
- Release of Tx2912-2920 sorghum germplasms. Official Approval: January 2002. Scientists contributing to this release: W.L. Rooney and S.D. Collins
- Release of Tx2921-2928 sorghum germplasms. Official Approval: January 2002. Scientists contributing to this release: W.L. Rooney and S.D. Collins
- Release of Sorghum Germplasm Lines Tx2909 & Tx2910. Scientists Contributing to this Release: W.L. Rooney, M.A. Hussey, and M.A. Sanderson. Official Release Date: April 23, 1997

VII. OTHER ACTIVITIES

- a. Associate Editor: Crop Science and Field Crops Research
- b. Chair: Texas Agrilife Research Plant Release Committee

You have been identified as having interest in being a reviewer for solicitations in the Department of Energy's (DOE) Office of the Biomass Program (OBP). If you would like to remain in the reviewer pool, please fill out the information below and return to the Department of Energy's GO Biomass Mailbox (gobiomass@go.doe.gov). Please include a current resume for our files with your submission.

Areas of Expertise:

For each area, please rate the keywords that best relate to your experience. Rate all that apply on a scale of 1 (familiar) to 5 (expert).

Feedstocks:

<input type="checkbox"/> _2_ Collection	<input type="checkbox"/> _1_ Transportation	<input type="checkbox"/> Preprocessing
<input type="checkbox"/> _2_ Storage	<input type="checkbox"/> _4_ Genetically Modified	<input type="checkbox"/> _1_ Markets/Economics
<input type="checkbox"/> _1_ Modeling	<input type="checkbox"/> _1_ Forest Derived	<input type="checkbox"/> Regulatory
<input type="checkbox"/> _5_ Production/Cultivation	<input type="checkbox"/> _1_ Biocide Use and Development	<input type="checkbox"/> Other _____

List of Specific Areas of Expertise (examples feedstock type, methods, etc.):
sorghum, subtropical production environments.

Biochemical Conversion/Processes:

<input type="checkbox"/> Enzyme Systems	<input type="checkbox"/> Fermentation	<input type="checkbox"/> Process Integration	<input type="checkbox"/> Economics
<input type="checkbox"/> Pretreatment	<input type="checkbox"/> Genetics	<input type="checkbox"/> Modeling	<input type="checkbox"/> Products
<input type="checkbox"/> Other _____			

List of Specific Areas of Expertise (examples, organism types, process types, product types, etc.)

Thermochemical Conversion/Processes:

<input type="checkbox"/> Syngas Production	<input type="checkbox"/> Syngas Cleanup	<input type="checkbox"/> Pyrolysis	<input type="checkbox"/> Catalyst Development
<input type="checkbox"/> Fuel Upgrading	<input type="checkbox"/> Modeling	<input type="checkbox"/> Products	<input type="checkbox"/> Other _____

List of Specific Areas of Expertise (examples processes, product types, fuel types, etc.)

Algae:

<input type="checkbox"/> Cultivation	<input type="checkbox"/> Genetics	<input type="checkbox"/> Process Integration	<input type="checkbox"/> Oil Recovery
<input type="checkbox"/> Carbohydrates	<input type="checkbox"/> Products	<input type="checkbox"/> Modeling	<input type="checkbox"/> Conversion to Fuel
<input type="checkbox"/> Other _____			

List of Specific Areas of Expertise (examples bioreactors, recovery processes, etc.)

Integrated Biorefineries:

<input type="checkbox"/> Construction	<input type="checkbox"/> Process Design	<input type="checkbox"/> Startup/Commissioning
<input type="checkbox"/> Operation of Integrated Facilities		<input type="checkbox"/> Other _____

Infrastructure:

<input type="checkbox"/> Siting	<input type="checkbox"/> Distribution	<input type="checkbox"/> Pipeline
<input type="checkbox"/> Transportation	<input type="checkbox"/> Permitting, Codes, Standards	<input type="checkbox"/> Other _____

Sustainability:

<input type="checkbox"/> LCA/GHG analysis	<input type="checkbox"/> Environmental (air, water, soil)	<input type="checkbox"/> Other _____
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Finance/Accounting:

___ Pro forma preparation/review ___ Insurance ___ Project Finance ___ Other _____

Project Management:

___ Scheduling ___ Contract/Subcontract Management ___ Project Controls
___ Cost Estimating ___ Other _____

Project Compliance:

___ Regulatory Affairs ___ ES&H ___ Permitting
___ NEPA ___ Other _____

Other (Please List): _____

Potential Conflicts of Interest (list organizations, this will need to be updated prior to being assigned to a specific review panel): _____

Are you available for the upcoming reviews? Travel will be required, most likely to Denver, CO.

☒ Yes ☐ No

If so, which ones would you like to be considered for?

- ☒ Demonstration of Biorefinery Operations (August 2009)
☒ Algae/Advanced Biofuels Consortia (October 2009)
☐ Infrastructure (TBD)

Do you have a current CCR and DUNS registration? ☒ Yes ☐ No
(Registration information is attached)

Referrals for other potential reviewers (name, email, phone):
