

**From:** [Bill Rooney](#)  
**To:** ["C. Wayne Smith"](#)  
**Subject:** RE: Department visit  
**Date:** Wednesday, October 07, 2009 2:05:16 AM

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Wayne:

I'm out the rest of the week as is Dustin and Delroy (we're all on vacation). So if you want someone from my group you'll need to contact either Nilesh Dighe or Rebecca Corn.

bill

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

From: C. Wayne Smith [<mailto:cwsmith@tamu.edu>]  
Sent: Tuesday, October 06, 2009 7:51 AM  
To: Jacki Langlois  
Cc: Amir M Ibrahim; David Baltensperger; Juerg Blumenthal; Kathy Ferguson; Steve Hague; dirk hays; Travis Miller; Bill L Rooney  
Subject: Re: Department visit

Jacki,  
What general area in Agronomy are you interested, Plant Breeding, Agronomy (plant physiology, production, etc.), or Soil Science? Secondly, what time will you arrive? Let me know ASAP as we will set up an itinerary.

Kathy: once we get this reply, please set up an itinerary for Jacki and copy Jacki and the cc list.

Thanks,

Wayne

C. Wayne Smith  
Professor, Cotton Breeding  
Associate Department Head  
Department of Soil and Crop Sciences  
2474 TAMU  
Texas A&M University  
College Station, TX 77843-2474  
979.845.3450  
[cwsmith@tamu.edu](mailto:cwsmith@tamu.edu)

>>> "Langlois, Jacki" <[jacki.langlois@okstate.edu](mailto:jacki.langlois@okstate.edu)> 10/5/2009 1:28 PM >>>  
Hello gentlemen,

Hopefully you remember meeting me at the Sorghum conference in August in Amarillo; I am a graduate student here at Oklahoma State and will be graduating this May and have been debating continuing my education or pursuing a career. Well I have made sudden plans to attend the OSU-Aggie football game this weekend since OSU will be on fall break. I will be headed to College Station on Thursday night and I was wondering, if at all possible, for a tour of the crop science department on Friday (Oct. 9). I feel there is no need for a formal agenda since this is on such late notice but I would love to see the department. I have spoken with a friend, Aaron Turner, and hopefully if he's not busy with class he can assist with the tour as well.

Please let me know if this is possible. I look forward to hearing from you and to seeing your campus this weekend. Thank you.

Sincerely,  
~Jacki Langlois

Jacqueline Langlois  
Oklahoma State University  
Graduate Assistant  
College of Agricultural Sciences & Natural Resources  
Plant & Soil Sciences Department  
Mobile: 815-671-2492

**From:** [Bill Rooney](#)  
**To:** ["Zak, Kendra"](#)  
**Subject:** RE: Discussion of Wide Hybridization FTO Opinion by Rob Hanson.  
**Date:** Wednesday, October 07, 2009 2:10:46 AM

---

Kendra:

I have a dissertation defense from 2-4 on that date and cannot change that.

Regards,

bill

---

**From:** Zak, Kendra [mailto:kzak@tamu.edu]  
**Sent:** Tuesday, October 06, 2009 9:11 AM  
**To:** Helms, Adam; Schmitt, Brian C.; wlr@tamu.edu; Mullet, John E.; stelly@tamu.edu; rhanson@sonnenschein.com  
**Cc:** McCutchen, Bill; Schuerman, Peter L.; Avant, Bob; Slovacek, Jackie  
**Subject:** RE: Discussion of Wide Hybridization FTO Opinion by Rob Hanson.

All,

Adam and Brian have asked that a conference call be scheduled to discuss Wide Hybrid FTO. Please let me know by 5 pm today if you are available next Tuesday October 13<sup>th</sup> at 2 pm.

Thank you,

Kendra Zak  
Administrative Assistant  
AgriLife Corporate Relations  
1500 Research Pkwy Suite 100  
College Station, TX 77845  
office: 979-845-4281  
cell: 512-304-5373  
fax: 979-458-2155  
[kzak@tamu.edu](mailto:kzak@tamu.edu)

---

Adam:

At the AgriLife IMPCT meeting this past week, you asked me if Rob Hanson would be available to summarize his findings in the FTO opinion for the PI's working on WH.

I just spoke with Rob and he would be happy to do this. He will be prepared to summarize his findings, counsel the PI's on how to treat his findings and answer additional questions the PI's may have.

Regards,

Brian Schmitt

Brian Schmitt, J.D.  
Intellectual Property Manager  
Registered Patent Attorney  
Office of Technology Commercialization  
Texas A&M University System  
800 Raymond Stotzer Parkway  
College Station, TX 77845  
979-862-6832  
bschmitt@tamu.edu

**From:** [Bill Rooney](#)  
**To:** [dj\\_packer@yahoo.com](mailto:dj_packer@yahoo.com); [rcorn@tamu.edu](mailto:rcorn@tamu.edu); [leohjr@neo.tamu.edu](mailto:leohjr@neo.tamu.edu); [miguel.1.gutierrez@monsanto.com](mailto:miguel.1.gutierrez@monsanto.com)  
**Subject:** FW: ATTENTION - Special PBGC Lunch - October 7  
**Date:** Wednesday, October 07, 2009 2:13:40 AM  
**Importance:** High

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Folks,

Please make sure somebody from our group attends; please share with other as I couldn't find their address this morning.

Bill

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**From:** Anna J Fox [mailto:[AFox@ag.tamu.edu](mailto:AFox@ag.tamu.edu)]  
**Sent:** Tuesday, October 06, 2009 9:18 AM  
**To:** undisclosed-recipients:  
**Subject:** ATTENTION - Special PBGC Lunch - October 7  
**Importance:** High

Dr. Marrey and a group of Plant Breeding Graduate students from Antonio Narro University in Saltillo, Coah Mexico will be visiting our department tomorrow October 7th, from 12 to 1:30 . We will be catering a luncheon in room 440 for the Plant Breeding faculty and students to allow time to visit with our guests. We realize it is short notice, but if possible, please RSVP by 4 p.m. today so adequate food can be ordered.

Thank you!  
Anna

*Anna Fox*

Office Associate  
Soil & Crop Sciences | Instruction Office  
Texas A&M University  
TAMU 2474  
Heep Center, Rm 217  
Phone: 979-845-3496 | Fax: 979-458-0533

**Yesterday is history. Tomorrow a mystery. Today is a gift. That's why it's called the present!**

**Make peace with your past so it won't spoil the present.**

**No one is in charge of your happiness except you.**

**From:** [Bill Rooney](#)  
**To:** ["Zak, Kendra"](#)  
**Subject:** RE: CHANGE: Discussion of Wide Hybridization FTO Opinion by Rob Hanson.  
**Date:** Wednesday, October 07, 2009 2:22:53 AM

---

Kendra: I'll be out of the country from Oct 18-30 and on the 19<sup>th</sup>, I'll be traveling. I can't make that call either.

Bill

---

**From:** Zak, Kendra [mailto:kzak@tamu.edu]  
**Sent:** Tuesday, October 06, 2009 1:16 PM  
**To:** Zak, Kendra; Helms, Adam; Schmitt, Brian C.; wlr@tamu.edu; Mullet, John E.; stelly@tamu.edu; rhanson@sonnenschein.com  
**Cc:** McCutchen, Bill; Schuerman, Peter L.; Avant, Bob; Slovacek, Jackie  
**Subject:** CHANGE: Discussion of Wide Hybridization FTO Opinion by Rob Hanson.

All,

October 13<sup>th</sup> is not going to be a good day for the call.

Rescheduled to Monday October 19<sup>th</sup> from 10-11 am. Please let me know by 5 pm tomorrow October 7<sup>th</sup> if this date and time are good for you.

Thank you,

Kendra Zak  
Administrative Assistant  
AgriLife Corporate Relations  
1500 Research Pkwy Suite 100  
College Station, TX 77845  
office: 979-845-4281  
cell: 512-304-5373  
fax: 979-458-2155  
[kzak@tamu.edu](mailto:kzak@tamu.edu)

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**Cc:** McCutchen, Bill; Schuerman, Peter L.; Avant, Bob; Slovacek, Jackie  
**Subject:** RE: Discussion of Wide Hybridization FTO Opinion by Rob Hanson.

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Administrative Assistant

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Adam:

At the AgriLife IMPCT meeting this past week, you asked me if Rob Hanson would be available to summarize his findings in the FTO opinion for the PI's working on WH.

I just spoke with Rob and he would be happy to do this. He will be prepared to summarize his findings, counsel the PI's on how to treat his findings and answer additional questions the PI's may have.

Regards,

Brian Schmitt

Brian Schmitt, J.D.  
Intellectual Property Manager  
Registered Patent Attorney  
Office of Technology Commercialization  
Texas A&M University System  
800 Raymond Stotzer Parkway  
College Station, TX 77845  
979-862-6832  
[bschmitt@tamu.edu](mailto:bschmitt@tamu.edu)

**From:** [Bill Rooney](#)  
**To:** ["Abernathy, Chris"](#)  
**Subject:** RE: 2008 Sorghum Trials  
**Date:** Wednesday, October 07, 2009 2:23:50 AM

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Yes, that is how it worked for the 2008 season.

Bill

---

**From:** Abernathy, Chris [mailto:[abernathycr@ornl.gov](mailto:abernathycr@ornl.gov)]  
**Sent:** Tuesday, October 06, 2009 1:34 PM  
**To:** Bill Rooney  
**Cc:** 'Payne Burks'  
**Subject:** RE: 2008 Sorghum Trials

Bill,

Thanks for the dataset.

One question so far...is Blumenthal the PI for Corpus Christi and you for College Station?

Thanks,  
Chris

---

**From:** Bill Rooney [mailto:[wlr@tamu.edu](mailto:wlr@tamu.edu)]  
**Sent:** Tuesday, October 06, 2009 6:08 AM  
**To:** Abernathy, Chris  
**Cc:** 'Payne Burks'  
**Subject:** RE: 2008 Sorghum Trials

Chris:

My apologies in the delay to get you this information, but as usual everything takes longer than it should. I'm sending you both raw data and analyzed data from the 2008 trials on sorghum.

While there is some variation from location to location, there is a core set of information that should be of value. What I don't have compiled would be relative weather data. Don't know if you need/want it, but we can request it from the cooperators when we start collecting 2009 data (which will be pretty soon now).

Take a look – if you have questions, please let us know.

Regards,



Bill

---

**From:** Abernathy, Chris [mailto:abernathycr@ornl.gov]  
**Sent:** Tuesday, August 18, 2009 6:52 AM  
**To:** Bill Rooney  
**Cc:** 'Payne Burks'  
**Subject:** RE: 2008 Sorghum Trials

Thanks Bill. That is great.

DoE is pushing for almost anything at this point, but is VERY aware of the impact the funding delays caused.

Chris

P.S. hooray for grad students!

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**From:** Bill Rooney [mailto:wlr@tamu.edu]  
**Sent:** Tuesday, August 18, 2009 7:45 AM  
**To:** Abernathy, Chris  
**Cc:** 'Payne Burks'  
**Subject:** RE: 2008 Sorghum Trials

Chris

We have data for 2008 - we've been compiling it in bits and pieces from the cooperators this summer. Because I was doing such a poor job (didn't have time), I've assigned a graduate student to compile the data for both 2008 and 2009. He will be in contact with the data as soon as I have a chance to approve what he has.

regards,

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:** Abernathy, Chris [mailto:abernathycr@ornl.gov]  
**Sent:** Monday, August 17, 2009 9:59 AM  
**To:** William Rooney (wlr@tamu.edu)  
**Subject:** 2008 Sorghum Trials

Bill,

Were there any sorghum trials planted in 2008? If so, were data collected on them? If not, are there trials in place now for 2009?

I am trying to determine which trials I can expect data for 2008.

Thanks for your help,

-Chris

\*\*\*\*\*

Chris Abernathy

Environmental Project Manager

Environmental Sciences Division

Oak Ridge National Laboratory

(865) 241-5877 (office); (865) 576-9939 (fax)

**From:** [Bill Rooney](#)  
**To:** ["Glenda Kurten"](#)  
**Subject:** RE: Faculty teaching classes this sem. - Weekly flue reporting  
**Date:** Wednesday, October 07, 2009 11:17:39 AM

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

From: Glenda Kurten [<mailto:g-kurten@tamu.edu>]  
Sent: Wednesday, October 07, 2009 9:57 AM  
Cc: Kathy Ferguson  
Subject: Faculty teaching classes this sem. - Weekly flue reporting

Please let me know numbers of students in your classes that you suspect or know have the flu this past week. If you will respond by the end of the day today, I will compile and send the numbers over tomorrow morning.

Thanks for your help,  
Glenda

Glenda Kurten  
Business Coordinator II - Instruction  
Soil and Crop Sciences &  
MEPS Program  
979/845-3342  
Fax: 979/458-0533  
E-mail [g-kurten@tamu.edu](mailto:g-kurten@tamu.edu)

**From:** [Bill Rooney](#)  
**To:** ["John Mullet"](#); ["McCutchen, Bill"](#)  
**Cc:** ["Helms, Adam"](#); ["Avant, Bob"](#); [stelly@tamu.edu](mailto:stelly@tamu.edu); ["Schuerman, Peter L."](#); ["Hurley, Janie C."](#)  
**Subject:** RE: Highest Priority: DARPA Energy Crops  
**Date:** Wednesday, October 07, 2009 11:21:47 AM

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Bill and John:

007 has Ma5 and Ma7 and that might be of value to us. However, we've got those alleles in a lot of other material now and as long as that material is not turned over to Ceres, I think we'll be fine.

007 has value in the sorghum world as a pollinator. In the sorghum scenario, the pollinator is mostly derived from sugarcane. Hence it is on that seed parent side of things where sorghum is more important (right now). So, sweet seed parents – when and if those are licensed – it would be critical to maintain our breeding rights to move high sugar into iap seed parent backgrounds.

Regards,

Bill

---

**From:** John Mullet [<mailto:jmullet@tamu.edu>]  
**Sent:** Wednesday, October 07, 2009 8:53 AM  
**To:** McCutchen, Bill  
**Cc:** Helms, Adam; Avant, Bob; [wlr@tamu.edu](mailto:wlr@tamu.edu); [stelly@tamu.edu](mailto:stelly@tamu.edu); Schuerman, Peter L.; Hurley, Janie C.  
**Subject:** Re: Highest Priority: DARPA Energy Crops

Bill,

Currently as you know, Bill is using a modified version of [REDACTED] for WH development. Also, [REDACTED] has two genes of current value in breeding energy crops (ma5, ma7 that confer early flowering in inbreds, but late flowering in specific hybrids). These genes may be valuable for WH at some point (where cane is modified to be early flowering = [REDACTED] for example but WH are late flowering). So you might want to retain rights to use 007 or the ma5, ma7 genes per se.

In addition, the genome of [REDACTED] will be segregating in a large number of our energy sorghum breeding lines, and we can see some additional traits derived from [REDACTED] that will be useful for energy crop design. I am not sure how you want to handle this aspect of [REDACTED]

John

On Oct 7, 2009, at 8:16 AM, McCutchen, Bill wrote:

In other words, is [REDACTED] critical are do we have enough other germplasm not committed to Ceres that is more than viable?

---

**From:** McCutchen, Bill  
**To:** Mullet, John E.; Helms, Adam; Avant, Bob  
**Cc:** [wlr@tamu.edu](mailto:wlr@tamu.edu) <[wlr@tamu.edu](mailto:wlr@tamu.edu)>; [stelly@tamu.edu](mailto:stelly@tamu.edu) <[stelly@tamu.edu](mailto:stelly@tamu.edu)>; Schuerman, Peter L.;

Hurley, Janie C.

**Sent:** Wed Oct 07 08:15:10 2009

**Subject:** Re: Highest Priority: DARPA Energy Crops

On another subject, how important would the likes of [REDACTED] be as germplasm/seed stock for our sorcane RD? We are running into barriers with Ceres on the license?

Bill

---

**From:** John Mullet <[jmullet@tamu.edu](mailto:jmullet@tamu.edu)>

**To:** Helms, Adam; Avant, Bob

**Cc:** McCutchen, Bill; Bill Rooney <[wlr@tamu.edu](mailto:wlr@tamu.edu)>; Stelly\_David Stelly <[stelly@tamu.edu](mailto:stelly@tamu.edu)>

**Sent:** Wed Oct 07 07:56:07 2009

**Subject:** Re: Highest Priority: DARPA Energy Crops

Adam and Bob,

This looks excellent. In addition, I would suggest creating a version that adds one more layer of information - Milestones that define the path or steps to achieve the Deliverable. In this version, one could quickly understand what we intend to deliver, how success will be measured, and the steps we intend to take to achieve the goal.

I will work a bit on Goal 2 as an example and send later today so you can decide if this approach is useful (possibly for STO slides, if not for the proposal).

Thanks,

John

On Oct 6, 2009, at 9:17 PM, Helms, Adam wrote:

Good evening:

Today we met with Dr. Giroir and he gave us some advice for moving forward with the DARPA-Energy Crops Proposal. Perhaps the most relevant was how we proceed with the Milestones & Deliverables document and the discussion of the Milestone vs. Deliverable vs. Metric and how DARPA likes these presented – whether for the entire project, per goal or per task. Bob, Shay and I had a lengthy discussion about this very topic when we returned and how we felt it should best be presented.

First, for each goal there is one deliverable with quantifiable metrics. For example, below are the “over-arching” goals, deliverables and metrics for this project –

Goal 1: Grow and optimize production of current energy sorghum hybrids at sites of importance to national security.

Deliverable: Energy sorghum production maximized in locations of national security importance using optimized management practices, harvest logistics, and economic assessment.

Metric: 10-15 dry tons of lignocellulosic biomass produced per acre per year delivered to biorefineries at ~\$60/dT providing a ~75% GHG offset for biofuels or ~95% for

## biopower

Goal 2: Build a full-scale integrated genomics-to-breeding technology platform that will accelerate the rate of genetic improvement of energy sorghum and wide-hybrids.

Deliverable: Energy sorghum hybrids with increased yield and optimized composition for advanced biofuels and biopower generation designed using an integrated genomics-to-energy crop breeding technology platform.

Metric: Improve energy crop yield to 15-20 dT/acre and optimize biomass composition for conversion processes.

Goal 3: Develop next generation energy crops using novel wide hybridization technology that enables sorghum to be crossed with energy cane and other energy grasses.

Deliverable: Novel wide-hybrid energy crops propagated vegetatively and/or through seed production and an understanding of the genetic basis of wide hybridization.

Metric: Development of the mass-production of hybrid seed from crosses with energy canes. 25-90+% cost reduction for planting energy canes. A suite of newly created next-generation energy grasses for advanced biofuels and biopower generation in diverse agricultural and climatic conditions.

To move forward with the process to submit another iteration to DARPA, we need the following:

1. Milestones and Deliverables document that reflects the narrative. At present, there is not a consistency between the “work plan” presented per task in the narrative to the Milestones and Deliverables document. I have attached an example “Narrative\_MDexample” from John Mullet’s Task 2.1. Review the example to see if your task and milestones/deliverables are similar. Please use this format and note that in the Milestones and Documents example, the specific milestones are more specific than in the narrative.
2. For each task you are assigned, we need 18 month and 36 month “Go/No Go” quantifiable metrics. These “Go/No Go” quantifiable metrics are what DARPA will use to determine if we are funded for the next 18 months and the last 24 months. I realize that this puts everyone into the middle of a year of research, but please remember, we don’t want yearly reviews from DARPA, so every 18 months will suffice. Additionally, it will not kill the project if the metric isn’t obtained. If your goal is to improve efficiency 50%, and you only achieve 40% then that is ok, DARPA understands this is still research.

For example:

Task 2.1 (which is Goal 2 Task 1) – State the objective

Milestones

Deliverables

18 month and 36 month quantifiable metrics

The 60 month metrics could be the 3 overarching metrics listed above – the reason those 3 were achieved were because of the attainment of many metrics per goal and per task.

3. We need this by close of business Thursday. I know it is a short turn around, but for the most part, it is only simple formatting.

Thanks, and as always, please contact me at your earliest convenience if you have any

questions/comments.

Best,

Adam

Adam Helms

AgriLife Research Corporate Relations

979-255-0752 (mobile)

979-458-2677 (office)

<DARPA RD Proposal SemiFinal.doc><DARPA MILESTONES AND  
DELIVERABLES\_Master.doc><Narrative\_MD example.doc>

**From:** [Bill Rooney](#)  
**To:** ["Stelly, David"](#); ["Bartek, Matthew Scott"](#)  
**Cc:** ["Hodnett, George"](#)  
**Subject:** RE: wide hybrids in the field  
**Date:** Wednesday, October 07, 2009 11:25:31 AM

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David:

See answers below.

Will the whole WH-F1 seedling field will be maintained, and how (cut back or left as is?)

Yes, we will keep the field. It will be cut back at some point, depending on weather and our ability to propagate.

Will the 35 be also be maintained in the field, or actually dug up and transplanted?

They will be maintained as is in the field. They will also be propagated, both in the field and in the greenhouse from cuttings made ASAP (ie, when the rain allows it).

Will the other selections (non-35) be maintained in the field, as well as replanted in a separate field from billets?

I think that Matt was going to save a random few, propagating in the greenhouse. Otherwise, we'll just leave them in the field and see how well they survive the winter.

Regards,

Bill



**From:** [Bill Rooney](#)  
**To:** ["Zak, Kendra"](#)  
**Subject:** RE: CHANGE: Discussion of Wide Hybridization FTO Opinion by Rob Hanson.  
**Date:** Wednesday, October 07, 2009 11:26:58 AM

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Kendra:

No, I'm in Ireland right now. Be back on Saturday and then to Indonesia a week later....

Bill

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**From:** Zak, Kendra [mailto:kzak@tamu.edu]  
**Sent:** Wednesday, October 07, 2009 8:24 AM  
**To:** Bill Rooney  
**Subject:** RE: CHANGE: Discussion of Wide Hybridization FTO Opinion by Rob Hanson.

You are a crazy world traveler. How's Indonesia? Isn't that where you are at?

Kendra Zak  
Administrative Assistant  
AgriLife Corporate Relations  
1500 Research Pkwy Suite 100  
College Station, TX 77845  
office: 979-845-4281  
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fax: 979-458-2155  
[kzak@tamu.edu](mailto:kzak@tamu.edu)

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Regards,

Brian Schmitt

Brian Schmitt, J.D.

Intellectual Property Manager  
Registered Patent Attorney  
Office of Technology Commercialization  
Texas A&M University System  
800 Raymond Stotzer Parkway  
College Station, TX 77845  
979-862-6832  
bschmitt@tamu.edu

**From:** [Bill Rooney](#)  
**To:** ["Golden, Donna"](#)  
**Subject:** RE: Dependent Children Scholarship Reception  
**Date:** Wednesday, October 07, 2009 11:31:26 AM

---

[See below](#)

---

**From:** Golden, Donna [mailto:[dgolden@sfamail.tamu.edu](mailto:dgolden@sfamail.tamu.edu)]  
**Sent:** Wednesday, October 07, 2009 10:42 AM  
**To:** Golden, Donna  
**Subject:** Dependent Children Scholarship Reception

Dear Parent and Employee,

I am getting things in order for the upcoming Dependent Children Scholarship Reception on November 12, 2009. I have been asked to verify your immediate Supervisor's name and mailstop. We will be sending invitations and want to ensure that we have the most current information on file. Please provide the below requested information. Your assistance is greatly appreciated.

[Your Name:](#) William Rooney  
[Your Department:](#) Soil and Crop Sciences  
[Your Title:](#) Professor  
[Supervisor's Name:](#) David Baltensperger  
[Supervisor's Mailstop:](#) 2474

Please let me know if you have any questions.

Thank you,

Donna Golden  
Financial Aid Assistant II  
Scholarships & Financial Aid  
Texas A&M University  
[donnag@tamu.edu](mailto:donnag@tamu.edu)

*WELCOME TO AGGIELAND*

**From:** [Bill Rooney](#)  
**To:** ["John Mullet"](#)  
**Cc:** ["McCutchen, Bill"](#); ["Schuerman, Peter L."](#); ["Hurley, Janie C."](#)  
**Subject:** RE: Highest Priority: DARPA Energy Crops  
**Date:** Wednesday, October 07, 2009 11:32:56 AM

---

John has an excellent point with the markers... hadn't thought about that.

Bill

---

**From:** John Mullet [<mailto:jmullet@tamu.edu>]  
**Sent:** Wednesday, October 07, 2009 11:31 AM  
**To:** Bill Rooney  
**Cc:** 'McCutchen, Bill'; 'Helms, Adam'; 'Avant, Bob'; [stelly@tamu.edu](mailto:stelly@tamu.edu); 'Schuerman, Peter L.'; 'Hurley, Janie C.'  
**Subject:** Re: Highest Priority: DARPA Energy Crops

Bill Mc,

I concur that keeping FTO on the [REDACTED] versions of [REDACTED] is useful because they are now in many other backgrounds and useful for energy crop development. In other words, if you license [REDACTED] it seems wise to retain FTO on these alleles at a minimum. Even though they are now in different backgrounds, it will be easy to trace the alleles back to [REDACTED].

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[REDACTED] has value in the sorghum world as a pollinator. In the sorghum scenario, the pollinator is mostly derived from sugarcane. Hence it is on that seed parent side of things where sorghum is more important (right now). So, sweet seed parents – when and if those are licensed – it would be critical to maintain our breeding rights to move high sugar into iap seed parent backgrounds.

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**To:** McCutchen, Bill  
**Cc:** Helms, Adam; Avant, Bob; [wlr@tamu.edu](mailto:wlr@tamu.edu); [stelly@tamu.edu](mailto:stelly@tamu.edu); Schuerman, Peter L.; Hurley, Janie C.  
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**To:** Mullet, John E.; Helms, Adam; Avant, Bob  
**Cc:** '[wlr@tamu.edu](mailto:wlr@tamu.edu)' <[wlr@tamu.edu](mailto:wlr@tamu.edu)>; '[stelly@tamu.edu](mailto:stelly@tamu.edu)' <[stelly@tamu.edu](mailto:stelly@tamu.edu)>; Schuerman, Peter L.; Hurley, Janie C.  
**Sent:** Wed Oct 07 08:15:10 2009  
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**To:** Helms, Adam; Avant, Bob  
**Cc:** McCutchen, Bill; Bill Rooney <[wlr@tamu.edu](mailto:wlr@tamu.edu)>; Stelly\_David Stelly <[stelly@tamu.edu](mailto:stelly@tamu.edu)>  
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**Subject:** Re: Highest Priority: DARPA Energy Crops

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This looks excellent. In addition, I would suggest creating a version that adds one more layer of information - Milestones that define the path or steps to achieve the Deliverable. In this version, one could quickly understand what we intend to deliver, how success will be measured, and the steps we intend to take to achieve the goal.

I will work a bit on Goal 2 as an example and send later today so you can decide if this approach is useful (possibly for STO slides, if not for the proposal).

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On Oct 6, 2009, at 9:17 PM, Helms, Adam wrote:

Good evening:

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Deliverable: Energy sorghum production maximized in locations of national security importance using optimized management practices, harvest logistics, and economic assessment.

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To move forward with the process to submit another iteration to DARPA, we need the following:

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For example:

Task 2.1 (which is Goal 2 Task 1) – State the objective

Milestones

Deliverables

18 month and 36 month quantifiable metrics

The 60 month metrics could be the 3 overarching metrics listed above – the reason those 3 were achieved were because of the attainment of many metrics per goal and per task.

3. We need this by close of business Thursday. I know it is a short turn around, but for the most part, it is only simple formatting.

Thanks, and as always, please contact me at your earliest convenience if you have any questions/comments.

Best,

Adam

Adam Helms

AgriLife Research Corporate Relations

979-255-0752 (mobile)

979-458-2677 (office)

<DARPA RD Proposal SemiFinal.doc><DARPA MILESTONES AND  
DELIVERABLES\_Master.doc><Narrative\_MD example.doc>



**From:** [Bill Rooney](#)  
**To:** ["Simpson, Shay"](#)  
**Cc:** ["John Mullet"](#)  
**Subject:** RE: AGENDA Chevron/AgriLife Quarterly Review in Weslaco  
**Date:** Wednesday, October 07, 2009 11:35:12 AM

---

Shay:

There's no way I can be in Weslaco in time for presentations on Thursday, so I'll likely not make the trip.

I think that John is confirmed for that trip so I'll convey any pertinent information to him.

Regards,

Bill

---

**From:** Simpson, Shay [mailto:[shay-simpson@tamu.edu](mailto:shay-simpson@tamu.edu)]  
**Sent:** Tuesday, October 06, 2009 6:37 PM  
**To:** Bill Rooney  
**Subject:** FW: AGENDA Chevron/AgriLife Quarterly Review in Weslaco

Bill:

I don't know if you ever made plans to go to Weslaco for the quarterly review with Chevron. We were not able to adjust the schedule to have the review part on Friday. You are still very welcome to come down after your classes on Thursday and be with the group for the dinner that night and Friday during the tour of sugar cane harvest and the mill. There will still be plenty of opportunity for you to have discussions. The current plan is to have 2 vans transporting all of the group from place to place, BUT Mike is trying to find a bus so we are all together and you could use the microphone to make an "on-the-go" presentation.

Let me know if you want to go. I know you're traveling a lot, so understand if you miss it this time.

Thanks,  
Shay

Shay L. Simpson  
Associate Director, Corporate Relations  
Texas AgriLife Research  
Centeq Building 100D  
979-845-6315 Office  
979-571-3137 Mobile  
[shay-simpson@tamu.edu](mailto:shay-simpson@tamu.edu)

---

**From:** Simpson, Shay  
**Sent:** Tuesday, October 06, 2009 6:27 PM  
**To:** Long, Michelle Y. (YLON) (MYLong); Jones, Doug M  
**Cc:** Gould Mike; 'John Mullet'; El-Hout Nael; 'Erik Mirkov'; John Jifon; Ted Wilson (It-wilson@tamu.edu); Paul Baumann (p-baumann@tamu.edu); Bill Rooney; McCutchen, Bill; Avant, Bob; Helms, Adam; Nelson, Michelle; Zak, Kendra; Travis Miller; Alex Thomasson; McCutchen, Bill; Slovacek, Jackie; Baltensperger, David; 'tmaldonado@tamu.edu'  
**Subject:** AGENDA Chevron/AgriLife Quarterly Review in Weslaco

Michelle and Doug:

Please find attached the close-to-final agenda and attendee list for our meeting in Weslaco next week. Please forward to your team and Curt and Paul. Note that the dress is casual with work shoes as we will be in the fields and in agricultural processing plants both days.

If you have any suggested changes to the schedule, please forward them.

Mike Gould's team will be forwarding a written report soon.

Thanks,  
Shay

Shay L. Simpson  
Associate Director, Corporate Relations  
Texas AgriLife Research  
Centeq Building 100D  
979-845-6315 Office  
979-571-3137 Mobile  
[shay-simpson@tamu.edu](mailto:shay-simpson@tamu.edu)

**From:** [Bill Rooney](#)  
**To:** ["Slovacek, Jackie"](#)  
**Cc:** ["Mullet, John E."](#)  
**Subject:** RE: Confidential  
**Date:** Wednesday, October 07, 2009 11:38:32 AM

---

Jackie:

I've got plenty to do next week when I return, but if we need to meet next week, then I can make the Tuesday time.

However, I Bill Mc is willing to wait, the first week of November is good (later in the week).

Regards,  
bill

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

From: Slovacek, Jackie [<mailto:j-slovacek@tamu.edu>]  
Sent: Tuesday, October 06, 2009 4:17 PM  
To: Mullet, John E.  
Cc: Bill Rooney  
Subject: RE: Confidential

I wonder if this lunch can wait until the first week of November? What do you guys think? Bill Mc is out the last week in October.

I will wait to hear from Rooney.

Jackie

Jackie Slovacek  
Assistant to the Associate Director  
Texas AgriLife Research  
113 Jack K Williams Administration Bldg  
College Station, Texas 77843-2142

979.845.7980  
979.458.4765 Fax

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

From: John Mullet [<mailto:jmullet@tamu.edu>]  
Sent: Tuesday, October 06, 2009 4:10 PM  
To: Slovacek, Jackie  
Cc: Bill Rooney  
Subject: Re: Confidential  
Importance: High

Jackie,

I will be tied up through the end of next week getting the DARPA project done and then heading to the Chevron meeting Wed-Friday next week.

Need to check Bill Rooney's schedule because he is traveling a lot right now.

John

On Oct 6, 2009, at 3:31 PM, Slovacek, Jackie wrote:

> See email below:  
>  
> Bill Mc is available next week for a two hour lunch on Monday, Oct  
> 12th  
> 11-1 pm, or Tuesday, Oct 13th 11-1 pm.  
>  
> Please let me know if either of these days work for you.  
>  
> Thanks  
> Jackie  
>  
>  
>  
> -----Original Message-----  
> From: McCutchen, Bill  
> Sent: Monday, October 05, 2009 6:18 PM  
> To: Slovacek, Jackie  
> Subject: Fw: Confidential  
>  
> Can you set a 2hr of campus lunch with Bill and John please?  
>  
> Bill  
>  
> ----- Original Message -----  
> From: Bill Rooney <wlr@tamu.edu>  
> To: McCutchen, Bill; Mullet, John E.  
> Sent: Sat Oct 03 08:26:59 2009  
> Subject: RE: Confidential  
>  
> Bill, I'd be happy to discuss integration into the research  
> programs.....  
>  
> Bill r.  
>  
> -----Original Message-----  
> From: McCutchen, Bill [<mailto:bmccutchen@tamu.edu>]  
> Sent: Saturday, October 03, 2009 8:01 AM  
> To: wlr@tamu.edu; Mullet, John E.  
> Subject: Confidential  
>  
> Bill and John,  
>  
> First I want to say thanks for your leadership and guidance not only  
> for  
> DARPA, but the significant accomplishments that you have achieved in  
> bioenergy over the years. It has been challenging and imperfect,  
> but it  
> has been fun and rewarding.  
>  
> IF we are successful in securing the DARPA funding, could I ask you to  
> consider funding a graduate student that might focus on the  
> potential to  
> transfer insect, herbicide and/or disease traits from sorghum to  
> sorcane? I would also like to ask you a favor and allow me to engage  
> and provide oversight of this student that would be an student  
> appointment in one or both of your labs.  
>

- > If you possible, I would like to discuss in person with both of you.
- >
- > Thanks for considering.
- >
- > Bill
- >

**From:** [Bill Rooney](#)  
**To:** ["Rene Clara"](#)  
**Subject:** RE: Expenses report  
**Date:** Wednesday, October 07, 2009 11:39:39 AM

---

Rene:

Thanks for the information. I'll look for the package and once approved, I'll send it on to Joan.

Regards,

Bill

---

**From:** Rene Clara [mailto:[reneclara@yahoo.com](mailto:reneclara@yahoo.com)]  
**Sent:** Tuesday, October 06, 2009 12:53 PM  
**To:** Bill Rooney  
**Cc:** Joan Frederick  
**Subject:** Expenses report

Dear Dr. Bill,

This morning I sent to you the expenses report of PCCMCA meeting of Vilma, Salvador, Mario Jaco and René Clará, by *EMS* courier.

We all spend the received money, neither return nor restoration money. Jaco bought the ticket, but it did not use it, because at the last hour the CENTA Director did not authorize his trip. This ticket is available in CENTA.

Vilma and Salvador did not use the funds for buy of tickets of plane because they obtained it of FOCAGRO.

Regards,

**René Clará V.**  
INTSORMIL  
Host Regional Coordinator

CENTA, Apdo. Postal 885,  
San Salvador, El Salvador, C.A.  
Tel. (503) 2302 0239 - (503) 7815 2238 cel.  
Fax: (503) 2302 0239

E-mail: [reneclara@yahoo.com](mailto:reneclara@yahoo.com)

**From:** [Bill Rooney](#)  
**To:** ["Holland, L. Diane"](#); ["Baltensperger, David"](#); ["McCutchen, Bill"](#); ["DeLuca, Warren"](#)  
**Cc:** ["Lawson, Caroline"](#); ["Hurley, Janie C."](#)  
**Subject:** RE: REQUEST FOR APPROVAL  
**Date:** Thursday, October 08, 2009 2:05:42 AM

---

Diane et al.,

I approve of this agreement.

Regards,

Bill

---

**From:** Holland, L. Diane [mailto:DHolland@tamu.edu]  
**Sent:** Wednesday, October 07, 2009 2:51 PM  
**To:** Bill Rooney; Baltensperger, David; McCutchen, Bill; DeLuca, Warren  
**Cc:** Lawson, Caroline; Hurley, Janie C.  
**Subject:** REQUEST FOR APPROVAL  
**Importance:** High

Good Afternoon,

Attached for your consideration and approval is a draft of a proposed License Agreement with Ceres, Inc. for TAMUS 2713. Also attached is a Brief summarizing the terms of this Amendment and an Approval form. If the Agreement is acceptable as written, please indicate your approval with an email response copying everyone on this email. In the interest of time, we are doing this routing approval via email. I look forward to hearing back from you soon.

Diane Holland  
Office of Technology Commercialization  
Texas A&M University Systems  
800 Raymond Stotzer Parkway, Ste. 2020  
3369 TAMU  
College Station, TX 77843-3369  
979-845-8966 - phone  
979-845-1402 - fax

**From:** [Bill Rooney](#)  
**To:** ["McCutchen, Bill"](#); ["Mullet, John E."](#)  
**Cc:** ["Schuerman, Peter L."](#); ["Hurley, Janie C."](#)  
**Subject:** RE: Highest Priority: DARPA Energy Crops  
**Date:** Thursday, October 08, 2009 2:11:06 AM

---

Bill Mc (and others)

It seems to me that the license agreement (which I just read) specifically allows the use of [REDACTED] for future breeding and research work. If I'm reading that correctly, then I think we are in good shape and don't have a need to push any further.

As of right now, the photoperiod sensitivity in the hybrids is provided by the sugarcane parent. While it is likely that we may want to breed, manipulate and even extract genes using Ma5/Ma7 at some point, it probably will not be in the next 1-2 as we still have to understand what we are working with. At that point we would be ready and the Ceres project will be in the process of negotiation for renewal and we can address it at that point.

Regards,

Bill

---

**From:** McCutchen, Bill [mailto:bmccutchen@tamu.edu]  
**Sent:** Wednesday, October 07, 2009 4:12 PM  
**To:** wlr@tamu.edu; Mullet, John E.  
**Cc:** Schuerman, Peter L.; Hurley, Janie C.  
**Subject:** Re: Highest Priority: DARPA Energy Crops

Bottom-line, how much is it worth to potentially alienate Ceres and can we work around without too much trouble?

In other words, how critical to our RD program are these recessive alleles and corresponding markers in 007 to advance our causes?

Understand that we will try to negotiate a deal with Ceres, but IF they make a "stand" over THIS...? Knowing that we could gain significant political chips for future and current endeavors and negotiations.

Bill

---

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Best,

Adam

Adam Helms

AgriLife Research Corporate Relations

979-255-0752 (mobile)

979-458-2677 (office)

<DARPA RD Proposal SemiFinal.doc><DARPA MILESTONES AND  
DELIVERABLES\_Master.doc><Narrative\_MD example.doc>

**From:** [Bill Rooney](#)  
**To:** ["Borden, Dustin Ross"](#); ["Delroy Collins"](#)  
**Subject:** RE: Bioenergy and Sweets in weslaco  
**Date:** Thursday, October 08, 2009 3:57:57 AM

---

Looks like it would be tough to impossible to harvest this stuff mechanically. So, I'm inclined to let it go...we'll make a decision by early next week.

Regards,

Bill

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

From: Borden, Dustin Ross [<mailto:dborden@neo.tamu.edu>]  
Sent: Tuesday, October 06, 2009 5:05 PM  
To: bill ronney; Delroy Collins  
Subject: Bioenergy and Sweets in weslaco

Dr. Rooney and Delroy

I looked at the things in weslaco that we would harvest with the one row and I think that at this point it would not be worth going down there. I could not find where an alley was supposed to be or where the rows were from the front of the field. I have attached some pictures, they don't represent it very well but I think that you can get the overall picture.

The sweets are completely gone, as in beginning to rot on the ground. some of the material in the middle is still standing and we might can take notes on them as to what is still up, but finding the start and stop of the plots will be difficult.

I told Beto that I was going to talk to you and let you make a decision based on the pictures and my opinion, so if you could please let him know what we are going to do with in on Monday the 12th. Im sure he will be calling by tuesday if you don't call him.

I will have my phone, but I don't know if it will work, but call me if you need me.

Thanks

Dustin

Dustin Borden '07  
Research Assistant  
Sorghum Breeding and Genetics  
Texas A&M University  
College Station, TX 77843  
(979)845-2151

**From:** [Bill Rooney](#)  
**To:** ["Pam Wilhelm"](#)  
**Subject:** RE: last years Cropping Systems money  
**Date:** Thursday, October 08, 2009 3:59:57 AM

---

Pam:

Understood, and didn't know we had that much money left. However, if we don't do a blanket, the number of requests will go up exponentially. How are we to handle that? Until we replace Karen, there is no way that we can. After that, I would defer to the appropriate approach based on input from all (Karen's replacement, Lea Dell and you).

Thanks,

Bill

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

From: Pam Wilhelm [<mailto:PWilhelm@ag.tamu.edu>]  
Sent: Tuesday, October 06, 2009 4:59 PM  
To: Bill L Rooney  
Cc: Sonnie Feagley  
Subject: last years Cropping Systems money

Afternoon Dr. Rooney,

You had many many blanket travel P.O.'s on this account that were established last September. I had to release them because they cannot be used for travel after 9-1-09. So you now have an unspent balance in this account of \$9169. I suggest that you do not use blanket P.O.'s for this very reason. As a rule we stopped doing that several years ago.

**From:** [Bill Rooney](#)  
**To:** ["George L Hodnett"](#)  
**Subject:** RE: Lunch for helpers  
**Date:** Thursday, October 08, 2009 4:00:55 AM

---

George:

Difficult to do so. The best way is to get it preapproved from the main office and then use our ProCard. Let me ask when I return.

Bill

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

From: George L Hodnett [<mailto:ghodnett@ag.tamu.edu>]  
Sent: Wednesday, October 07, 2009 9:01 AM  
To: wlr@tamu.edu  
Subject: Lunch for helpers

Bill,

I would like to provide a lunch as a thankyou for Dr. Stelly's crew who helped clean up the lab. How do I do that?

George

**From:** [Bill Rooney](#)  
**To:** ["John Mullet"](#)  
**Subject:** RE: AGENDA Chevron/AgriLife Quarterly Review in Weslaco  
**Date:** Thursday, October 08, 2009 4:01:32 AM

---

I'll visit with you on Monday when I return.

Bill

---

**From:** John Mullet [mailto:jmullet@tamu.edu]  
**Sent:** Wednesday, October 07, 2009 11:44 AM  
**To:** Bill Rooney  
**Subject:** Re: AGENDA Chevron/AgriLife Quarterly Review in Weslaco

Thanks Bill, I will be attending and arrive in time Thursday for the ppt. Any relevant information would be helpful.

John

On Oct 7, 2009, at 11:35 AM, Bill Rooney wrote:

Shay:

There's no way I can be in Weslaco in time for presentations on Thursday, so I'll likely not make the trip.

I think that John is confirmed for that trip so I'll convey any pertinent information to him.

Regards,

Bill

---

**From:** Simpson, Shay [mailto:[shay-simpson@tamu.edu](mailto:shay-simpson@tamu.edu)]  
**Sent:** Tuesday, October 06, 2009 6:37 PM  
**To:** Bill Rooney  
**Subject:** FW: AGENDA Chevron/AgriLife Quarterly Review in Weslaco

Bill:

I don't know if you ever made plans to go to Weslaco for the quarterly review with Chevron. We were not able to adjust the schedule to have the review part on Friday. You are still very welcome to come down after your classes on Thursday and be with the group for the dinner that night and Friday during the tour of sugar cane harvest and the mill. There will still be plenty of opportunity for you to have discussions. The current plan is to have 2 vans transporting all of the group from place to place, BUT Mike is trying to find a bus so we are all together and you could use the microphone to make an "on-the-go" presentation.

Let me know if you want to go. I know you're traveling a lot, so understand if you miss it this time.

Thanks,  
Shay



Shay L. Simpson  
Associate Director, Corporate Relations  
Texas AgriLife Research  
Centeq Building 100D  
979-845-6315 Office  
979-571-3137 Mobile  
[shay-simpson@tamu.edu](mailto:shay-simpson@tamu.edu)

---

**From:** Simpson, Shay  
**Sent:** Tuesday, October 06, 2009 6:27 PM  
**To:** Long, Michelle Y. (YLON) (MYLong); Jones, Doug M  
**Cc:** Gould Mike; 'John Mullet'; El-Hout Nael; 'Erik Mirkov'; John Jifon; Ted Wilson ([lt-wilson@tamu.edu](mailto:lt-wilson@tamu.edu)); Paul Baumann ([p-baumann@tamu.edu](mailto:p-baumann@tamu.edu)); Bill Rooney; McCutchen, Bill; Avant, Bob; Helms, Adam; Nelson, Michelle; Zak, Kendra; Travis Miller; Alex Thomasson; McCutchen, Bill; Slovacek, Jackie; Baltensperger, David; '[tmaldonado@tamu.edu](mailto:tmaldonado@tamu.edu)'  
**Subject:** AGENDA Chevron/AgriLife Quarterly Review in Weslaco

Michelle and Doug:

Please find attached the close-to-final agenda and attendee list for our meeting in Weslaco next week. Please forward to your team and Curt and Paul. Note that the dress is casual with work shoes as we will be in the fields and in agricultural processing plants both days.

If you have any suggested changes to the schedule, please forward them.

Mike Gould's team will be forwarding a written report soon.

Thanks,  
Shay

Shay L. Simpson  
Associate Director, Corporate Relations  
Texas AgriLife Research  
Centeq Building 100D  
979-845-6315 Office  
979-571-3137 Mobile  
[shay-simpson@tamu.edu](mailto:shay-simpson@tamu.edu)

**From:** [Bill Rooney](#)  
**To:** ["Slovacek, Jackie"](#)  
**Cc:** ["Mullet, John E."](#)  
**Subject:** RE: Confidential  
**Date:** Thursday, October 08, 2009 4:02:20 AM

---

Wednesday, November 4th is the best for me.

Bill

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

From: Slovacek, Jackie [<mailto:j-slovacek@tamu.edu>]  
Sent: Wednesday, October 07, 2009 11:43 AM  
To: Bill Rooney  
Cc: Mullet, John E.  
Subject: RE: Confidential

I checked with Bill Mc and he says the first week of November is okay.  
We are available November 4-5th from 11-1:00 pm. Let me know if either day work for you guys.

Thanks  
Jackie

Jackie Slovacek  
Assistant to the Associate Director  
Texas AgriLife Research  
113 Jack K Williams Administration Bldg  
College Station, Texas 77843-2142

979.845.7980  
979.458.4765 Fax

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]  
Sent: Wednesday, October 07, 2009 11:39 AM  
To: Slovacek, Jackie  
Cc: Mullet, John E.  
Subject: RE: Confidential

Jackie:

I've got plenty to do next week when I return, but if we need to meet next week, then I can make the Tuesday time.

However, I Bill Mc is willing to wait, the first week of November is good (later in the week).

Regards,  
bill

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

From: Slovacek, Jackie [<mailto:j-slovacek@tamu.edu>]  
Sent: Tuesday, October 06, 2009 4:17 PM  
To: Mullet, John E.  
Cc: Bill Rooney

Subject: RE: Confidential

I wonder if this lunch can wait until the first week of November? What do you guys think? Bill Mc is out the last week in October.

I will wait to hear from Rooney.

Jackie

Jackie Slovacek  
Assistant to the Associate Director  
Texas AgriLife Research  
113 Jack K Williams Administration Bldg  
College Station, Texas 77843-2142

979.845.7980  
979.458.4765 Fax

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

From: John Mullet [<mailto:jmullet@tamu.edu>]  
Sent: Tuesday, October 06, 2009 4:10 PM  
To: Slovacek, Jackie  
Cc: Bill Rooney  
Subject: Re: Confidential  
Importance: High

Jackie,

I will be tied up through the end of next week getting the DARPA project done and then heading to the Chevron meeting Wed-Friday next week.

Need to check Bill Rooney's schedule because he is traveling a lot right now.

John

On Oct 6, 2009, at 3:31 PM, Slovacek, Jackie wrote:

> See email below:  
>  
> Bill Mc is available next week for a two hour lunch on Monday, Oct  
> 12th  
> 11-1 pm, or Tuesday, Oct 13th 11-1 pm.  
>  
> Please let me know if either of these days work for you.  
>  
> Thanks  
> Jackie  
>  
>  
>  
> -----Original Message-----  
> From: McCutchen, Bill  
> Sent: Monday, October 05, 2009 6:18 PM  
> To: Slovacek, Jackie  
> Subject: Fw: Confidential  
>  
> Can you set a 2hr of campus lunch with Bill and John please?  
>

> Bill  
>  
> ----- Original Message -----  
> From: Bill Rooney <wlr@tamu.edu>  
> To: McCutchen, Bill; Mullet, John E.  
> Sent: Sat Oct 03 08:26:59 2009  
> Subject: RE: Confidential  
>  
> Bill, I'd be happy to discuss integration into the research  
> programs.....  
>  
> Bill r.  
>  
> -----Original Message-----  
> From: McCutchen, Bill [<mailto:bmccutchen@tamu.edu>]  
> Sent: Saturday, October 03, 2009 8:01 AM  
> To: wlr@tamu.edu; Mullet, John E.  
> Subject: Confidential  
>  
> Bill and John,  
>  
> First I want to say thanks for your leadership and guidance not only  
> for  
> DARPA, but the significant accomplishments that you have achieved in  
> bioenergy over the years. It has been challenging and imperfect,  
> but it  
> has been fun and rewarding.  
>  
> IF we are successful in securing the DARPA funding, could I ask you to  
> consider funding a graduate student that might focus on the  
> potential to  
> transfer insect, herbicide and/or disease traits from sorghum to  
> sorcane? I would also like to ask you a favor and allow me to engage  
> and provide oversight of this student that would be an student  
> appointment in one or both of your labs.  
>  
> If you possible, I would like to discuss in person with both of you.  
>  
> Thanks for considering.  
>  
> Bill  
>

**From:** [Bill Rooney](#)  
**To:** ["Selahattin Aydin"](#)  
**Subject:** RE: Visit from Namik Kemal University, Turkey  
**Date:** Thursday, October 08, 2009 4:04:01 AM

---

Selahattin:

I will not be in College Station during that time and thus I cannot meet with the group.

I assume that they are meeting with others on campus.

Regards,

Bill

---

**From:** Selahattin Aydin [mailto:saydin571@gmail.com]  
**Sent:** Wednesday, October 07, 2009 1:40 PM  
**To:** cwsmith@tamu.edu; Bill Rooney  
**Subject:** Visit from Namik Kemal University, Turkey

Dear Dr. Smith and Dr. Rooney,

I hope you are doing well, and having good time with your loving ones.

The reason I am writing this e-mail is that one group (President of Namik Kemal Uni., Dean of Engineering Faculty, and one assistant prof from Biology Dept) is going to visit TAMU, and Texas Tech in October, 2009.

I kindly would like to ask you a convenient time for meeting with this group.  
If you have an available time on Oct. 27th, 2009 or Oct. 30th, 2009, please let me know.

Prof. Dr. Nizameddin Senkoylu President of Namik Kemal Uni.  
Prof Dr. Oguzhan Cicekoglu Dean of Engineering Faculty of Namik Kemal Uni.  
Asst. Prof Dr.Ozden Cobanoglu Faculty of Biology Dept.

I look forward to hearing from you. If you have any question, please let me know, best regards...

Selahattin Aydin

**From:** [Bill Rooney](#)  
**To:** ["Avant, Bob"](#); ["Juerg Blumenthal"](#)  
**Cc:** ["Adam Helms"](#); ["McCutchen, Bill"](#); ["Mullet, John E."](#); ["Steve Searcy"](#); ["Baltensperger, David"](#)  
**Subject:** RE: DARPA project  
**Date:** Thursday, October 08, 2009 4:19:15 PM

---

Bob, Jurg et al:

Between Bob's contacts and contacts that I have on Hawaii, I think we can get the work done. Given the time and situation, I think we have to make some assumptions that we will get the work done and not be particular on whom we will be working with.

I am a little more concerned regarding the lack of interest from Ceres in participating. It seems to me that this would be an excellent opportunity to enhance their testing and with a little extra funding. Seems odd to me.... Regardless, we need to make sure that they are onboard as a commercial partner.

I'll get the contacts when I get back to College Station on Monday.

Regards,

Bill

---

**From:** Avant, Bob [mailto:[bavant@tamu.edu](mailto:bavant@tamu.edu)]  
**Sent:** Thursday, October 08, 2009 2:05 PM  
**To:** Juerg Blumenthal  
**Cc:** Adam Helms; McCutchen, Bill; Mullet, John E.; Steve Searcy; Bill L Rooney; Baltensperger, David  
**Subject:** Re: DARPA project

I have contacts with Hawaii Bioenergy. They own 400000 acres on several islands, but we don't have time to engage now. Need to make some assumptions now

Sent from my iPhone

On Oct 8, 2009, at 11:53 AM, "Juerg Blumenthal" <[jblumenthal@ag.tamu.edu](mailto:jblumenthal@ag.tamu.edu)> wrote:

All,

We can obviously take care of College Station and it should be rather easy to take care of Pecos if Mike Foster is interested in the project. As far as Hawaii I am somewhat at a loss. I do not have any contacts there and we need somebody to commit to the work. Any suggestions?

Juerg Blumenthal

Sent from my iPhone

On Oct 8, 2009, at 12:13 PM, "Avant, Bob" <[bavant@tamu.edu](mailto:bavant@tamu.edu)> wrote:

Thanks Juerg,

We need to discuss. Testing must be conducted at 3 DOD strategic locations - - probably CS, Hawaii, Pecos

Their interest is jet fuel production from biomass probably using FT tech.

Sent from my iPhone

On Oct 8, 2009, at 9:21 AM, "Juerg Blumenthal"  
<[JBlumenthal@ag.tamu.edu](mailto:JBlumenthal@ag.tamu.edu)> wrote:

All,

If Ceres really does not want to do the testing, one strategy could be to run the thing through my shop at crop testing. We currently run similar projects. My suggestion would be as follows:

For this project I would need the collaboration of Brent Bean at Amarillo and Nael El-Hout at Weslaco. I will contact them as soon as a definite approach is decided on.

Tasks to the investigators:

Blumenthal: trials at 2 environments (years 1+2) and 3 environments (years 3-5) in central and east Texas, gathering of entries, packaging seed for all locations, coordinating reporting; (40% of funding).

Bean: trials at 2 environments (years 1+2) and 3 environments (years 3-5) in the Texas High Plains; (30% of funding)

El-Hout: trials at 2 environments (years 1+2) and 3 environments (years 3-5) in the Rio Grande Valley and the Coastal Bend. (30% of the funding)

Keep me posted about your thoughts and the progress of the situation.

Jürg Blumenthal

Jürg M. Blumenthal, Ph.D.  
Associate Professor  
State Sorghum Cropping Systems Specialist  
Soil & Crop Sciences Department  
Texas A & M University  
351c Heep Center  
Mailstop 2474  
College Station, TX 77843-2474

Phone: (979) 845-2935  
Fax: (979) 845-0604

>>> "Avant, Bob" <[bavant@tamu.edu](mailto:bavant@tamu.edu)> 10/8/2009 09:56 >>>

CONFIDENTIAL

It looks like Ceres may not want to take on Task 1. As Plan B we need to prepare an approach where we conduct the trialing - - ASAP.

Bob Avant  
Program Director  
Texas AgriLife Research  
979/845-2908  
512/422-6171 (Cell)  
[bavant@tamu.edu](mailto:bavant@tamu.edu)  
<http://agbioenergy.tamu.edu>

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

From: Avant, Bob  
Sent: Thursday, October 08, 2009 9:53 AM  
To: 'Walter Nelson'  
Subject: RE: DARPA project

Thanks Walter,

I'll watch for your call and step out of meeting.

Bob Avant  
Program Director  
Texas AgriLife Research  
979/845-2908  
512/422-6171 (Cell)  
[bavant@tamu.edu](mailto:bavant@tamu.edu)  
<http://agbioenergy.tamu.edu>

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

From: Walter Nelson [<mailto:wnelson@ceres.net>]  
Sent: Thursday, October 08, 2009 6:21 AM  
To: Avant, Bob  
Subject: DARPA project

Bob,

Didn't get to followup with everyone here till late last night and then had to go to dinner with family. Leave for Austin on 6:50am flight this morning so won't be avail by phone till about 9:30 your time in San Diego.

Had discussions around ideas we discussed and our current position would still prefer A&M handle the research proposal trialing with language saying Ceres will negotiate with DARPA for commercial access to materials as preferred customer etc....

Also spoke to Richard briefly last night and am keen to try to find a solution that will work well for all. Intend to discuss with McCutchin



tomorrow at lunch.

Will try reaching during my drive from Austin to College Station.

Walter

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

From: Avant, Bob [<mailto:bavant@tamu.edu>]

Sent: Tuesday, October 06, 2009 7:56 PM

To: Helms, Adam

Cc: [wlr@tamu.edu](mailto:wlr@tamu.edu); [stelly@tamu.edu](mailto:stelly@tamu.edu); Mullet, John E.;

[ssearcy@tamu.edu](mailto:ssearcy@tamu.edu);

[jwrichardson@tamu.edu](mailto:jwrichardson@tamu.edu); [jmgould@ag.tamu.edu](mailto:jmgould@ag.tamu.edu); [pklein@tamu.edu](mailto:pklein@tamu.edu);

Russell

Jessup; [thomasson@tamu.edu](mailto:thomasson@tamu.edu); Nael El-Hout; Walter Nelson; Juerg

Blumenthal; Simpson, Shay; Spurlin, Shayna; Nelson, Michelle;

Bridges,

Brenda; McCutchen, Bill

Subject: Re: Highest Priority: DARPA Energy Crops

Thanks Adam

This is presented well and the changes are essential. I would reiterate the importance of receiving the changes by COB Thursday.

PI's please take care to follow a consistent format so we can avoid major reformatting. Please call if you have questions.

In addition to these changes, we will need to redo the milestones document, redo the Gantt chart, prepare the PPT.  
Sent from my iPhone

On Oct 6, 2009, at 9:17 PM, "Helms, Adam"

<[ahelms@dsmail.tamu.edu](mailto:ahelms@dsmail.tamu.edu)>

wrote:

> Good evening:

>

>

>

> Today we met with Dr. Giroir and he gave us some advice for moving

> forward with the DARPA-Energy Crops Proposal. Perhaps the most

> relevant was how we proceed with the Milestones & Deliverables

> document and the discussion of the Milestone vs. Deliverable vs.

> Metric and how DARPA likes these presented - whether for the entire

> project, per goal or per task. Bob, Shay and I had a lengthy discus

> sion about this very topic when we returned and how we felt it shoul

> d best be presented.

>

>

- >
- > First, for each goal there is one deliverable with quantifiable
- > metrics. For example, below are the "over-arching" goals,
- > deliverables and metrics for this project -
- >
- >
- >
- > Goal 1: Grow and optimize production of current energy sorghum
- > hybrids at sites of importance to national security.
- >
- > Deliverable: Energy sorghum production maximized in locations
- of
- > national security importance using optimized management
- practices,
- > harvest logistics, and economic assessment.
- >
- > Metric: 10-15 dry tons of lignocellulosic biomass produced per
- acre
- >
- > per year delivered to biorefineries at ~\$60/dT providing a ~75%
- GHG
- >
- > offset for biofuels or ~95% for biopower
- >
- >
- >
- > Goal 2: Build a full-scale integrated genomics-to-breeding
- > technology platform that will accelerate the rate of genetic
- > improvement of energy sorghum and wide-hybrids.
- >
- > Deliverable: Energy sorghum hybrids with increased yield and
- > optimized composition for advanced biofuels and biopower
- generation
- >
- > designed using an integrated genomics-to-energy crop breeding
- > technology platform.
- >
- > Metric: Improve energy crop yield to 15-20 dT/acre and
- >
- > optimize biomass composition for conversion processes.
- >
- >
- >
- > Goal 3: Develop next generation energy crops using novel wide
- > hybridization technology that enables sorghum to be crossed with
- > energy cane and other energy grasses.
- >
- > Deliverable: Novel wide-hybrid energy crops propagated
- > vegetatively and/or through seed production and an understanding
- of
- >
- > the genetic basis of wide hybridization.
- >
- > Metric: Development of the mass-production of hybrid seed from
- > crosses with energy canes. 25-90+% cost reduction for planting
- > energy canes. A suite of newly created next-generation energy
- > grasses for advanced biofuels and biopower generation in diverse

> agricultural and climatic conditions.  
>  
>  
>  
>  
>  
>  
> To move forward with the process to submit another iteration to  
> DARPA, we need the following:  
>  
> 1. Milestones and Deliverables document that reflects the  
> narrative. At present, there is not a consistency between the "work  
  
> plan" presented per task in the narrative to the Milestones and Del  
  
> iverables document. I have attached an example  
"Narrative\_MDexample  
  
> " from John Mullet's Task 2.1. Review the example to see if your  
> task and milestones/deliverables are similar. Please use this forma  
  
> t and note that in the Milestones and Documents example, the  
specifi  
  
> c milestones are more specific than in the narrative.  
>  
>  
>  
>  
>  
>  
> 2. For each task you are assigned, we need 18 month and 36  
month  
  
> "Go/No Go" quantifiable metrics. These "Go/No Go"  
> quantifiable metrics are what DARPA will use to determine if we  
are  
  
> funded for the next 18 months and the last 24 months. I realize tha  
  
> t this puts everyone into the middle of a year of research, but plea  
  
> se remember, we don't want yearly reviews from DARPA, so every  
18 mo  
  
> nths will suffice. Additionally, it will not kill the project if th  
  
> e metric isn't obtained. If your goal is to improve efficiency 50%,  
  
> and you only achieve 40% then that is ok, DARPA understands  
this is  
  
> still research.  
>  
>  
>  
>  
> For example:  
>  
>

>  
> Task 2.1 (which is Goal 2 Task 1) - State the objective  
>  
>       Milestones  
>  
>               Deliverables  
>  
>                       18 month and 36 month  
> quantifiable metrics  
>  
>  
>  
> The 60 month metrics could be the 3 overarching metrics listed  
above  
  
> - the reason those 3 were achieved were because of the attainment  
of  
  
> many metrics per goal and per task.  
>  
>  
>  
>  
>  
>  
> 3. We need this by close of business Thursday. I know it is a  
> short turn around, but for the most part, it is only simple  
> formatting.  
>  
>  
>  
>  
>  
> Thanks, and as always, please contact me at your earliest  
> convenience if you have any questions/comments.  
>  
>  
>  
> Best,  
>  
>  
>  
> Adam  
>  
>  
>  
> Adam Helms  
>  
> AgriLife Research Corporate Relations  
>  
> 979-255-0752 (mobile)  
>  
> 979-458-2677 (office)  
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> <DARPA MILESTONES AND DELIVERABLES\_Master.doc>

> <Narrative\_MD example.doc>

**From:** [Bill Rooney](#)  
**To:** ["Tim Trop"](#)  
**Subject:** RE: Maui biofuel project  
**Date:** Thursday, October 08, 2009 4:28:17 PM

---

Tim:

#### Questions to ask

1. Why is it too rocky for grain sorghum?
  - a. Too difficult to plant?
  - b. Fertility/watering an issue?
  - c. Harvest? (If so, how is the harvest done?)
2. What is grown there? (ie, what is the soil not too rocky for?)
3. Have you ever grown grain sorghum on this land before? (NOT SWEET or FORAGE SORGHUM!)
4. IF the answer to 3 is yes, please provide a list of the hybrids, the agronomic conditions and the agronomic production information.

If you can get answers to those questions, then I can give you some specific insight.

If there are not any answers to those questions, then the only way to start is to actually have a look at the location and get a soil and water analysis done. THEN start testing.

As I said before, I have a difficult time understanding without specific information, why on earth it is not too rocky to cultivate, but it is too rocky to grown grain sorghum. Those two statements by themselves don't make a lot of sense.....(in my experience). There has to be another scientific explanation or it is not valid.

Regards,

Bill

---

**From:** Tim Trop [mailto:[tntrop@tphm.com](mailto:tntrop@tphm.com)]  
**Sent:** Thursday, October 08, 2009 11:26 AM  
**To:** Bill Rooney  
**Subject:** Maui biofuel project

Bill

The landowner on Maui, HCS, has us persuaded that the rockiness of some fields may well be a problem for growing grain sorghum. We are meeting today with HARC at HCS's suggestion to do field trials. They already have stations in place on HCS property. Also they have done tests there on sweet sorghum . So now I need to figure out how to analyze whether a major portion of the 35000 acres is too rocky for sorghum. I would like your input on how to proceed. We also have an issue with topography and use of center pivot irrigation.

Tim Trop

**From:** [Bill Rooney](#)  
**To:** ["Kathy Ferguson"](#)  
**Subject:** RE: Visiting Student - Jacki Langlois  
**Date:** Thursday, October 08, 2009 4:29:41 PM

---

Kathy:

I'll be out on Friday. Bill

---

**From:** Kathy Ferguson [mailto:KFerguson@ag.tamu.edu]  
**Sent:** Thursday, October 08, 2009 8:17 AM  
**To:** Amir M Ibrahim; Don Vietor; Juerg Blumenthal; Joe Cothren; Steve Hague; Dirk Hays; Seth C. Murray; Hong Bin Zhang; Harry Cralle; James L Heilman; Kevin McInnes; Keerti Rathore; Russell Jessup; Scott Finlayson; Dave Stelly; Bill L Rooney  
**Cc:** David Baltensperger; C. Wayne Smith; Travis Miller  
**Subject:** Fwd: Visiting Student - Jacki Langlois

We realize the week thus far has been rather hectic with the Memorial to Dr. Borlaug, Dr. Swaminathan's visit to the department as well as our visitors from Mexico... So we wanted to remind you of Jacki Langlois visit tomorrow. I have heard from several of you either to select a time or to let us know you would not be in the office on Friday (see itinerary below with respondents).

If you haven't contacted us, please review the itinerary below and let me know what time you would like to meet with Jacki and where, as you can see we have a number of open times available. Please do so by **noon today** so that we can finalize her itinerary.

Thank you!  
Kathy

>>> Kathy Ferguson 10/6/2009 3:28 PM >>>

Jacki Langlois will be visiting our campus on Friday, October 9th at 9:00 am. She is a graduate student at Oklahoma State and will be graduating in May 2010. She is interested in our Plant Breeding and Agronomy programs. We would like to have her tour the department and visit with faculty, for about 30 minutes each. We appreciate your willingness to visit with Jacki on such short notice.

Here is our tentative schedule, please let me know your first and second choice of a time and where you want to meet with her (i.e. your office or your lab or elsewhere) Heep 437 will be available if needed, please let me know if you want to use that room.

#### **October 9th**

9:00 am - **Wayne Smith - Heep 217**

9:30 am

10:00 am - **Hongbin Zhang - Heep 427A**

10:30 am

11:00 am - **Steve Hague - Heep 217 Conference room**

11:30 am

12:00 pm - **PLBR / Genetics Circle Lunch**

1:00 pm

1:30 pm

2:00 pm

2:30 pm

3:00 pm

3:30 pm - **Scott Finlayson - Heep 220B**

4:00 pm - **wrap up - Wayne Smith - Heep 217**

We sure appreciate your speedy response! Thanks!  
Kathy

Make it a GREAT day!

***Kathy Ferguson***

Senior Office Associate

Soil & Crop Sciences | Instruction Programs

MEPS | Instruction Programs

Texas A&M University

TAMU 2474

Heep Center, Rm 217

Phone: 979-845-4620 | MEPS: 979-845-0532 | Fax: 979-458-0533

"Learning is ever in the freshness of its youth, even for the old." Aeschylus



**From:** [Bill Rooney](#)  
**To:** [ghodnett@ag.tamu.edu](mailto:ghodnett@ag.tamu.edu)  
**Subject:** inspection 955  
**Date:** Friday, October 09, 2009 1:48:36 AM

---

Is 955 your greenhouse (or is it my half greenhouse)?

If it is yours, and it is now clean, we can respond immediately. In that case, write what is needed and we'll get it taken care of immediately. If not yours, let me know and I'll deal with it.

Bill

**From:** [Bill Rooney](#)  
**To:** ["MEHTA, PUSHPAK JAWERCHAND \[AG/1000\]"](#)  
**Subject:** RE: World Food Prize - future  
**Date:** Friday, October 09, 2009 1:52:56 AM

---

Pushpak:

It's great to see you little girl is growing; they grow very fast so enjoy it.

Will is flying to Des Moines for the meeting with a group from his old High School. I'm not attending as I will be leaving for Indonesia on Oct 18 for a two week meeting/review.

Karen retired last month (quickly) and I haven't had time to notify everyone. Delroy and I (and the rest of the crew that you would not know anymore are doing fine).

Best regards,

Bill

---

**From:** MEHTA, PUSHPAK JAWERCHAND [AG/1000] [mailto:pushpak.jawerchand.mehta@monsanto.com]

**Sent:** Thursday, October 08, 2009 12:54 PM

**To:** wlr@tamu.edu

**Subject:** World Food Prize - future

A friend, from College Station days, is getting married in Austin and that got me to think how Will, David and Pistachio guy Travis must have grown up... not sure if I am coming for the wedding. I wouldn't have recognized Will except for the last name and location!

Terrific achievement. He is on his way to become a world citizen. He is probably going to Des Moines then? This would be the first year, since I started with Monsanto that I am not planning to go to WFP. If you all are driving, please go by St Louis and see us Dr Rooney.

Hope all is well with you and Megan. Our little one has started walking and is ready to fly...



William Rooney  
College Station, TX  
[The WorldFish Center](#) in Abbassa, EGYPT

Thank you and have a great day,

Pushpak Mehta

O. 1 314 694 2166

C. 1 309 255 5691  
R. 1 314 569 5956

Please turn off your monitor, hibernate your computer when not in use.  
Computers, cell phones and accompanying widgets account for same amount of emissions as the Aviation industry.

[http://www.economist.com/world/international/displayStory.cfm?story\\_id=14297036](http://www.economist.com/world/international/displayStory.cfm?story_id=14297036)

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**From:** [Bill Rooney](#)  
**To:** ["Lindra G Blum"](#)  
**Subject:** RE: Approval  
**Date:** Friday, October 09, 2009 1:55:02 AM

---

Lindra:

I approve. Use the accounts you've been using previously.

Regards,

Bill

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

From: Lindra G Blum [<mailto:lg-blum@tamu.edu>]  
Sent: Thursday, October 08, 2009 10:35 AM  
To: Bill L Rooney  
Subject: Approval

This takes the place of the Stamp on the Invoice.

Vendor:            Transportation

Purchase Order :

Received    Date (This is the date you received the Item(s))    09/30/09

Account to use.

Order .            Complete    or    Partial:

Amount: (s)            \$72.63            \$45.53    \$158.69 & \$47.54

Approved for Payment:

**From:** [Bill Rooney](#)  
**To:** ["Bartek, Matthew Scott"](#)  
**Subject:** RE: Brazil study abroad  
**Date:** Friday, October 09, 2009 2:01:01 AM

---

Matt:

Looks like a good opportunity. We can pay tuition/fees on the credit hours, but we can pay for the cost of the trip. If they don't cover it, I assume that you can?

Regards,  
Bill

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

From: Bartek, Matthew Scott [<mailto:mbartek@neo.tamu.edu>]  
Sent: Thursday, October 08, 2009 7:41 AM  
To: Bill Rooney  
Subject: Brazil study abroad

Dr. Rooney,

I was wanting to know if I could go on the Brazil study abroad trip with Dr. Feagly. It is from Jan. 1 through Jan. 18. I wanted to check before I applied but I just saw that the deadline is Oct. 9.

Matt

**From:** [Bill Rooney](#)  
**To:** ["Pam Wilhelm"](#)  
**Subject:** RE: last years Cropping Systems money  
**Date:** Friday, October 09, 2009 2:01:50 AM

---

Pam:

That makes total sense and I can work with that....

Bill

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

From: Pam Wilhelm [<mailto:PWilhelm@ag.tamu.edu>]  
Sent: Thursday, October 08, 2009 10:55 AM  
To: Bill L Rooney  
Cc: Lea Dell Morris; Carol Rhodes  
Subject: RE: last years Cropping Systems money

One more thing, I think you and I were talking about a different thing and Carol straightened me out. You do need to get a blanket authorization to travel for everyone. You do not have to have a blanket P.O. document in order to have a blanket authorization to travel.

>>> "Bill Rooney" <[wlr@tamu.edu](mailto:wlr@tamu.edu)> 10/8/2009 3:59 AM >>>  
Pam:

Understood, and didn't know we had that much money left. However, if we don't do a blanket, the number of requests will go up exponentially. How are we to handle that? Until we replace Karen, there is no way that we can.

After that, I would defer to the appropriate approach based on input from all (Karen's replacement, Lea Dell and you).

Thanks,

Bill

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

From: Pam Wilhelm [<mailto:PWilhelm@ag.tamu.edu>]  
Sent: Tuesday, October 06, 2009 4:59 PM  
To: Bill L Rooney  
Cc: Sonnie Feagley  
Subject: last years Cropping Systems money

Afternoon Dr. Rooney,

You had many many blanket travel P.O.'s on this account that were established last September. I had to release them because they cannot be used for travel after 9-1-09. So you now have an unspent balance in this account of \$9169. I suggest that you do not use blanket P.O.'s for this very reason. As a rule we stopped doing that several years ago.

**From:** [Bill Rooney](#)  
**To:** ["Tim Trop"](#)  
**Subject:** RE: Maui biofuel project  
**Date:** Friday, October 09, 2009 11:06:27 AM

---

Tim:

I'm booked solid pretty much through Thanksgiving. We'll have to talk about time for a visit.

I've sent Bob an e-mail pertaining to birds. Bottom line there are options.

Regards,

Bill

---

**From:** Tim Trop [mailto:[tntrop@tphm.com](mailto:tntrop@tphm.com)]  
**Sent:** Thursday, October 08, 2009 5:11 PM  
**To:** Bill Rooney  
**Subject:** Re: Maui biofuel project

When can you come to Maui ?

Ps bob osgood of harc will also contact you. He is very worried about birds

On Oct 8, 2009, at 11:28 AM, "Bill Rooney" <[wlr@tamu.edu](mailto:wlr@tamu.edu)> wrote:

Tim:

Questions to ask

1. Why is it too rocky for grain sorghum?
  - a. Too difficult to plant?
  - b. Fertility/watering an issue?
  - c. Harvest? (If so, how is the harvest done?)
2. What is grown there? (ie, what is the soil not too rocky for?)
3. Have you ever grown grain sorghum on this land before? (NOT SWEET or FORAGE SORGHUM!)
4. IF the answer to 3 is yes, please provide a list of the hybrids, the agronomic conditions

and the agronomic production information.

If you can get answers to those questions, then I can give you some specific insight. If there are not any answers to those questions, then the only way to start is to actually have a look at the location and get a soil and water analysis done. THEN start testing.

As I said before, I have a difficult time understanding without specific information, why on earth it is not too rocky to cultivate, but it is too rocky to grown grain sorghum. Those two statements by themselves don't make a lot of sense.....(in my experience). There has to be another scientific explanation or it is not valid.

Regards,

Bill

---

**From:** Tim Trop [mailto:tntrop@tphm.com]  
**Sent:** Thursday, October 08, 2009 11:26 AM  
**To:** Bill Rooney  
**Subject:** Maui biofuel project

Bill

The landowner on Maui, HCS, has us persuaded that the rockiness of some fields may well be a problem for growing grain sorghum. We are meeting today with HARC at HCS's suggestion to do field trials. They already have stations in place on HCS property. Also they have done tests there on sweet sorghum . So now I need to figure out how to analyze whether a major portion of the 35000 acres is too rocky for sorghum. I would like your input on how to proceed. We also have an issue with topography and use of center pivot irrigation.

Tim Trop



**From:** [Bill Rooney](#)  
**To:** ["Lavery, Cara"](#)  
**Subject:** RE: ROONEY: Please Approve 1-Pager  
**Date:** Friday, October 09, 2009 11:06:27 AM

---

Cara:

That looks fine. I'll have a quarterly to you early next week.

Regards,

Bill

---

**From:** Lavery, Cara [mailto:[cara.lavery@okstate.edu](mailto:cara.lavery@okstate.edu)]  
**Sent:** Thursday, October 08, 2009 8:41 AM  
**To:** Bill Rooney  
**Subject:** ROONEY: Please Approve 1-Pager

Good afternoon,

The US-DOT and Sun Grant National Office asked me to create "One Pagers" for each awarded project within the South Central region. As such, please review the attached PDF document. If there is anything you would like to see removed, added, or changed, please let me know.

If I don't hear from you by Friday, I will assume everything is okay and you approve it.

Thank you for taking the time to do this.

Cara

**Cara Lavery**

**Specialist, Sun Grant Initiative**

Oklahoma State University  
Division of Agriculture Sciences & Natural Resources  
214a Agricultural Hall  
Stillwater, OK 78078-6016  
Phone: (405) 744-3255  
Fax: (405) 744-6059  
E-Mail: [cara.lavery@okstate.edu](mailto:cara.lavery@okstate.edu)  
Website: <http://sungrant.okstate.edu>

**From:** [Bill Rooney](#)  
**To:** [tgieskes@stillwaterassociates.com](mailto:tgieskes@stillwaterassociates.com)  
**Cc:** [swhalen@harc-hspa.com](mailto:swhalen@harc-hspa.com); [RVOSGOOD@aol.com](mailto:RVOSGOOD@aol.com); "Tim Trop"  
**Subject:** RE: Stillwater proposal  
**Date:** Friday, October 09, 2009 11:06:27 AM

---

Mr. Gieskes:

Bob Osgood sent me a message indicating that you have a need for assessing land suitability for grain sorghum and experimentation plans for cooperative testing with HARC. I'm also somewhat familiar with your plans through Tim Trop.

Development of sorghum as a bioenergy crop takes up greater than ½ of my research time, so it is of importance to me. To that end, I would be interested in assessing the situation and working with HARC to explore the opportunities for grain sorghum on Hawaii.

I'd be happy to visit with either you or Tim further to develop a plan for further work. I'd like to visit with you, Tim or Bob (as appropriate) to develop a course of action and a timeline.

I'll be in the office all of next week (until Thursday) and as appropriate, please don't hesitate to contact me at the number below.

I look forward to hearing from you.

Regards,

Bill

Bill Rooney  
Professor  
Sorghum Breeding and Genetics  
Department of Soil & Crop Sciences  
Texas A&M University  
College Station, Tx 77843  
979 845 2151

---

**From:** [RVOSGOOD@aol.com](mailto:RVOSGOOD@aol.com) [mailto:[RVOSGOOD@aol.com](mailto:RVOSGOOD@aol.com)]  
**Sent:** Thursday, October 08, 2009 7:09 PM  
**To:** [wlr@tamu.edu](mailto:wlr@tamu.edu)  
**Cc:** [swhalen@harc-hspa.com](mailto:swhalen@harc-hspa.com)  
**Subject:** Stillwater proposal

Bill,

I am looking forward to meeting and working with you in Indonesia next week. Expect it to be a challenging project being so isolated.

I am writing now regarding a meeting held today at the Hawaii Agriculture Research Center (HARC). I

do occasional consulting at HARC and today was asked to participate in a meeting with Stillwater Associates and Plant Energy LLC. Attending for Stillwater were David Hackett, and Thomas Gieskes. For Plant Energy: Timothy Trop. Stephanie Whalen, the Executive Director of HARC and Lance Santo, HARC agronomist also attended. You may know that Mike Poteet has left HARC for another position, which is the reason I was asked to attend. We all signed non disclosure statements as I understand you have also.

Hawaiian Commercial and Sugar Co., located on Maui, suggested the meeting as they are the proposed site for a large grain sorghum /ethanol project. It was proposed by HC&S that HARC work with Stillwater to help design a testing program for GS. This would be a bit risky since no one at HARC has any experience with the crop. HARC could do the experimental work but would need help designing experiments and in determining which of the 40,000 acres at HC&S is suitable for sorghum. Some land is very stony and slopes may be too great for center pivot irrigation in other fields. Micro climates on the farm vary from low to high sunlight and are moderately rainy or very dry. Soils are quite variable too (molisols, oxisols, sand)

Your name came up as one who might be available to help with the experimental program including a visit to Hawaii to take a look at the situation. They (Stillwater) are not aware that we will be working together on the Indonesian project. Did not see any reason to disclose this at the meeting. If you are interested, suggest contacting Thomas Gieskes ([tgieskes@stillwaterassociates.com](mailto:tgieskes@stillwaterassociates.com)). The task would be to advise HARC on a sorghum research program centered around agronomic practice and variety testing. Stillwater would be the contractor)

Much of the discussion today was on problems with bird predation at planting and at harvest. Any small plot work we have done was seriously impacted by birds and not sure if this would carry over into large field plantings. Are there bird resistant cultivars?

I asked a lot of questions regarding why grain sorghum and not sweet sorghum. The main reason seems to be storability of the grain but probably other reasons not disclosed.

Are there disease resistant, high yielding varieties adapted to Hawaii conditions is my main question?

Since GS or SS have never been grown on any scale in Hawaii, I think there is a long learning curve and will be interested in your thoughts.

Bob Osgood

**From:** [Bill Rooney](#)  
**To:** [RVOSGOOD@aol.com](mailto:RVOSGOOD@aol.com)  
**Subject:** RE: Stillwater proposal  
**Date:** Friday, October 09, 2009 11:06:27 AM

---

You'll see my other e-mail....

As for birds, birds will always be a problem in small plots. They typically become less of a problem in larger acreages, but that varies from location to location. There are bird resistant types, but they come with some issues as well (which may not be issues, depending on the end use of the distillers grains).

Looking forward to meeting and working with you in Indonesia.

Regards,

Bill

---

**From:** RVOSGOOD@aol.com [mailto:RVOSGOOD@aol.com]  
**Sent:** Thursday, October 08, 2009 7:09 PM  
**To:** wlr@tamu.edu  
**Cc:** swhalen@harc-hspa.com  
**Subject:** Stillwater proposal

Bill,

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I am writing now regarding a meeting held today at the Hawaii Agriculture Research Center (HARC). I do occasional consulting at HARC and today was asked to participate in a meeting with Stillwater Associates and Plant Energy LLC. Attending for Stillwater were David Hackett, and Thomas Gieskes. For Plant Energy: Timothy Trop. Stephanie Whalen, the Executive Director of HARC and Lance Santo, HARC agronomist also attended. You may know that Mike Poteet has left HARC for another position, which is the reason I was asked to attend. We all signed non disclosure statements as I understand you have also.

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Are there disease resistant, high yielding varieties adapted to Hawaii conditions is my main question?

Since GS or SS have never been grown on any scale in Hawaii, I think there is a long learning curve and will be interested in your thoughts.

Bob Osgood

**From:** [Bill Rooney](#)  
**To:** ["Tim Trop"](#)  
**Subject:** RE: Bird Resistant Grain Sorghum  
**Date:** Friday, October 09, 2009 11:13:26 AM

---

Tim:

Some of the report is correct; some less so. Much of the questions and concerns have been considered in the past. While it is way too much to put in an e-mail right now, there is significant discussion to be had around the pros/cons of high tannin sorghums and they do offer the best options for bird avoidance (note I didn't say resistance)

Regards,

Bill

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

From: Tim Trop [<mailto:ttrop@tphm.com>]  
Sent: Friday, October 09, 2009 9:42 AM  
To: Bill Rooney  
Subject: FW: Bird Resistant Grain Sorghum

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

From: Thomas Gieskes [<mailto:tgieskes@organicfuels.com>]  
Sent: Friday, October 09, 2009 12:01 AM  
To: Tim Trop; Dave Hackett  
Subject: Bird Resistant Grain Sorghum

Gents,

First, let me thank you for the privilege of your company during our fact

finding mission this week. I thoroughly enjoyed it. Still sitting at the airport, I went back through my earlier downloads and links related to Sorghum, with a little more focus on bird resistance. The reports on high

tannin varieties are unanimous: birds will not touch high tannin sorghum.

The tannin is an issue when feeding the sorghum to cattle (it has to be harvested with a relatively high moisture content, dried and stored over a

certain length of time, whereby the tannin will slowly break down to make

the grain palatable. For our purposes, that is a non-issue.

It does make it necessary however to extend our crop tests into product testing as well. When we get the crops in from the test plots, there is an

additional test protocol that we will have to define: drying, milling, fermenting, etc., to determine the composition of the waste streams and the

quality of the DDGS derived from the BR sorghum.

There may be some proprietary and potentially patentable IP in the use of

very high tannin sorghum in arid environments to produce fuel ethanol (a non-edible crop, marginal lands, etc.), destruction of the tannins in

the  
fermentation and distillation of the ethanol to produce palatable DDGS  
for  
ruminants, etc.

Thomas

**From:** [Bill Rooney](#)  
**To:** ["David Hackett"](#)  
**Cc:** [tgieskes@stillwaterassociates.com](mailto:tgieskes@stillwaterassociates.com); [tntrop@tphm.com](mailto:tntrop@tphm.com)  
**Subject:** RE: Rocks on Maui  
**Date:** Friday, October 09, 2009 4:00:40 PM

---

The residue on the field appears to be cane. Is that correct? If so, how do they deal with rocks on sugarcane. The situation will be no worse with sorghum than it is with sugarcane.

There will likely need to be some modification of planter units, ie, sweep to remove rocks from the planting area. Also, you may not be able to harvest as low as normal. I'd also have to understand the Hawaiin concern to understand if it is a legitimate problem.

Regards,

Bill

---

**From:** David Hackett [<mailto:dhackett@pacbell.net>]  
**Sent:** Friday, October 09, 2009 11:12 AM  
**To:** [wlr@tamu.edu](mailto:wlr@tamu.edu)  
**Cc:** [tgieskes@stillwaterassociates.com](mailto:tgieskes@stillwaterassociates.com); [tntrop@tphm.com](mailto:tntrop@tphm.com)  
**Subject:** Rocks on Maui

Hi Bill,

Tim Trop asked me to send you these cell phone pictures I took on Maui on Monday. This is a recently plowed field. I took the pictures to illustrate the size and distribution of the rocks in a field that Lee Jakeway, HC&S' manager, had selected to represent a problem field from a rock perspective.

Best regards,

Dave Hackett



**From:** [Bill Rooney](#)  
**To:** ["Kathy Ferguson"](#)  
**Subject:** RE: Sugarcane Geneticist and Breeder - WESLACO candidate  
**Date:** Friday, October 09, 2009 4:07:20 PM

---

Kathy:

I'm open on the 14<sup>th</sup> and can meet with her at anytime. Please fit me in the schedule as appropriate and let me know.

Regards,

Bill

---

**From:** Kathy Ferguson [mailto:KFerguson@ag.tamu.edu]  
**Sent:** Friday, October 09, 2009 3:51 PM  
**To:** Amir M Ibrahim; Kevin Crosby; Martin Dickman; Steve Hague; Seth C Murray; Terry J Gentry; Dirk Hays; Frank Hons; Hong Bin Zhang; John E Mullet; Dave Stelly; Patricia Klein; Russell Jessup; Scott Finlayson; Bill L Rooney  
**Cc:** David Baltensperger; C. Wayne Smith; Judy Young  
**Subject:** Fwd: Sugarcane Geneticist and Breeder - WESLACO candidate

I received additional information so please see revised itinerary below! You will note Dr. Hale is flying out on the evening of October 14th, therefore there will be no meetings scheduled the following morning.

Once again, please reply as quickly as possible so we can finalize her itinerary.

Thanks,  
Kathy

>>> Kathy Ferguson 10/9/2009 3:26 PM >>>

Dr. Ana Hale, candidate for the Plant Geneticist position in Weslaco, is coming in next week, she will be in Weslaco on Monday and Tuesday, arriving here in College Station the afternoon of the 13th. We will be scheduling meetings for the following day (October 14th). I have set the meeting blocks in 30 minute increments, however, this is flexible.

We are only days away from Dr. Hale arriving. Please reply as quickly as possible.

Please review this schedule and let me know what is the best time for you, and where you would like to meet with Ana.

**October 13, 2009**

Arriving in College Station @ 4:14 pm Continental Flight CO 1520

Pick up at Airport & delivered to Hawthorn Suites:

Dinner Meeting:

**October 14, 2009**

7:00 am Breakfast Meeting - Wayne Smith (drop off at H.R. by 8:15 am)

9:15 am Pick up from H.R. by:  
(Deliver to Heep so she can prepare for her seminar)

11:00 am - possible tour of facilities (after seminar) by:

12:00 pm Lunch Meeting:

1:30 pm

2:00 pm

2:30 pm

3:00 pm

3:30 pm - Wrap up - David Baltensperger

4:00 pm - SCSC Seminar

5:00 pm - Dinner Meeting with:

6:00 pm - Deliver to Airport for departing flight at 7:15 pm by:

Thank you!  
Kathy

Make it a GREAT day!

*Kathy Ferguson*

Senior Office Associate

Soil & Crop Sciences | Instruction Programs

MEPS | Instruction Programs

Texas A&M University

TAMU 2474

Heep Center, Rm 217

Phone: 979-845-4620 | MEPS: 979-845-0532 | Fax: 979-458-0533

"Learning is ever in the freshness of its youth, even for the old." Aeschylus

**From:** [Bill Rooney](#)  
**To:** [turkeymanwill@gmail.com](mailto:turkeymanwill@gmail.com)  
**Subject:** hey, what"s happening  
**Date:** Friday, October 09, 2009 4:13:44 PM

---

Will:

Sorry – I haven't sent you any messages, but since you haven't sent us anything, I guess all is well.

Haven't been able to Skype because the wireless is out and too many people are trying to use the hardwire.

We'll call you from Dallas tomorrow evening (we arrive around 6:50 pm). We'll need a ride from the airport upon our arrival in CS (scheduled for 9:25 pm).

Be good,

Bill

**From:** [Bill Rooney](#)  
**To:** ["Walter Nelson"](#)  
**Subject:** RE: [REDACTED] PV winter 08-09 data  
**Date:** Saturday, October 10, 2009 11:11:07 PM

---

Walter:

The paragraph will be extremely vague on development but here goes. It is not vague on purpose; it is vague because I really don't know where it comes from. The designation that we have aren't meaningful and there is no PI number. The population and the line have been in our program since I got here; we've just finished the line and completed the testing of it. Hope it is of some use to you.

Bill

[REDACTED] was derived by selecting in a segregating population of unknown pedigree and origin. The population was part of the TAMU sorghum breeding program and it is assumed that it was created within the program. Upon growout of the population a diverse range of maturities (photoperiod sensitive and insensitive) were discovered; selection for various types was undertaken and inbred lines were derived that were photoperiod insensitive. Testcross evaluation of these lines identified those that produced photoperiod sensitive hybrids; [REDACTED] was among these lines. Additional testing of [REDACTED] revealed that it had high yield potential but had limited viability as a forage sorghum (only market at that time). Upon the development of the bioenergy breeding program, [REDACTED] was once again brought forward for testing and evaluation.

---

**From:** Walter Nelson [mailto:wnelson@ceres.net]  
**Sent:** Wednesday, September 30, 2009 7:02 PM  
**To:** Rooney, Bill  
**Subject:** FW: [REDACTED] PV winter 08-09 data

Bill,

Here is Joe's request for a paragraph or two describing the creation of [REDACTED]

Thanks!

W

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

**From:** Joseph Cahill  
**Sent:** Monday, September 28, 2009 8:51 AM  
**To:** Walter Nelson  
**Subject:** FW: [REDACTED] PV winter 08-09 data

Walter,

We still need a paragraph or two of description of how the variety was made, for PVP Exhibit A. Please ask Bill for it.

Thanks,  
Joe

---

**From:** Bill Rooney [mailto:wlr@tamu.edu]  
**Sent:** Tuesday, September 22, 2009 1:10 PM  
**To:** Walter Nelson  
**Subject:** RE: [REDACTED] PV winter 08-09 data

Walter:

Attached is the PVP document.

Besides the panicle and the grain color, the other distinctive character of this line is the amount and angle of side branch tillering once the line is past initial culm maturity. Compared to other sorghums, this line produces prolific nodal tillers that grow out at a lower angle than most nodal tillers. We can probably get some pics of this, but I'm sure that if you look you'll notice this characteristic as well.

anything else, just let me know.

regards,

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:** Walter Nelson [mailto:wnelson@ceres.net]  
**Sent:** Tuesday, September 22, 2009 7:10 AM  
**To:** Bill Rooney  
**Subject:** RE: [REDACTED] PV winter 08-09 data

Hi Bill,

Thanks for the plot maps yesterday. We had a good field visit and definitely saw the differences in expression between the hybrids. Will be interesting to see the data when it is ready.

Wanted to follow up on this PVP data (attached). Have you had a chance to review it and add any insights to knowledge about the lines and hybrids? Please note Joe's data request below for the types of specifics he is especially interested in.

The IP guys would like to get this ASAP as the filing deadline is in a few weeks.

Thanks!

W

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

**From:** Joseph Cahill  
**Sent:** Thursday, August 13, 2009 2:25 PM  
**To:** Walter Nelson  
**Cc:** Steven Bobzin; Mircea Achiriloaie

**Subject:** [REDACTED] PV winter 08-09 data

Walter,

Attached is the data Edgar collected in Puerto Vallarta for [REDACTED] As discussed, when forwarding to Bill, please stress that if he is aware of any traits that distinguish the variety beyond those listed, we would greatly appreciate such insight.

There are four files in total. Two to follow.

Yours truly,

Joe Cahill

**From:** [Bill Rooney](#)  
**To:** ["Rebecca Corn"](#)  
**Subject:** RE: seminar slides  
**Date:** Saturday, October 10, 2009 11:11:08 PM

---

Rebecca:

This is a pretty good set of slides. The only thing that I saw missing (and it isn't really missing) is details on the different testing/analysis you did for the different objectives. I don't think you need more slides, but you need to remember (some way) to mention that in your presentation.

Regards,

Bill

---

**From:** Rebecca Corn [mailto:[rcorn@neo.tamu.edu](mailto:rcorn@neo.tamu.edu)]  
**Sent:** Tuesday, October 06, 2009 2:10 PM  
**To:** 'Bill Rooney'  
**Subject:** seminar slides

Dr. Rooney,

I'm attaching my slides for my defense seminar.

Rebecca

**From:** [Bill Rooney](#)  
**To:** ["Nilesh Dighe"](#)  
**Subject:** FW: FMC Potential Partnership Meeting  
**Date:** Saturday, October 10, 2009 11:11:08 PM

---

Nilesh:

FYI, you will probably be asked to make our presentation for me. I'll work with you next week to get set up and confirm. It will be on October 20<sup>th</sup>.

Regards,

Bill

---

**From:** Zak, Kendra [mailto:kzak@tamu.edu]  
**Sent:** Tuesday, October 06, 2009 11:34 AM  
**To:** lrooney@tamu.edu; wlr@tamu.edu; Turner, Nancy; Lunt, David; Sawyer, Jason; Wickersham, Tryon A.; Simpson, Shay; Avant, Bob; smpall@yahoo.com; McCutchen, Bill; Helms, Adam; Spurlin, Shayna  
**Cc:** Slovacek, Jackie  
**Subject:** FMC Potential Partnership Meeting

All,

Todd McGee with FMC BioPolymer will be on campus at the Corporate Relations Conference Room in the Centeq building on Tuesday October 20<sup>th</sup> from 8-2pm. I have the conference line reserved for those off campus. Below are his interest. This could have significant sponsored research potential. Please make arrangements to attend. I will make individual contact on what topic areas you will need to discuss.

Please let me know your availability by tomorrow Wednesday October 7<sup>th</sup> at 5 pm. Ie: if you have a class that day I need to schedule around.

From Todd:

Where I would see next steps going, for example with sorghum, is to understand how we can extract from sorghum the fiber, minerals and protein and potentially supply it and some revised recipes for food companies. Might be very interesting for companies supplying things like muscle milks, meal replacement systems, gluten free baked goods, etc.

Only addition if not already part of it, would be to cover anything you know about nutrients in seaweeds (properties, potential health and nutrition benefits, extract-ability).

Fundamentally we supply food and nutraceutical ingredients and delivery systems, so anything that will help our customers add additional value to their products are a potential fit for us.

Thank you,

Kendra Zak  
Administrative Assistant  
AgriLife Corporate Relations  
1500 Research Pkwy Suite 100



College Station, TX 77845  
office: 979-845-4281  
cell: 512-304-5373  
fax: 979-458-2155  
[kzak@tamu.edu](mailto:kzak@tamu.edu)

**From:** [Bill Rooney](#)  
**To:** ["Donghai Wang"](#)  
**Subject:** RE: Acception of your paper  
**Date:** Saturday, October 10, 2009 11:11:08 PM

---

Thanks, Donghai

Remind of the Journal Name?

Bill

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

From: Donghai Wang [<mailto:dwang@ksu.edu>]  
Sent: Tuesday, October 06, 2009 10:57 AM  
To: Bill Rooney  
Subject: Re: Acception of your paper

Bill,

Attached is the latest version of our manuscript,

Best Regards,

Donghai,

Bill Rooney wrote:

> Donghai:  
>  
> Can you send me the citation on this manuscript (authors, title) so I can  
> add it to my documentation?  
>  
> Thanks,  
>  
> 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: Donghai Wang [<mailto:dwang@k-state.edu>]  
> Sent: Saturday, October 03, 2009 5:22 PM  
> To: Xiaorong Wu; Scott Staggenborg; Jianming Yu; Bill Rooney  
> Cc: Donghai Wang  
> Subject: Fwd: Acception of your paper  
>  
> All,  
>  
> Just want to let you know that our paper was accepted for publication  
> at Industrial Crops and Products(impact factor is about 2),  
>  
> Best Regards,  
>  
> Donghai,  
>  
>  
> ----- Forwarded Message -----  
> From: "Naceur Belgacem" <[Naceur.Belgacem@efpg.inpg.fr](mailto:Naceur.Belgacem@efpg.inpg.fr)>

> To: dwang@ksu.edu  
> Cc: "Naceur Belgacem" <Naceur.Belgacem@efpg.inpg.fr>  
> Sent: Saturday, October 3, 2009 2:04:23 PM GMT -05:00 US/Canada  
> Eastern  
> Subject: Your Submission  
>  
> Ms. Ref. No.: INDCRO-D-09-00376R1  
> Title: Features of Sweet Sorghum Juice and Their Performance in  
> Ethanol Fermentation Industrial Crops and Products  
>  
> Dear Dr D. Wang,  
>  
> I am pleased to inform you that your paper "Features of Sweet Sorghum  
> Juice and Their Performance in Ethanol Fermentation" has been accepted for  
> publication in Industrial Crops and Products.  
>  
> Thank you for submitting your work to Industrial Crops and Products.  
>  
> Yours sincerely,  
>  
> Naceur Mohamed Belgacem, PhD  
> Editor-in-Chief  
> Industrial Crops and Products  
>  
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>  
>  
>

--

Donghai Wang Ph.D.  
Associate Professor  
Biological & Agricultural Engineering  
150 Seaton Hall  
Kansas State University  
Manhattan, KS 66506  
Office: 785-532-2919  
Fax: 785-532-5825

**From:** [Bill Rooney](#)  
**To:** ["Rene Clara"](#)  
**Subject:** RE:  
**Date:** Saturday, October 10, 2009 11:11:08 PM

---

I approve – Have a safe trip.

Bill

---

**From:** Rene Clara [mailto:[reneclara@yahoo.com](mailto:reneclara@yahoo.com)]  
**Sent:** Wednesday, October 07, 2009 11:40 AM  
**To:** Bill Rooney  
**Subject:**

Dear Dr. Bill,

I am in contact with Ing. Julián Ramírez, ICTA Director manager and René Velásquez, PROSEMILLAS Director in Guatemala. We are planning to do a visit of pursuit to his plans of work in sorghum to observe the experimental varieties for forage (grain and forage) and the problems in the seed producción of the sorghum varieties.

I am programming this visit for the 27th, 28 and 29 of Octubre/09. I want to know if you approve it.

Regards,

**René Clará V.**  
INTSORMIL  
Host Regional Coordinator

CENTA, Apdo. Postal 885,  
San Salvador, El Salvador, C.A.  
Tel. (503) 2302 0239 - (503) 7815 2238 cel.  
Fax: (503) 2302 0239

E-mail: [reneclara@yahoo.com](mailto:reneclara@yahoo.com)

---

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**From:** [Bill Rooney](#)  
**To:** ["Joan Frederick"](#)  
**Subject:** RE: 2009-2010 US. Project Budgets  
**Date:** Saturday, October 10, 2009 11:11:08 PM

---

Joan:

I don't have pass thru funds.

The document went through TAMU Research Foundation when it was originally submitted this summer, so we should be good.

Regards,

Bill

---

**From:** Joan Frederick [mailto:jfrederi@unlnotes.unl.edu]  
**Sent:** Wednesday, October 07, 2009 2:00 PM  
**To:** wlr@tamu.edu  
**Subject:** 2009-2010 US. Project Budgets

Bill Rooney;

2009-2010 U.S. Project Funds:

I am starting to prepare the paperwork for the allocation of funds for the U.S. Projects. The budgets sent in August is what I have attached.

1. I want you to confirm you did **NOT** allocated any pass thru funds
2. I also ask you to confirm that the budget you submitted has gone through your accounting office to finalize. If not please do so and send me the final approved version.

Please respond as soon as you can, so we can prepare the paperwork for your award of funds. Questions? give me a call.

*(See attached file: Budget Template TAM 101.xls)(See attached file: DRAFT BUDGETS.xls)*

=====  
Joan Frederick  
INTSORMIL  
University of Nebraska  
114 BCH  
Lincoln NE 68583-0748  
402-472-7058  
jfrederick1@unl.edu

**From:** [Bill Rooney](#)  
**To:** "[Nilesh Dighe](#)"  
**Subject:** RE: Model for Grain  
**Date:** Saturday, October 10, 2009 11:11:08 PM

---

Nilesh:

Those look pretty good. The only question that I had involves the standard deviations which look rather high. Am I right, are they high? How does that affect accuracy and repeatability?

Bill

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

From: Nilesh Dighe [<mailto:nileshdighe@neo.tamu.edu>]  
Sent: Tuesday, October 06, 2009 8:45 AM  
To: Linda Dykes"lrooney  
Cc: Bill Rooney; Rooney, Lloyd W  
Subject: Model for Grain

Linda-

I just finished building models for the three grain-quality traits (Tannins, Total Phenols, & Anthocyanins) on the testing set that you had wet chemistry on. The preliminary data looks very promising. The R squares for all the three built models were above 95%. Please see the attached excel file for the detailed stats. The excel files also includes stat for Lab vs Predicted values. I am also attaching graphs for Lab vs Predicted values for the three traits.

Also attached is an excel file that includes codes for the samples used in the test.

Please let me know if you have any questions.

Nilesh

**From:** [Bill Rooney](#)  
**To:** ["Payne Burks"](#)  
**Subject:** RE: Sweet Stagger Analysis for Ceres  
**Date:** Saturday, October 10, 2009 11:11:08 PM

---

Thanks Payne

This looks quite good. As you'll note, I only sent the means to Ceres. You should retain the original data and ability to analyze.

Regards,  
bill

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

From: Burks, Payne [<mailto:payne11@neo.tamu.edu>]  
Sent: Wednesday, October 07, 2009 4:15 PM  
To: Bill Rooney  
Subject: Sweet Stagger Analysis for Ceres

Dr. Rooney,

This is all the data that I have collected this year from my test. I ran everything through SAS and collected the means. There is not an entry 11 because entry 9 and entry 11 were the same so I combined the two. Let me know if I missed any information that needs to be added to the output.

Thanks,

Payne

--

Payne Burks  
Plant Breeding Graduate Student  
Texas A&M University  
College Station, TX  
(254)-784-0127

**From:** [Bill Rooney](#)  
**To:** ["George L Hodnett"](#)  
**Subject:** RE: inspection 955  
**Date:** Saturday, October 10, 2009 11:11:08 PM

---

George:

You should have been copied on the original message (my mail indicated that you were). If you don't have it by Monday, let me know and I can find it.

Bill

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

From: George L Hodnett [<mailto:ghodnett@ag.tamu.edu>]  
Sent: Friday, October 09, 2009 11:40 AM  
To: Bill L Rooney  
Subject: Re: inspection 955

Bill,

955 is my greenhouse and it is clean. I don't know anything about an inspection of the greenhouse though. Can you fill me in?

With respect to what we need: a tank water shut off valve repaired, cooling pads replaced (some are falling apart), a metal lip placed at the bottom of the cooling pads to catch the water would help eliminate the algae growth on the cement floor, and we need to change the heater system from radiant heat to forced air. I cannot have my males near the heater when it is operating for obvious reasons. That limits the space we can use.

Regards,  
George

>>> "Bill Rooney" <[wlr@tamu.edu](mailto:wlr@tamu.edu)> 10/9/2009 1:48 AM >>>  
Is 955 your greenhouse (or is it my half greenhouse)?

If it is yours, and it is now clean, we can respond immediately. In that case, write what is needed and we'll get it taken care of immediately. If not yours, let me know and I'll deal with it.

Bill



**From:** [Bill Rooney](#)  
**To:** ["James Osborne"](#)  
**Cc:** [delroy@tamu.edu](#); [dustin\\_b82@yahoo.com](#)  
**Subject:** RE: 2009-2010 Puerto Rico Winter Nursery and Growout Service.  
**Date:** Saturday, October 10, 2009 11:11:08 PM

---

Jim:

I would like 300 plots arranged in 12 rows (6 beds) and 25 ranges. Plots 1 and 2 should be on the same bed, so I'll use 6 full beds only.

We'll get the seed to you before Nov 10.

Thanks for coordinating this again.

Regards,

Bill

---

**From:** James Osborne [mailto:kjo64@msn.com]  
**Sent:** Thursday, October 08, 2009 12:41 PM  
**To:** Dr. Bill Rooney; Dr. Cleve Franks; Dale Wimmer; [delroy@tamu.edu](#); Donnie Swink; Dr. Gary C Peterson; Dr. George Graef; Dr. Gebisa Ejeta; [kjo64@msn.com](#); Jerry; Jianming Yu; Prihoda, Karen L; Dr. Kassim Al-Khatib; Leslie L Korte; [mmolina@ksu.edu](#); Mitch Tuinstra; Nathan Boardman; Reba Cargile; sbrown; Shan Podduturi; Sharon E. Mitchell, Ph.D.; Stephen Kresovich; Tesfaye Tesso; Lemming, Terry R.; Mark Stelter  
**Subject:** 2009-2010 Puerto Rico Winter Nursery and Growout Service.

All,

It is that time of year again!

Crosbyton Seed Company will once again be offering the winter (Off Season) Nursery and Grow out planting Service in the Indios Valley of Puerto Rico. I will have you ship your seed to me here in Kansas, I will assemble it for nursery planting, then forward it to the Crosbyton Seed Company personnel in Puerto Rico. Once again because of family concerns I will not personally be planting again this year, however, the highly experienced employees who planted last season will be planting again this year.

Some points to remember or information for those of you that will be working with us for the first time:

PLEASE try and send your nurseries to me by November 10 so I can have them in planting order and in Puerto Rico for planting the week following Thanksgiving.

Package your seed in the 2 3/8" x 4 1/4" coin envelopes with the **1/4"** hole in the flap and the top of the packet stapled **below** the hole. If you need nursery planting packets they will be available from Crosbyton Seed Company, let us know and we will send them to you as soon as possible.

Plan your nurseries in multiples of 25 or 50 plot increments, (fields will be 25-15 ft. plots long, 2 rows wide = 50 plots/bed).

Be sure and let me know if you want row 1&2 on the same bed or if you want row 1 on the right side of bed #1 and row 2 on the left side of bed #2 so you can work your

material walking in the furrow between beds.

Please include your nursery field map so we are sure to plant your nurseries the way you want them. You can also email your maps to me at [kjo64@msn.com](mailto:kjo64@msn.com).

If any of you have special herbicide experiments I recommend 3 beds/6 rows buffer between treatments to help reduce the chance of drift from resistant onto non-resistant material. The sprayer is 7 beds/14 rows wide, we can spray using just the one side of the sprayer boom (4 beds/8 rows) minimum coverage on one pass.

Please let me know AS SOON AS YOU CAN the approximate number of rows/beds you will be using this year so we can get the land reserved and prepared.

If you know of anyone interested in this service that I have inadvertently missed please forward this email to them or let me know so I can contact them personally. It appears that we will have more corn this year and in the coming years so please include those interested in winter corn nursery space also.

**Thank you all**, I look forward to another productive year for the Corn and Sorghum Research Community!! If you have any questions, please, give me a call or send an email.

Please find attached the price schedule for 2009-2010, which remains the same as 2008-2009 prices.

Regards,

Jim Osborne  
Crosbyton Seed Company  
2500 N. 231st. W.  
Andale, Kansas 67001-9510  
(H) 316.444.2530  
(C) 316.734.2303  
(Fax) 316.444.2530 (please call first)  
[kjo64@msn.com](mailto:kjo64@msn.com)

**From:** [Bill Rooney](#)  
**To:** ["Rene Clara"](#)  
**Subject:** RE: Is anything happening?  
**Date:** Saturday, October 10, 2009 11:17:36 PM

---

Rene:

MY apologies. Too many issues to work on.

You should have gotten some responses from me in earlier messages just sent.

More to come later.

Also, you should know that Dr. Rosenow passed away this morning after a month long illness.....

Regards,

Bill

---

**From:** Rene Clara [mailto:[reneclara@yahoo.com](mailto:reneclara@yahoo.com)]  
**Sent:** Saturday, October 10, 2009 11:08 AM  
**To:** Bill Rooney  
**Subject:** Is anything happening?

Dear Dr. Bill,

I don't know what is happening, but lately you have not answered to my emails. The import permit that I sent to you, won on September 25 and You not sent me the engaged germoplasma. I ask you if these in agreement that I visits the ICTA and Prosemillas of Guatemala and you do not answer me. I consult you on the plan of delivery of the bmr advanced lines in Central América and I am expecting your answer. Please say to me what it happens? Are you uncomfortable with me?

**René Clará V.**  
INTSORMIL  
Host Regional Coordinator

CENTA, Apdo. Postal 885,  
San Salvador, El Salvador, C.A.  
Tel. (503) 2302 0239 - (503) 7815 2238 cel.  
Fax: (503) 2302 0239

E-mail: [reneclara@yahoo.com](mailto:reneclara@yahoo.com)

---

**De:** Bill Rooney <wlr@tamu.edu>  
**Para:** Rene Clara <reneclara@yahoo.com>  
**Enviado:** mié, octubre 7, 2009 10:39:39 AM  
**Asunto:** RE: Expenses report

Rene:

Thanks for the information. I'll look for the package and once approved, I'll send it on to Joan.

Regards,

Bill

---

**From:** Rene Clara [mailto:reneclara@yahoo.com]  
**Sent:** Tuesday, October 06, 2009 12:53 PM  
**To:** Bill Rooney  
**Cc:** Joan Frederick  
**Subject:** Expenses report

Dear Dr. Bill,

This morning I sent to you the expenses report of PCCMCA meeting of Vilma, Salvador, Mario Jaco and René Clará, by *EMS* courier.

We all spend the received money, neither return nor restoration money. Jaco bought the ticket, but it did not use it, because at the last hour the CENTA Director did not authorize his trip. This ticket is available in CENTA.

Vilma and Salvador did not use the funds for buy of tickets of plane because they obtained it of FOCAGRO.

Regards,

**René Clará V.**  
**INTSORMIL**  
Host Regional Coordinator

CENTA, Apdo. Postal 885,  
San Salvador, El Salvador, C.A.  
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---

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**From:** [Bill Rooney](#)  
**To:** ["Sonnie Feagley"](#)  
**Subject:** RE: Needed Invoice/Receipt  
**Date:** Monday, October 12, 2009 8:32:00 AM

---

Sonnie:

I put that in an envelope and put it in the mail, and there it sits...

I'll bring it over today.

Regards,

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: Sonnie Feagley [<mailto:sk-feagley@tamu.edu>]  
Sent: Sunday, October 11, 2009 2:34 PM  
To: Bill L Rooney  
Subject: Needed Invoice/Receipt

Good afternoon Dr. Rooney:

We are in need of the following invoice/receipt that was charged to your purchasing card:

Best Buy  
\$99.98  
10/02/09

Thank you for your help.

Sonnie

**From:** [Bill Rooney](#)  
**To:** ["Gould Mike"](#)  
**Subject:** RE: Reminder: Chevron Weslaco Visit October 14-16  
**Date:** Monday, October 12, 2009 8:40:00 AM

---

Mike:

Thanks for the update. I probably will not be at the meeting on Thursday or Friday. Dr. Darrell Rosenow, longtime sorghum breeder in Lubbock passed away on Saturday and I expect the funeral will be on Thursday or Friday in Lubbock and I'll be going to that. I'll let you know when times are confirmed.

Regards,

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

---

**From:** Gould Mike [mailto:jmgould@tamu.edu]  
**Sent:** Sunday, October 11, 2009 6:31 PM  
**To:** Bill Rooney  
**Subject:** Re: Reminder: Chevron Weslaco Visit October 14-16

Bill - Unfortunately the schedule was very complex to set up with so many people coming and other scheduling constraints, so no presentations are scheduled for Friday. In fact, there are only 4 presentations for the lignocellulose project (Gould, El-Hout, Mullet and Mirkov) and they are limited to 10 min each. There will be lots of time for informal discussions in the field and on the bus Thursday and Friday.

Best,

Mike  
**Mike Gould**  
Center Director

On Sep 11, 2009, at 1:47 PM, Bill Rooney wrote:

Mike:

I have teaching responsibilities on Tues/Thurs this fall. If it is possible, when you are putting together the agendan, please schedule the sorghum presentations on Friday morning. That would allow me to teach on Tuesday morning, travel down Tues afternoon/evening and meet on Friday. I'll likely be in Weslaco for the weekend working the fall nursery.

regards,

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:** Gould Mike [mailto:jmgould@tamu.edu]

**Sent:** Thursday, September 10, 2009 10:55 AM

**To:** Rooney Bill; Mullet John; Marty Dickman; Mirkov Erik; El-Hout Nael

**Cc:** Hernandez Eduardo; McGee Robert; Goodman Donna; John Jifon; Shay Simpson; McCutchen Bill F. ; Avant Bob

**Subject:** Reminder: Chevron Weslaco Visit October 14-16

**Importance:** High

Reminder: The Chevron visit to the Weslaco Center is scheduled for October 14-16. We are currently developing an agenda, but for those who will be traveling to Weslaco, plan on arriving on the 14th with activities starting on the 15th.

Mike

**Mike Gould**

Center Director



**From:** [Bill Rooney](#)  
**To:** ["Thomas Gieskes"](#)  
**Cc:** ["swhalen@harc-hspa.com"](#); ["RVOSGOOD@aol.com"](#); ["Tim Trop"](#); ["Dave Hackett"](#)  
**Subject:** RE: Stillwater proposal  
**Date:** Monday, October 12, 2009 8:42:00 AM

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Tom:

That'll be fine. If you can set up the meeting, I can make a 6pm call.

I've also got Bob's list of questions (good ones) and we need to discuss this bird resistant issue.

Regards,

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

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**From:** Thomas Gieskes [mailto:[tgieskes@stillwaterassociates.com](mailto:tgieskes@stillwaterassociates.com)]  
**Sent:** Sunday, October 11, 2009 6:02 PM  
**To:** Bill Rooney  
**Cc:** [swhalen@harc-hspa.com](mailto:swhalen@harc-hspa.com); [RVOSGOOD@aol.com](mailto:RVOSGOOD@aol.com); 'Tim Trop'; Dave Hackett  
**Subject:** RE: Stillwater proposal

Bill,

I think it would be great if we could schedule a conference call tomorrow. By copy to all, how does 6 PM central, 4 PM pacific, 1 PM Hawaii sound? We can set it up as a goto meeting conference, which will allow us to share screen information if necessary. As agenda, I would like to propose the following items:

1. Design of a Test Protocol

- Selection of Varieties to be tested: Bird Resistant Varieties (high tannin or otherwise), High Yield, Drought Resistance, etc.
- Size of test plots.
- Variables to be tested: fertilizer, moisture, planting period, etc.
- Testing & analysis of products: grain for fermentation tests, DDGS analysis, stover for fuel.

2. Cultivation & Harvesting

- Rocky soils
- Slopes
- Stover harvesting and baling.

3. Timing and Costs

Anybody any additional suggestions?

Thomas

--- On **Fri, 10/9/09**, **Bill Rooney** <[wlr@tamu.edu](mailto:wlr@tamu.edu)> wrote:

From: Bill Rooney <[wlr@tamu.edu](mailto:wlr@tamu.edu)>

Subject: RE: Stillwater proposal

To: [tgieskes@stillwaterassociates.com](mailto:tgieskes@stillwaterassociates.com)

Cc: [swhalen@harc-hspa.com](mailto:swhalen@harc-hspa.com), [RVOSGOOD@aol.com](mailto:RVOSGOOD@aol.com), "Tim Trop" <[tntrop@tphm.com](mailto:tntrop@tphm.com)>

Date: Friday, October 9, 2009, 11:06 AM

Mr. Gieskes:

Bob Osgood sent me a message indicating that you have a need for assessing land suitability for grain sorghum and experimentation plans for cooperative testing with HARC. I'm also somewhat familiar with your plans through Tim Trop.

Development of sorghum as a bioenergy crop takes up greater than ½ of my research time, so it is of importance to me. To that end, I would be interested in assessing the situation and working with HARC to explore the opportunities for grain sorghum on Hawaii.

I'd be happy to visit with either you or Tim further to develop a plan for further work. I'd like to visit with you, Tim or Bob (as appropriate) to develop a course of action and a timeline.

I'll be in the office all of next week (until Thursday) and as appropriate, please don't hesitate to contact me at the number below.

I look forward to hearing from you.

Regards,

Bill

Bill Rooney

Professor

Sorghum Breeding and Genetics

Department of Soil & Crop Sciences

Texas A&M University

College Station, Tx 77843

979 845 2151

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**From:** [RVOSGOOD@aol.com](mailto:RVOSGOOD@aol.com) [mailto:[RVOSGOOD@aol.com](mailto:RVOSGOOD@aol.com)]

**Sent:** Thursday, October 08, 2009 7:09 PM

**To:** [wlr@tamu.edu](mailto:wlr@tamu.edu)

**Cc:** [swhalen@harc-hspa.com](mailto:swhalen@harc-hspa.com)

**Subject:** Stillwater proposal

Bill,

I am looking forward to meeting and working with you in Indonesia next week. Expect it to be a challenging project being so isolated.

I am writing now regarding a meeting held today at the Hawaii Agriculture Research Center (HARC). I do occasional consulting at HARC and today was asked to participate in a meeting with Stillwater Associates and Plant Energy LLC. Attending for Stillwater were David Hackett, and Thomas Gieskes. For Plant Energy: Timothy Trop. Stephanie Whalen, the Executive Director of HARC and Lance Santo, HARC agronomist also attended. You may know that Mike Poteet has left HARC for another position, which is the reason I was asked to attend. We all signed non disclosure statements as I understand you have also.

Hawaiian Commercial and Sugar Co., located on Maui, suggested the meeting as they are the proposed site for a large grain sorghum /ethanol project. It was proposed by HC&S that HARC work with Stillwater to help design a testing program for GS. This would be a bit risky since no one at HARC has any experience with the crop. HARC could do the experimental work but would need help designing experiments and in determining which of the 40,000 acres at HC&S is suitable for sorghum. Some land is very stony and slopes may be too great for center pivot irrigation in other fields. Micro climates on the farm vary from low to high sunlight and are moderately rainy or very dry. Soils are quite variable too (molisols, oxisols, sand)

Your name came up as one who might be available to help with the experimental program including a visit to Hawaii to take a look at the situation. They (Stillwater) are not aware that we will be working together on the Indonesian project. Did not see any reason to disclose this at the meeting. If you are interested, suggest contacting Thomas Gieskes ([tgieskes@stillwaterassociates.com](mailto:tgieskes@stillwaterassociates.com)). The task would be to advise HARC on a sorghum research program centered around agronomic practice and variety testing. Stillwater would be the contractor)

Much of the discussion today was on problems with bird predation at planting and at harvest. Any small plot work we have done was seriously impacted by birds and not sure if this would carry over into large field plantings. Are there bird resistant cultivars?

I asked a lot of questions regarding why grain sorghum and not sweet sorghum. The main reason seems to be storability of the grain but probably other reasons not disclosed.

Are there disease resistant, high yielding varieties adapted to Hawaii conditions is my main question?

Since GS or SS have never been grown on any scale in Hawaii, I think there is a long learning curve and will be interested in your thoughts.

Bob Osgood

**From:** [Bill Rooney](#)  
**To:** ["Bartek, Matthew Scott"](#)  
**Subject:** RE: Thesis Proposal  
**Date:** Monday, October 12, 2009 8:47:00 AM

---

Matt:

Thanks, you can send it out for committee review.

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

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**From:** Bartek, Matthew Scott [mailto:[mbartek@neo.tamu.edu](mailto:mbartek@neo.tamu.edu)]  
**Sent:** Sunday, October 11, 2009 1:37 PM  
**To:** Bill Rooney; Byron Burson; SHATCH  
**Subject:** Thesis Proposal

**From:** [Bill Rooney](#)  
**To:** ["Stelly\\_David"](#)  
**Cc:** ["Seth C. Murray"](#)  
**Subject:** RE: Schedule AgriGenomics Lab meeting 19th or 21st?  
**Date:** Monday, October 12, 2009 8:55:00 AM

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David

I'm not here that week, so you'll have to make it on your own.....

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

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**From:** Stelly\_David [mailto:stelly@tamu.edu]  
**Sent:** Saturday, October 10, 2009 7:46 AM  
**To:** Stelly\_David David M.; Ibrahim Amir; Hays Dirk; Zhang Hongbin; Finlayson Scott; Gentry Terry; Rooney Bill; Seth Murray C.; Smith Wayne; Hague Steve  
**Cc:** David Baltensperger  
**Subject:** Schedule AgriGenomics Lab meeting 19th or 21st?

Below is a scheduling link ([Doodle.com](http://www.doodle.com)) to help us identify time(s) of greatest availability for a AgriGenomics Lab Discussion Meeting. Based on schedules for me, Russ and Seth, I narrowed it to the week after next: M and W the 19th and 21st.

<http://www.doodle.com/cz9xygyrht8d2gsz>

As per earlier email to most of you and hallway discussions with a few of you, it would be helpful, I think to discuss where we are and how to move forward from here in developing our shared facilities. There are probably two key matters there -- meeting our needs and not unnecessarily duplicating shared facilities, at least where expenses are significant and and time considerations don't demand in-house capabilities.

I think that we must interface now or later with external elements to make sure that we coordinate well with them either at this meeting or after it, e.g.,

IPGB, the (Trish Klein as point of contact? Or Eun-Gyu No?)

Vet school, (Chris Seabury as point of contact?)  
DNA Technologies Core Laboratory (Jim Derr)

Animal Sci, and the (??? Clare Gill ? Penny Riggs? other?)  
TAMUS Genomics initiative (whatever they calling them now). (Clare ? Penny?)  
(Is this = LSB investment, or separate?)  
Biology (ask McKnight for best contact point, but probably Larry Harris-Haller.)

Genomics & Bioinformatics Facility Core, (Robert Chapkin) (-- expression)

Flow Cytometry Core Laboratory (Roger Smith) --- not sure if they run plants

Flow Cytometry (Spencer Johnston) --- they run some plants

I am not sure which strategy would be most fruitful in the long run, but it may be that we should talk among ourselves (SCSC) first, then visit with Dr. Baltensperger (overall and research) and with Dr. Smith (teaching), then externally. Comments?

Let me know, please if there are others that need to be roped into this process.

David

On Sep 16, 2008, at 6:12 AM, Stelly\_David wrote:

This was my take on the meeting and discussion yesterday --- **subject to your amendments and comments (please insert them)**:

We looked at 3 locations in regards to the AgriGenomics Laboratory (AGL),

AFL (renovated lab area -- part fixed up nicely)

955 (Zhang room, hallway; sorghum and FISH area)

NBL (Stelly and some shared research/teaching area)

*We strived to determine which might be most appropriate -- one consideration being the sorts of activities, equipment and people that would be using a core lab facility such as the AGL. The location will also affect what items PIs will be willing to "donate" to the core.:*

There are four areas of endeavor for the AGL that seem most pressing:

SAMPLE PREPARATION

GENOTYPING

DATA ANALYSIS

STORAGE

Key elements of the areas:

SAMPLE PREPARATION -- with robotics: 2 systems now available -- Xtractor (Corbett, now Qiagen) and the Autogen

Tissue (e.g., lyophilization; grinding/homogenization)

DNA

RNA

(protein)

#### **GENOTYPING & DOSAGE ANALYSES**

Stelly will get info on KBiosciences forthcoming proposal for SNPs; there are several other platforms, including Illumina, Sequenom, Fluidigm ...

SSRs (eGene Genetic Analyzer, now Qiagen "QIAxcel") and especially SNPs  
(**TBD**)

Need for progressively more automated and lower-cost platforms:

Test putative SNPs (low-moderate throughput)

Validate putative SNPs (e.g., by mapping): (moderate throughput)  
Use SNPs (moderate - high throughput, increasing over time)

**DATA ANALYSIS (and storage) -- use other resources as available:**

Dirk and Seth lead development -- software (free or not) and hardware needs:  
note -- (SCSC owns part of a apple cluster in Teague, now idle?)

Fingerprinting

Mapping: Linkage, Radiation Hybrid

QTLs

Phylogenetic / cluster / MDS / PAUP /....

Sequence analyses .. (R. Aramayo of BIOL has set up a nice apple cluster for  
this ... open; not sure how convenient physically, but accessible)

Data storage

**STORAGE --**

Stelly will get info on technology and cost of dry-down RT storage system for  
DNA, versus -80 freezers and -20 freezers

Tissue (e.g., lyophilization; grinding/homogenization)

DNA

RNA

(protein)

(Back-up power, alarms)

=====  
One scenario for genotyping would have the following:

[1] in-house capability to test putative SNPs (identified in silico), i.e., sufficiently to  
warrant further investments for their development

[2] use of KBiosciences as a service for follow-up testing and mapping

[3] use of KBiosciences, Illumina (GoldenGate assays, possibly infinium) or other  
low-cost platform for mass application, the choice depending on relative costs to establish &  
apply the SNP in that platform for the expected number of samples

(We did not discuss the oncoming usage of coded samples and Next-gen sequencing to  
genotype; this presents a very different strategy to genotyping).

=====  
We discussed if a technician or professional might be associated with the AGL. The cost  
would have to be distributed on soft money from PIs. This might not happen, unless it is  
coupled with a funded position .... from which time could be "bought" to do AGL activities by  
the users.

**From:** [Bill Rooney](#)  
**To:** ["Kathy Ferguson"](#)  
**Subject:** RE: Sugarcane Geneticist and Breeder - WESLACO candidate  
**Date:** Monday, October 12, 2009 8:57:00 AM

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That's fine. Thanks, 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

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**From:** Kathy Ferguson [mailto:KFerguson@ag.tamu.edu]  
**Sent:** Friday, October 09, 2009 4:27 PM  
**To:** Bill L Rooney  
**Subject:** RE: Sugarcane Geneticist and Breeder - WESLACO candidate

Hi Bill,  
I hear you are in Ireland...now that's nice, I hope you are enjoying yourself?

I put you down on the 14th for 30 minutes at 2:00 at Foundation Seed (your office) this is right after David Stelly at 1:30 at his office. Will 30 minutes be enough for you?

Kathy

>>> "Bill Rooney" <wlr@tamu.edu> 10/9/2009 4:07 PM >>>

Kathy:

I'm open on the 14<sup>th</sup> and can meet with her at anytime. Please fit me in the schedule as appropriate and let me know.

Regards,

Bill

---

**From:** Kathy Ferguson [mailto:KFerguson@ag.tamu.edu]  
**Sent:** Friday, October 09, 2009 3:51 PM  
**To:** Amir M Ibrahim; Kevin Crosby; Martin Dickman; Steve Hague; Seth C Murray; Terry J Gentry; Dirk Hays; Frank Hons; Hong Bin Zhang; John E Mullet; Dave Stelly; Patricia Klein; Russell Jessup; Scott Finlayson; Bill L Rooney  
**Cc:** David Baltensperger; C. Wayne Smith; Judy Young



**Subject:** Fwd: Sugarcane Geneticist and Breeder - WESLACO candidate

I received additional information so please see revised itinerary below! You will note Dr. Hale is flying out on the evening of October 14th, therefore there will be no meetings scheduled the following morning.

Once again, please reply as quickly as possible so we can finalize her itinerary.

Thanks,  
Kathy

>>> Kathy Ferguson 10/9/2009 3:26 PM >>>

Dr. Ana Hale, candidate for the Plant Geneticist position in Weslaco, is coming in next week, she will be in Weslaco on Monday and Tuesday, arriving here in College Station the afternoon of the 13th. We will be scheduling meetings for the following day (October 14th). I have set the meeting blocks in 30 minute increments, however, this is flexible.

We are only days away from Dr. Hale arriving. Please reply as quickly as possible.

Please review this schedule and let me know what is the best time for you, and where you would like to meet with Ana.

**October 13, 2009**

Arriving in College Station @ 4:14 pm Continental Flight CO 1520

Pick up at Airport & delivered to Hawthorn Suites:

Dinner Meeting:

**October 14, 2009**

7:00 am Breakfast Meeting - Wayne Smith (drop off at H.R. by 8:15 am)

9:15 am Pick up from H.R. by:

(Deliver to Heep so she can prepare for her seminar)

11:00 am - possible tour of facilities (after seminar) by:

12:00 pm Lunch Meeting:

1:30 pm

2:00 pm

2:30 pm

3:00 pm

3:30 pm - Wrap up - David Baltensperger

4:00 pm - SCSC Seminar

5:00 pm - Dinner Meeting with:

6:00 pm - Deliver to Airport for departing flight at 7:15 pm by:

Thank you!  
Kathy

Make it a GREAT day!

*Kathy Ferguson*

Senior Office Associate

Soil & Crop Sciences | Instruction Programs

MEPS | Instruction Programs

Texas A&M University

TAMU 2474

Heep Center, Rm 217

Phone: 979-845-4620 | MEPS: 979-845-0532 | Fax: 979-458-0533

"Learning is ever in the freshness of its youth, even for the old." Aeschylus

**From:** [Bill Rooney](#)  
**To:** ["Stelly\\_David"](#)  
**Subject:** RE: Itinerary for Ana Hale  
**Date:** Monday, October 12, 2009 9:36:00 AM

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David:

I got back yesterday.

I'm good for that: we can merge.

Regards,

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

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**From:** Stelly\_David [mailto:[stelly@tamu.edu](mailto:stelly@tamu.edu)]  
**Sent:** Monday, October 12, 2009 9:35 AM  
**To:** Rooney Bill  
**Cc:** Stelly\_David David M.  
**Subject:** Fwd: Itinerary for Ana Hale

Are you back on Wed?

We are back to back with Anna: 1:30 and 2pm, respectively. If you would like merge and meet collectively, I am game for it. If not, that is okay too. Do you want to also include GH? Do we want to meet at 955 (we cleaned it up nicely and now there is a small meeting table there, similar to 965.

David

Begin forwarded message:

Attached is the itinerary for Ana Hale - Candidate for the Plant Geneticist Position in Weslaco. Please mark your calendars for the time you will be meeting with her.

Thanks,  
Kathy

**From:** [Bill Rooney](#)  
**To:** ["Simpson, Shay"](#)  
**Subject:** RE: Ceres Quarterly - January  
**Date:** Monday, October 12, 2009 2:33:34 PM

---

Shay:

I'm good for the meeting at anytime in the first couple of weeks. If you can make it the week of Agrilife, that would be fine with me.

Regards,

Bill

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

From: Simpson, Shay [<mailto:shay-simpson@tamu.edu>]  
Sent: Monday, October 12, 2009 1:05 PM  
To: Bill Rooney; John Mullet; Jürg Blumenthal; David Baltensperger; Patricia Klein; Bill McCutchen; Bob Avant; Peter Schuerman  
Subject: Ceres Quarterly - January

Hi team,

Last December we discussed having our Ceres meetings in January 2010 instead of December 2009. We talked about scheduling for second week of Jan. However, the announcement for the Ag Program just came in to our in boxes and competes for our time that same week in January.

The first week is the cotton Beltwide meetings, but we might be able to work around that - maybe. The week of 18th will probably begin classes.

What is this group's wish for traveling to Thousand Oaks in January?

Shay

Shay Simpson, Associate Dir.  
Corporate Relations  
Texas AgriLife Research  
979.571.3137 mobile

**From:** [Bill Rooney](#)  
**To:** ["Sarah Corn"](#)  
**Subject:** RE: Rebecca's Defense  
**Date:** Monday, October 12, 2009 3:59:00 PM

---

Sarah:

I believe that if you put

Rebecca Corn

Texas A&M University

Foundation Seed Building

Sipple Road

College Station TX 77843-2474

It should get here. Bill

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

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**From:** Sarah Corn [mailto:SCORN@kumc.edu]  
**Sent:** Monday, October 12, 2009 11:38 AM  
**To:** wlr@tamu.edu  
**Subject:** Rebecca's Defense

Hi Dr. Rooney,

I was wanting to send Becky (sorry, Rebecca) some good luck flowers tomorrow, but I can't find an address for the building. Could you please enlighten me (and keep this on the DL)?

Thanks,  
Sarah Corn  
KU SOM 2013

**From:** [Bill Rooney](#)  
**To:** ["Wilfred Vermerris"](#)  
**Cc:** ["Seth C. Murray"](#); ["Stephen Kresovich"](#); ["Ana I Saballos"](#); ["Pedersen, Jeff"](#)  
**Subject:** RE: Map locations of Dwarf1 and Dwarf4?  
**Date:** Monday, October 12, 2009 4:22:00 PM

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Wilfred:

John Mullet's group has been focusing on Dw1 for a few years now (we've supplied the mapping populations), but I don't know the map location. I think they have also had passing interest in Dw4 (we've grown some of those populations as well), but I'm not sure if they have made any progress.

You should check directly with John Mullet for further details.

Regards,

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: Wilfred Vermerris [<mailto:wev@ufl.edu>]  
Sent: Monday, October 12, 2009 4:03 PM  
To: Bill Rooney; Seth C. Murray; Stephen Kresovich; Ana I Saballos; Pedersen, Jeff  
Subject: Map locations of Dwarf1 and Dwarf4?

Dear Steve, Bill, Seth and Jeff,

I was wondering if you are aware of the map locations of dw1 and dw4 in sorghum. If not, are you aware of anybody working on mapping these genes? We are interested in them, but would prefer to not duplicate ongoing efforts.

Thank you,

Wilfred

**From:** [Bill Rooney](#)  
**To:** ["Wolfgang Friedt"](#)  
**Subject:** RE: Sorghum accessions  
**Date:** Monday, October 12, 2009 4:52:00 PM

---

Wolfgang:

The released sorghum conversion lines are numerous; there are approximately 600 that we have suitable quantities of seed for distribution. If you requested them all, the cost would be approximately \$1500 USD to cover seed production, processing and shipment.

The material has also been placed in the USDA GRIN collection. The seed can be requested from them directly and they will provide free of charge. You will have to request the lines via their PI number.

Regards,

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: Wolfgang Friedt [<mailto:Wolfgang.Friedt@agrar.uni-giessen.de>]  
Sent: Friday, October 09, 2009 9:37 AM  
To: wlr@tamu.edu  
Subject: Sorghum accessions

Dear Dr. Rooney

For a new research project on sorghum for biomass production (in Germany) we would be interested in obtaining accessions from the Sorghum Conversion Program at your institution. I do hope that you can help us with this request. Of course, we would be prepared to cover any cost for the material provided.

I shall be glad to answer any questions you may have in this matter.

I am looking forward to your answer.

With best regards,

Wolfgang Friedt

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Wolfgang Friedt, Prof. Dr. Dr.h.c.  
Plant Breeding Department, IFZ  
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