

From: [Walter Nelson](#)
To: [John Mullet](#); [Patricia Klein](#); [Bill Rooney](#)
Subject: A&M Ceres MAS/MAB/mapping strategy discussion
Date: Thursday, February 12, 2009 7:30:47 AM

John, Patricia and Bill,

I have discussed with John and Bill the interest from some of our scientists here at Ceres to have a more focused/dedicated discussion about the going on in the program.

The primary constraint I got on scheduling this was from Bill to put it after April 1. I wanted to propose to you Monday, April 6. While the Ceres people would be there all day, I don't expect you all need to be present the whole time. We can put an agenda together that can cover various topics and still work for your schedules. I think the idea was to keep it relatively informal as well (i.e. no extensive slide decks required, only for explanation to facilitate discussion etc...) John B and Jeff also specifically mentioned wanting to see the labs as well for example.

Please let me know if April 6 would work for you and, if not, let me know what day(s) would. I'd mainly just like to have it sometime before the next quarterly at the end of April.

Thanks,

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Gary Koppenjan](#)
To: [Info](#)
Subject: Ceres Press Release: Energy Crop Benefits are Greatly Underestimated
Date: Wednesday, May 20, 2009 8:57:36 AM

CERES YIELD RESULTS: ENERGY CROP BENEFITS ARE GREATLY UNDERESTIMATED

THOUSAND OAKS, Calif. — May 20, 2009 — Energy crop company Ceres, Inc. announced today that switchgrass can produce substantially more biomass than previously reported and that average yields often used by academics and policymakers to forecast bioenergy economics and environmental benefits may, in fact, be far too conservative.

The company reported that yield results from its nation-wide network of field trials showed that average biomass yields among switchgrass seed varieties tested last season were as much as 50% more than the government's projected yields for 2022. Proprietary varieties sold under the company's Blade Energy Crops brand were consistently the highest yielding varieties across multiple trial locations, with average yields reaching nearly 10 tons.

The highest yield was reported in California, where a Ceres experimental variety produced 19 tons per acre. Ceres switchgrass product manager Cory Christensen, Ph.D., said that "this result demonstrates the genetic potential of switchgrass grown under favorable conditions." He predicted that "through trait development, better genetics and improved crop management practices, we can continue to increase average yields for many years to come."

Christensen noted that higher yields per acre have a significant impact on farm and conversion economics, and can dramatically reduce harvest and delivery costs per ton, collectively the single largest expense in providing raw materials to bioenergy facilities. Similar benefits would be seen in calculating the greenhouse gas savings of displacing petroleum with biofuels made from dedicated energy crops.

Based on the Ceres results, policymakers will likely need to re-think their assumptions regarding energy crop production. A number of studies assume yields as low as two to four tons per acre for switchgrass, and rather than incorporating yield increases from breeding, many of these studies hold yields virtually flat into the future. More recently, a highly regarded biofuel study co-authored by Sandia National Labs used a conservative six tons of biomass per acre for energy grasses — similar to estimates by the U.S. Environmental Protection Agency (EPA).

Ceres chief executive Richard Hamilton says that Ceres needs additional data before formally proposing new benchmarks, but said the "writing was on the wall." Adding, "these results are not surprising when you look at the impact that utilizing modern biology has had on food crop yields, like corn, which has seen a five-fold increase since the first hybrids were introduced."

Even using the government's conservative projections, switchgrass sequesters more carbon than any other raw material evaluated by EPA, which released its official analysis on advanced biofuels earlier this month.

"Energy crops like switchgrass are the only scalable, carbon-negative sources for transportation fuels in the EPA analysis," Hamilton said, meaning that more carbon is sequestered from the atmosphere than is released in the lifecycle of producing and burning the fuel. "That's a benefit that electric cars, hydrogen and other renewables do not provide," he said.

"With dedicated energy crops, increasing average on-farm yields will mean even greater gains in reducing greenhouse gases, as well as improved profitability for farmers and bioenergy companies. Perennial grasses are good and clearly can be made even better using well-proven technologies at hand today," Hamilton said.

According to Ceres, the switchgrass data were collected from small-plot, replicated trials at locations across the mid and southern latitudes of the United States on both dry and irrigated land in 2008. Like other crops, biomass yields can vary among specific locations and year-to-year.

ABOUT CERES

Ceres, Inc. (www.ceres.net) is a leading developer and marketer of high-yielding energy crops that can be planted as raw materials for cellulosic ethanol production and biopower. Its development efforts cover switchgrass, sorghum, miscanthus, energycane and short-rotation woody crops. The plant breeding and biotechnology company markets its switchgrass seed and sorghum seed under its Blade Energy Crops brand. Ceres holds one of the world's largest proprietary collections of fully sequenced plant genes.

#

From: [Holly Dungca](#)
To: [Ceres Global](#); [mbowen@excellencethroughstewardship.org](#); [lhanifin@excellencethroughstewardship.org](#); [aperalta@bio.org](#); [bill.lloyd@pioneer.com](#); [dianne.hatmaker@basf.com](#); [Annie.Gutsche@cgr.dupont.com](#); [iris.stephenson@bayercropscience.com](#); [jennifer.ogren@syngenta.com](#); [jerry.l.flint@monsanto.com](#); [kimberly.white@syngenta.com](#); [lamar.buckelew@bayercropscience.com](#); [margaret.morris@monsanto.com](#); [mwadley@mendelbio.com](#); [NMHOOD@ARBORGEN.COM](#); [diane.b.re@monsanto.com](#); [keonr@sembiosys.ca](#); [robin.carmody@monsanto.com](#); [sibass@dow.com](#); [sbomer@bio.org](#); [todd.a.staley@monsanto.com](#); [Subray.hegde@aphis.usda.gov](#); [Neil.E.Hoffman@aphis.usda.gov](#); [stefan.a.bledig@monsanto.com](#); [jhbouton@noble.org](#); [heaton@iastate.edu](#); [feldmann@cals.arizona.edu](#); [lundquist@fr.com](#); [am.bouckaert@skynet.be](#); [widholm@uiuc.edu](#); [wlr@tamu.edu](#); [jmullet@tamu.edu](#); [bmccutchen@tamu.edu](#); [p-schuerman@tamu.edu](#); [bavant@tamu.edu](#); [sprhines@noble.org](#); [doug.c.cameron@pjc.com](#); [Denichiro.Otsuga@sdstate.edu](#); [kijbradford@ucdavis.edu](#); [avandeynze@ucdavis.edu](#); [karen.ballack@weil.com](#); [Lmlavi@Monsanto.com](#); [Lawrence.M.Lavin.Jr@Monsanto.com](#); [reneef@harborfreight.com](#)
Subject: Condolence Information - Peter Mascia's Family
Date: Friday, May 08, 2009 5:52:07 PM

To All,

Condolences to the Mascia family can be sent directly to Peter and Mary's home:

Should you prefer to send a monetary donation in Pete's name, please consider RideOn, a therapeutic riding program that their daughter benefits from, which has been their favorite charity. Buena Vista Hospice was also instrumental in helping Peter through the last stages of his illness, Mary said they helped tremendously with the transition and she couldn't have done this without them.

RideOn Therapeutic Horsemanship

401 Ronel Court
Thousand Oaks, CA 91320
Ph: (805) 375-9078
Fax: (805) 375-8640
www.rideon.org
A 501 (c)(3) non-profit corporation
Tax ID: 95-4465783

Buena Vista Hospice Care

143 Triunfo Canyon Rd # 103
Westlake Village, CA 91361
(805) 777-1133
(Checks only please)

Memorial Service information will be sent as soon as the details are finalized.

Warm regards,

Holly D. Dungca
Office Manager and Executive Assistant
Office: 805.376.6517 ~ Fax: 805.499-9017
hdungca@ceres.net



Ceres, Inc. ~ The Energy Crop Company®

1535 Rancho Conejo Blvd. ~ Thousand Oaks, CA 91320 USA

www.ceres.net

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: Couple of questions
Date: Tuesday, April 07, 2009 12:41:19 PM

Hi Bill,

Hope you're not working too hard and finding some time to enjoy yourself a bit in Puerto Rico.

Two items:

Clint is doing some bloom date experiments in Amarillo and asked if there were any new materials coming out of your program. I mentioned those sudans you have developed. I am still interested in them. The new amendment I just did allows us to evaluate program materials from the program for things like this. If you have some seed from those for Clint to start looking at, do send it his way. I was also going to ask if you would be able to increase them a bit this season for handoff for production next year if you feel it appropriate to start preparing for that. We can discuss more later.

Also, we heard that Jorge da Silva left for Syngenta. An email went around here asking if his departure would affect the project/pre-proposal. My response was we were fine in that you are the driver of that project and Mike Gould could fill any gaps if needed. Let me know if that was the correct response.

Thanks,

Walter

From: [Steven Thomas](#)
To: wlr@tamu.edu
Cc: [Walter Nelson](#)
Subject: CPBR letter
Date: Tuesday, June 16, 2009 1:07:34 PM

Hi Bill,

Walter tells me that you have requested a letter of support from Ceres for your CPBR proposal. I'll be happy to do this for you if you can send me at least an outline of your proposal (CPBR poster?), and some budgetary guidelines. I'll need to stipulate some dollar amount, and I believe the guidance is for a minimum 20% non-federal cost share, correct? Do you feel there is any opportunity for in-kind support of the project? If so, I'd like to take advantage of that and include it in the letter. Also, when do you need the letter?

If you think we should talk through this, let me know when you are available and I will call you.

Thanks and best regards, Steve

Steven R. Thomas, Ph.D.
Director of Bioproducts
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320

ph: (805) 376-6514
cell: (805) 807-6412
email: sthomas@ceres-inc.com
web: <http://www.ceres.net>



From: [Walter Nelson](#)
To: [William Rooney](#)
Cc: [Clinton Johnson](#)
Subject: Delroy contact
Date: Saturday, January 24, 2009 11:01:20 AM

Bill,

Could you provide Clint with Delroy's contact info so he can coordinate a visit to the winter nursery in Puerto Rico on or around Feb 9?

Thanks!

Walter

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

From: [Jeff Gwyn](#)
To: [Bill Rooney](#)
Subject: discussion
Date: Friday, May 08, 2009 10:29:28 AM
Importance: High

Are you around this afternoon and have time for a brief chat re several items?

J. Jefferson Gwyn, Ph.D.
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
off 979.272.2265
fax 979.272.2269
cell 805.490.0070
www.ceres.net

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: Embrapa contact and female increases
Date: Thursday, July 23, 2009 9:04:30 AM

Bill,

Can you send me Geraldo's contact information? Spencer and I are gearing up for another trip to Brazil and we wanted to follow up with some contacts there at Embrapa.

Also, wanted to let you know that Clint called yesterday and said we appear to be having some

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Tuesday, May 26, 2009 1:00 PM
To: Walter Nelson
Subject: RE: Possible Meeting

Walter:

Dr. Geraldo De Franca is (or was last time I asked) quite high in the EMBRAPA administration. I don't know if he will be there but he is the contact with whom I have know since the late 1980s'. I haven't spoken with Geraldo about sweet sorghum in nine months or so - th emost recent discussion have been about his son coming to College Station for a internship with our program next year.

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, May 26, 2009 11:25 AM
To: Bill Rooney
Subject: RE: Possible Meeting

Thanks Bill...will send Omar a note.

Quick question. Who is the senior guy at Embrapa that you said used to be at A&M and is a key player for sweet sorghum interest there? I am going to a big conference in Sao Paulo next week and was going to look for him and also need to talk to McCutchin about what he has in

mind for this "joint" program that he brought up at the last quarterly.

Thanks!

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Tuesday, May 26, 2009 6:13 AM
To: 'Omar A Diaz'
Cc: Jorgebdelatorre@gmail.com; 'Jorge de la Torre Valdes'; Walter Nelson
Subject: RE: Possible Meeting

Omar:

Thanks for your interest in testing sweet sorghum in the DR. I don't provide adequate quantities of seed to do large scale testing and I don't commercialize the hybrids. Ceres, Inc. is an Energy Crop Breeding Company that is testing and may eventually develop a commercial version of some of our sweet sorghum hybrids. Mr. Walter Nelson is their sorghum product manager and he would be a primary contact for larger scale testing when they have seed available.

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: Omar A Diaz [mailto:omar.diaz@transseed.com]
Sent: Monday, May 25, 2009 11:59 AM
To: Bill Rooney
Cc: Jorgebdelatorre@gmail.com; Jorge de la Torre Valdes
Subject: RE: Possible Meeting
Importance: High

Hi Bill

It has been a while, but wanted to take the opportunity to say hi and wish you a good memorial day. Jorge and I are contemplating testing your best sorghum hybrids in the Dominican Republic and analyze behaviour. I believe this is an opportunity to either have you visit us yourself or allow us to test the varieties. We could arrange for a small shipment to DR or your visit, considering your schedule I'd dare say it'd be best to arrange a sample. Please let me know costs associated with either option. This should potentially be a major crop in the country and your expertise along the process among other things will be highly appreciated.

Look forward to hearing from you.

Warm Regards

Omar A. Diaz
USA: 214-914-6664
Fax: 517-947-6664
Mob: 972-904-2296

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

Subject: RE: Possible Meeting
From: "Bill Rooney" <wlr@tamu.edu>
Date: Fri, May 30, 2008 10:49 am
To: "'Omar A Diaz'" <omar.diaz@transseed.com>

Thanks, Omar

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: Omar A Diaz [<mailto:omar.diaz@transseed.com>]
Sent: Friday, May 30, 2008 10:47 AM
To: Bill Rooney
Cc: Jorge de la Torre Valdes
Subject: RE: Possible Meeting
Importance: High

Bill

I'd like to thank you again for your time and the outstanding attention you paid to us during our visit last Wednesday. We are in the planning stages and are considering your consulting services and maybe the research part we talked about. We will be in touch soon, or if we have any questions.

Have a great weekend.

Omar A. Diaz
Exec VP Business Development
TransSeed Biofuels International.
www.transseed.com
1330 Post Oak Blvd., Suite 1600
Houston, Texas 77056 USA
USA: 214-914-6664
Fax: 214-576-2794

Mob: 972-904-2296
DR: 829-948-3565

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

Subject: RE: Possible Meeting
From: "Bill Rooney" <wlr@tamu.edu>
Date: Wed, May 28, 2008 7:27 am
To: "'Omar A Diaz'" <omar.diaz@transseed.com>

Omar:

When you get near please call me at the office 979 845 2151
or my cell , and I'll get you directions.

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: [Walter Nelson](#)
To: [Bill Rooney](#)
Cc: [Clint Johnson](#)
Subject: Flowering time data: Della and N100
Date: Monday, May 11, 2009 10:54:22 AM

Bill,

Clint is planning to set up some of our planned hybrid productions in the panhandle this summer. We are planning to use _____ with the respective females.

We may have asked this before, but could you give us any information about the bloom dates for this lines in College Station, Halfway and Amarillo? Any information you would have would be helpful as most of ours is currently for short day or end of season stuff where photoperiod and temperature differences may have been having some influence.

Thanks!

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Walter Nelson](#)
To: wlr@tamu.edu; [John Mullet](#); [Juerg M Blumenthal](#); [Patricia Klein](#)
Cc: [Simpson, Shay](#); [Baltensperger, David](#); [Bob Avant](#); [McCutchen, Bill](#); [Schuerman, Peter L.](#)
Subject: FW: Ceres Press Release
Date: Wednesday, May 20, 2009 9:34:05 AM

Wanted to forward this along. I imagine you will all run across this press release at some point if you have not already.

We started setting up this switchgrass trial network in 2006 as the seed for the newer varieties was already available. While I think having such results show the potential for renewable energy from plants and are good news for energy crops regardless of the crop, I of course would like to have the same type of press release for sorghum. My expectation is that the seed for the new sorghum hybrids being available in quantity this year for the first time will allow broader scale testing and show the same types of great results for sorghum.

It looks to be an exciting year.

Best regards,

Walter

From: Gary Koppenjan
Sent: Tuesday, May 19, 2009 10:16 AM
To: Ceres Global
Subject: Ceres Press Release: Energy Crop Benefits are Greatly Underestimated

The following press release was distributed this morning on media newswires.

Best, Gary

CERES YIELD RESULTS: ENERGY CROP BENEFITS ARE GREATLY UNDERESTIMATED

THOUSAND OAKS, Calif. — May 20, 2009 — Energy crop company Ceres, Inc. announced today that switchgrass can produce substantially more biomass than previously reported and that average yields often used by academics and policymakers to forecast bioenergy economics and environmental benefits may, in fact, be far too conservative.

The company reported that yield results from its nation-wide network of field trials showed that average biomass yields among switchgrass seed varieties tested last season were as much as 50% more than the government's projected yields for 2022. Proprietary varieties sold under the company's Blade Energy Crops brand were consistently the highest yielding varieties across multiple trial locations, with average yields reaching nearly 10 tons.

The highest yield was reported in California, where a Ceres experimental variety produced 19 tons per acre. Ceres switchgrass product manager Cory Christensen, Ph.D., said that "this result demonstrates the genetic potential of switchgrass grown under favorable conditions." He predicted that "through trait development, better genetics and improved crop management practices, we can continue to increase average yields for many years to come."

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energy crops.

Based on the Ceres results, policymakers will likely need to re-think their assumptions regarding energy crop production. A number of studies assume yields as low as two to four tons per acre for switchgrass, and rather than incorporating yield increases from breeding, many of these studies hold yields virtually flat into the future. More recently, a highly regarded biofuel study co-authored by Sandia National Labs used a conservative six tons of biomass per acre for energy grasses — similar to estimates by the U.S. Environmental Protection Agency (EPA).

Ceres chief executive Richard Hamilton says that Ceres needs additional data before formally proposing new benchmarks, but said the “writing was on the wall.” Adding, “these results are not surprising when you look at the impact that utilizing modern biology has had on food crop yields, like corn, which has seen a five-fold increase since the first hybrids were introduced.”

Even using the government’s conservative projections, switchgrass sequesters more carbon than any other raw material evaluated by EPA, which released its official analysis on advanced biofuels earlier this month.

“Energy crops like switchgrass are the only scalable, carbon-negative sources for transportation fuels in the EPA analysis,” Hamilton said, meaning that more carbon is sequestered from the atmosphere than is released in the lifecycle of producing and burning the fuel. “That’s a benefit that electric cars, hydrogen and other renewables do not provide,” he said.

“With dedicated energy crops, increasing average on-farm yields will mean even greater gains in reducing greenhouse gases, as well as improved profitability for farmers and bioenergy companies. Perennial grasses are good and clearly can be made even better using well-proven technologies at hand today,” Hamilton said.

According to Ceres, the switchgrass data were collected from small-plot, replicated trials at locations across the mid and southern latitudes of the United States on both dry and irrigated land in 2008. Like other crops, biomass yields can vary among specific locations and year-to-year.

ABOUT CERES

Ceres, Inc. (www.ceres.net) is a leading developer and marketer of high-yielding energy crops that can be planted as raw materials for cellulosic ethanol production and biopower. Its development efforts cover switchgrass, sorghum, miscanthus, energycane and short-rotation woody crops. The plant breeding and biotechnology company markets its switchgrass seed and sorghum seed under its Blade Energy Crops brand. Ceres holds one of the world’s largest proprietary collections of fully sequenced plant genes.

#

From: [Jeff Gwyn](#)
To: [Bill Rooney](#)
Subject: FW: Chris Somerville talk
Date: Monday, May 04, 2009 10:39:01 AM

Good talk. Takes about 45 minutes to see the whole thing.

From: Nickolai Alexandrov
Sent: Friday, May 01, 2009 11:58 AM
To: Jeff Gwyn
Subject: FW: Chris Somerville talk

From: Nickolai Alexandrov
Sent: Thursday, April 30, 2009 12:01 PM
To: PI
Subject: Chris Somerville talk

Chris Somerville's keynote talk at the DOE JGI'09 Meeting on March 25 is available at
<http://www.scivee.tv/node/10674>

Very nice overview of the development of cellulosic biofuels.

Note that he is using Ceres' slide on 15:55 min.

-- *Nickolai Alexandrov*

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: FW: CPBR letter
Date: Monday, June 15, 2009 4:50:39 PM

FYI...

Looks like Steve Thomas will handle the letter for you. I told them you needed by the end of June. Looks like Steve will drop you a line sometime to discuss.

W

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

From: Steven Thomas
Sent: Monday, June 15, 2009 12:41 PM
To: Walter Nelson
Cc: Steven Bobzin
Subject: RE: CPBR letter

Thanks, Walter. I'll give Bill a call. Steve

Steven R. Thomas, Ph.D.
Director of Bioproducts
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320

ph: (805) 376-6514
cell: (805) 807-6412
email: sthomas@ceres-inc.com
web: <http://www.ceres.net>

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

From: Walter Nelson
Sent: Monday, June 15, 2009 12:26 PM
To: Steven Bobzin; Steven Thomas
Subject: CPBR letter

He said before the end of June....

W

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

From: Steven Bobzin
Sent: Monday, June 15, 2009 11:59 AM
To: Walter Nelson; Steven Thomas
Subject: RE: Sorghum flowering

Walter, Steve T and I talked and he will provide a letter for Bill. Does he have a deadline for this?

Sincerely,

Steve

Steven C. Bobzin, Ph.D.
Director
Technology Planning, Protection, and Acquisition
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
Phone: 805-376-6515 FAX: 805-498-1002
sbobzin@ceres-inc.com
www.ceres.net

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

From: Walter Nelson
Sent: Wednesday, June 10, 2009 1:27 PM
To: Steven Thomas; Steven Bobzin
Subject: FW: Sorghum flowering

Steve and Steve,

Bill Rooney mentioned that he needs a letter for the
regarding the matching funds. Are you guys familiar with what he is
asking for and can you arrange it or would you like me to investigate
and take care of?

Thanks,

W

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Thursday, June 04, 2009 1:08 PM
To: Walter Nelson
Subject: RE: Sorghum flowering

Walter:

John has more experience than I in the greenhouse, but we've treated
these in the field with a trashcan for about two weeks and that was
enough to get them to flower. I assume similar in a GC, but it might be
less.

I'm working on the

I assume that comes from Steve Thomas, correct?

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: Thursday, June 04, 2009 2:30 PM
To: John Mullet; William Rooney

Subject: Sorghum flowering

John or Bill,

I have a couple of growing in our long-day greenhouse in Thousand Oaks. In theory they won't flower while in there as I understand it.

If I wanted to trigger flowering in them by moving them into a short-day growth chamber, how long would I have to keep the plant in the short-day lighting before I could move it bck to the greenhouse to finish flowering?

Thanks!

W

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: FW: Sorcane project discussion
Date: Monday, January 26, 2009 11:46:08 AM

Bill,

I know this discussion is technically outside of your discussion area, but I wanted to forward this note to you as an FYI to keep you updated as to where we stand on this.

W

P.S. Sorry about the dinner joke....

From: Walter Nelson
Sent: Monday, January 26, 2009 8:24 AM
To: McCutchen, Bill; Avant, Bob; Schuerman, Peter L.
Cc: Spencer Swayze
Subject: Sorcane project discussion

Bill, Bob and Peter,

I hope this note finds you all well and that you all had a great weekend. Spencer and I ran into Bill at a sweet sorghum conference in Orlando on Saturday. Be sure to ask him about his impressions about where we had dinner if you get a chance.

Spencer and I had some followup conversations at Ceres on Thursday and Friday as we said we would on our call. I wanted to send you a few key followup comments from our discussion:

- We are very interested in the _____ project and would like to continue our discussions around supporting the development and commercialization of the potentially new crop.
- We are completely open to the idea of a substantial three-way partnership to develop _____ and were quite comfortable with the types of potential structures discussed by Bill during the call.
- Due to other activities and discussions we are engaged in today, we would like to postpone entering into 3-way negotiations for such a project until later in the year.
- We are open to discuss supporting key components of the existing program, either financially or logistically, in the interim time so as to avoid delaying the commercial opportunity for the crop.
- We would like to kept informed about any new developments with respect to our opportunity to participate in the sorcane project.

I know these followup comments do not resolve everything we discussed on Thursday but I wanted to at least try to clarify our position a bit. We would be happy to schedule another followup call at your convenience to continue this discussion.

Best regards,

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.

Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Jeff Gwyn](#)
To: [Bill Rooney](#)
Cc: [Nickolai Alexandrov](#)
Subject: FW: sweet sorghum association mapping
Date: Monday, April 27, 2009 10:31:46 AM

What do we know about this? I don't remember any discussion on [REDACTED]

Please advise.

From: Nickolai Alexandrov
Sent: Saturday, April 25, 2009 10:40 PM
To: Jeff Gwyn
Subject: RE: sweet sorghum association mapping

Interestingly, we have briefly discussed this paper on our MAB journal club last Wednesday. Jeff, do you think we should collect this kind of data for our internal breeding program?
Nick

From: Steven Thomas
Sent: Sat 4/25/2009 11:25 AM
To: Jeff Gwyn; Edgar Haro; Walter Nelson; Nickolai Alexandrov; John Bouck
Cc: Bonnie Hames; Tanya Kruse; Joon-Hyun Park; Roger Pennell; Richard Flavell; Spencer Swayze
Subject: sweet sorghum association mapping

See attachment for more detail (from The Plant Genome). st

Making Sweet Sorghum Sweeter

Submitted by James Giese on Fri, 04/17/2009 - 14:48

- [Feature](#)

Sweet sorghum, like its close relative, sugarcane, has been bred to accumulate high levels of edible sugars in the stem. Sweet sorghums are tall and produce high biomass in addition to sugar. However, there is little documentation about the genetic relationships and diversity within sweet sorghums and how sweet sorghums relate to grain sorghum racial types.

Researchers from Cornell and Texas A&M genotyped with simple sequence repeats and single nucleotide polymorphisms a diverse panel of 125 (mostly sweet) sorghums. Using both distance-based and model-based methods, the researchers identified three main genetic groupings of sweet sorghums. Based on observed phenotypes and known origins, these were classified as historical and modern syrup, modern sugar/energy, and amber

types.

Three significant associations for height were detected. Two of these, on chromosomes 9 and 6, support published studies. One significant association for brix, on chromosome 1, was detected.

Steven R. Thomas, Ph.D.
Director of Bioproducts
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320

ph: (805) 376-6514
cell: (805) 807-6412
email: sthomas@ceres-inc.com
web: <http://www.ceres.net>



From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: FW: Sweets from Hawaii
Date: Thursday, May 14, 2009 5:18:51 PM

[Bill,](#)

[The code to use is in the last column.](#)

[W](#)

| A&M female code | Winter Female Line Code | Public male name | Winter Male Code | Ceres Final Hybrid Code |
|--------------------|----------------------------|---------------------|---------------------|----------------------------|
|--------------------|----------------------------|---------------------|---------------------|----------------------------|

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: FW: TAMU Sorghum Shipment
Date: Wednesday, April 01, 2009 8:17:00 AM

Here's the Fedex tracking the tracking number for the seed: 119424220-6

Juerg's seed is in the same shipment.

Have a safe trip.

Walter

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

From: Clint Johnson
Sent: Monday, March 30, 2009 5:46 PM
To: Walter Nelson; Michael Stephenson
Subject: TAMU Sorghum Shipment

Walter

Here is the FedEx tracking# 119424220-6. I wuld imagine it would arrive tomorrow.

Clint

From: [Walter Nelson](#)
To: wlr@tamu.edu; delroy@neo.tamu.edu
Subject: FW: letter of commitment for SunGrant Proposal
Date: Friday, April 03, 2009 11:13:19 AM
Attachments: [2009-04-03 Letter of Support for SunGrant.pdf](#)

Bill and Delroy,

Please find attached a scan of the signed letter of support for the SunGrant proposal.

Give me a call if you have any questions.

Thanks!

Walter



April 3, 2009

CERES, INC. ~ 1535 RANCHO CONEJO BLVD. ~ THOUSAND OAKS, CA 91320

tel (+1) (805) 376 6500 ~ *fax* (+1) (805) 498 1002

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: Hawaii increases
Date: Wednesday, March 25, 2009 1:29:33 PM
Attachments: [3-23-09-01sorghum.jpg](#)

Bill,

Just as an FYI, here is a picture of the _____ in Hawaii. They were netted to protect from the birds. We also did 5 splits (2 before, 2 after) to make sure we hit the nick. Estimates are that 2000 seeds per female were planted.

Needless to say, someone from Ceres will be there at harvest. Will keep you updated.

Again, my apologies for the problem.

Walter

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

From: Michael Stephenson
Sent: Tuesday, March 24, 2009 11:48 AM
To: Walter Nelson
Subject: FW: Pictures of sorghum taken on 3-23-09



From: [Bud Wylie](#)
To: [wlr@tamu.edu](#); [Twain Butler](#); [jfike@vt.edu](#); [brummer@uga.edu](#); [dhancock@uga.edu](#); [heaton@iastate.edu](#); [gshew@uidaho.edu](#); [jzale@utk.edu](#)
Cc: [benglish@utk.edu](#)
Subject: Job openings
Date: Tuesday, January 27, 2009 9:23:40 AM

We are posting two senior agronomists positions at Ceres, one located in the mid-south, one located in the mid-atlantic/ lower Ohio river area. If you know anyone that may be interested in these positions, would you have them contact me at their earliest convenience. A job posting is on our website, [ceres.net](#).

Bud Wylie
Manager, Commercial Trials
Ceres, Inc
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
210-882-7257
bwylie@ceres-inc.com

From: [Jeff Gwyn](#)
To: [Bill Rooney](#)
Subject: Lunch
Date: Friday, March 27, 2009 9:44:29 AM

When: Tuesday, March 31, 2009 11:30 AM-1:00 PM (GMT-06:00) Central Time (US & Canada).

Where: Bill's choice - Jeff will pick you up

~~*~*~*~*~*~*~*~*

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: M81 hybrids
Date: Friday, May 08, 2009 11:15:04 AM

Hi Bill,

The have been harvested in Hawaii and should be in Texas any day. It appears to have gone well and I think we have 30-50 lbs for 5 females. Do you want seed for them and, if so, how much and by when?

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Wednesday, April 29, 2009 5:30 AM
To: Walter Nelson; Bud Wylie
Subject: RE: Umbrella hybrids

Walter and Bud:

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, April 28, 2009 7:06 PM
To: Bill Rooney
Subject: Umbrella hybrids

Hi Bill,

I need to re-code the you gave Bud for our trials. Can you send me the codes and pedigrees for the hybrids you gave him?

Thanks!

Walter

From: Bud Wylie
Sent: Tuesday, April 28, 2009 3:26 PM
To: Walter Nelson
Subject: Umbrella

Walter,

What are the codes for the ?

Bud Wylie
Manager, Commercial Trials
Ceres, Inc
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
210-882-7257
bwylie@ceres-inc.com

From: [Jeff Gwyn](#)
To: [Bill Rooney](#)
Cc: [Nikolai Alexandrov](#)
Subject: meeting on June 2nd
Date: Friday, May 15, 2009 11:29:27 AM
Importance: High

For the meeting with Nick and I on June 2, I suggest you coming out to our station around 9 am, we can meet a few hours, go back to town, eat lunch around noon, Nick wants a quick tour of your shop.

Would that work?

J. Jefferson Gwyn, Ph.D.
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
off 979.272.2265
fax 979.272.2269
cell 805.490.0070
www.ceres.net

From: [Spencer Swayze](#)
To: [Bill Rooney](#)
Subject: National Ethanol Conference
Date: Monday, February 16, 2009 12:26:48 PM

Bill,

I hope this message finds you well. I will be moderating your session "Feedstocks for Cellulose Ethanol Production" at the National Ethanol Conference. I look forward to seeing you in San Antonio. I just wanted to provide you with a reminder that your presentation will need to stay within 15 minutes to allow for questions from the audience. Please let me know if there is anything I can do for you in advance of the session.

Best regards,

Spencer P. Swayze
Manager of Business Development
Ceres, Inc. "*The Energy Crop Company*®"
sswayze@ceres-inc.com
Office: (805) 376-6508
Mobile: (805) 407-8799
www.ceres.net

From: [Edgar Haro](#)
To: wlr@tamu.edu
Subject: Pedigree information
Date: Wednesday, April 22, 2009 12:14:56 PM

Bill,

I will appreciate the information on the selection/pedigree of the following seed sources we got from you last year.

Thanks

Edgar

From: Holly Dungca
To: Ceres Global; frank.bulens@gmail.com; eolivier@oxbio.com; cjoung@warburgpincus.com; tdkiley@shalon.com; v.n.cker.ger.rd@pandora.be; Bob Goldberg; floris.vansina@kbcp.be; pascal@biobank.com; rd@invus.com; mbowen@excellencethroughstewardship.org; hanfin@excellencethroughstewardship.org; aperalta@bio.org; bill.lloyd@pioneer.com; dianne.hatmaker@basf.com; Annie.Gutsche@cgr.dupont.com; r.s.stephenson@baycrops-science.com; jennifer.ogren@syngenta.com; jerry.l.flint@monsanto.com; kimberly.white@syngenta.com; lamar.buckelew@baycrops-science.com; margaret.morris@monsanto.com; mwadley@mendelbio.com; NMHOOD@ARBORGEN.COM; diane.b.re@monsanto.com; keonr@sembiosys.ca; rob.n.carmody@monsanto.com; sbass@dow.com; sbomer@bio.org; todd.a.staley@monsanto.com; Subray.hegde@aphis.usda.gov; heaton@iastate.edu; feldmann@cals.arizona.edu; lundquist@frr.com; am.bouckaert@skynet.be; widholm@uiuc.edu; wlr@tamu.edu; jmullet@tamu.edu; bmcutchen@tamu.edu; p.schuerman@tamu.edu; bavant@tamu.edu; sprhines@noble.org; doug.c.cameron@pjc.com; Denichiro.Otsuga@sdstate.edu; kjbradford@ucdavis.edu; avandeynze@ucdavis.edu; karen.ballack@well.com; Lmlavi@Monsanto.com; Lawrence.M.Lavin.Jr@Monsanto.com; reneef@harborfreight.com
Subject: Peter Mascia - Memorial Service Information
Date: Friday, May 15, 2009 7:12:28 PM

To All

The Memorial Service for Peter Mascia has been arranged as follows

Thursday, May 28, 2009

10:30am PDT

Griffin Family Funeral Chapel

101 Wilbur Road

Thousand Oaks, CA 91360

(The Chapel is located just behind the Whole Foods grocery store)

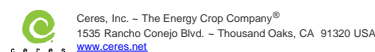
For Directions, you may use the following link, then click on the **red push pin** and enter in your start address.

http://maps.live.com/?v=2&encType=1&sp=Point.pyv12552th7f_Peter's%20Memorial%20Service_Griffin's%20Family%20Funeral%20Chapel%20%20A101%20Wilbur%20Road%20%20A101%20Thousand%20Oaks%2C%20CA%2091360

Should you have any questions, please do not hesitate to contact me at 805-376-6517.

Have a wonderful weekend,

Holly D. Dungca
Office Manager and Executive Assistant
Office 805-376-6517 ~ Fax 805-499-9017
hdungca@ceres.net



From: Richard Hamilton
Sent: Thursday, May 07, 2009 12:26 PM
To: Ceres Global; pascal@biobank.com; rd@invus.com; Bob Goldberg; floris.vansina@kbcp.be; eolivier@oxbio.com; cjoung@warburgpincus.com; tdkiley@shalon.com; van.acker.gerard@pandora.be; frank.bulens@gmail.com
Cc: mbowen@excellencethroughstewardship.org; lhanfin@excellencethroughstewardship.org; aperalta@bio.org; bill.lloyd@pioneer.com; dianne.hatmaker@basf.com; Annie.Gutsche@cgr.dupont.com; r.s.stephenson@baycrops-science.com; jennifer.ogren@syngenta.com; jerry.l.flint@monsanto.com; kimberly.white@syngenta.com; lamar.buckelew@baycrops-science.com; margaret.morris@monsanto.com; mwadley@mendelbio.com; NMHOOD@ARBORGEN.COM; diane.b.re@monsanto.com; keonr@sembiosys.ca; keonr@sembiosys.ca; robin.carmody@monsanto.com; sbass@dow.com; sbomer@bio.org; todd.a.staley@monsanto.com; Subray.hegde@aphis.usda.gov; Neil.E.Hoffman@aphis.usda.gov; stefan.a.bledig@monsanto.com; jhbouton@noble.org; heaton@iastate.edu; feldmann@cals.arizona.edu; lundquist@frr.com; am.bouckaert@skynet.be; widholm@uiuc.edu; wlr@tamu.edu; jmullet@tamu.edu; bmcutchen@tamu.edu; p.schuerman@tamu.edu; bavant@tamu.edu; sprhines@noble.org; doug.c.cameron@pjc.com; Denichiro.Otsuga@sdstate.edu; kjbradford@ucdavis.edu; avandeynze@ucdavis.edu; karen.ballack@well.com; Lmlavi@Monsanto.com; Lawrence.M.Lavin.Jr@Monsanto.com; reneef@harborfreight.com
Subject: Peter Mascia

Dear All:

Pete is finally free of pain He passed away yesterday afternoon

Today, the bell truly does toll, not just for Pete; but for all of us here at Ceres, for everyone in the agricultural biotechnology community and at some level, for humanity at large The ripples from Pete's passing will extend far

I cannot help but reflect on the symbolism that just as Pete has left us, seeds will soon germinate this spring incorporating the confinement system he helped design, along with several of the lead genes he helped discover and develop His contributions to Ceres, science, agriculture and energy will live on long after him

I would like to thank all of you who participated in acknowledging Pete's contributions to Ceres and who took the time to visit with him during the final stages of his illness For your perusal, I have included at the end of this message some of the things that I learned from working with Pete

Speaking for myself, watching Pete face his mortality with dignity and determination taught me valuable lessons; not just in how to work, but in how to live

The Ten Things I Learned From Peter Mascia

- 1 If you don't know where you're going, any train will get you there
 - 1 1 Have a strategy – a goal – a five year plan
- 2 Have a product development plan
 - 2 1 Know the difference between strategy and tactics Being disciplined and organized This is what turned around Lead delivery to Monsanto
- 3 Have a quality process
 - 3 1 If you don't take the time to do it right, when will you have time to do it over?
 - 3 2 There is no point in only measuring your output, measure your process instead
- 4 Everything grows in California
 - 4 1 This taught me to understand the differences in agricultural value chains – where value is created and where it can be captured
- 5 It will definitely work in petunia
 - 5 1 Have the courage of your convictions If you are confident in a particular path, don't back away from it
- 6 Not all olive oil is created equal
 - 6 1 Enjoy the little things in life, because it is the little things that all add up
- 7 UC Tech Transfer meetings require a two martini recovery
 - 7 1 Regardless of how frustrating the person across the table is, never show your frustration Relieve your frustration afterwards
- 8 Keep knick-knacks on your desk
 - 8 1 They are great conversation starters, and starting the conversation is often the hardest part in getting problems solved
- 9 Never panic but make preparations to panic
 - 9 1 Pete taught me to be patient and calm despite whatever chaotic winds were blowing Kipling said "If you can keep your head when all about you are losing theirs and blaming it on you, if you can trust yourself when all men doubt you "
- 10 Work like you don't need the money
 - 10 1 When Pete started chemotherapy, he came to me and said he thought he might have to work half-time "Half-time" turned out to be half of twenty four hours or about 12 hours per day The lesson here is not to be a workaholic but to enjoy your work and believe deeply in its purpose

Thank you,

Richard

Richard Hamilton
President & CEO
rhilton@ceres-inc.com

Ceres, Inc.
1535 Rancho Conejo Boulevard
Thousand Oaks, CA 91320
tel. (805)376-6500 asst. (805)376-6517

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From: [Richard Hamilton](#)
To: [Ceres Global](#); pascal@biobankcom.com; rd@invus.com; [Bob Goldberg](#); floris.vansina@kbcpe.be; eolivier@oxbio.com; cjyoung@warburgpincus.com; tdkiley@shalon.com; van.acker.gerard@pandora.be; frank.bulens@gmail.com
Cc: mbowen@excellencethroughstewardship.org; ghanifin@excellencethroughstewardship.org; aperalta@bio.org; bill.lloyd@pioneer.com; dianne.hatmaker@basf.com; Annie.Gutsche@cgr.dupont.com; iris.stephenson@baycropscience.com; jennifer.ogren@syngenta.com; jerry.l.flint@monsanto.com; kimberly.white@syngenta.com; lamar.buckelew@baycropscience.com; margaret.morris@monsanto.com; mwadley@mendelbio.com; NMHOD@ARBORGEN.COM; diane.b.re@monsanto.com; keonr@sembiosys.ca; robin.carmody@monsanto.com; slbass@dow.com; sbomer@bio.org; todd.a.staley@monsanto.com; Subray.hegde@aphis.usda.gov; Neil.E.Hoffman@aphis.usda.gov; stefan.a.bledig@monsanto.com; jhbouton@noble.org; heaton@iastate.edu; feldmann@cals.arizona.edu; lundquist@fr.com; am.bouckaert@skynet.be; widholm@uiuc.edu; wlr@tamu.edu; jmullet@tamu.edu; bmccutchen@tamu.edu; p-schuerman@tamu.edu; bavant@tamu.edu; sprhines@noble.org; doug.c.cameron@pjc.com; Denichiro.Otsuga@sdsstate.edu; kjbradford@ucdavis.edu; avandeynze@ucdavis.edu; karen.ballack@weil.com; Lmlavi@Monsanto.com; Lawrence.M.Lavin.Jr@Monsanto.com; reneef@harborfreight.com
Subject: Peter Mascia
Date: Thursday, May 07, 2009 2:22:34 PM

Dear All:

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Thank you,

Richard

Richard Hamilton
President & CEO
rhamilton@ceres-inc.com

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tel. (805)376-6500 asst. (805)376-6517

www.ceres.net

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From: [Edgar Haro](#)
To: [Jeff Gwyn](#)
Cc: [Bud Wylie](#); wlr@tamu.edu
Subject: Plot sizes and shapes
Date: Wednesday, February 04, 2009 12:48:57 PM

This past season left us (Bill and myself) with a great sense of urgency to research on plot sizes and shapes to ease the harvesting management with the actual equipment used. I don't know, and I don't believe anyone else knows (data on hand) if there is a better harvester equipment to handle different levels of leaning/lodging given the great diversity on our germplasm. I can understand other groups handling fewer and pre-selected and more advanced genotypes might be easier to decipher as compared to research.

My thoughts were for to use 3 row plots and one row free between plots, of 23 feet between buttons, 3 feet alleys and widen it later to 6 feet (or tractor width) when the plots have reached heading stage with the land mower and before any lodging occurs.

Nursery rows we may work 'em out with the cable we already purchased which is I believe 20 feet long between buttons and likely keep it with 3 feet alleys.

Because of the collaboration with TAMU (Bill), and data shared, it makes sense to consider some form of standardization between these two research groups to make sense out of the data specially when looking into the near future making wide area and multiple year analysis and the experiences learned with the equipment they already have and we used. I talked with Bill in regard to this topic and we kept some discussion going but haven't board the topic lately.

Bill do you want to share your thoughts?

Thanks,
Edgar

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

From: Jeff Gwyn
Sent: Wednesday, February 04, 2009 11:57 AM
To: Edgar Haro
Cc: Bud Wylie
Subject: question

Bud is getting cables together and buying for the planters he has. It is imperative that Breeding and Agronomy use the same size plots for us to be able to share equipment. What is your desired plot length and alley size for yield trials. If you want something different for nursery, which would only affect Breeding at CSRC need to know that to. So,

- Do you prefer a cable with 23 foot buttons where you could do a 20 foot plot and 3 foot alley, or
- A cable with 20 foot buttons for 17 foot plot and a 3 foot alley, or
- Something else?
- Also, what length of cable to fit any field any where? The longest field we have at CSRC is about 950 feet, so that what I advise for maximum flexibility.

Please advise.

J. Jefferson Gwyn, Ph.D.
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
805.490.0070
www.ceres.net

From: [Jeff Gwyn](#)
To: [Bill Rooney](#)
Cc: [Walter Nelson](#)
Subject: question
Date: Tuesday, January 20, 2009 2:39:43 PM

Have you gotten any feedback from Peter S. re the list of mapping populations?

Please advise.

J. Jefferson Gwyn, Ph.D.
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
805.490.0070
www.ceres.net

From: [Jeff Gwyn](#)
To: [Bill Rooney](#)
Subject: question
Date: Wednesday, March 04, 2009 10:21:50 AM
Importance: High

Inbred sweets from KY. Is that a UofK or USDA program?

J. Jefferson Gwyn, Ph.D.
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
off 979.272.2265
fax 979.272.2269
cell 805.490.0070
www.ceres.net

From: [Jeff Gwyn](#)
To: [Bill Rooney](#)
Subject: question
Date: Wednesday, May 20, 2009 11:37:39 AM

What herbicide regime do you use on your nursery (inbreds) and yield trials? Do you treat everything?

We are not treating with Concep so evaluating our choices. So far have only come up with atrazine or propazine at a reduced rate for inbreds.

Please advise.

J. Jefferson Gwyn, Ph.D.
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
off 979.272.2265
fax 979.272.2269
cell 805.490.0070
www.ceres.net

From: [Jeff Gwyn](#)
To: [Bill Rooney](#); [Edgar Haro](#)
Cc: [Walter Nelson](#); [Patricia Klein](#); [Sharma, Arun](#); [Dustin](#); [Collins, Stephen D](#)
Subject: RE: anthracnose nursery
Date: Monday, February 02, 2009 4:27:10 PM

Bill:

Currently we are planning sorghum trials in NE Louisiana and the panhandle area/SE Alabama as locations in concert with our Agronomy team. I would suggest picking one, likely the LA site as we will be doing more of the work ourselves from here. Work with Edgar to fit this in as we will have to account for the acreage very soon.

J. Jefferson Gwyn, Ph.D.
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
805.490.0070
www.ceres.net

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Monday, February 02, 2009 10:34 AM
To: Jeff Gwyn; Edgar Haro
Cc: Walter Nelson; 'Patricia Klein'; 'Sharma, Arun'; 'Dustin'; 'Collins, Stephen D'
Subject: anthracnose nursery

Jeff and Edgar:

I'm working up plans for the anthracnose mapping populations and wanted to check on the availability of test space in the Southeastern U.S. (we had discussed this in the December meeting).

The primary population:

. We need at least two replications in a location. We will plant that here in CS, and I would like at least one location in the Southeast (two would be better, to minimize any problems with weather).

The second (different susceptible parent) is in the and has . Because it is in the , I plan on evaluating it in College Station only. If all looks good from initial work in 2009, then we can go to the in 2010.

If you can let me know proposed location (or locations), and the production specifics (plot sizes, herbicide, irrigation or not, etc), we can start preparing trials and packaging seed (what size envelopes?). Remember, we will need 250 plots/location.

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

From: [Edgar Haro](#)
To: [Bill Rooney](#)
Subject: RE: anthracnose nursery
Date: Tuesday, April 21, 2009 7:52:52 AM

Bill,

Can you share a electronic copy of the materials in the anthracnose nursery.
That may make life easier entering into the system.

Thanks,
Edgar

From: [Walter Nelson](#)
To: [Helms, Adam](#); [Jeff Gwyn](#); [McCutchen, Bill](#); [Avant, Bob](#); wlr@tamu.edu
Cc: [Simpson, Shay](#)
Subject: RE: ARPA Discussions
Date: Monday, May 18, 2009 1:33:38 PM

Thanks Adam, yes, I can make that work.

Bob, as we had discussed, I asked Steve Thomas about _____ and his opinion was that a) there are probably only a few small activities that they can do that we cannot and b) if could potentially make the application more attractive if JBEI is on the application, even if only as a small component.

We should discuss on this call what, if anything, would make sense to include.

W

From: Helms, Adam [<mailto:ahelms@dsmail.tamu.edu>]
Sent: Monday, May 18, 2009 8:50 AM
To: Walter Nelson; Jeff Gwyn; McCutchen, Bill; Avant, Bob; wlr@tamu.edu
Cc: Simpson, Shay
Subject: Re: ARPA Discussions

Walter & Jeff,

Would you two be available for a call at 4pm CST this Thursday to discuss the _____ ?

Thanks,

Adam

Adam Helms
AgriLife Corporate Relations
9792550752 (cell)
9794582677 (office)

From: Simpson, Shay <shay-simpson@tamu.edu>
To: Adam Helms <ahelms@tamu.edu>
Cc: Walter Nelson <wnelson@ceres.net>
Sent: Mon May 18 10:27:24 2009
Subject: ARPA Discussions

Adam:

Here is Walter's email address.
Shay

Shay L. Simpson
Associate Director, Corporate Relations
Texas AgriLife Research
979-845-6315 Tel
shay-simpson@tamu.edu

From: [Spencer Swayze](#)
To: [Bill Rooney](#); [Avant, Bob](#); [Helms, Adam](#); [Spurlin, Shayna](#)
Subject: RE: BRDI
Date: Friday, March 06, 2009 11:34:02 AM

Bill,

This email is to confirm that Ceres is comfortable with the pre-proposal. Just to confirm, we are comfortable with the version including only Ceres as the industry collaborator. One suggestion may be to add clarity to Ceres role (e.g. commercialization activities). If you make any changes, please send them to me to take another look at. We look forward to working on the full application with you!

Best regards,

Spencer P. Swayze
Manager of Business Development
Ceres, Inc. "*The Energy Crop Company*®"
sswayze@ceres-inc.com
Office: (805) 376-6508
Mobile: (805) 407-8799
www.ceres.net

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

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Thursday, March 05, 2009 4:00 PM
To: Spencer Swayze; 'Avant, Bob'; 'Helms, Adam'; 'Spurlin, Shayna'
Subject: BRDI

Spencer and Bob:

Please send revision via track changes and send to Adam, Shayna and myself. WE will make final edits and submit tomorrow.

There are certainly room for new number and greater impact. I alway acceptable to someone else inserting that information.

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: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: confirmation letter for CPBR
Date: Thursday, June 25, 2009 11:00:17 AM

I called Steve about this. Have you herd from him or gotten what you need?

W

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

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

From: Bill Rooney <wlr@tamu.edu>
Sent: Wednesday, June 24, 2009 9:41 AM
To: 'Steven Thomas' <sthomas@ceres-inc.com>
Cc: 'Walter Nelson' <wnelson@ceres.net>; 'Karen Prihoda' <kprihoda@yahoo.com>
Subject: confirmation letter for CPBR

Steve:

I haven't yet received a confirmation letter of support for the grant.
Any chance it got sent to the wrong address or fax?

Fax number is 979 862 1931. E-mail to me and copy karen prihoda (address above).

regaards,

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: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: Couple of questions
Date: Thursday, April 09, 2009 11:10:35 AM

Sounds good Bill. I think Clint is doing two plantings of things for evaluation, so we have some time on the sudans.

Regarding Arica, Chile and a short-day nursery, we've had some discussions with the group there and internally and decided not to do it this year. Turns out it's pretty cold there despite the latitude...average high's and lows of 60s and 50s through the winter growing season. They have a tough time with corn if planted after April 15 due to the low temps, so we decided we would be asking for trouble with sorghum.

Lastly, do you know the name of and where to buy that microbicide/stabilizing solution you guys use for the sweet sorghum juice?

Thanks,

Walter

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Wednesday, April 08, 2009 4:55 AM
To: Walter Nelson
Subject: RE: Couple of questions

Walter:

We just finished up and I'm sitting in the airport waiting to go home. However, this e-mail may not go out until tomorrow morning (because I'm too cheap to pay for the service).

We have seed of the sudans and I have no problem with providing small quantities for evaluation and increase. I need to get the go ahead from Peter - I have a meeting with him Monday.

I found out last week that Jorge is going back to Brazil to work for Syngenta. His last day at Weslaco is April 15, so he is gone after this week. The _____ will continue and I don't expect that this changes all that much (at least when it involves sorghum). So your response is appropriate.

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, April 07, 2009 12:43 PM

To: Bill Rooney

Subject: Couple of questions

Hi Bill,

Hope you're not working too hard and finding some time to enjoy yourself a bit in Puerto Rico.

Two items:

Clint is doing some bloom date experiments in Amarillo and asked if there were any new materials coming out of your program. I mentioned those sudans you have developed. I am still interested in them. The new amendment I just did allows us to evaluate program materials from the program for things like this. If you have some seed from those for Clint to start looking at, do send it his way. I was also going to ask if you would be able to increase them a bit this season for handoff for production next year if you feel it appropriate to start preparing for that. We can discuss more later.

Also, we heard that Jorge da Silva left for Syngenta. An email went around here asking if his departure would affect the wide crossing project/pre-proposal. My response was we were fine in that you are the driver of that project and Mike Gould could fill any gaps if needed. Let me know if that was the correct response.

Thanks,

Walter

From: [Walter Nelson](#)
To: [Steven Thomas](#); wlr@tamu.edu
Subject: RE: CPBR letter
Date: Tuesday, June 16, 2009 1:18:39 PM

Bill,

I just gave Steve the background on the _____
and am sending him the supplemental budget which can be used as the cost
share. It addresses some of his questions below, but not all of them.

W

From: Steven Thomas
Sent: Tuesday, June 16, 2009 11:08 AM
To: 'wlr@tamu.edu'
Cc: Walter Nelson
Subject: CPBR letter

Hi Bill,

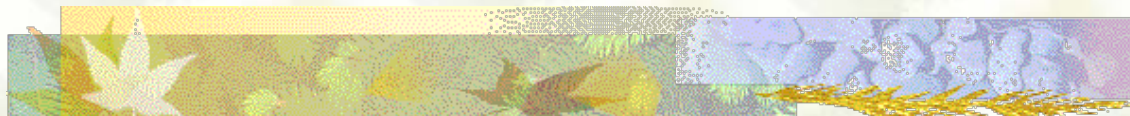
Walter tells me that you have requested a letter of support from Ceres for your CPBR proposal. I'll be happy to do this for you if you can send me at least an outline of your proposal (CPBR poster?), and some budgetary guidelines. I'll need to stipulate some dollar amount, and I believe the guidance is for a minimum 20% non-federal cost share, correct? Do you feel there is any opportunity for in-kind support of the project? If so, I'd like to take advantage of that and include it in the letter. Also, when do you need the letter?

If you think we should talk through this, let me know when you are available and I will call you.

Thanks and best regards, Steve

Steven R. Thomas, Ph.D.
Director of Bioproducts
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320

ph: (805) 376-6514
cell: (805) 807-6412
email: sthomas@ceres-inc.com
web: <http://www.ceres.net>



From: [Steven Thomas](#)
To: [Bill Rooney](#)
Cc: [Walter Nelson](#)
Subject: RE: CPBR letter
Date: Tuesday, June 16, 2009 4:52:23 PM

Thanks for sending this, Bill. So, it looks like I should write a letter

One thought right now: Are you planning on relying on a
or your own method?

Good talking with you, Steve

Steven R. Thomas, Ph.D.
Director of Bioproducts
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320

ph: (805) 376-6514
cell: (805) 807-6412
email: sthomas@ceres-inc.com
web: <http://www.ceres.net>

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Tuesday, June 16, 2009 2:05 PM
To: Steven Thomas
Subject: RE: CPBR letter

Here is a first draft, obviously subject to change...

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: Steven Thomas [<mailto:sthomas@ceres-inc.com>]
Sent: Tuesday, June 16, 2009 1:08 PM
To: wlr@tamu.edu
Cc: Walter Nelson
Subject: CPBR letter

Hi Bill,

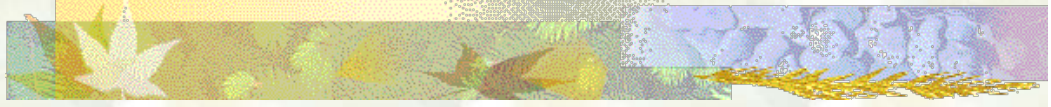
Walter tells me that you have requested a letter of support from Ceres for your . I'll be happy to do this for you if you can send me at least an outline of your proposal and some budgetary guidelines. I'll need to stipulate some dollar amount, and I believe the guidance is for a minimum 20% non-federal cost share, correct? Do you feel there is any opportunity for in-kind support of the project? If so, I'd like to take advantage of that and include it in the letter. Also, when do you need the letter?

If you think we should talk through this, let me know when you are available and I will call you.

Thanks and best regards, Steve

Steven R. Thomas, Ph.D.
Director of Bioproducts
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320

ph: (805) 376-6514
cell: (805) 807-6412
email: sthomas@ceres-inc.com
web: <http://www.ceres.net>



From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: dates for Vallarta
Date: Thursday, January 29, 2009 1:37:01 PM

Sounds good. Will try booking a flight tonight for those dates and will send the details around. Just so you, Dr. Gwyn expressed interest in tagging along as well....

W

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

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

From: Bill Rooney <wlr@tamu.edu>
Sent: Thursday, January 29, 2009 12:16 PM
To: 'Walter Nelson' <wnelson@ceres-inc.com>
Subject: RE: dates for Vallarta

Walter:

I'm confirmed for a meeting here on the 16th, so I would propose travel to Vallarta on Tuesday Feb17 (arrival mid-day) and a departure on mid-day Feb 19.

Unless I hear otherwise, I'll assume that will work for you folks as well.

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-inc.com>]
Sent: Thursday, January 29, 2009 10:18 AM
To: Bill Rooney
Subject: RE: dates for Vallarta

Just heard back from Edgar. He is flexible on the timing. Was going to propose flying in on the 16th and out on the 18th. What do you think?

W

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

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

From: Bill Rooney <wlr@tamu.edu>
Sent: Thursday, January 29, 2009 10:34 AM
To: 'Walter Nelson' <wnelson@ceres-inc.com>
Subject: dates for Vallarta

Walter:

I know you are traveling, but I was wondering if you had followed up with Edgar on a visit to Vallarta the week of Feb 16? If so, were there particular dates that were settled? I've got another obligation for that week, but I've told them I can't schedule until this Vallarta trip date is finalized.

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: [Spencer Swayze](#)
To: [Spurlin, Shayna](#); [Avant, Bob](#); [Helms, Adam](#); [Simpson, Shay](#)
Cc: [Bill Rooney](#)
Subject: RE: Documenting the Matching on BRDI 424 form
Date: Thursday, March 05, 2009 7:50:24 PM

Thanks Shayna!

Sounds good to me. That is how we have approached it in the past. Because the primary Applicant is Texas A&M, the rest will be subcontract.

Best regards,

Spencer P. Swayze
Manager of Business Development
Ceres, Inc. "*The Energy Crop Company*®"
sswayze@ceres-inc.com
Office: (805) 376-6508
Mobile: (805) 407-8799
www.ceres.net

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

From: Spurlin, Shayna [mailto:sfspurlin@tamu.edu]
Sent: Thursday, March 05, 2009 4:25 PM
To: Avant, Bob; Helms, Adam; Simpson, Shay
Cc: Bill Rooney; Spencer Swayze
Subject: Documenting the Matching on BRDI 424 form

Good news ... I called Patt to clarify again on how we should be

If anyone sees a problem with this or has any objections, please let me know.

Thanks!
Shayna

From: [Walter Nelson](#)
To: [John Mullet](#)
Cc: [Bonnie Hames](#); [Bill Rooney](#); [Steven Thomas](#)
Subject: RE: DOE proposal participation
Date: Sunday, February 08, 2009 8:33:43 PM

Hi John,

It's a great opportunity and happy to discuss participating. The one thing we always have to try to keep in mind, as you have mentioned already, is that we do this in such a way as to maintain a competitive position with the technology as best we can for both A&M and Ceres.

Should we schedule a call to discuss a bit more? Monday is pretty full for me, but Tuesday is relatively open. We will also need to involve Steve Thomas as he is helping to coordinate the R&D grants here at Ceres.

Walter

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

From: John Mullet [<mailto:jmullet@tamu.edu>]
Sent: Thursday, February 05, 2009 8:10 AM
To: Walter Nelson
Cc: Bonnie Hames; Bill Rooney
Subject: DOE proposal participation

Hi Walter,

Bonnie suggested I contact you to discuss possible Ceres participation in a _____ I am just starting to work on (due 2/18). I think these are two year grants (10/09-10/11).

The overall goal of the proposal

Let me know what you think,

Thanks,

John

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: Embrapa contact and female increases
Date: Friday, July 24, 2009 8:41:48 AM

My view on the females is that the primary purpose is to simply get enough hybrid seed for all the testing and market development activities we are doing. I have always known that more advanced, "cleaned up" and tested lines were needed as part of going through a more rigorous product development process. Of course it would be nice if we could commercialize these things directly, but if they allow us to produce enough hybrid seed for testing with sufficient roguing and buy time for better things to come through, they will have served their purpose....

I will let you know the scope of the issue once we have a better handle on it.

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Thursday, July 23, 2009 12:21 PM
To: Walter Nelson
Subject: RE: Embrapa contact and female increases

Walter:

The e-mail contact that I have for Geraldo de Franca is

Not happy to hear that you've got fertiles. Hopefully it is not a large problem, but I agree, we need to continue to push harder on the females to reduce the chances of this ever happening.

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: Thursday, July 23, 2009 9:04 AM
To: Bill Rooney
Subject: Embrapa contact and female increases

Bill,

Can you send me Geraldo's contact information? Spencer and I are gearing up for another trip to Brazil and we wanted to follow up with some contacts there at Embrapa.

Also, wanted to let you know that Clint called yesterday and said we appear to be having some problems with the parental line increases we are doing for the sweet females. He mentioned a high frequency of shedders as well as some segregating head types. Will be probably another week or two before we know exactly what's going on, but wanted to give you a heads up that there may be an issue. Mike didn't seem to be too concerned about it and was just planning to have them rogue everything a lot harder, but this will probably increase the urgency of getting some alternate/more advanced females into production.

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Tuesday, May 26, 2009 1:00 PM
To: Walter Nelson
Subject: RE: Possible Meeting

Walter:

Dr. Geraldo De Franca is (or was last time I asked) quite high in the EMBRAPA administration. I don't know if he will be there but he is the contact with whom I have know since the late 1980s'. I haven't spoken with Geraldo about sweet sorghum in nine months or so - th emost recent discussion have been about his son coming to College Station for a internship with our program next year.

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, May 26, 2009 11:25 AM
To: Bill Rooney
Subject: RE: Possible Meeting

Thanks Bill...will send Omar a note.

Quick question. Who is the senior guy at Embrapa that you said used to be at A&M and is a key player for sweet sorghum interest there? I am going to a big conference in Sao Paulo next week and was going to look for him and also need to talk to McCutchin about what he has in mind for this "joint" program that he brought up at the last quarterly.

Thanks!

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Tuesday, May 26, 2009 6:13 AM
To: 'Omar A Diaz'
Cc: Jorgebdelatorre@gmail.com; 'Jorge de la Torre Valdes'; Walter Nelson
Subject: RE: Possible Meeting

Omar:

Thanks for your interest in testing sweet sorghum in the DR. I don't provide adequate

quantities of seed to do large scale testing and I don't commercialize the hybrids. Ceres, Inc. is an Energy Crop Breeding Company that is testing and may eventually develop a commercial version of some of our sweet sorghum hybrids. Mr. Walter Nelson is their sorghum product manager and he would be a primary contact for larger scale testing when they have seed available.

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: Omar A Diaz [mailto:omar.diaz@transseed.com]

Sent: Monday, May 25, 2009 11:59 AM

To: Bill Rooney

Cc: Jorgebdelatorre@gmail.com; Jorge de la Torre Valdes

Subject: RE: Possible Meeting

Importance: High

Hi Bill

It has been a while, but wanted to take the opportunity to say hi and wish you a good memorial day. Jorge and I are contemplating testing your best sorghum hybrids in the Dominican Republic and analyze behaviour. I believe this is an opportunity to either have you visit us yourself or allow us to test the varieties. We could arrange for a small shipment to DR or your visit, considering your schedule I'd dare say it'd be best to arrange a sample. Please let me know costs associated with either option. This should potentially be a major crop in the country and your expertise along the process among other things will be highly appreciated.

Look forward to hearing from you.

Warm Regards

Omar A. Diaz
USA: 214-914-6664
Fax: 517-947-6664
Mob: 972-904-2296

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

Subject: RE: Possible Meeting

From: "Bill Rooney" <wlr@tamu.edu>
Date: Fri, May 30, 2008 10:49 am
To: "'Omar A Diaz'" <omar.diaz@transseed.com>

Thanks, Omar

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: Omar A Diaz [<mailto:omar.diaz@transseed.com>]
Sent: Friday, May 30, 2008 10:47 AM
To: Bill Rooney
Cc: Jorge de la Torre Valdes
Subject: RE: Possible Meeting
Importance: High

Bill

I'd like to thank you again for your time and the outstanding attention you paid to us during our visit last Wednesday. We are in the planning stages and are considering your consulting services and maybe the research part we talked about. We will be in touch soon, or if we have any questions.

Have a great weekend.

Omar A. Diaz
Exec VP Business Development
TransSeed Biofuels International.
www.transseed.com
1330 Post Oak Blvd., Suite 1600
Houston, Texas 77056 USA
USA: 214-914-6664
Fax: 214-576-2794
Mob: 972-904-2296
DR: 829-948-3565

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

Subject: RE: Possible Meeting
From: "Bill Rooney" <wlr@tamu.edu>
Date: Wed, May 28, 2008 7:27 am

To: "'Omar A Diaz'" <omar.diaz@transseed.com>

Omar:

When you get near please call me at the office 979 845 2151 or my cell 979 220 1951, and I'll get you directions.

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: [Walter Nelson](#)
To: [Bill Rooney](#); [Clint Johnson](#)
Cc: [Collins, Stephen D](#); [dustin borden](#)
Subject: RE: ES5201
Date: Friday, July 03, 2009 10:36:24 PM

Bill,

Thanks for letting us know. We have not gotten any reports yet of the same thing elsewhere, but you were one of the first groups to plant so it would not be a surprise if it showed up there first. Also, many other locations are irrigated, including the growouts done in the winter nurseries, and hence the problem just hasn't been picked up due to the masking by the photoperiod-sensitive growth.

The strange thing is that the _____ gave the best yields in the winter evaluations in Chile and Argentina. Key note is that these were irrigated.

We will go through the available information on Monday to see if we can figure out what's going on.

Thanks,

Walter

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Friday, July 03, 2009 5:04 PM
To: Walter Nelson; Clint Johnson
Cc: 'Collins, Stephen D'; 'dustin borden'
Subject: ES5201

Walter and Clint:

After working out the details, the _____ that you sent down this way appears to be about 30% female. It took awhile to figure this out, but it is in fact _____ and the percentage of flowering plants (all seed parent height but variable due to the variation in a single cross seed parent) is about 30% - I've confirmed it in larger strip tests we planted and in replicated tests that we have included it in.

I don't know if you are seeing the same thing, but it is consistent in the plots that we have planted here in CS.

It is not as noticeable in the irrigated trials as the PS material is masking the presence of the flowering types, but in the dryland, that hybrid didn't growout as fast and quite frankly it does not look good at all. Hopefully, we'll get some rain and minimize the problem.

Ironically, I've seen very little to no contamination in the _____ from Puerto Vallarta. Go figure.

I know you sent the same seed to Jurg's group, but I have not checked with them to determine the situation. I just wanted to make you aware of this in case you start seeing it elsewhere.

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: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: florida
Date: Monday, March 23, 2009 8:35:43 AM

That would be great Bill. I'd be happy to speak to them.

Interesting that they're doing all They'll probably have to harvest it all at the same time...would seem to make more sense to use some of the non photo sensitives to gage yield throughout the season....

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Sunday, March 22, 2009 3:08 PM
To: Walter Nelson
Subject: florida

Walter:

When I was in Florida in January, I mentioned that I was visiting with a group that is planning to generate power from sweet sorghum bagasse and make ethanol from the sugar.

Eventually, they will be needing a fair amount of seed, but right now they are starting to scale up by planting 10 acre plots on a monthly basis of to establish yield potential in their location. They plan to start commercial production and power generation in the fall of 2010, but I expect it might likely be the spring of 2011. For the full details, give me a call and we can discuss.

Anyway, they would like to visit with Ceres. If you are willing, I'll put you in contact with them. I have not given them contacts for Ceres, but they do know that I am working with you and I have recommended that they visit with you.

Are you interested? 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

From: [Edgar Haro](#)
To: [Bill Rooney](#); [Walter Nelson](#)
Cc: [Clint Johnson](#)
Subject: RE: Hotel booking confirmation and flight info
Date: Tuesday, February 10, 2009 8:52:27 PM

Thanks Bill I will show up at the airport @ 3:30 pm.

Edgar

Edgar Haro PhD.
Senior Manager Sorghum Research
Ceres Inc.
(979) 324-8046

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Mon 2/9/2009 7:53 PM
To: Edgar Haro; Walter Nelson
Cc: Clint Johnson
Subject: RE: Hotel booking confirmation and flight info

Edgar and Walter:

Below is the schedule for my trip to Vallarta next week. The closest time of arrival to Walter that I could get was the 2:10 pm arrival, which is about 1:45 earlier than Walter. I will plan on waiting on Walter to arrive so that we can both be picked up at the same time. There is no need to drive back and forth to the airport all afternoon..... I leave at the same time as Walter..... so departure is not a problem.

Looking forward to the visit.

Regards,

bill

Flight: from HOUSTON BUSH INTL to PTO VALLARTA MEX

Day and Date: Tue, 2/17/2009

Flight: CO 1838

Class: N

Depart: HOUSTON BUSH INTL, 11:25AM

Arrive: PTO VALLARTA MEX, 2:10PM

Equipment: 737-900

Meal: Snack

Flight: from PTO VALLARTA MEX to HOUSTON BUSH INTL

Day and Date: Thu, 2/19/2009

Flight: CO*2104

*Operated by EXPRESSJET AIRLINES INC doing business as CONTINENTAL EXPRESS

Class: N

Depart: PTO VALLARTA MEX, 4:35PM

Arrive: HOUSTON BUSH INTL, 6:58PM

Equipment: ERJ-145

Meal:

Traveler (1):

ROONEY/WILLIAM

eTicket Number: 0052178192265

Frequent Flyer:

Seat(s) listed in flight order and subject to change: 9B/7D/32F/1A

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: Sunday, February 08, 2009 5:42 PM

To: Edgar Haro; Bill Rooney

Cc: Clint Johnson

Subject: Hotel booking confirmation and flight info

Edgar and Bill,

Just wanted to send you my flight details as well as the booking confirmation for Bill and I at the hotel. Let me know if you have any questions!

Walter

Name(s): WALTER NELSON
Confirmation Code: MJDDFD
Ticket Number: 0272130202245

ITINERARY

Tuesday, February 17, 2009

Depart: Los Angeles (LAX) at 11:15 AM
Arrive: Puerto Vallarta (PVR) at 4:10 PM
Flight: Alaska Airlines 258
Seat(s): Not Assigned
Aircraft: Boeing 737-900
Meal: Available For Purchase

Thursday, February 19, 2009

Depart: Puerto Vallarta (PVR) at 5:00 PM
Arrive: Los Angeles (LAX) at 6:10 PM
Flight: Alaska Airlines 259
Seat(s): Not Assigned
Aircraft: Boeing 737-900
Meal: Available For Purchase

Check in and print your boarding pass 1 to 24 hours prior to your scheduled departure.

Thank you for choosing Alaska Airlines and Horizon Air

From: donotreply@hotels.com
Sent: Sunday, February 08, 2009 11:01 AM
To: wnelson1234@yahoo.com
Subject: Hotel booking confirmation



YOUR RESERVATION HAS BEEN BOOKED!

Villa Varadero

1-52-4616130466
Lotes 84-85 Ret Nayrit
Nuevo Vallarta, MX

Check-In: Feb 17, 2009 | Check-Out: Feb 19, 2009

Guest: WALTER NELSON
Hotels.com Booking Number: 065006767
Guest: WILLIAM ROONEY
Hotels.com Booking Number: 065006768

Guest Rating

2.0

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| Condition | 1 | 2 | 3 | 4 | 5 | |
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|----------------------|---|---|---|---|---|
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| Convenience | 1 | 2 | 3 | 4 | 5 |
| Neighborhood | 1 | 2 | 3 | 4 | 5 |
| Price | 1 | 2 | 3 | 4 | 5 |
| Value | 1 | 2 | 3 | 4 | 5 |
| Overall Satisfaction | 1 | 2 | 3 | 4 | 5 |

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YOUR RECEIPT



Villa Varadero

Lotes 84-85 Ret Nayrit
Nuevo Vallarta, MX
[View Map](#) | [Driving Directions](#)

Check-In: Feb 17, 2009
(check-in time: 5 p.m.)

Check-Out: Feb 19, 2009
(check-out time: 1 p.m.)

2 Adults, 0 Children
One Bedroom Suite-Breakfast Plan
WALTER NELSON
One Bedroom Suite-Breakfast Plan
WILLIAM ROONEY

Rates per Room

(excluding tax recovery charges and our service fees.)

Feb 17, 2009 ---- ~~\$127.00~~ \$101.60
Feb 18, 2009 ---- ~~\$127.00~~ \$101.60

Extra Person Fees \$0.00

Tax Recovery Charges \$73.16
& Service Fees

Total Charges \$479.56

(includes tax recovery charges and our service fees.)

Payment Information

Payment Method: Credit Card
Card Number: *****1003

Amount Charged: \$479.56

Balance Due: \$0.00

Currency displayed in USD

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From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: lagf
Date: Wednesday, June 17, 2009 1:55:17 PM

Sounds good to me. Just let me know if I can help with anything (happy to contact them as well etc...).

Am also checking into taking you to some of our other plots in LA that I thought you might like to see, but am dealing with CDA issues etc...

W

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Wednesday, June 17, 2009 11:45 AM
To: Walter Nelson
Subject: RE: lagf

Walter

I'll call Juan Pablo on Friday - that'll give me time to confirm my availability.

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: Wednesday, June 17, 2009 8:01 AM
To: Bill Rooney
Subject: RE: lagf

I had not yet as I figured I'd check with you first. Would you like to drop them a line or would you like me to? I would have to go through Spencer or Bud as I have not met them yet.

W

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

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

From: Bill Rooney <wlr@tamu.edu>

Sent: Wednesday, June 17, 2009 4:37 AM

To: 'Walter Nelson' <wnelson@ceres.net>

Subject: lagf

Walter:

Have you contacted LAGF about the possibility of a Tuesday visit?

It's looking like I could do a one day (there and back) trip, if you still
would like to do so

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: [Jeff Gwyn](#)
To: [Bill Rooney](#)
Subject: RE: letter of commitment for SunGrant Proposal
Date: Friday, March 27, 2009 9:38:01 AM

Walter is ferreting through the system to see who to do this.

I would be more than happy to write a letter to commit you.

Lunch next week?

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Wednesday, March 25, 2009 9:39 AM
To: Walter Nelson
Cc: Jeff Gwyn
Subject: letter of commitment for

Walter and Jeff:

I've talked to Walter about the _____ as a collaborator on this project.

I've attached a first rough draft of the proposal for you to read.

The only item that I need from

Since these are a real pain, I've taken the liberty of drafting some general "feel good" statements. Please use it as appropriate.

I'll need a signed, letterhead version. I think it would be best to have both the research director and the product manager signatures, but I'll take either.

If you have questions, please 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

DRAFT

March 25, 2009

From: [Walter Nelson](#)
To: [John Mullet](#)
Cc: [Bob Avant](#); [Bill Rooney](#); [Bill McCutchen](#)
Subject: RE: NUE/salt tolerant sorghum
Date: Friday, May 08, 2009 11:12:24 AM

Agreed. We have been watching these press releases trickle out over the past few weeks as well.

As you can probably guess, we do not have a shortage of similar traits validated in various species that are probably as good if not better than what Arcadia has, but I have struggled with the question of whether to approach these areas from a breeding/MAB approach or a trait approach (or both?).

We should discuss more at the next quarterly.

W

From: John Mullet [mailto:jmullet@tamu.edu]
Sent: Friday, May 08, 2009 5:37 AM
To: Walter Nelson
Cc: Bob Avant; Bill Rooney; Bill McCutchen
Subject: NUE/salt tolerant sorghum

Walter,

I am sure you are aware of this. Clearly we need to accelerate our traits pipeline development.

Thanks, John

[Arcadia Biosciences Collaborates for Salt Tolerant Sorghum](#)

[Advanta](#), - formerly Garrison & Townsend seed - a sorghum seed research and marketing company, has reached a research and commercial development agreement with [Arcadia BioSciences](#) for the development of Salt-Tolerant sorghum. Arcadia's Salt-Tolerance technology allows plants to produce normal yields and grain quality under salty water and soil conditions. This expands the range of lands available for crop production and reduces requirements for fresh water. The expected result will be high-yielding crops with a lower impact on the environment and an ability to grow on land currently not suitable for productive farming.

In addition, sweet sorghum has tremendous potential as a biofuels source. By combining technologies such as NUE and Salt Tolerance, Advanta and Arcadia anticipate development of a sweet sorghum biofuels crop that will be a highly efficient alternative fuel source. This can be done while reducing the environmental impact and requiring less fresh water

From: [Walter Nelson](#)
To: [Bill Rooney](#); "[Walter Nelson](#)"
Subject: RE: ok with collaborator on the
Date: Friday, February 27, 2009 11:15:17 AM

Bill, looks fine. Thanks for including us.

Main comments are to add list (currently we are only in the body of the preproposal). Other comment is that hybrid seed is no problem, but if you're thinking pretty big plots it would be helpful to me if you designate funds for that seed. If we keep it small, probably not a problem, but I wasn't sure the scale you had in mind based on what's written there.

Thanks again,

Walter

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

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

From: Bill Rooney <wlr@tamu.edu>
Sent: Friday, February 27, 2009 7:09 AM
To: 'Walter Nelson' <wnelson@ceres.net>
Subject: ok with collaborator on the SC Sungrant

Walter:

We talked about this last week, but I wanted to confirm before I list.

Are you agreeable to being a collaborator on our draft of the narrative is included with ? A
as a collaborator. I
expect contribution to be seed etc.

If you've got issues, questions, send me an e-mail/give me a call.

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: [Jeff Gwyn](#)
To: [Edgar Haro](#)
Cc: [Bud Wylie](#); wlr@tamu.edu
Subject: RE: Plot sizes and shapes
Date: Wednesday, February 04, 2009 2:04:38 PM

Spoke at length to Bill and Edgar, Bud, and all have discussed various issues and reasoning. It looks like the 23 foot button is the way to go. Extra widening of the alley may assist in harvest. Our design of harvester coupled with earlier harvest (data now from Bill indicates no rank changes), using a different weigh system with lower tolerance, and possibly a different header (Kemper?) will alleviate most if not all of the problems. Although an ingenious idea, 3 row plots are probably not necessary and in fact will likely create more problems with planting, lodging and weeds than it will solve. All in all, using what you know now, we can design our yet to be built harvest around the problems, as well as make it mobile for off-station locs.

Bud: 23 foot buttons, 900 – 1000 ft cables

J. Jefferson Gwyn, Ph.D.
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
805.490.0070
www.ceres.net

From: Edgar Haro
Sent: Wednesday, February 04, 2009 12:33 PM
To: Jeff Gwyn
Cc: Bud Wylie; Bill Rooney [wlr@tamu.edu]
Subject: Plot sizes and shapes

This past season left us (Bill and myself) with a great sense of urgency to research on plot sizes and shapes to ease the harvesting management with the actual equipment used. I don't know, and I don't believe anyone else knows (data on hand) if there is a better harvester equipment to handle different levels of leaning/lodging given the great diversity on our germplasm. I can understand other groups handling fewer and pre-selected and more advanced genotypes might be easier to decipher as compared to research.

My thoughts were for YT's to use 3 row plots and one row free between plots, of 23 feet between buttons, 3 feet alleys and widen it later to 6 feet (or tractor width) when the plots have reached heading stage with the land mower and before any lodging occurs.

Nursery rows we may work 'em out with the cable we already purchased which is I believe 20 feet long between buttons and likely keep it with 3 feet alleys.

Because of the collaboration with TAMU (Bill), and data shared, it makes sense to consider some form of standardization between these two research groups to make sense out of the data specially when looking into the near future making wide area and multiple year analysis and the experiences learned with the equipment they already have and we used. I talked with Bill in regard to this topic and we kept some discussion going but haven't board the topic lately.

Bill do you want to share your thoughts?

Thanks,

Edgar

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

From: Jeff Gwyn

Sent: Wednesday, February 04, 2009 11:57 AM

To: Edgar Haro

Cc: Bud Wylie

Subject: question

Bud is getting cables together and buying for the planters he has. It is imperative that Breeding and Agronomy use the same size plots for us to be able to share equipment. What is your desired plot length and alley size for yield trials. If you want something different for nursery, which would only affect Breeding at CSRC need to know that to. So,

- Do you prefer a cable with 23 foot buttons where you could do a 20 foot plot and 3 foot alley, or
- A cable with 20 foot buttons for 17 foot plot and a 3 foot alley, or
- Something else?
- Also, what length of cable to fit any field any where? The longest field we have at CSRC is about 950 feet, so that what I advise for maximum flexibility.

Please advise.

J. Jefferson Gwyn, Ph.D.

Director of Breeding

Ceres, Inc.

3199 County Road 269 East

Somerville, TX 77879

805.490.0070

www.ceres.net

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: Possible Meeting
Date: Tuesday, May 26, 2009 11:20:52 AM

Thanks Bill...will send Omar a note.

Quick question. Who is the senior guy at Embrapa that you said used to be at A&M and is a key player for sweet sorghum interest there? I am going to a big conference in Sao Paulo next week and was going to look for him and also need to talk to McCutchin about what he has in mind for this "joint" program that he brought up at the last quarterly.

Thanks!

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Tuesday, May 26, 2009 6:13 AM
To: 'Omar A Diaz'
Cc: Jorgebdelatorre@gmail.com; 'Jorge de la Torre Valdes'; Walter Nelson
Subject: RE: Possible Meeting

Omar:

Thanks for your interest in testing sweet sorghum in the DR. I don't provide adequate quantities of seed to do large scale testing and I don't commercialize the hybrids. Ceres, Inc. is an Energy Crop Breeding Company that is testing and may eventually develop a commercial version of some of our sweet sorghum hybrids. Mr. Walter Nelson is their sorghum product manager and he would be a primary contact for larger scale testing when they have seed available.

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: Omar A Diaz [mailto:omar.diaz@transseed.com]
Sent: Monday, May 25, 2009 11:59 AM
To: Bill Rooney
Cc: Jorgebdelatorre@gmail.com; Jorge de la Torre Valdes
Subject: RE: Possible Meeting
Importance: High

Hi Bill

It has been a while, but wanted to take the opportunity to say hi and wish you a good memorial day. Jorge and I are contemplating testing your best sorghum hybrids in the Dominican Republic and analyze behaviour. I believe this is an

opportunity to either have you visit us yourself or allow us to test the varieties. We could arrange for a small shipment to DR or your visit, considering your schedule I'd dare say it'd be best to arrange a sample. Please let me know costs associated with either option. This should potentially be a major crop in the country and your expertise along the process among other things will be highly appreciated.

Look forward to hearing from you.

Warm Regards

Omar A. Diaz
USA: 214-914-6664
Fax: 517-947-6664
Mob: 972-904-2296

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

Subject: RE: Possible Meeting
From: "Bill Rooney" <wlr@tamu.edu>
Date: Fri, May 30, 2008 10:49 am
To: "'Omar A Diaz'" <omar.diaz@transseed.com>

Thanks, Omar

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: Omar A Diaz [<mailto:omar.diaz@transseed.com>]
Sent: Friday, May 30, 2008 10:47 AM
To: Bill Rooney
Cc: Jorge de la Torre Valdes
Subject: RE: Possible Meeting
Importance: High

Bill

I'd like to thank you again for your time and the outstanding attention you paid to us during our visit last Wednesday. We are in the planning stages and are considering your consulting services and maybe the research part we talked about. We will be in touch soon, or if we have any questions.

Have a great weekend.

Omar A. Diaz
Exec VP Business Development
TransSeed Biofuels International.
www.transseed.com
1330 Post Oak Blvd., Suite 1600
Houston, Texas 77056 USA
USA: 214-914-6664
Fax: 214-576-2794
Mob: 972-904-2296
DR: 829-948-3565

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

Subject: RE: Possible Meeting
From: "Bill Rooney" <wlr@tamu.edu>
Date: Wed, May 28, 2008 7:27 am
To: "'Omar A Diaz'" <omar.diaz@transseed.com>

Omar:

When you get near please call me at the office 979 845 2151 or my
cell 979 220 1951, and I'll get you directions.

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: [Jeff Gwyn](#)
To: [Walter Nelson](#); [Bill Rooney](#)
Subject: RE: Puerto Vallarta hotel
Date: Monday, February 02, 2009 11:58:35 AM

Thanks. I am looking at flights and such. Not sure whether I am in or not. Will figure out today.

J. Jefferson Gwyn, Ph.D.
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
805.490.0070
www.ceres.net

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

From: Walter Nelson
Sent: Monday, February 02, 2009 11:57 AM
To: Walter Nelson; Bill Rooney
Cc: Jeff Gwyn
Subject: Puerto Vallarta hotel

Bill and Jeff,

Edgar recommended this hotel in Neuvo Vallarta. It's a decent enough place and is inexpensive. Bill and I stayed there last year. Main drawback for it's a bit limited on food and conveniences if Edgar doesn't watch over us closely while there.

I'm fine with staying there, but wanted to check with you guys first. Alternatives would be the Marriott or other brand hotel on the strip. They'll cost a bit more and are a bit less convenient to the nursery location, but are a bit more tourist-friendly w.r.t. food and internet and such.

Let me know what you guys think and I'll make some reservations for Bill and I. Jeff, I'll let you fend for yourself unless you say otherwise as I wasn't sure if you are confirmed.

Walter

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

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

From: Edgar Haro <eharo@ceres-inc.com>
Sent: Saturday, January 31, 2009 6:24 AM
To: Walter Nelson <wnelson@ceres-inc.com>; Bill Rooney <wlr@tamu.edu>
Cc: Jeff Gwyn <jgwyn@ceres-inc.com>
Subject: RE: Travel to Puerto Vallarta

Walter, the suggestion is hotel Villa Varadero in Nuevo Vallarta.
Best prices through Orbitz.com

Edgar Haro PhD.
Senior Manager Sorghum Research
Ceres Inc.
(979) 324-8046

From: Walter Nelson
Sent: Fri 1/30/2009 5:41 PM
To: Bill Rooney
Cc: Edgar Haro; Jeff Gwyn
Subject: Travel to Puerto Vallarta

Bill,

Here are my flight details. I'm heading down there on Tuesday the 17th and back on the 19th. I will talk to Edgar about hotel arrangements.

Name(s): WALTER NELSON
Confirmation Code: MJDDFD
Ticket Number: 0272130202245

ITINERARY

Tuesday, February 17, 2009
Depart: Los Angeles (LAX) at 11:15 AM
Arrive: Puerto Vallarta (PVR) at 4:10 PM
Flight: Alaska Airlines 258

Thursday, February 19, 2009
Depart: Puerto Vallarta (PVR) at 5:00 PM
Arrive: Los Angeles (LAX) at 6:10 PM
Flight: Alaska Airlines 259

Walter

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Friday, January 30, 2009 1:56 PM
To: Walter Nelson
Subject: travel

Walter:

Have you settled on flight plans for Vallarta? Let me know ASAP - I'd like to make reservations this weekend....

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: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: questions
Date: Monday, June 22, 2009 7:20:34 AM

Thanks Bill.

Should we plan to leave by 5am or so?

Also, will you be at your office this afternoon at all?

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Sunday, June 21, 2009 7:01 PM
To: 'Juan Pablo Rebolledo R.'
Cc: 'Mauricio Santacoloma'; Walter Nelson
Subject: RE: questions

Juan Pablo:

We (Walter Nelson and I) will plan on being in Lacassine between 9:30 and 10 am. We'll leave no later than 2:00 pm.

As for the proposal, I have not yet heard anything. I expect to hear something by July 1.

See you on Tuesday.

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: Juan Pablo Rebolledo R. [mailto:juan.re@lagreenfuels.com]
Sent: Friday, June 19, 2009 6:44 PM
To: Bill Rooney
Cc: Mauricio Santacoloma
Subject: RE: questions

Hello Bill

You are very welcome here any time. To answer your questions:

1. Tuesday 23 June is good for me in the morning. Something around 8 or 9 to 12 pm. If you want after we review our program and go to the experimental trials, we can have lunch together.

2. We are willing to receive the Vice minister of agriculture from Ecuador to show him our project based on fermentable sugars from sweet sorghum. So, go forward and disclose our contact information to the TAMU people that is coordinating the visit.

I will look to see you soon,

Best Regards



Louisiana Green Fuels LLC

Juan Pablo Rebolledo R.

Agricultural Manager

juan.re@lagreenfuels.com

Phone: (337) 5884944 /5/6 Ext. 281

Mobil: (337) 4999897

Fax: (337) 5884493

14342 Walker Kimbrough

Lacassine, LA 70650, USA

From: Bill Rooney [mailto:wlr@tamu.edu]

Sent: Friday, June 19, 2009 12:34 PM

To: Juan Pablo Rebolledo R.

Subject: questions

Juan Pablo:

I've got two questions for you:

1. Mr. Walter Nelson, Sorghum Product Manager of Ceres, will be visiting me next Monday. He was interested in visiting LAGF on Tuesday if you were available. It wouldn't hurt me to see what you are up to and I could come along. However, I want to make sure that you are available for a mid day visit on Tuesday, June 23.

2. The vice-minister of agriculture of Ecuador is scheduled to make a visit to Texas A&M. They have specifically asked to visit with people who are working with sweet sorghum for ethanol production. I've agreed to visit with him in College Station on the development and logistics of sweet sorghum for energy. It might be interesting for him to visit your facility in Lacassine - IF YOU ARE WILLING FOR SUCH A VISIT. I have not disclosed your contact information to anyone regarding this visit. I wanted to make sure you would be interested before doing so. If you are interested, just let me know and I'll forward your contact information to the folks at TAMU who are developing the schedule. The date is not finalized as of yet.

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: [Nikolai Alexandrov](#)
To: [John Mullet](#)
Cc: [Bill Rooney](#)
Subject: RE:
Date: Thursday, June 11, 2009 2:55:49 PM

Thank you very much, John!

No, I don't have access to the information you have sent about the locations and genes related to . Walter explained that the licensing terms have not been finalized yet. I understand that there is no information about location of this markers in public domain? If not, it would be probably faster to rediscover them from scratch...

Nick

From: John Mullet [mailto:jmullet@tamu.edu]
Sent: Wednesday, June 10, 2009 3:59 PM
To: Nikolai Alexandrov
Cc: Bill Rooney
Subject: Re:

Nikolai,

Perhaps it would be good to generate an outline of what you want to accomplish and what information you are starting from.

I am thinking you want to generate _____ that
may be segregating in these genotypes.

Are you using the information I sent a while back to Ceres about the locations and genes corresponding to _____ (or the corresponding cDNA sequences) or in flanking genes?

We also can tap our DGA profiles of these genotypes to locate SNPs in unique sequences flanking the loci.

I will have to look into the Dw genotypes further.

Let me know if this is what you were looking for,

John

On Jun 9, 2009, at 7:38 PM, Nickolai Alexandrov wrote:

John, I'm looking at

Thanks,

-- *Nickolai Alexandrov*

From: [Bonnie Hames](#)
To: [Bill Rooney](#)
Subject: RE: scans to estimate composition
Date: Wednesday, April 01, 2009 10:56:10 AM

Bill,

I'm happy to help. Just send me the .NIR files. I still have files from John to analyze. I can do them at the same time. I'm in meetings all day, but I can get to this tomorrow.

Bonnie

Bonnie R. Hames, Ph.D.
Senior Manager of Chemistry
Ceres, Inc.
1535 Rancho Conejo Blvd
Thousand Oaks, CA 91320
phone: 1-805-376-6504 x1144
email: bhames@ceres-inc.com

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Wednesday, April 01, 2009 8:19 AM
To: Bonnie Hames
Subject: scans to estimate composition

Bonnie:

We've got a set of scans that were made on samples from last year and I'd like to get an estimate on the composition of these materials for selection purposes this spring.

Can you run it against your calibration curve and send the comp information back? If so, we'll send the scans to you ASAP.

If you find something interesting and you'd like to look at it further, just let us now.

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: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: Seed for A&M
Date: Wednesday, March 25, 2009 10:14:59 AM

By the way, do you think I should send Juerg's seed info to this Wayne Thompson fellow?

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Wednesday, March 25, 2009 7:45 AM
To: Walter Nelson
Subject: RE: Seed for A&M

Walter:

Those numbers look fine to me based on my request.

I'll be looking for the seed.

As for testing alternate females, we are quite interested in providing you with a location should you want it here in CS (I don't know if that has much value since you are right down the road), but if it does, let me know and we can put in the trial.

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: Wednesday, March 25, 2009 9:41 AM
To: Bill Rooney; Juerg M Blumenthal
Subject: Seed for A&M

Bill and Juerg,

Attached is the current seed shipment summary for A&M. Please take a look at what is on the list and let me know if I have addressed you needs.

Bill, I filled out the shipment based on what was in your email request. Parental lines are included so you can see what I'm planning to ship. The have still not made it back from PV, but should very soon. Edgar is down there now. What I need to discuss with you is your level of interest in some of the other experimentals (primarily alternate females with).

Juerg, I didn't get a followup note from you since we spoke last week, so I made my best estimate. I favored the sudans on the biomass sorghum request for your two-cut system and focused on the sweets that will be produced at larger scale this summer for potential commercialization next year. I assumed two pounds would be enough for the sweets for the types of plots done last year, but if you had other plans in mind and would like more, just let me

know.

The sweet sorghums are still in the process of being cleaned and QCed, so there is still the possibility that some of these will change with respect to availability. I had hoped to have all of this treated with Concept for you, but we appear to have some capacity constraints on doing that in the very near term so will have to send it untreated. I hope that's ok. All seed for you will be shipped to our research station (we call it CSRC as an fyi...).

Don't hesitate to drop me a line anytime to discuss. I am hoping to get these shipped to our research station by Friday for you to pick up next week.

Best regards,

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Cc: [Collins, Stephen D](#)
Subject: RE: seed from Ceres
Date: Monday, March 16, 2009 11:49:54 AM

Hi Bill,

Thanks for the summary. Should not be a problem and I am getting shipments ready this week. Please see comments/questions below in red.

Also, I spoke to Jeff and he said to follow up with Edgar directly RE: the anthracnose populations.

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Sunday, March 15, 2009 12:36 PM
To: Walter Nelson
Cc: 'Collins, Stephen D'
Subject: seed from Ceres

Walter:

As we discussed, a list of hybrids I would like to have from the Ceres production is listed below. Anything that will be reported on will be coded, unless you let me know otherwise.

I'm not as particular about which females you send - the pollinator is more important to me. You can send the ones that you have adequate seed.

If you have questions, just let me know.

1.

2.

3.

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: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: Skyscraper seed
Date: Sunday, January 04, 2009 6:52:09 PM

Bill,

I was a little unclear in my earlier note asking about . I realize you are okay with and that it's far enough along to not need as much testing in your program. The line I was asking about was actually . I don't think I saw much about the 020 hybrids in your testing and that's what I was curious about relative to some of the other lines like .

Quick question, how many locations and what size are the regional tests that you were planning to plug a few hybrids into? Knowing that will help me decide how much seed will be needed for certain varieties. We are having some planning meetings internally in the next week or so to discuss the various groups (research, sales, business development and collaborations) to finalize our testing and trailing locations for 2009. I should discuss this with you on some level as well to balance amounts of in the respective tests.

Finally, with regard to Puerto Rico. Clint went last week to clean up the increases as our plantings were done much earlier than your nursery. I would still like to coordinate a visit when you are there, if practical, as we could catch up on a few things as well as you could visit the increases with me if you are interested.

Hope you had a good holiday!

Walter

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Sunday, January 04, 2009 12:43 PM
To: Walter Nelson
Subject: RE: Skyscraper seed

Walter:

I'm not down on . I think that hybrid is moving to commercial scale testing and others are better suited to provide that data. My program are moving onto the newer material that will eventually replace the first generation hybrids.

I would like the for large scale testing, because they are ready and can be produced. I would like some quantity of for additional testing to combine with data that you will generate to determine the relative merit of these hybrids.

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-inc.com>]
Sent: Tuesday, December 30, 2008 11:04 AM
To: Bill Rooney
Subject: RE: Skyscraper seed

No problem...what is your feeling on providing you
I noticed there wasn't too much data on
that hybrid in the quarterly. Is that because you are a bit less keen
on it
than ?

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Saturday, December 27, 2008 11:00 AM
To: Walter Nelson
Subject: RE: Skyscraper seed

Walter:

If you can just send a couple of bags of the hybrids you will be selling
and
any experimentals you would like in the regional tests, I'll put them in
the
cold room and I can distribute seed to John once we have it.

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-inc.com>]
Sent: Tuesday, December 23, 2008 12:53 PM
To: John Mullet; Walter Nelson
Cc: Bill Rooney
Subject: RE: Skyscraper seed

Hi John,

No problem at all. I was actually planning on providing Bill with a
couple
of bags of each of the two varieties for any/all the high biomass
sorghum
experiments where people ask for seed. The seed has been harvested and
is
being cleaned. When would you like it by?

Walter

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

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

From: John Mullet <jmullet@tamu.edu>
Sent: Thursday, December 18, 2008 5:56 AM
To: Walter Nelson <wnelson@ceres-inc.com>
Cc: Bill Rooney <wlr@tamu.edu>
Subject: Skyscraper seed

Hi Walter,

Could you send me some seed for the Skyscraper hybrid? I would like include this material in our photoperiod sensitivity screens and as a check in other studies we are doing. I know you may have limited amounts of seed, but even 100 seed would get us started. Send to Bill if that is more convenient.

Thanks,

John

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: Skyscraper seed
Date: Monday, January 05, 2009 12:13:54 PM

Bill,

The winter seed production seems to be going pretty well so hopefully we will indeed resolve some of these seed availability issues. We will likely miss a couple of the sweet sorghum nicks in certain locations, but between the three locations (Rico, Vallarta and Hawaii) we should have at least one success for each the by the 5 females we have seed for. At last report the by 5 commercial females looked good as well so far. The target for all was to get 100lbs of each hybrid pair. All A/B increases also looked good as of last report. Keep your fingers crossed.

Thanks for the update on the multilocation testing discussions and PR visits. My inclination would be to visit during pollination to see how things nick, but being there when you are, if you are going this year, would take precedence.

Regards,

Walter

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Monday, January 05, 2009 7:45 AM
To: Walter Nelson
Subject: RE: Skyscraper seed

Walter:

I'm still very interested in and we did some testing, but our ability to expand testing was limited by hybrid seed availability (hopefully, you folks are solving that problem).

I'm leaving to discuss multilocation testing (large scale) today and when I return I'll be able to answer that particular question.

Puerto Rico was planted December 3. We are looking at pollination in early February and harvest in late March. We will have someone down there at those two times. Exact dates have not yet been determined.

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-inc.com>]
Sent: Sunday, January 04, 2009 6:53 PM
To: Bill Rooney
Subject: RE: Skyscraper seed

Bill,

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I don't think I saw much about the in your testing and that's what I was curious about relative to some of the other lines like and

Quick question, how many locations and what size are the regional tests that you were planning to plug a few hybrids into? Knowing that will help me decide how much seed will be needed for certain varieties. We are having some planning meetings internally in the next week or so to discuss the various groups (research, sales, business development and collaborations) to finalize our testing and trailing locations for 2009. I should discuss this with you on some level as well to balance amounts of and in the respective tests.

Finally, with regard to Puerto Rico. Clint went last week to clean up the increases as our plantings were done much earlier than your nursery. I would still like to coordinate a visit when you are there, if practical, as we could catch up on a few things as well as you could visit the increases with me if you are interested.

Hope you had a good holiday!

Walter

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Subject: RE: Skyscraper seed

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Walter

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

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

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Sent: Thursday, December 18, 2008 5:56 AM
To: Walter Nelson <wnelson@ceres-inc.com>
Cc: Bill Rooney <wlr@tamu.edu>
Subject: Skyscraper seed

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Thanks,

John

From: [Walter Nelson](#)
To: [John Mullet](#)
Cc: [Bill Rooney](#)
Subject: RE: Sorghum flowering
Date: Wednesday, June 10, 2009 3:23:28 PM

John,

Thanks for the info. You are correct. We have a greenhouse on long-day (16hrs) where I have planted out some of the new . I wanted to induce flowering on a few plants so was going to move them into our short-day growth chamber (10 hrs). I was going to just grow them in there to begin with, but was told the conditions were such that sorghum didn't do well after long periods, so came up with the notion of growing the plants in the greenhouse with a short day "treatment" to induce flowering. Bill also had an interested comment about treating field plants with trashcans. We'll see if Edgar would be willing to do this in CS (chuckle).

I'll have them do two weeks at short day and we'll see if that works.

Thanks!

W

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

From: John Mullet [<mailto:jmullet@tamu.edu>]
Sent: Thursday, June 04, 2009 1:20 PM
To: Walter Nelson
Cc: Bill Rooney
Subject: Re: Sorghum flowering

Hi Walter,

I assume your long days are something like 14 hr days and you intend to shift to day lengths below 12 hrs?

Your hybrids will most likely become sensitive to photoperiod by about day 21. We have found that a week of short day treatment (we use 10 hr days) is sufficient to trigger flowering induction, but we usually do a 14 day treatment just to be sure before transfer back to long days. It will take another ~40 days or so until anthesis (depending on temperature and genotype), but you should see flag leaves appear in 3-4 weeks.

Bill may have more specific information about the hybrids you are working with.

Hope this helps,

John

On Jun 4, 2009, at 2:30 PM, Walter Nelson wrote:

> John or Bill,
>
> I have a couple of growing in our long-day greenhouse

> in Thousand Oaks. In theory they won't flower while in there as I
> understand it.
>
> If I wanted to trigger flowering in them by moving them into a short-
> day growth chamber, how long would I have to keep the plant in the
> short-day lighting before I could move it bck to the greenhouse to
> finish flowering?
>
> Thanks!
>
> W
>
>
>
>
> Walter E Nelson
> Ceres, Inc.
> mobile: (805)410-0503
>
> sent from treo

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: Sorghum flowering
Date: Wednesday, June 10, 2009 3:25:15 PM

Thanks Bill. Sorry for the delay in reply. When do you need the letter by? I sent the request to Steve T.

W

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Thursday, June 04, 2009 1:08 PM
To: Walter Nelson
Subject: RE: Sorghum flowering

Walter:

John has more experience than I in the greenhouse, but we've treated these in the field with a trashcan for about two weeks and that was enough to get them to flower. I assume similar in a GC, but it might be less.

I'm working on the _____, I'll need a letter of confirmation that we can use year 2 and 3 of our supplemental grant as matching for my proposal.
I assume that comes from Steve Thomas, correct?

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: Thursday, June 04, 2009 2:30 PM
To: John Mullet; William Rooney
Subject: Sorghum flowering

John or Bill,

I have a couple of _____ growing in our long-day greenhouse in Thousand Oaks. In theory they won't flower while in there as I understand it.

If I wanted to trigger flowering in them by moving them into a short-day growth chamber, how long would I have to keep the plant in the short-day lighting before I could move it bck to the greenhouse to finish flowering?

Thanks!

W

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: Sorghum flowering
Date: Thursday, June 11, 2009 6:37:10 AM

Thanks. I will pass that along to Steve.

How is the sorghum looking? Clint reported a few boots in the hybrids that he's growing out in Arizona....

W

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Thursday, June 11, 2009 4:16 AM
To: Walter Nelson
Subject: RE: Sorghum flowering

This is due in late June so it would great to have it by late next week.

Regards,

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: Walter Nelson [<mailto:wnelson@ceres.net>]
Sent: Wednesday, June 10, 2009 3:25 PM
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W

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: Sorghum flowering
Date: Thursday, June 11, 2009 6:52:22 AM

That's good news. Clint said that the plots in Maricopa looked a little weird. My current thinking is that it is some environmental factor. He also has all the _____ as opposed to the "best" ones we sent you and farthest away from that grain field in Vallarta, hence seeing some early flowers.

Do you have an approximate harvest schedule for the sweets we sent you? I would like to schedule some trips out there to see them before harvest, Gary wants pictures, I'll sleep better knowing the stuff I sent everywhere looks ok etc....

W

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Thursday, June 11, 2009 4:40 AM
To: Walter Nelson
Subject: RE: Sorghum flowering

Things look good here, the sweets are well into the log phase of growth and will be flowering in the next few weeks. The PS material is little later, but it is also taking off. We haven't seen anything flowering that shouldn't be.

Regards,

Bill

Dr. William L. Rooney
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Sent: Thursday, June 04, 2009 2:30 PM

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Thanks!

W

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W

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: Sorghum flowering
Date: Thursday, June 11, 2009 10:34:55 AM

Just tried calling you but you were on the phone. You can catch me at my office...

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Thursday, June 11, 2009 7:52 AM
To: Walter Nelson
Subject: RE: Sorghum flowering

Anytime for the remainder of the morning. The afternoon is full.

Bill

Dr. William L. Rooney
Professor, Sorghum Breeding and Genetics Chair, Plant Release Committee
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Thanks Bill. Sorry for the delay in reply. When do you need the letter
by?

I sent the request to Steve T.

W

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

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

Sent: Thursday, June 04, 2009 1:08 PM

To: Walter Nelson

Subject: RE: Sorghum flowering

Walter:

John has more experience than I in the greenhouse, but we've treated
these
in the field with a trashcan for about two weeks and that was enough to
get
them to flower. I assume similar in a GC, but it might be less.

I assume that comes from Steve Thomas, correct?

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: Thursday, June 04, 2009 2:30 PM

To: John Mullet; William Rooney

Subject: Sorghum flowering

John or Bill,

I have a couple of growing in our long-day greenhouse in
Thousand Oaks. In theory they won't flower while in there as I
understand
it.

If I wanted to trigger flowering in them by moving them into a short-day
growth chamber, how long would I have to keep the plant in the short-day
lighting before I could move it bck to the greenhouse to finish
flowering?

Thanks!

W

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: sorghum for energy
Date: Thursday, April 09, 2009 11:09:59 AM

Thanks Bill, this guy contacted me a few days ago and I hadn't gotten back to him yet. I'm sending a small bulk of seed to Germany and will partition out to the various European requestors as appropriate.

How do you think the high biomass sorghums will do in Belgium? Worthwhile? I'm a bit skeptical....

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Thursday, April 09, 2009 8:55 AM
To: 'Ghekiere Greet'
Cc: Walter Nelson
Subject: RE: sorghum for energy

Greet:

Thanks for your interest in trying some of the .

As you know those hybrids are being commercially developed through our partnership with Ceres, and they have produced experimental quantities of seed for evaluation. I don't produce large quantities (2kg) of seed, so I've copied Mr. Walter Nelson, who is sorghum product manager for Ceres and he can inform you of Cere's interest in providing seed.

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: Ghekiere Greet [mailto:Greet.Ghekiere@west-vlaanderen.be]
Sent: Thursday, April 09, 2009 3:14 AM
To: wlr@tamu.edu
Subject: sorghum for energy
Importance: High

Dear professor Rooney,

As member of a technical research station for agriculture in Belgium, Europe, I follow the results on sorghum of TAMU since several years, as we have in our own trial site since 2005 trials on sorghum for anaerobic digestion.

Although it is quite visible that the varieties of sorghum on the market today, are not designed for our growing circumstances (could in spring), we can also see the potential of this crop concerning biomass accumulation in short time.

The best varieties in our trials, of which are , reached yields of 20 tons of dry matter per hectare in trial.

I've read with interest on the new developments at TAMU concerning the energy-sorghum in cooperation with Ceres' Blade Brand. I really would like to do a small test with one or two of these varieties in our growing conditions, because in fact, also for anaerobic digestion it is not really the sugar but the celluloses that is important.

I'm not sure that it will work out. I've understood that the varieties are photosensitive, and in 2007 we had the PS-variety 1990 (Sorghum partners) in trial and that didn't work out at all. But I think it is worth the try.

I don't know if it would be possible to receive samples (± 2 kg)_from your institute or Ceres?
It is no problem for us to pay the costs for the seeds and the shipment.

Sincerely yours,

Greet Ghekiere

POVLT - afdeling Innovatie, Verbreding & Advies

leperseweg 87

8800 Rumbeke (Beitem)

Tel 051/273384

Fax 051/240020

www.povlt.be

From: [Peter Mascia](#)
To: [Bill Rooney](#)
Subject: RE:
Date: Wednesday, February 11, 2009 12:10:38 PM

Bill,

Are they available from a stock center?

Pete

Peter Mascia
Office: 805-376-6511
Cell: 805-402-0645



Please consider the environment before printing this e-mail

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Tuesday, February 10, 2009 6:26 PM
To: Peter Mascia
Subject: RE:

Pete:

We have some mutants in corn for sweetness. - but I don't know if anyone has ever compared them to the

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: Peter Mascia [mailto:pmascia@ceres-inc.com]
Sent: Tuesday, February 10, 2009 12:05 PM
To: Bill Rooney
Subject:

Hi Bill,

Do you know of any mutants in sorghum like ?

Pete

Peter Mascia, Ph.D.
Vice President of Product Development

Ceres, Inc. "*The Energy Crop Company*®"
1535 Rancho Conejo Boulevard
Thousand Oaks, CA 91320
Tel: (805) 376-6511
Fax: (805) 376-6549
www.ceres.net

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Please consider the environment before printing this e-mail

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: sorry
Date: Thursday, May 07, 2009 8:42:04 AM

No worries...we get lots of such things.

My current favorite is the guy who bought a couple of bags of switchgrass and then, when I was speaking to him later, told me he thought he just needed to press/crush the switchgrass through rollers to squeeze the fuel out.

I warned Cory he was going to have some customer complaints about the performance of his product at the end of the season....

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Thursday, May 07, 2009 6:16 AM
To: Walter Nelson
Subject: sorry

Walter:

FYI, I just gave a fellow your name as a potential contact for sweet sorghum and energy sorghum seed (I told him you would not give out sweet sorghum seed, but I wasn't sure about energy sorghum).

He's from Maryland, claimed he hasn't talked to you, but he may have. He's one that has all the answers and big plans, but nobody to fund it.

Sorry about this, but thought deserved a heads up before you get the phone call.

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: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: stuff
Date: Tuesday, March 10, 2009 5:58:07 PM

Thanks Bill. Sorry about being unreachable...the phone's been a bit quirky down here.

About to get on the plane to come home. Will reflect on note below and discuss with you Th or F.

W

P.S. The look pretty good, very clean production and no "big surprises". However, at least from a visual perspective, there appear to be better females for it than the . Will have to wait for the data first of course. We had some seed from you sweet females by umbrella you gave me awhile back and we stuck them in here as well (all we had at the time). They looked really good too, but we won't measure yield on them as the guys here can't handle the juice.

Will send you some pics later....

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Tuesday, March 10, 2009 2:44 PM
To: Walter Nelson
Subject: stuff

Walter:

I got your voice mail earlier this morning. I finally got through and left a message on your voice mail a few minutes ago.

I have since went into the fieldbooks and looked - I've got several populations that could be advanced, but I think the best approach would be to choose one and advance that one.

The obvious choice is a . I have an . The numbers will likely be up to 200 in the but the main issue is how much space there is. One option is to take a SSD approach to the population. This is where we take a single seed from each plant in the population, bulk them and plant them thinly. Each plant is a distinctly new RIL and the whole population can be planted in about 10 rows with 6 meter length. The disadvantages are 1) you lose a connection from the individual and derived RIL (not a big deal) and 2) you will likely lose a few RIL because every seed will not develop and reproduce (and you only get one to avoid duplication). Neither are big deal - we've done this before. If we do this, they will have to bag one panicle on each plant (don't need tillers).

Having said all that, I don't have seed of these YET. I'll be in PR April 2-6 to harvest and send seed back to CS. Then I'll know the situation.

On another front, I need to finalize my seed request to you for these SunGrant, and DOE trials. I also want you to think about how you want me to refer to this material. Since it came from the TAMU program, we can code them as TAMU lines if you don't want exposure in any of these public tests. Once you get back or least get reliable phone service, give me a call and we can discuss.

I'll be in DC through Thursday - back in the office on Friday.

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: [Jeff Gwyn](#)
To: [Bill Rooney](#)
Subject: RE: sweet sorghum association mapping
Date: Monday, April 27, 2009 11:35:48 AM
Importance: High

Question: via Walter, there are 4 more sweet hybrids we are getting for trials this season?

J. Jefferson Gwyn, Ph.D.
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
off 979.272.2265
fax 979.272.2269
cell 805.490.0070
www.ceres.net

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Monday, April 27, 2009 10:50 AM
To: Jeff Gwyn
Subject: RE: sweet sorghum association mapping

Jeff:

In the presentation on Thursday, I mentioned that we had a mapping population in the field (in cooperation with Veremis at UFL). I also mentioned that this was followup work to research done by Seth Murray (while he was a Ph.D. student at Cornell). From that work, Seth has published three papers (this was the final publication from that work. I've attached the first two (in case you don't have them).

The fieldwork for this paper was completed prior to the Ceres agreement. We have a version of this sweet sorghum panel in the field, mainly for reference and crossing work. We don't have plans to collect specific data on it this summer. If there is an interest from Ceres, you would be able to utilize it as long as it doesn't interfere with any crosses or seed production.

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: Jeff Gwyn [mailto:jgwyn@ceres-inc.com]
Sent: Monday, April 27, 2009 10:35 AM
To: Bill Rooney
Cc: Nickolai Alexandrov
Subject: FW: sweet sorghum association mapping

What do we know about this? I don't remember any discussion on sweets and genes and phenology.

Please advise.

From: Nickolai Alexandrov
Sent: Saturday, April 25, 2009 10:40 PM
To: Jeff Gwyn
Subject: RE: sweet sorghum association mapping

Interestingly, we have briefly discussed this paper on our MAB journal club last Wednesday. Jeff, do you think we should collect this kind of data for our internal breeding program?
Nick

From: Steven Thomas
Sent: Sat 4/25/2009 11:25 AM
To: Jeff Gwyn; Edgar Haro; Walter Nelson; Nickolai Alexandrov; John Bouck
Cc: Bonnie Hames; Tanya Kruse; Joon-Hyun Park; Roger Pennell; Richard Flavell; Spencer Swayze
Subject: sweet sorghum association mapping

See attachment for more detail (from The Plant Genome). st

Making Sweet Sorghum Sweeter

Submitted by James Giese on Fri, 04/17/2009 - 14:48

- [Feature](#)

Sweet sorghum, like its close relative, sugarcane, has been bred to accumulate high levels of edible sugars in the stem. Sweet sorghums are tall and produce high biomass in addition to sugar. However, there is little documentation about the genetic relationships and diversity within sweet sorghums and how sweet sorghums relate to grain sorghum racial types.

Researchers from Cornell and Texas A&M genotyped with simple sequence repeats and single nucleotide polymorphisms a diverse panel of 125 (mostly sweet) sorghums. Using both distance-based and model-based methods, the researchers identified three main genetic groupings of sweet sorghums. Based on observed phenotypes and known origins, these were classified as historical and modern syrup, modern sugar/energy, and amber types.

Three significant associations for height were detected. Two of these, on chromosomes 9 and 6, support published studies. One significant association for brix, on chromosome 1, was detected.

Steven R. Thomas, Ph.D.

Director of Bioproducts
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320

ph: (805) 376-6514
cell: (805) 807-6412
email: sthomas@ceres-inc.com
web: <http://www.ceres.net>



From: [Jeff Gwyn](#)
To: [Bill Rooney](#)
Subject: RE: sweet sorghum association mapping
Date: Monday, April 27, 2009 12:59:25 PM

But where did they come from? Is this entirely new material that didn't exist last fall or are they checks or what?

J Jefferson Gwyn Ph D
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
off 979.272.2265
fax 979.272.2269
cell 805.490.0070
www.ceres.net

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Monday, April 27, 2009 12:58 PM
To: Jeff Gwyn
Subject: RE: sweet sorghum association mapping

Bud picked up four hybrids on Friday - that is all. So if that is the four, then yes. If that is not the four, then no.

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: Jeff Gwyn [mailto:jgwyn@ceres-inc.com]
Sent: Monday, April 27, 2009 11:39 AM
To: Bill Rooney
Subject: RE: sweet sorghum association mapping
Importance: High

Question: via Walter, there are 4 more sweet hybrids we are getting for trials this season?

J Jefferson Gwyn Ph D
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
off 979.272.2265
fax 979.272.2269
cell 805.490.0070
www.ceres.net

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Monday, April 27, 2009 10:50 AM
To: Jeff Gwyn
Subject: RE: sweet sorghum association mapping

Jeff:

In the presentation on Thursday, I mentioned that we had a [REDACTED] mapping population in the field (in cooperation with Veremis at UFL). I also mentioned that this was followup work to research done by Seth Murray (while he was a Ph.D. student at Cornell). From that work, Seth has published three papers (this was the final publication from that work. I've attached the first two (in case you don't have them).

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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: Jeff Gwyn [mailto:jgwyn@ceres-inc.com]
Sent: Monday, April 27, 2009 10:35 AM
To: Bill Rooney
Cc: Nikolai Alexandrov
Subject: FW: sweet sorghum association mapping

What do we know about this? I don't remember any discussion on sweets and genes and phenology.

Please advise.

From: Nikolai Alexandrov
Sent: Saturday, April 25, 2009 10:40 PM
To: Jeff Gwyn
Subject: RE: sweet sorghum association mapping

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Nick

From: Steven Thomas
Sent: Sat 4/25/2009 11:25 AM
To: Jeff Gwyn; Edgar Haro; Walter Nelson; Nikolai Alexandrov; John Bouck
Cc: Bonnie Hames; Tanya Kruse; Joon-Hyun Park; Roger Pennell; Richard Flavell; Spencer Swayze
Subject: sweet sorghum association mapping

See attachment for more detail (from The Plant Genome). st

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Submitted by James Giese on Fri, 04/17/2009 - 14:48

- [Feature](#)

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Three significant associations for height were detected. Two of these, on chromosomes 9 and 6, support published studies. One significant association for brix, on chromosome 1, was detected.

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ph: (805) 376-6514
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email: sthomas@ceres-inc.com
web: <http://www.ceres.net>



From: [Edgar Haro](#)
To: [Walter Nelson](#); [Bill Rooney](#)
Cc: [Jeff Gwyn](#)
Subject: RE: Travel to Puerto Vallarta
Date: Saturday, January 31, 2009 8:23:23 AM

Walter, the suggestion is hotel Villa Varadero in Nuevo Vallarta.
Best prices through Orbitz.com

Edgar Haro PhD.
Senior Manager Sorghum Research
Ceres Inc.
(979) 324-8046

From: Walter Nelson
Sent: Fri 1/30/2009 5:41 PM
To: Bill Rooney
Cc: Edgar Haro; Jeff Gwyn
Subject: Travel to Puerto Vallarta

Bill,

Here are my flight details. I'm heading down there on Tuesday the 17th and back on the 19th. I will talk to Edgar about hotel arrangements.

Name(s): WALTER NELSON
Confirmation Code: MJDDFD
Ticket Number: 0272130202245

ITINERARY

Tuesday, February 17, 2009
Depart: Los Angeles (LAX) at 11:15 AM
Arrive: Puerto Vallarta (PVR) at 4:10 PM
Flight: Alaska Airlines 258

Thursday, February 19, 2009
Depart: Puerto Vallarta (PVR) at 5:00 PM
Arrive: Los Angeles (LAX) at 6:10 PM
Flight: Alaska Airlines 259

Walter

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Friday, January 30, 2009 1:56 PM
To: Walter Nelson
Subject: travel

Walter:

Have you settled on flight plans for Vallarta? Let me know ASAP - I'd like to make reservations this

weekend....

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: [Edgar Haro](#)
To: [Bill Rooney](#)
Cc: [Collins, Stephen D](#); [Jeff Gwyn](#)
Subject: RE: Tx codes
Date: Tuesday, March 17, 2009 2:53:51 PM

Bill,

Thanks for your feedback.

Actually if you know there is a TAES publication with all the registered inbreds I can probably access it and check it out.

Would you like to come and check our new facilities.

I can give you a quick tour.

Otherwise I may pass by your office anyday early in the morning on my way to work and pick up the seed.

Edgar

Edgar Haro PhD.
Senior Manager Sorghum Research
Ceres Inc.
(979) 324-8046

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

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Tue 3/17/2009 2:46 PM
To: Edgar Haro
Cc: 'Collins, Stephen D'; Jeff Gwyn
Subject: RE: Tx codes

Edgar:

Regarding the designations for the lines listed below -

Can we bring those over to you?

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: Edgar Haro [<mailto:eharo@ceres-inc.com>]
Sent: Tuesday, March 17, 2009 11:36 AM
To: wlr@tamu.edu
Subject: Tx codes

Hi Bill,

I am working on the naming nomenclature of inbred lines we have from TAMU.
Sometimes I have what I think should be a "R" line like the following:

However they don't have the "R" designator in front of them.
I think the TAM designations are old ones and they are ok the way they are shown.

Thanks,
Edgar

Edgar Haro, Ph.D.
Senior Manager Plant Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX. 77879
Tel: (979) 272-2262
Cell: (979) 324-8046
<<http://www.ceres.net>> www.ceres.net

Bill,

From: [Edgar Haro](#)
To: [Bill Rooney](#)
Subject: RE: Tx codes
Date: Tuesday, March 17, 2009 3:30:28 PM

Bill,

Could you please share the pedigrees of the sweet females.

All I got is the nomenclature but not the actual pedigree
from your envelopes with seed shared for the winter nursery planting.

Thanks,!

Edgar

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

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Tuesday, March 17, 2009 2:46 PM
To: Edgar Haro
Cc: 'Collins, Stephen D'; Jeff Gwyn
Subject: RE: Tx codes

Edgar:

Regarding the designations for the lines listed below -

The designations for Tx04 and Tx2507 are correct; I'd have to see if they are B or R (I don't

Also, we have the RIL population for anthracnose mapping ready to deliver to you. It is 125 entries, 2 reps = 250 plots/location. we have two sets to plant in the SE US for anthracnose evaluation.

Can we bring those over to you?

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: Edgar Haro [mailto:eharo@ceres-inc.com]
Sent: Tuesday, March 17, 2009 11:36 AM

To: wlr@tamu.edu

Subject: Tx codes

Hi Bill,

I am working on the naming nomenclature of inbred lines we have from TAMU.

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However they don't have the "R" designator in front of them.

I think the TAM designations are old ones and they are ok the way they are shown.

Thanks,
Edgar

Edgar Haro, Ph.D.
Senior Manager Plant Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX. 77879
Tel: (979) 272-2262
Cell: (979) 324-8046
www.ceres.net

From: [Bud Wylie](#)
To: [Bill Rooney](#)
Subject: RE: Umbrella hybrids
Date: Wednesday, April 29, 2009 8:33:00 AM

Bill,

What type of trials does Juerg have planned for this year? Jeff just mentioned that you or Juerg was doing a maturity yield trial with the sweets maybe in Lacasseine and here? If you have time, would you give me a call so I can understand what is being done as part of our agreement?

Bud Wylie
Manager, Commercial Trials
Ceres, Inc
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
210-882-7257
bwylie@ceres-inc.com

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Wed 4/29/2009 7:30 AM
To: Walter Nelson; Bud Wylie
Subject: RE: Umbrella hybrids

[Walter and Bud:](#)

[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, April 28, 2009 7:06 PM
To: Bill Rooney
Subject: Umbrella hybrids

Hi Bill,

I need to re-code the umbrella hybrids you gave Bud for our trials. Can you send me the codes and pedigrees for the hybrids you gave him?

Thanks!

Walter

From: Bud Wylie
Sent: Tuesday, April 28, 2009 3:26 PM
To: Walter Nelson
Subject: Umbrella

Walter,

What are the codes for the Umbrella hybrids?

Bud Wylie
Manager, Commercial Trials
Ceres, Inc
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
210-882-7257
bwylie@ceres-inc.com

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Cc: [dustin borden](#)
Subject: RE: Visit to CS on Monday
Date: Thursday, July 09, 2009 8:49:57 AM

That sounds great. What time would you like to start?

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Thursday, July 09, 2009 5:44 AM
To: Walter Nelson
Cc: 'dustin borden'
Subject: RE: Visit to CS on Monday

Walter:

I'll be here early on Monday, but must leave by 9 am. So I can start a visit with you; I would recommend Dustin to come along and finish the visit as necessary.

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: Wednesday, July 08, 2009 4:04 PM
To: Bill Rooney
Subject: Visit to CS on Monday

Bill,

I will be arriving in College Station on Sunday and will be there for one day. Would like to visit the fields on Monday morning. Would someone over there be available to show me around? Am flexible on time, but will be asking Juerg the same question.

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: RE: Visit to CS on Monday
Date: Thursday, July 09, 2009 11:11:38 AM

Going to have to do Monday morning...don't get into CS until probably 9-10 pm.

Want to meet at the farm?

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Thursday, July 09, 2009 8:58 AM
To: Walter Nelson
Subject: RE: Visit to CS on Monday

Walter:

Are you coming in early or late on Sunday? If early, then we could meet Sunday evening. If not, then we'll meet on Monday morning by 7 am.

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: Thursday, July 09, 2009 8:50 AM
To: Bill Rooney
Cc: dustin borden
Subject: RE: Visit to CS on Monday

That sounds great. What time would you like to start?

W

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Thursday, July 09, 2009 5:44 AM
To: Walter Nelson
Cc: 'dustin borden'
Subject: RE: Visit to CS on Monday

Walter:

I'll be here early on Monday, but must leave by 9 am. So I can start a visit with you; I would recommend Dustin to come along and finish the visit as necessary.

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: Wednesday, July 08, 2009 4:04 PM

To: Bill Rooney

Subject: Visit to CS on Monday

Bill,

I will be arriving in College Station on Sunday and will be there for one day. Would like to visit the fields on Monday morning. Would someone over there be available to show me around? Am flexible on time, but will be asking Juerg the same question.

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Spencer Swayze](#)
To: [Bill Rooney](#); [Avant, Bob](#); [Helms, Adam](#); [Stelly David](#)
Cc: [Spurlin, Shayna](#); [Schuerman, Peter L.](#); [McCutchen, Bill](#)
Subject: RE: BRDI
Date: Friday, March 06, 2009 4:26:55 PM
Attachments: [Rooney et al. Narrative 3-6_SPS.doc](#)

Hi Bill,

This looks good. I have made an adjustment to the Narrative to update the Ceres facility text. As discussed, we are happy to be named as a major participant or industrial partner. Thanks for putting together such a great proposal! We look forward to working on the details for the full proposal.

Best regards,

Spencer P. Swayze
Manager of Business Development
Ceres, Inc. "*The Energy Crop Company*®"
sswayze@ceres-inc.com
Office: (805) 376-6508
Mobile: (805) 407-8799
www.ceres.net

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

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Friday, March 06, 2009 12:02 PM
To: 'Avant, Bob'; 'Helms, Adam'; 'Stelly_David'; Spencer Swayze
Cc: 'Spurlin, Shayna'; 'Schuerman, Peter L.'; 'McCutchen, Bill'
Subject: RE: BRDI

Based on the e-mails that have been distributed, I have made some modifications to the documents that were sent out last night.

You can see them in the documents.

If each of you can peruse and edit AS SOON AS POSSIBLE, that would be appreciated. Please copy any changes back to me and Shayna Spurlin.

We would like to finalize this afternoon.

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

Sent: Friday, March 06, 2009 1:23 PM

To: Bill Rooney; Helms, Adam; Stelly_David; McCutchen, Bill; Schuerman, Peter L.

Subject: RE: BRDI

For purposes of the pre-app. I would recommend that we include Ceres as a collaborator, but say nothing about them being the only industry collaborator. For various reasons we might add others to the proposal. The clarification as Ceres providing a "commercialization" role is also good because it implies that they aren't involved in "development".

The value of having Ceres on the pre-app is important because it should result in a higher score.

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

From: Bill Rooney [mailto:wlr@tamu.edu]

Sent: Friday, March 06, 2009 11:45 AM

To: Avant, Bob; Helms, Adam; 'Stelly_David'; McCutchen, Bill; Schuerman, Peter L.

Subject: FW: BRDI

Guys;

Some of you got this last e-mail from Spencer and some didn't - all need to see it with reference to Ceres being the ONLY industry collaborator.

Do you find these terms acceptable? I read that to mean that a full application is only with Ceres as well.

Seems to me to be two options - include Ceres and deal with the issues later OR submit it now without partners and search for those groups if a full application is requested.

From my perspective, I don't see why we should obligate ourselves in any way at this point. Input, ideas?

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: Spencer Swayze [mailto:sswayze@ceres.net]

Sent: Friday, March 06, 2009 11:36 AM

To: Bill Rooney; Avant, Bob; Helms, Adam; Spurlin, Shayna

Subject: RE: BRDI

Bill,

This email is to confirm that Ceres is comfortable with the pre-proposal. Just to confirm, we are comfortable with the version including only Ceres as the industry collaborator. One suggestion may be to add clarity to Ceres role (e.g. commercialization activities). If you make any changes, please send them to me to take another look at. We look forward to working on the full application with you!

Best regards,

Spencer P. Swayze
Manager of Business Development
Ceres, Inc. "*The Energy Crop Company*®"
sswayze@ceres-inc.com
Office: (805) 376-6508
Mobile: (805) 407-8799
www.ceres.net

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

From: Bill Rooney [mailto:wlr@tamu.edu]

Sent: Thursday, March 05, 2009 4:00 PM

To: Spencer Swayze; 'Avant, Bob'; 'Helms, Adam'; 'Spurlin, Shayna'

Subject: BRDI

Spencer and Bob:

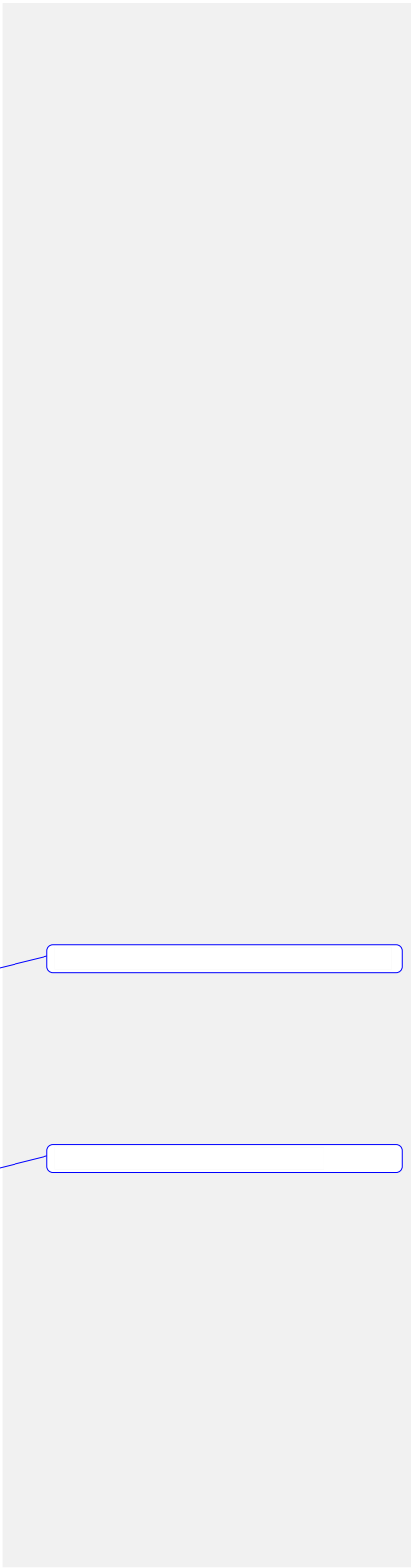
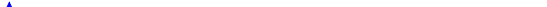
Please send revision via track changes and send to Adam, Shayna and myself. WE will make final edits and submit tomorrow.

There are certainly room for new number and greater impact. I always acceptable to someone else inserting that information.

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: [Walter Nelson](#)
To: [Steven Thomas](#)
Cc: wlr@tamu.edu
Subject: RE: CPBR letter
Date: Tuesday, June 16, 2009 1:20:51 PM
Attachments: [LD0693 1-021-R149-SRA-061808.pdf](#)

Steve,

Here is the original project description and budget that was amended to the A&M SRA. We'll still need the details of what Bill submitted to CPBR to determine the final cost share etc...

W

From: Steven Thomas
Sent: Tuesday, June 16, 2009 11:08 AM
To: 'wlr@tamu.edu'
Cc: Walter Nelson
Subject: CPBR letter

Hi Bill,

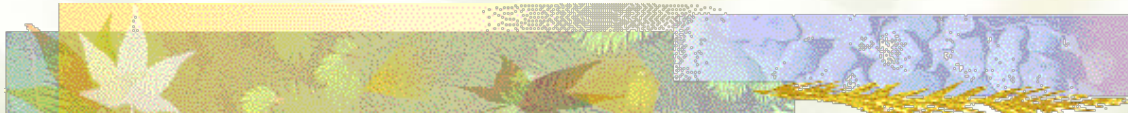
Walter tells me that you have requested a letter of support from Ceres for your CPBR proposal. I'll be happy to do this for you if you can send me at least an outline of your proposal (CPBR poster?), and some budgetary guidelines. I'll need to stipulate some dollar amount, and I believe the guidance is for a minimum 20% non-federal cost share, correct? Do you feel there is any opportunity for in-kind support of the project? If so, I'd like to take advantage of that and include it in the letter. Also, when do you need the letter?

If you think we should talk through this, let me know when you are available and I will call you.

Thanks and best regards, Steve

Steven R. Thomas, Ph.D.
Director of Bioproducts
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320

ph: (805) 376-6514
cell: (805) 807-6412
email: sthomas@ceres-inc.com
web: <http://www.ceres.net>



CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

Attachment I

CONFIDENTIAL

CONFIDENTIAL

CONFIDENTIAL

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From: [Walter Nelson](#)
To: [Mullet, John E.](#); pklein@tamu.edu; [Bill Rooney](#)
Cc: [Simpson, Shay](#)
Subject: Sample GANTT chart for future quarterly updates
Date: Thursday, April 23, 2009 8:07:42 AM
Attachments: [Sample GANTT template for updates.xls](#)

John, Trish and Bill,

One of the items that we discussed a two weeks ago when we visited with John and Trish was our interest in having a standard format GANTT chart for each project update during the quarterlies. I put a simple one together but just realized I had not sent it along.

Obviously I do not expect anything for the meetings today to be in this format, but I think it would be useful to discuss this tomorrow during the forward planning discussions and what changes you would want to make to it (other than the critical changing of the colors to A&M ones of course).

See you later this morning.

Best regards,

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Tanya Kruse](#)
To: [Bill Rooney](#); dustin_b82@yahoo.com
Subject: samples
Date: Monday, January 12, 2009 10:58:18 AM
Attachments: [CAD_Cooperator Name_Location_Your File_Description_Date.xls](#)

Thank you so much Bill! I have attached here a CAD, and if you could please fill in appropriate sections it would be greatly appreciated. Don't worry about Section 3 or comments on CenterPoint. Just fill in as much as is available. Thank you!

Tanya

Tanya:

We are sending five samples to you

They are

The address we have:

Tanya Kruse
Ceres, Inc.
1535 Rancho Conejo Blvd
Thousand Oaks, CA 91320

If this is wrong, please let us 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

From: [Walter Nelson](#)
To: [Bill Rooney](#); [Juerg M Blumenthal](#)
Subject: Seed for A&M
Date: Wednesday, March 25, 2009 9:38:56 AM
Attachments:

Bill and Juerg,

Attached is the current seed shipment summary for A&M. Please take a look at what is on the list and let me know if I have addressed you needs.

Bill, I filled out the shipment based on what was in your email request. Parental lines are included so you can see what I'm planning to ship. The have still not made it back from PV, but should very soon. Edgar is down there now. What I need to discuss with you is your level of interest in some of the other experimentals (primarily alternate females with

Juerg, I didn't get a followup note from you since we spoke last week, so I made my best estimate. I favored the sudans on the biomass sorghum request for your two-cut system and focused on the sweets that will be produced at larger scale this summer for potential commercialization next year. I assumed two pounds would be enough for the sweets for the types of plots done last year, but if you had other plans in mind and would like more, just let me know.

The sweet sorghums are still in the process of being cleaned and QCed, so there is still the possibility that some of these will change with respect to availability. I had hoped to have all of this treated with Concept for you, but we appear to have some capacity constraints on doing that in the very near term so will have to send it untreated. I hope that's ok. All seed for you will be shipped to our research station (we call it CSRC as an fyi...).

Don't hesitate to drop me a line anytime to discuss. I am hoping to get these shipped to our research station by Friday for you to pick up next week.

Best regards,

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Cc: [Clint Johnson](#)
Subject: Seed shipment to Clint
Date: Monday, July 27, 2009 12:04:43 AM

Bill,

Here are the addresses for the 1lb seed shipments for to Clint. I warned him that the Wray may be of low quality due to being a bit old...he'll probably send it off for a germ test etc....

If you could, please Fedex or UPS overnight as if Clint gets it on Tuesday he can get it into the AZ late-season bloom date experiments.

Thanks,

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Walter Nelson](#)
To: [John Mullet](#); [William Rooney](#)
Subject: Sorghum flowering
Date: Thursday, June 04, 2009 2:30:30 PM

John or Bill,

I have a couple of growing in our long-day greenhouse in Thousand Oaks. In theory they won't flower while in there as I understand it.

If I wanted to trigger flowering in them by moving them into a short-day growth chamber, how long would I have to keep the plant in the short-day lighting before I could move it bck to the greenhouse to finish flowering?

Thanks!

W

Walter E Nelson
Ceres, Inc.
mobile: (805)410-0503

sent from treo

From: [Nickolai Alexandrov](#)
To: [Bill Rooney](#)
Cc: [Jeff Gwyn](#)
Subject: sorghum phenotypes
Date: Tuesday, June 16, 2009 6:19:04 PM

Bill, we would like to organize available phenotypic information of sorghum varieties and use this data for comparative analysis, marker associations, correlation analysis, etc. Can you share the results of your phenotypic observations with us? It would be more valuable for us to have access to raw data rather than to average values published in your papers.

Thanks a lot,

-- *Nickolai Alexandrov*

 Please consider the environment before printing this e-mail

From: [Edgar Haro](#)
To: wlr@tamu.edu
Cc: [Walter Nelson](#)
Subject: Sweet bulked inbred list
Date: Monday, May 18, 2009 5:28:47 PM

Hi Bill,
Could you please corroborate the pedigrees of sweet females you provided for hybrid and inbred production.

The Plant selection number out of each sweet female.

Thanks.
Edgar

Edgar Haro PhD.
Senior Manager Sorghum Research
Ceres Inc.
Cel. (979) 324-8046

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: sweet sorghum in California
Date: Thursday, March 19, 2009 11:52:20 AM

Hi Bill,

Was the guy you juiced the sorghum for from the Imperial Valley, CA evaluation named Steve Schaeffer?

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Bud Wylie](#)
To: wlr@tamu.edu
Subject: Sweet sorghum information
Date: Tuesday, May 26, 2009 11:59:41 AM

Bill,

Hope you had a good Memorial Day. What is the biocide that you use in sweet sorghum juice? Do you have a written harvest protocol or recommendations for harvesting juice samples?

What would be a typical sugar production of these hybrids on a per acre basis? Just sugar not juice.

Thanks,
Bud Wylie
Commercial Trial Manager
Ceres, Inc. "*The Energy Crop Company*"TM
bwylie@ceres-inc.com
Phone: (210) 882-7257
www.ceres.net

From: [Jeff Gwyn](#)
To: wlr@tamu.edu
Subject: sweet sorghum
Date: Monday, February 23, 2009 12:28:24 PM
Importance: High

I need to understand a one paragraph history of sweet sorghum, where is the germplasm (other than yours), and what has been the effort historically.

Please advise.

J. Jefferson Gwyn, Ph.D.
Director of Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX 77879
off 979.272.2265
fax 979.272.2269
cell 805.490.0070
www.ceres.net

From: [Tanya Kruse](#)
To: [Bill Rooney](#)
Subject: syrup fm sweet SOR
Date: Monday, March 02, 2009 11:46:03 AM

Hi Bill! I left a message at your office, but I figured it couldn't hurt to e-mail as well. As you probably know, we are interested in looking at the juice from sweet sorghum. Walter Nelson mentioned that you had experience with creating concentrated syrup from such juice. Can you tell me a little more about that process? Thanks so much!

Tanya Kruse, PhD

Ceres, Inc.
1535 Rancho Conejo Blvd
Thousand Oaks, CA 91320
Tel: (805) 376-6504 x1147
Fax: (805) 498-1002
tkruse@ceres-inc.com

www.ceres.net

From: [Nikolai Alexandrov](#)
To: wlr@tamu.edu; [John Mullet](#); sethmurray@tamu.edu
Subject: thank you
Date: Tuesday, June 09, 2009 7:27:38 PM

Dear Bill, John and Seth,

Thank you very much for very useful discussions during my trip to College Station last week.

Bill, thank you for showing me your fields, pointing out to some outliers, I am really impressed by your ability to recognize dw3 mutants by eye without molecular biology tools.

John, thank you for showing your lab. I would like to try to convert assays as we discussed during the lunch and will ask you more questions in a separate email.

Seth, thank you for finding time to stop by at Ceres and for your thoughts on the gene expression experiment.

I really appreciate your time.

Best Regards,

-- *Nikolai Alexandrov*

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Cc: [Edgar Haro](#); [Jeff Gwyn](#)
Subject: Travel to Puerto Vallarta
Date: Friday, January 30, 2009 5:39:46 PM

Bill,

Here are my flight details. I'm heading down there on Tuesday the 17th and back on the 19th. I will talk to Edgar about hotel arrangements.

Name(s): WALTER NELSON
Confirmation Code: MJDDFD
Ticket Number: 0272130202245

ITINERARY

Tuesday, February 17, 2009
Depart: Los Angeles (LAX) at 11:15 AM
Arrive: Puerto Vallarta (PVR) at 4:10 PM
Flight: Alaska Airlines 258

Thursday, February 19, 2009
Depart: Puerto Vallarta (PVR) at 5:00 PM
Arrive: Los Angeles (LAX) at 6:10 PM
Flight: Alaska Airlines 259

Walter

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Friday, January 30, 2009 1:56 PM
To: Walter Nelson
Subject: travel

Walter:

Have you settled on flight plans for Vallarta? Let me know ASAP - I'd like to make reservations this weekend....

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: [Edgar Haro](#)
To: wlr@tamu.edu
Subject: Tx codes
Date: Tuesday, March 17, 2009 11:34:02 AM

Hi Bill,

I am working on the naming nomenclature of inbred lines we have from TAMU. Sometimes I have what I think should be a "R" line like the following:

However they don't have the "R" designator in front of them.
I think the TAM designations are old ones and they are ok the way they are shown.

Thanks,
Edgar

Edgar Haro, Ph.D.
Senior Manager Plant Breeding
Ceres, Inc.
3199 County Road 269 East
Somerville, TX. 77879
Tel: (979) 272-2262
Cell: (979) 324-8046
www.ceres.net

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: Umbrella hybrids
Date: Tuesday, April 28, 2009 7:02:18 PM

Hi Bill,

I need to re-code the umbrella hybrids you gave Bud for our trials. Can you send me the codes and pedigrees for the hybrids you gave him?

Thanks!

Walter

From: Bud Wylie
Sent: Tuesday, April 28, 2009 3:26 PM
To: Walter Nelson
Subject: Umbrella

Walter,

What are the codes for the Umbrella hybrids?

Bud Wylie
Manager, Commercial Trials
Ceres, Inc
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
210-882-7257
bwylie@ceres-inc.com

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: Updated seed shipment
Date: Wednesday, March 25, 2009 4:55:56 PM
Attachments: [Confidential Spring 2009 Sorghum Seed shipment AM v02.xls](#)

Bill,

Just so we're on the same page, here is the updated seed shipment summary.

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: Visit Monday
Date: Tuesday, June 16, 2009 8:45:09 AM

Bill,

Looks like I'll be out on Monday to meet with the licensing folks for a few hours. Would like to stop by the fields at some point if ok with you. Can get a map or something from you or Delroy or whomever if you're not around.

Also, still had in my mind an interest in visiting the LA Greenfuels guys with you at some point. Interested in going on Tuesday? I will probably go visit with Spencer sometime in July, so not urgent in any way...but thought it would be useful to go with you at some point as well. Just a thought....

W

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net

From: [Walter Nelson](#)
To: [Bill Rooney](#)
Subject: Visit to CS on Monday
Date: Wednesday, July 08, 2009 4:03:52 PM

Bill,

I will be arriving in College Station on Sunday and will be there for one day. Would like to visit the fields on Monday morning. Would someone over there be available to show me around? Am flexible on time, but will be asking Juerg the same question.

Walter

Walter E Nelson
Ceres, Inc.
1535 Rancho Conejo Blvd.
Thousand Oaks, CA 91320
voice: (805)376-6548
www.ceres.net