

From: [Rene Clara](#)
To: [John Yohe](#); [Bill Rooney](#)
Subject: Coordination of INTSORMIL-SICTA
Date: Thursday, October 15, 2009 2:45:35 PM

Dear Dr. John and Bill,

I have told with Dr. Francisco Enciso, of the SICTA with head office in IICA, Costa Rica, about of INTSORMIL-SICTA coordination to deliver the Directors of the Research Institutes of the region, the new BMR forage sorghum varieties, so that they could do their own selections with the advice of the INTSORMIL.

Both Dr. Enciso and Dr. Bernardo Mora, Executive Director of the SICTA, they would like having an introduction conversation with you on the role of the INTSORMIL in Central America and the coordination with the SICTA, to develop this activity and others to future.

The direction of Dr. Mora is:

bmora@costarricense.cr

The direction Dr. Enciso is:

francisco.enci so@i i ca. i nt

I would like that you will communicate with them to have a better formality.

Ragards,

René Clará V.

INTSORMIL

Host Regional Coordinator

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

E-mail: reneclara@yahoo.com

From: [Bill Rooney](#)
To: ["scontreras@ag.tamu.edu"](mailto:scontreras@ag.tamu.edu)
Subject: copying for Agro642
Date: Monday, September 07, 2009 11:43:00 AM
Attachments: [Lecture 2 - Hardy-Weinberg Handouts.pdf](#)
[Agro642 - TAES Sorghum Breeding Program.pdf](#)

Susie:

I need the following files printed and 14 copies produced for my Agro 642 class tomorrow morning (September 8). You can make the copies double sided to save a little paper. Collate and staple each file separately.

I'll pick them up at 9:30 tomorrow morning (class is at 9:35)

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: [Bill Rooney](#)
To: ["Patricia Klein"](#); ["Les Kuhlman"](#); ["Stelly David"](#)
Cc: ["Karen L. Prihoda"](#)
Subject: copyright forms for GENOME article
Date: Monday, August 17, 2009 6:25:00 AM
Attachments: [09-105 Copyright License.pdf](#)

Trish, David and Les:

Could you please fill out, print, and sign. Trish and Dave, please send the signed form back to me - I'll send all of ours to Canada together. Les - can you get yours to them directly?

The revisions are so minimal that Les and I will work them out (mainly what type of files to send).

Thanks for your help.

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



BETWEEN: NATIONAL RESEARCH COUNCIL OF CANADA ("NRC") Research Press

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(the "Manuscript"), manuscript number 09-105, written by the following

author(s): Les C. Kuhlman, Byron L. Burson, David M. Stelly, Patricia E. Klein, Robert R. Klein, H.J. Price, and William L. Rooney

for publication in: Genome

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From: [McCutchen, Bill](#)
To: [Turner, Nancy](#); lrooney@tamu.edu
Cc: [Keeton, Jimmy](#); [Baltensperger, David](#); wlr@tamu.edu; [Nessler, Craig](#); [Schuerman, Peter L.](#)
Subject: CPRIT
Date: Thursday, November 12, 2009 12:19:20 PM

Nancye and Lloyd,

Any chance that we could share the sorghum CPRIT proposal (confidentially) with Robert Harris? We think he maybe coming around to IP terms.

Thanks,

Bill

From: awards@csrees.usda.gov
To: d-gilliland@tamu.edu
Cc: wlr@tamu.edu
Subject: CSREES Award Notification 2009-34619-19965
Date: Wednesday, August 12, 2009 6:30:10 PM
Attachments: [2009-04080_2009_V0.PDF](#)
[2009-04080_BUDGET_V0.PDF](#)

Date: 08/12/2009

To: "William A. Dugas"

Reference: "2009-04080"

Attached is your CSREES Award Notification.

Please refer to box 14 of the award document for administrative and programmatic contact information.

This is an automated message; please do not reply.

Funds will be made available at the U.S. Department of Health and Human Services' Payment Management System (DHHS-PMS) or through Treasury's ASAP system in your next letter of authorization.

If you are a new CSREES awardee, a DHHS-PMS or Treasury-ASAP account (with CSREES) must be established. If you have not received your official awardee package from the Funds Management Section (FMS), please contact FMS staff at (202) 401-4527.

Cc: "William L. Rooney"

United States Department of Agriculture
Cooperative State Research, Education and Extension Service
Office of Extramural Programs
Awards Management Branch

Need Assistance? Please call (202) 401-4986.

From: [Brewer, Gaye - Dairy One](#)
To: ["wlr@tamu.edu"](mailto:wlr@tamu.edu)
Subject: Dairy One Sample Results
Date: Thursday, October 15, 2009 3:45:17 PM
Attachments: [DC375554-1.CSV](#)
[RR287796.rtf](#)
[PD318196.pdf](#)

Multiple formats of Forage lab sample result reports are provided as attachments to this email. Depending on the program you use to read your email you can either "double-click" on the attachment to open it, or "right-click" and then select "open" or "save".

- The ".pdf" format provides the best-looking version of the report. To read this format you must have Adobe Acrobat Reader installed on your computer. If you do not have this program and would like to install it, it can be downloaded free-of-charge from our website at www.DairyOne.com, or from the Adobe website. Please note that Acrobat Reader versions 7.0 and higher cannot be installed on computers running Windows98.

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- The ".csv" (comma separated values) format is not a formal report, but a data file. It will usually open in the Microsoft Excel spreadsheet program, if it is installed on your computer.

14336620 ##### LOO4079 0 FR SORGHU SORGHUM DRY STEM

7.9

92.1	7.6	-1	-1	7.6	55.4	74.4	-1	52
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0.35	0.41	0.17	-1	-1	0.36	0.15	0.27	2.04
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0.003	82	45	8	36	0.5	-1	57	-1
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LOO4079 08CMP 0443
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HEEP BLDG TEXAS A&M UNIVERSITY
COLLEGE STATION, TX 77843-2474

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.03	2.27
ME, 1X	0.84	1.84
NEL, 3X	0.45	1.00
NEM, 3X	0.46	1.02
NEG, 3X	0.21	0.47
TDN1X, %	52	

COMMENTS:

- 1.THIS SAMPLE WAS TESTED TWICE
FOR NEUTRAL DETERGENT FIBER TO
CONFIRM THE VALUE LISTED.

|Sample Description |Farm|Code| Sample |
|FR SORGHUM FORAGE | |273D|14336620|

SORGHUM DRY STEM GROUND

Analysis Results

Components	As Fed	DM
% Moisture	7.9	
% Dry Matter	92.1	
% Crude Protein	7.0	7.6
% Adjusted Crude Protein	7.0	7.6
% Acid Detergent Fiber	51.1	55.4
% Neutral Detergent Fiber	68.5	74.4
% NFC	9.7	10.5
% TDN	48	52
NEL, Mcal/Lb	.32	.35
NEM, Mcal/Lb	.38	.41
NEG, Mcal/Lb	.15	.17
Relative Feed Value		57
% Calcium	.33	.36
% Phosphorus	.13	.15
% Magnesium	.24	.27
% Potassium	1.88	2.04
% Sodium	.003	.003
PPM Iron	76	82
PPM Zinc	42	45
PPM Copper	7	8
PPM Manganese	34	36
PPM Molybdenum	.5	.5



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ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
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TDN1X, %	52	

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|Sample Description|Farm|Code|Sample|
|FR SORGHUM FORAGE| |273D|14336620|

SORGHUM DRY STEM GROUND

Analysis Results

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% Dry Matter	92.1	
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% TDN	48	52
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NEM, Mcal/Lb	.38	.41
NEG, Mcal/Lb	.15	.17
Relative Feed Value		57
% Calcium	.33	.36
% Phosphorus	.13	.15
% Magnesium	.24	.27
% Potassium	1.88	2.04
% Sodium	.003	.003
PPM Iron	76	82
PPM Zinc	42	45
PPM Copper	7	8
PPM Manganese	34	36
PPM Molybdenum	.5	.5

From: [Brewer, Gaye - Dairy One](#)
To: ["wlr@tamu.edu"](mailto:wlr@tamu.edu)
Subject: Dairy One Sample Results
Date: Wednesday, October 14, 2009 4:30:52 PM
Attachments: [DC375214-1.CSV](#)
[RR287543.rtf](#)
[PD317874.pdf](#)

Multiple formats of Forage lab sample result reports are provided as attachments to this email. Depending on the program you use to read your email you can either "double-click" on the attachment to open it, or "right-click" and then select "open" or "save".

- The ".pdf" format provides the best-looking version of the report. To read this format you must have Adobe Acrobat Reader installed on your computer. If you do not have this program and would like to install it, it can be downloaded free-of-charge from our website at www.DairyOne.com, or from the Adobe website. Please note that Acrobat Reader versions 7.0 and higher cannot be installed on computers running Windows98.

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- The ".csv" (comma separated values) format is not a formal report, but a data file. It will usually open in the Microsoft Excel spreadsheet program, if it is installed on your computer.

14322730	#####	L004079 SC SORGHUM 07CMP-0029	6.6
14322800	#####	L004079 SC SORGHUM 07CMP-0041	5.8
14336680	#####	LOO4079 0 FR SORGHUM SORGHUM DRY STEM	6.3

93.4	10.3	8.5	1.8	9.5	34.7	53.2	-1	57
94.2	4.3	3.5	0.8	4.3	58.3	75.6	-1	52
93.7	8.7	-1	-1	8.7	61.1	79.1	-1	51

0.56	0.53	0.27	-1	-1	0.23	0.19	0.25	1.89
0.34	0.42	0.17	-1	-1	0.23	0.15	0.12	1.45
0.27	0.39	0.14	-1	-1	0.56	0.06	0.27	3.33

0.005	208	22	6	47	0.6	-1	108	-1
0.003	49	14	4	17	0.5	-1	53	-1
0.004	93	38	6	24	0.6	-1	49	-1

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L004079 SORGHUM DRY WHOLE PLANT
BILL ROONEY
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HEEP BLDG TEXAS A&M UNIVERSITY
COLLEGE STATION, TX 77843-2474

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.14	2.52
ME, 1X	0.95	2.10
NEL, 3X	0.53	1.17
NEM, 3X	0.55	1.22
NEG, 3X	0.30	0.65
TDN1X, %	57	

COMMENTS:

1.THIS SAMPLE WAS TESTED TWICE
FOR NEUTRAL DETERGENT FIBER TO
CONFIRM THE VALUE LISTED.

|Sample Description |Farm|Code| Sample |
|SORGHUM SILAGE | |373D|14322730|

07CMP-0029

Analysis Results

Components	As Fed	DM
% Moisture	6.6	
% Dry Matter	93.4	
% Crude Protein	9.6	10.3
% Available Protein	7.9	8.5
% ADICP	1.7	1.8
% Adjusted Crude Protein	8.8	9.5
% Acid Detergent Fiber	32.4	34.7
% Neutral Detergent Fiber	49.6	53.2
% NFC	24.9	26.7
% TDN	54	57
NEL, Mcal/Lb	.52	.56
NEM, Mcal/Lb	.49	.53
NEG, Mcal/Lb	.25	.27
Relative Feed Value		108
% Calcium	.21	.23
% Phosphorus	.18	.19
% Magnesium	.24	.25
% Potassium	1.76	1.89
% Sodium	.004	.005
PPM Iron	194	208
PPM Zinc	21	22
PPM Copper	6	6
PPM Manganese	44	47
PPM Molybdenum	.6	.6



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L004079 SORGHUM DRY WHOLE PLANT
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ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.01	2.23
ME, 1X	0.82	1.80
NEL, 3X	0.44	0.98
NEM, 3X	0.45	0.99
NEG, 3X	0.20	0.44
TDN1X, %	52	

COMMENTS:

1.THIS SAMPLE WAS TESTED TWICE
FOR NEUTRAL DETERGENT FIBER TO
CONFIRM THE VALUE LISTED.

|Sample Description |Farm|Code| Sample |
|SORGHUM SILAGE | |373D|14322800 |

07CMP-0041

Analysis Results

Components	As Fed	DM
% Moisture	5.8	
% Dry Matter	94.2	
% Crude Protein	4.1	4.3
% Available Protein	3.3	3.5
% ADICP	.8	.8
% Adjusted Crude Protein	4.1	4.3
% Acid Detergent Fiber	54.9	58.3
% Neutral Detergent Fiber	71.2	75.6
% NFC	10.8	11.4
% TDN	49	52
NEL, Mcal/Lb	.32	.34
NEM, Mcal/Lb	.40	.42
NEG, Mcal/Lb	.16	.17
Relative Feed Value		53
% Calcium	.21	.23
% Phosphorus	.14	.15
% Magnesium	.12	.12
% Potassium	1.36	1.45
% Sodium	.002	.003
PPM Iron	47	49
PPM Zinc	13	14
PPM Copper	4	4
PPM Manganese	16	17
PPM Molybdenum	.5	.5



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COLLEGE STATION, TX 77843-2474

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.01	2.24
ME, 1X	0.82	1.81
NEL, 3X	0.44	0.98
NEM, 3X	0.45	0.99
NEG, 3X	0.20	0.44
TDN1X, %	51	

COMMENTS:

1.THIS SAMPLE WAS TESTED TWICE
FOR CRUDE PROTEIN TO CONFIRM
THE VALUE LISTED.

Sample Description	Farm	Code	Sample
FR SORGHUM FORAGE		273D	14336680
SORGHUM DRY STEM GROUND			
Analysis Results			
Components	As Fed	DM	
% Moisture	6.3		
% Dry Matter	93.7		
% Crude Protein	8.2	8.7	
% Adjusted Crude Protein	8.2	8.7	
% Acid Detergent Fiber	57.2	61.1	
% Neutral Detergent Fiber	74.1	79.1	
% NFC	5.3	5.7	
% TDN	48	51	
NEL, Mcal/Lb	.25	.27	
NEM, Mcal/Lb	.37	.39	
NEG, Mcal/Lb	.14	.14	
Relative Feed Value		49	
% Calcium	.52	.56	
% Phosphorus	.06	.06	
% Magnesium	.25	.27	
% Potassium	3.12	3.33	
% Sodium	.004	.004	
PPM Iron	87	93	
PPM Zinc	36	38	
PPM Copper	6	6	
PPM Manganese	22	24	
PPM Molybdenum	.5	.6	



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NEG, 3X	0.30	0.65
TDN1X, %	57	

COMMENTS:

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CONFIRM THE VALUE LISTED.

Sample Description	Farm	Code	Sample
SORGHUM SILAGE		373D	14322730

07CMP-0029

Analysis Results

Components	As Fed	DM
% Moisture	6.6	
% Dry Matter	93.4	
% Crude Protein	9.6	10.3
% Available Protein	7.9	8.5
% ADICP	1.7	1.8
% Adjusted Crude Protein	8.8	9.5
% Acid Detergent Fiber	32.4	34.7
% Neutral Detergent Fiber	49.6	53.2
% NFC	24.9	26.7
% TDN	54	57
NEL, Mcal/Lb	.52	.56
NEM, Mcal/Lb	.49	.53
NEG, Mcal/Lb	.25	.27
Relative Feed Value		108
% Calcium	.21	.23
% Phosphorus	.18	.19
% Magnesium	.24	.25
% Potassium	1.76	1.89
% Sodium	.004	.005
PPM Iron	194	208
PPM Zinc	21	22
PPM Copper	6	6
PPM Manganese	44	47
PPM Molybdenum	.6	.6



FORAGE TESTING LABORATORY

DAIRY ONE, INC.

730 WARREN ROAD

ITHACA, NEW YORK 14850

607-257-1272 (fax 607-257-1350)

Sampled	Recvd	Printed	ST	CO
	10/08/09	10/14/09		

L004079 SORGHUM DRY WHOLE PLANT
BILL ROONEY
DEPT OF SOIL& CROP SCIENCE
HEEP BLDG TEXAS A&M UNIVERSITY
COLLEGE STATION, TX 77843-2474

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.01	2.23
ME, 1X	0.82	1.80
NEL, 3X	0.44	0.98
NEM, 3X	0.45	0.99
NEG, 3X	0.20	0.44
TDN1X, %	52	

COMMENTS:

1. THIS SAMPLE WAS TESTED TWICE
FOR NEUTRAL DETERGENT FIBER TO
CONFIRM THE VALUE LISTED.

Sample Description	Farm	Code	Sample
SORGHUM SILAGE		373D	14322800
07CMP-0041			
Analysis Results			
Components	As Fed	DM	
% Moisture	5.8		
% Dry Matter	94.2		
% Crude Protein	4.1	4.3	
% Available Protein	3.3	3.5	
% ADICP	.8	.8	
% Adjusted Crude Protein	4.1	4.3	
% Acid Detergent Fiber	54.9	58.3	
% Neutral Detergent Fiber	71.2	75.6	
% NFC	10.8	11.4	
% TDN	49	52	
NEL, Mcal/Lb	.32	.34	
NEM, Mcal/Lb	.40	.42	
NEG, Mcal/Lb	.16	.17	
Relative Feed Value		53	
% Calcium	.21	.23	
% Phosphorus	.14	.15	
% Magnesium	.12	.12	
% Potassium	1.36	1.45	
% Sodium	.002	.003	
PPM Iron	47	49	
PPM Zinc	13	14	
PPM Copper	4	4	
PPM Manganese	16	17	
PPM Molybdenum	.5	.5	



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ITHACA, NEW YORK 14850
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|Sampled|Recvd|Printed|ST|CO|
|10/12/09|10/14/09| | | |

LOO4079 08CMP 0549
BILL ROONEY
DEPT OF SOIL& CROP SCIENCE
HEEP BLDG TEXAS A&M UNIVERSITY
COLLEGE STATION, TX 77843-2474

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.01	2.24
ME, 1X	0.82	1.81
NEL, 3X	0.44	0.98
NEM, 3X	0.45	0.99
NEG, 3X	0.20	0.44
TDN1X, %	51	

COMMENTS:

1.THIS SAMPLE WAS TESTED TWICE
FOR CRUDE PROTEIN TO CONFIRM
THE VALUE LISTED.

|Sample Description|Farm|Code|Sample|
|FR SORGHUM FORAGE| |273D|14336680|

SORGHUM DRY STEM GROUND

Analysis Results

Components	As Fed	DM
% Moisture	6.3	
% Dry Matter	93.7	
% Crude Protein	8.2	8.7
% Adjusted Crude Protein	8.2	8.7
% Acid Detergent Fiber	57.2	61.1
% Neutral Detergent Fiber	74.1	79.1
% NFC	5.3	5.7
% TDN	48	51
NEL, Mcal/Lb	.25	.27
NEM, Mcal/Lb	.37	.39
NEG, Mcal/Lb	.14	.14
Relative Feed Value		49
% Calcium	.52	.56
% Phosphorus	.06	.06
% Magnesium	.25	.27
% Potassium	3.12	3.33
% Sodium	.004	.004
PPM Iron	87	93
PPM Zinc	36	38
PPM Copper	6	6
PPM Manganese	22	24
PPM Molybdenum	.5	.6

From: [Brewer, Gaye - Dairy One](#)
To: ["wlr@tamu.edu"](#)
Cc: ["nileshdighe@tamu.edu"](#)
Subject: Dairy One Sample Results
Date: Friday, October 16, 2009 2:47:50 PM
Attachments: [DC375760-1.CSV](#)
[RR287944.rtf](#)
[PD318397.pdf](#)

Multiple formats of Forage lab sample result reports are provided as attachments to this email. Depending on the program you use to read your email you can either "double-click" on the attachment to open it, or "right-click" and then select "open" or "save".

- The ".pdf" format provides the best-looking version of the report. To read this format you must have Adobe Acrobat Reader installed on your computer. If you do not have this program and would like to install it, it can be downloaded free-of-charge from our website at www.DairyOne.com, or from the Adobe website. Please note that Acrobat Reader versions 7.0 and higher cannot be installed on computers running Windows98.

- The ".rtf" format should open in Microsoft Word (if installed), or the program Wordpad, which is included in most recent versions of Windows.

- The ".csv" (comma separated values) format is not a formal report, but a data file. It will usually open in the Microsoft Excel spreadsheet program, if it is installed on your computer.

94.6	8.1	-1	-1	8.1	54.6	75.7	-1	52
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0.33	0.41	0.16	-1	-1	0.41	0.18	0.17	2.37
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0.012	258	101	8	26	1.1	-1	57	-1
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FORAGE TESTING LABORATORY
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|Sampled | Recvd |Printed |ST|CO|
| |10/09/09|10/16/09| | |

07CMP-0105
BILL ROONEY
DEPT OF SOIL& CROP SCIENCE
HEEP BLDG TEXAS A&M UNIVERSITY
COLLEGE STATION, TX 77843-2474

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.03	2.26
ME, 1X	0.83	1.84
NEL, 3X	0.45	1.00
NEM, 3X	0.46	1.01
NEG, 3X	0.21	0.46
TDN1X, %	52	

COMMENTS:

- 1.THIS SAMPLE WAS TESTED TWICE
FOR ZINC TO CONFIRM THE VALUE
LISTED.

Sample Description	Farm	Code	Sample
FR SORGHUM FORAGE		273D	14333930
SORGHUM DRY SILAGE GROUNDED			
Analysis Results			
Components	As Fed	DM	
% Moisture	5.4		
% Dry Matter	94.6		
% Crude Protein	7.6	8.1	
% Adjusted Crude Protein	7.6	8.1	
% Acid Detergent Fiber	51.7	54.6	
% Neutral Detergent Fiber	71.6	75.7	
% NFC	8.5	9.0	
% TDN	49	52	
NEL, Mcal/Lb	.31	.33	
NEM, Mcal/Lb	.38	.41	
NEG, Mcal/Lb	.15	.16	
Relative Feed Value		57	
% Calcium	.39	.41	
% Phosphorus	.17	.18	
% Magnesium	.16	.17	
% Potassium	2.24	2.37	
% Sodium	.011	.012	
PPM Iron	244	258	
PPM Zinc	96	101	
PPM Copper	8	8	
PPM Manganese	24	26	
PPM Molybdenum	1.1	1.1	



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|10/09/09|10/16/09| | | |

07CMP-0105
BILL ROONEY
DEPT OF SOIL& CROP SCIENCE
HEEP BLDG TEXAS A&M UNIVERSITY
COLLEGE STATION, TX 77843-2474

ENERGY TABLE - NRC 2001

	Mcal/Lb	Mcal/Kg
DE, 1X	1.03	2.26
ME, 1X	0.83	1.84
NEL, 3X	0.45	1.00
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NEG, 3X	0.21	0.46
TDN1X, %	52	

COMMENTS:

1.THIS SAMPLE WAS TESTED TWICE
FOR ZINC TO CONFIRM THE VALUE
LISTED.

Sample Description	Farm	Code	Sample
FR SORGHUM FORAGE		273D	14333930
SORGHUM DRY SILAGE GROUNDED			
Analysis Results			
Components	As Fed	DM	
% Moisture	5.4		
% Dry Matter	94.6		
% Crude Protein	7.6	8.1	
% Adjusted Crude Protein	7.6	8.1	
% Acid Detergent Fiber	51.7	54.6	
% Neutral Detergent Fiber	71.6	75.7	
% NFC	8.5	9.0	
% TDN	49	52	
NEL, Mcal/Lb	.31	.33	
NEM, Mcal/Lb	.38	.41	
NEG, Mcal/Lb	.15	.16	
Relative Feed Value		57	
% Calcium	.39	.41	
% Phosphorus	.17	.18	
% Magnesium	.16	.17	
% Potassium	2.24	2.37	
% Sodium	.011	.012	
PPM Iron	244	258	
PPM Zinc	96	101	
PPM Copper	8	8	
PPM Manganese	24	26	
PPM Molybdenum	1.1	1.1	

From: [Nilesh Dighe](#)
To: [Bill Rooney](#)
Subject: DairyOne samples Shipped
Date: Thursday, October 01, 2009 10:39:48 AM
Attachments: [DairyOne WetChem 09_1001.xls](#)

Dr. Rooney-

I shipped 80 samples to Dairy One this morning. Attached file includes the sample info.

Nilesh

Code	Quantity (g) to DairyOne
------	-----------------------------

07CMP-0718-2	19
07CMP-0493-1	21
07CMP-0525	21
08CMP-0443	21
07CMP-0505	21
07CMP-0101	21
07CMP-0680	21
07CMP-0105	21
07CMP-0735	21
08CMP-0479	21
08CMP-0549	21
07CMP-0103	21
08CMP-0440	21
08CMP-0885	21
08CMP-0581	21
07CMP-0161	21
08CMP-0484	21
08CMP-0891	21
07CMP-1172	21
08CMP-0454	21
08CMP-0877	21
07CMP-0003	21
08CMP-0531	21
08CMP-0445	21
07CMP-0183	21
07CMP-0130	21
08CMP-0600	21
08CMP-0566	21
08CMP-0871	21
08CMP-0577	21
07CMP-0137	21
07CMP-0020	21
07CMP-0126	21
07CMP-0005	21
07CMP-0102	21
07CMP-0030	21
07CMP-1197	21
07CMP-0029	21
07CMP-0021	21
07CMP-0034	21
08CMP-0628	21
07CMP-0017	21
07CMP-0026	21
07CMP-0015	21
07CMP-0032	21
07CMP-0037	21

07CMP-0010	21
07CMP-0025	21
07CMP-0006	21
07CMP-0001	21
07CMP-0129	21
07CMP-0004	21
07CMP-0014	21
07CMP-0028	21
07CMP-0002	21
07CMP-0016	21
07CMP-0011	21
07CMP-0013	21
07CMP-0110	21
07CMP-0125	21
07CMP-0009	21
07CMP-0027	21
07CMP-0012	21
07CMP-0007	21
07CMP-0018	21
07CMP-0160	21
07CMP-0158	21
07CMP-0035	21
07CMP-0157	21
07CMP-0127	21
07CMP-0128	21
07CMP-0039	21
07CMP-0043	21
07CMP-0054	21
07CMP-0162	21
07CMP-0041	21
07CMP-0049	21
07CMP-0047	21
07CMP-0046	21
07CMP-0045	21

Sent to	Contact	Trial Entry
NREL; DairyOne	Dan	NA
NREL; DairyOne	Dan	NA
NREL; DairyOne	Dan	NA
NREL; DairyOne	Leo	NA
NREL; DairyOne	Dan	NA
NREL; CERES; DairyOne	Michael	4
NREL; DairyOne	Dan	NA
NREL; CERES; DairyOne	Michael	9
NREL; DairyOne	Dan	NA
NREL; DairyOne	Leo	NA
NREL; DairyOne	Leo	NA
NREL; CERES; DairyOne	Michael	6
NREL; DairyOne	Leo	NA
NREL; DairyOne	Rebecca	22
NREL; DairyOne	Leo	NA
NREL; CERES; DairyOne	Rebecca	30
NREL; DairyOne	Leo	NA
NREL; DairyOne	Rebecca	28
NREL; DairyOne	Rebecca	37
NREL; DairyOne	Leo	NA
NREL; DairyOne	Rebecca	14
NREL; CERES; DairyOne	Dustin	3
NREL; DairyOne	Leo	NA
NREL; DairyOne	Leo	NA
NREL; DairyOne	Dan	NA
NREL; CERES; DairyOne	Rebecca	50
NREL; DairyOne	Leo	NA
NREL; DairyOne	Leo	NA
NREL; DairyOne	Rebecca	8
NREL; DairyOne	Leo	NA
NREL; CERES; DairyOne	Dan	21
NREL; CERES; DairyOne	Dustin	44
NREL; CERES; DairyOne	Rebecca	27
NREL; CERES; DairyOne	Dustin	6
NREL; CERES; DairyOne	Michael	5
NREL; CERES; DairyOne	Dustin	69
NREL; DairyOne	Rebecca	22
NREL; CERES; DairyOne	Dustin	68
NREL; CERES; DairyOne	Dustin	45
NREL; CERES; DairyOne	Dustin	75
NREL; DairyOne	Leo	NA
NREL; CERES; DairyOne	Dustin	35
NREL; CERES; DairyOne	Dustin	65
NREL; CERES; DairyOne	Dustin	33
NREL; CERES; DairyOne	Dustin	73
NREL; CERES; DairyOne	Dustin	153

NREL; CERES; DairyOne	Dustin	15
NREL; CERES; DairyOne	Dustin	64
NREL; CERES; DairyOne	Dustin	7
NREL; CERES; DairyOne	Dustin	1
NREL; CERES; DairyOne	Rebecca	30
NREL; CERES; DairyOne	Dustin	5
NREL; CERES; DairyOne	Dustin	32
NREL; CERES; DairyOne	Dustin	67
NREL; CERES; DairyOne	Dustin	2
NREL; CERES; DairyOne	Dustin	34
NREL; CERES; DairyOne	Dustin	16
NREL; CERES; DairyOne	Dustin	29
NREL; CERES; DairyOne	Michael	33
NREL; CERES; DairyOne	Rebecca	26
NREL; CERES; DairyOne	Dustin	13
NREL; CERES; DairyOne	Dustin	66
NREL; CERES; DairyOne	Dustin	25
NREL; CERES; DairyOne	Dustin	9
NREL; CERES; DairyOne	Dustin	37
NREL; CERES; DairyOne	Rebecca	29
NREL; CERES; DairyOne	Rebecca	27
NREL; CERES; DairyOne	Dustin	151
NREL; CERES; DairyOne	Rebecca	26
NREL; CERES; DairyOne	Rebecca	28
NREL; CERES; DairyOne	Rebecca	29
NREL; CERES; DairyOne	Dustin	155
NREL; CERES; DairyOne	Dustin	159
NREL; CERES; DairyOne	Dustin	170
NREL; CERES; DairyOne	Rebecca	50
NREL; CERES; DairyOne	Dustin	157
NREL; CERES; DairyOne	Dustin	165
NREL; CERES; DairyOne	Dustin	163
NREL; CERES; DairyOne	Dustin	162
NREL; CERES; DairyOne	Dustin	161

Entry Designation/Pedigree	Entry Type	Sorghum Type	Grounded Material
----------------------------	------------	-----------------	----------------------

Maturity Harvest	Maturity entry	Brown Midrib	Male Sterile	Produced in	Harvest #
------------------	-------------------	-----------------	-----------------	-------------	-----------

Notes

same as code:07CMP-1690

Ensiled

From: [Helms, Adam](#)
To: [Giroir, Brett](#)
Cc: [Pollard, Claudia](#); [McCutchen, Bill](#); [Avant, Bob](#); [Bill Rooney](#); [Spurlin, Shayna](#); [Simpson, Shay](#); [Slovacek, Jackie](#)
Subject: DARPA - Energy Crops
Date: Wednesday, October 14, 2009 1:20:17 PM
Attachments: [DARPA_STO_slides_081209jm_ds_wlr_ajh.ppt](#)
[DARPA_STO_slides_081209jm_ds_wlr_ajh.pdf](#)
[DARPA_Energy_Crops_V1.mpp](#)
[DARPA_Energy_Crops_V1.pdf](#)
[DARPA_RD_Proposal_SemiFinal_v3.doc](#)
[Milestones_Deliverables_Metrics_Master_Semifinal_v3.doc](#)

Brett,

Please find attached our updated proposal narrative, milestones/deliverables/metrics document, slideset (in ppt and pdf format) and the gantt chart (mpp and pdf format). The budget justifications will be finished this afternoon or tomorrow and we are on track to submit Friday morning if not sooner to DARPA-STO.

I understand you are traveling, but if you have the opportunity to review these documents and provide your input, it would be appreciated.

Best,

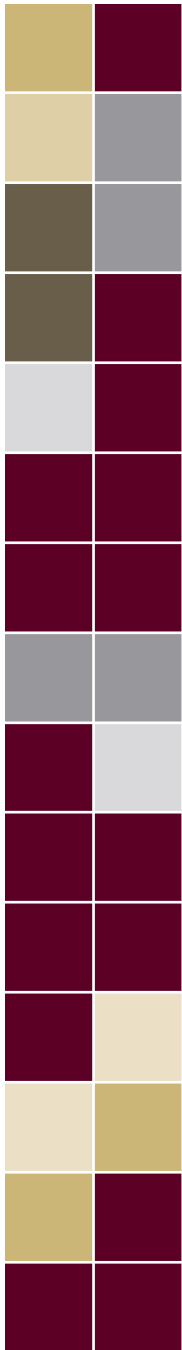
Adam

Adam Helms
Project Manager
Corporate Relations
Texas AgriLife Research
Texas A&M University System
100E Centeq Building A, Research Park
1500 Research Parkway
College Station, Texas 77843-2583
979-255-0752 (mobile)
979-458-2677 (office)

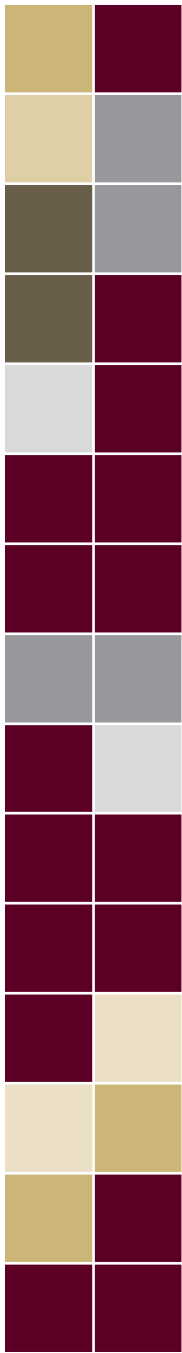
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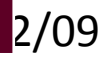
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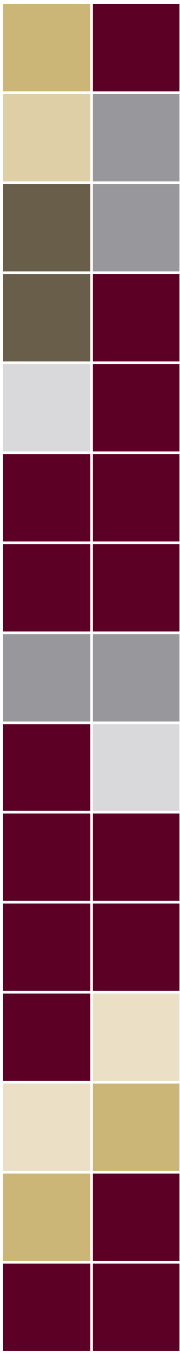
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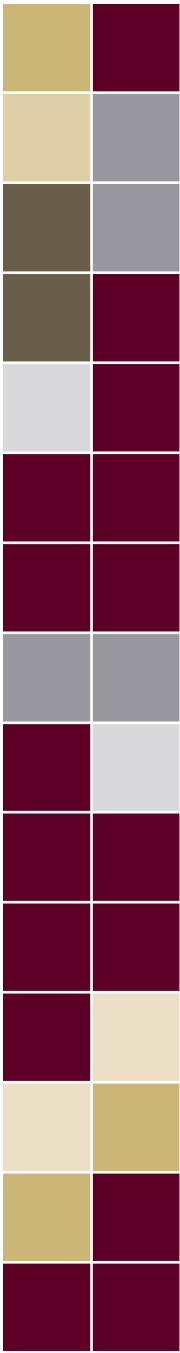


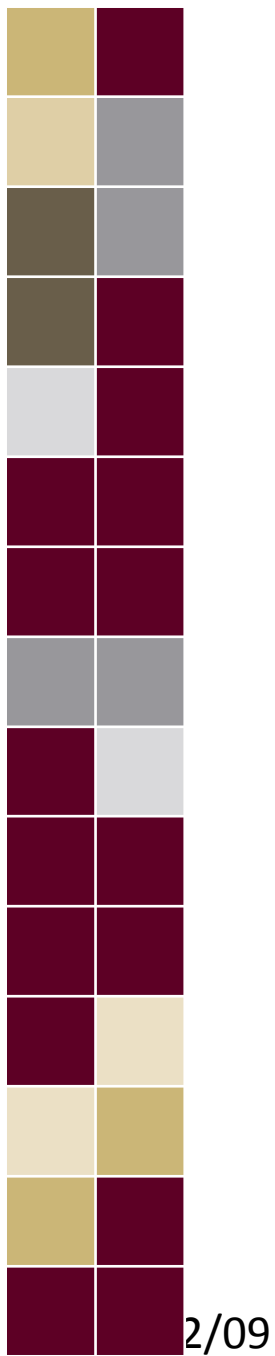














12/09

From: [Stelly David](#)
To: [Rooney Bill](#); [Mullet John](#); [J. Michael Gould](#); ssearcy@tamu.edu; [Patricia Klein](#); [McCutchen Bill](#); [Avant Bob](#); [Shay Simpson](#); [Shayna Spurlin](#); [Zak Kendra](#); [Michelle Nelson](#); [Stelly David David M.](#); [Adam Helms](#)
Cc: [Stelly David David M.](#)
Subject: DARPA appendix of terms
Date: Wednesday, October 14, 2009 5:39:17 PM
Attachments: [terms.doc](#)

Draft of a terminology sheet to possibly be included as an appendix to the DAARPA proposal. Please add terms and definitions that may be useful to readers from outside the disciplines entailed herein.

David

From: [John Mullet](#)
To: [Bob Avant](#); [Bill Rooney](#); [Stelly David Stelly](#)
Cc: [Bill McCutchen](#)
Subject: DARPA draft
Date: Wednesday, September 02, 2009 8:05:46 AM
Attachments: [DARPA R&D Plan 90209.doc](#)
[ATT00029.txt](#)

All,

I revised the front part of our proposal and provided space for the GOAL implementation plans/budgets we are developing.

Thanks,

John

From: [John Mullet](#)
To: [Jackie Slovacek](#)
Cc: [Bill McCutchen](#); [Bob Avant](#); [Bill Rooney](#); [Stelly David Stelly](#)
Subject: DARPA Draft
Date: Monday, September 07, 2009 9:37:09 AM
Attachments: [DARPA R&D Plan 90709.doc](#)
[ATT00051.txt](#)

Jackie,

I have assembled sections of the DARPA proposal for the discussion at noon. These versions may or may not be the latest, but they are what I have right now. Steve's modifications are not yet in Goal 1 for example.

Please distribute as needed to others.

Thanks,

John



From: [Mullet, John E](#)
To: wlr@tamu.edu
Subject: DARPA draft updates
Date: Sunday, September 06, 2009 10:03:11 AM
Attachments: [GOAL 2 JM BR 090609.dat](#)
[DARPA R&D Plan 90409.doc](#)

Bill,

I updated the Intro and GOAL 2. The templates are attached for your use.

Also, in talking to Kimberley about harvesting the R. /R. population, she asked if one or two people from your group might be available to help with the field harvest? We are thinking about the week of Sept 20 or 27 for the harvest (3-6 plants per F3 family) - take back to the greenhouse to assay traits (dry/grind for NIR).

Thanks,

John

/Users/johnmullet/Desktop/DARPA_R&D Plan_90409.doc

From: [John Mullet](#)
To: [Bob Avant](#); [Bill Rooney](#); [Stelly David Stelly](#)
Cc: [Bill McCutchen](#)
Subject: DARPA draft
Date: Wednesday, September 09, 2009 11:11:27 AM
Attachments: [DARPA_RD Plan_90909_vers_4.doc](#)
[ATT00138.txt](#)

All,

I am attaching the most recent, and near final draft in case you would like to look this over again. I realize the formatting is not uniform throughout, but it is a draft and I expect further modification based on Dr. Giroir's input. Send me any final comments by noon and I will incorporate.

David is working on a possible replacement for Figure 3.

Bill has a summary budget that will be included as an appendix.

We need to develop a project map with time lines.

Thanks,

John

From: [McCutchen, Bill](#)
To: [Rooney Bill](#); [Avant, Bob](#); [Gould Mike](#); pklein@tamu.edu; [Mullet, John E](#); jwrichardson@tamu.edu; ssearcy@tamu.edu; stelly@tamu.edu
Cc: [Baltensperger, David](#); [Reinhart, Gregory](#); [Marty Dickman](#); [Davis, Tim](#); [Nichols, John P](#); [Riskowski, Gerald](#); [Hussey, Mark](#); [Dugas, William](#); [Giroir, Brett](#); [Lunt, David](#); [Slovacek, Jackie](#); [Penn, Nancye B](#); [Pollard, Claudia](#)
Subject: DARPA FW: Energy Crops Full Proposal from TAMUS
Date: Monday, September 14, 2009 12:38:29 PM
Attachments: [DARPA RD Proposal for High-Biomass Energy Crops.doc](#)

All,

Please see the note below as it pertains to our official submission to DARPA per their request. I apologize that this full-proposal had to be crafted so quickly, but it was important to meet DARPA's timelines as well as provide this document prior to the upcoming visit by Dr. Regina Dugan on Thursday and Friday of this week. The faculty will have 30 mins with Dr. Dugan this Friday afternoon at the Norman E. Borlaug Center for Southern Crop Improvement to showcase the sorghum and sorghum materials in the greenhouse facilities.

Please call Jackie, Bob Avant or me with any questions.

Thanks,

Bill

--

Bill F. McCutchen, Ph.D.
Associate Director
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113 Jack K. Williams Administration Building
2142 TAMU College Station, TX 77843-2142
979-845-8488 Tel
979-458-4765 Fax
bmccutchen@tamu.edu

From: McCutchen, Bill
Sent: Monday, September 14, 2009 12:25 PM
To: Douglas.Kirkpatrick@darpa.mil
Cc: [Giroir, Brett](#); [Pollard, Claudia](#); [Slovacek, Jackie](#)
Subject: Energy Crops Full Proposal from TAMUS

Doug,

Please find attached a full proposal entitled " " as a follow-up from our 2-page executive summary. Per our previous discussions, our proposal covers the following:

If you agree, may I ask you to provide this proposal to Dr. Regina Dugan, your new Director, prior to her visit to the A&M campus later this week? We have a tour planned for Dr. Dugan and DARPA that will take place at Norman E. Borlaug Center for Southern Crop Improvement. We will utilize this proposal as a framework/outline for general and casual "walk and talk" discussion around the greenhouse complex displaying some incredible sorghum and sorcane (wide-hybrid) materials.

Thanks in advance, and we are looking forward to talking with you soon.

Very best regards,

Bill

--

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From: McCutchen, Bill
Sent: Friday, July 24, 2009 2:24 PM
To: Douglas.Kirkpatrick@darpa.mil
Cc: Giroir, Brett
Subject: Energy Crops Proposal from TAMUS

Doug,

It was great visiting with you and your colleagues last week. Please find attached a two-page proposal (and 3 Figures) entitled

We hope this meets yours and DARPA's expectations. The proposed R&D and corresponding technology platforms will address many energy-security issues for the DOD and the United States.

Please give me a call if you have any questions, and we look forward to your feedback.

Very best regards,

Bill

--

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From: [Bill Rooney](#)
To: ["Stelly, David"](#)
Cc: ["Avant, Bob"](#); ["McCutchen, Bill"](#); ["Mullet, John E"](#)
Subject: DARPA GOAL 3
Date: Wednesday, September 02, 2009 8:34:00 AM
Attachments:

David:

Attached is my first attempt at Goal 3, which is the . A couple of thought for both you and the group when considering this draft.

First, I've limited the and for the breeding (later objectives) it is focused solely on the sorghum/sugarcane work. The reason for this is to streamline the project and give it some focus based on the information that we have at this time. While we may have success with other grass species (ie, corn), we can pursue opportunities elsewhere for them in the future as appropriate.

Second, I've not yet put numbers to the categories. I wanted to get this to you for your input and editing. I'll be thinking about funds today and if you have thoughts please include them in the revision.

Third, I've not listed other faculty and don't plan on it in this draft. I would like to establish that after this appears more likely to be funded. If I'm wrong on that please let me know. I have listed the role of the weslaco station (and other as appropriate) in the draft.

Fourth, the molecular characterization is important, and I need help in fleshing this out. Hopefully between John, Trish and Dave you can help.

Finally, I received the overview document that John sent out this morning, but I've not included this in that and don't think we should until we have this section in a more finished phase.

Now, I'm onto Goal 1.

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: [John Mullet](#)
To: [Bob Avant](#); [Bill Rooney](#)
Cc: [Bill McCutchen](#)
Subject: DARPA-1 draft
Date: Tuesday, September 01, 2009 10:57:15 AM
Attachments: [DARPA Draft_obj_1_JM comments.doc](#)
[ATT00030.txt](#)

Bob and Bill,

I made some suggestions on the objectives listed in the first draft of Objective 1 for your consideration.

Thanks,

John

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From: [John Mullet](#)
To: [Bill Rooney](#)
Subject: DARPA-2
Date: Wednesday, September 02, 2009 5:42:33 PM
Attachments: [DARPA_2_JM_BR_090209-vers. 3.doc](#)
[ATT00061.txt](#)

Bill,

Another more cleaned up version of DARPA-Goal 2 is attached.

Once you have time, let me know how this could be improved.

Thanks,

John