



Cornell University
College of Agriculture and Life Sciences

Julie L. Hansen
Plant Breeding and Genetics Section
School of Integrative Plant Science
101 Love Lab
Ithaca, NY 14853
T: 607-255-5043
F: 607-255-6344
JLH17@cornell.edu

DATE: January 31, 2017
FROM: Julie Hansen and Don Viands
RE: Cornell University Forage Yield and Quality Evaluation Trials

Dear Cooperator:

We are offering to evaluate forage cultivars in New York State. We request that the applications be returned by March 31st if possible, with seed, signed testing agreement and check for the testing fee following soon after March 31st. All participating companies must sign the 'Cornell University Standard Product Testing Agreement'.

Alfalfa Yield Trials. Five alfalfa trials are planned for spring 2017. In April/May, three trials will be planted in South-Central NY (Ithaca, Ithaca - no insecticide, Ithaca + roundup), and two trials will be planted in Western NY (WNY, WNY + roundup). The Ithaca site is generally a three to four cut management and Western NY is generally a four cut management. Please send 100-200 grams of seed per trial location. Cultivars should be from a commercial seed lot.

Fee: The fee is \$550 for each cultivar in each trial; \$550 for experimental populations planted at Western NY, and \$500 for experimental populations planted at Ithaca.

Red Clover and Birdsfoot Trefoil Yield Trials. Red clover and birdsfoot trefoil trial entries will be tested at Ithaca NY in separate trials. Please send 100-200 grams of seed per trial location.

Fee: The fee is \$450 per entry.

Perennial Grass Yield and Forage Quality Trials. Timothy, Smooth Bromegrass, Orchardgrass, Tall Fescue, Perennial Ryegrass, Reed Canarygrass and other grass species cultivars and experimental populations will be planted in Ithaca. Grass trials are planted in the spring and grouped by species. Please send 100-300 grams of seed per entry (300 grams for perennial ryegrass and tall fescue).

Fee: The fee is \$600 per trial entry.

Testing Procedure: For each grass species, entries will be planted in a trial with four replicates. All entries within a species will be harvested at the same time, starting in mid-May. An additional replicate will be planted to obtain heading dates and forage quality data. Four samples for forage quality will be taken from each entry in this replicate for the first two production years, two samples at first harvest and two samples at late boot stage. Data reported will include, yield, heading date, % stand, percent neutral detergent fiber and percent digestible neutral detergent fiber at first harvest, and at late-boot stage.

Annual Grass Yield Trials (spring planted Annual Ryegrass, Sorghum Sudangrass and others)

Annual forages cultivars and experimentals will be tested in separate trials and will be planted in South-Central NY (Ithaca). All trials are planted in the spring. Please send 400 grams of seed per entry.

Fee: The fee is \$300 per trial entry.

There are three application forms, one for alfalfa, one for red clover / birdsfoot trefoil, one for perennial and annual grasses and forages. The application forms are also available on the web (<http://plbrgen.cals.cornell.edu/research-extension/forage-project/ny-forage-yield-results>) in Microsoft Word and pdf format. Also accepted are e-mail messages that contain the application information (JLH17@cornell.edu).

We will do our best to successfully establish all trials this spring (including forage grasses). If a spring-seeded trial has variable and low plant stands, the trial will be reestablished in late July or early August.

Reports of trial results will be sent by e-mail and will be available on the web. Reports will be mailed upon request. Report format is anticipated to be similar to past reports. To view past reports, go to <http://plbrgen.cals.cornell.edu/research-extension/forage-project/ny-forage-yield-results>. Trial reports are sent to Extension educators and presented at extension meetings throughout the year.

Best wishes for the coming season. Please contact us if you have questions or comments, or would like to tour the trials.

APPLICATION FOR ALFALFA IN CORNELL UNIVERSITY YIELD TRIALS – 2017

(Forms available at <http://plbrgen.cals.cornell.edu/research-extension/forage-project/ny-forage-yield-results>)

Deadline: March 31, 2017

Fee: \$550 for each cultivar/trial; except for experimental populations planted at Ithaca; \$500 per experimental at Ithaca NY

Send: Application information, 100 to 200 grams of seed per entry, and check to Cornell.

Payment: Check payable to ‘Plant Breeding and Genetics Section, Cornell University’

Address: D. R. Viands, Cornell University, 523 Bradfield Hall, Ithaca, New York 14853-1902.

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Please fill out form or e-mail the appropriate information (JLH17@cornell.edu):

Distributor/Marketer	Breeder/Developer:
Company _____	Company _____
Contact/Title _____	Contact/Title _____
Address _____	Address _____
City, ST, Zip _____	City, ST, Zip _____
Phone / Fax _____	Phone _____
E-mail _____	E-mail _____
Web address _____	Web address _____

<u>Cultivar (\$550) or Experimental (\$500) Designation</u>	<u>Trial Locations Requested (mark with X or √)</u>				<u>Western NY Roundup Ready</u>
	<u>Ithaca – Central NY</u>	<u>Ithaca – Central NY- Roundup Ready</u>	<u>Ithaca – Central NY- No Insecticide</u>	<u>Western NY</u>	
Fee per trial entry	\$550 or \$500	\$550 or \$500	\$550 or \$500	\$550	\$550

Fees: For Cultivars \$550 per location; For experimental populations at Ithaca \$500.

**APPLICATION FOR RED CLOVER and BIRDSFOOT TREFOIL ENTRIES IN
CORNELL UNIVERSITY YIELD TRIALS - 2017**

(Forms available at <http://plbrgen.cals.cornell.edu/research-extension/forage-project/ny-forage-yield-results>)

Deadline: March 31, 2017

Fee: \$450 per entry

Send: Application, 100 to 200 grams of seed per entry, and check.

Payment: Check payable to Plant Breeding and Genetics Section, Cornell University'

Address: D. R. Viands, Cornell University, 523 Bradfield Hall, Ithaca, New York 14853-1902.

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Please fill out form or e-mail the appropriate information (JLH17@cornell.edu):

Distributor/Marketer

Company _____
 Contact/Title _____
 Address _____
 City, ST, Zip _____
 Phone / Fax _____
 E-mail _____
 Web address _____

Breeder/Developer:

Company _____
 Contact/Title _____
 Address _____
 City, ST, Zip _____
 Phone _____
 E-mail _____
 Web address _____

Entry Name	Red Clover or BFT?	Fee \$450 per trial	Variety (V) or Experimental (E)?	Additional Information
Total		\$		

**APPLICATION FOR PERENNIAL GRASS and ANNUAL GRASS and OTHER FORAGES ENTRIES IN
CORNELL UNIVERSITY YIELD TRIALS - 2017**

(Forms available at <http://plbrgen.cals.cornell.edu/research-extension/forage-project/ny-forage-yield-results>)

Deadline: March 31, 2017

Fee: \$600 per entry for Perennial grass entries; \$300 for Annual grass and Other forages entries

Send: Application, check, and 100 to 400 grams of seed per entry (send 300 grams for perennial ryegrass and tall fescue, 400 grams for annual grasses and other forages)

Payment: Check payable to Plant Breeding and Genetics Section, Cornell University"

Address: D. R. Viands, Cornell University, 523 Bradfield Hall, Ithaca, New York 14853-1902.

Please fill out form or e-mail the appropriate information (JLH17@cornell.edu):

Distributor/Marketer	Breeder/Developer:
Company _____	Company _____
Contact/Title _____	Contact/Title _____
Address _____	Address _____
City, ST, Zip _____	City, ST, Zip _____
Phone / Fax _____	Phone _____
E-mail _____	E-mail _____
Web address _____	Web address _____

Entry Name	Marketing Company	Grass Species	P=perennial A=annual	Cultivar Characteristics Maturity / Ploidy / Endophyte /Other	Fee (\$600 for perennial, \$300 for annual)
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
Total					\$

Please attach available variety or experimental descriptions, or describe below.

**CORNELL UNIVERSITY
STANDARD PRODUCT TESTING AGREEMENT**

Cornell University ("Cornell")	Product Supplier ("Client")	
Principal Investigator: Don Viands/ Julie Hansen Department: SIPS, Plant Breeding and Genetics Section Address: 101 Love Lab, 126 Medicago Drive Cornell University Ithaca, New York 14853 Phone: (607) 255-5043 Email: jlh17@cornell.edu	Client Contact: Client's Company Name: Address: Phone: Email:	
Return signed agreement to Investigator, electronic submission preferred. Send to JLH17@cornell.edu.	Amount: \$ (Not to Exceed \$20,000)	Duration of Testing: 04/01/17 – 03/31/18 (Not to Exceed 1 year)

Terms and Conditions

1. The Client will transfer the product or device (hereinafter "Material") to Cornell to be evaluated in its original state under the terms of this Agreement. The Client will furnish the Material and the testing protocol as described on page 2, Schedule A, of this Agreement. Cornell shall use reasonable efforts to perform the testing as described in Schedule A.
2. Cornell will furnish the Client with a copy of the testing report ("Report") as the deliverable under this Agreement. The Client recognizes that the Investigator and other investigators engaged in this testing are free to publish results and to use data generated, collected and summarized for research and educational purposes, and to share such with entities including but not limited to Cornell's county extension offices and New York growers and manufacturers. The Client's support may be acknowledged in publications unless the Client desires otherwise and so advises Cornell in writing in Schedule A.
3. Client proprietary or confidential information designated as such in writing, and accepted for use by Cornell, shall be afforded the same degree of care that Cornell exercises in protecting its own confidential information.
4. Neither party shall make use of this Agreement or the name of the other party in any publicity, advertising, news release, or in any other manner (except in publications noted in 2 above) without the prior written approval of the other party.
5. The Client will provide Material Safety Data Sheets, labeled (content and safeguards) Material, other hazard information, and appropriate shipping papers, permits and notifications in accordance with OSHA and DOT regulations and sufficient to permit reasonable safe use and operation of the Material and the proper interpretation of test results. The Investigator will return unused material within six months of the conclusion of testing. The Client will take back any unused Material returned within this timeframe. All costs and risks of transporting Material to and from Cornell shall be borne by the Client and are not included in the Agreement amount.
6. The material will be used in accordance with the testing protocol described in Schedule A. The Client shall have no right in any new intellectual property other than the rights to possess a copy of and use the Report.
7. Cornell will not insure the Material and shall not be responsible for any damage to Material. It is the responsibility of the Client to carry appropriate insurance covering the Material sent to or tested by Cornell and in the event of a loss or damage to the material; client's sole recourse is to rely on its own insurance covering the material and shall not make a claim against Cornell for such loss or damage.
8. Each party shall indemnify, defend and hold the other party harmless from and against all losses, damage, expenses, actions, and claims (including court costs and attorneys' fees) arising out of its own negligence, willful misconduct, willful omission of relevant of information, or breach of its obligations hereunder. Notwithstanding the above, Client shall indemnify and hold harmless Cornell, its officers, agents and employees from any liability, loss or damage (including court costs and attorneys' fees) attributable in whole or in part to Client's subsequent use of or reliance upon the Report or the sale or distribution of any product related to Material.
9. Cornell University makes no representations or warranties express or implied, regarding its performance under this

Agreement, including but not limited to, the marketability, use or fitness for any particular purpose of the product or the results developed under this Agreement. Further, it is understood that Cornell shall not be liable for any direct, indirect, consequential, or incidental damages, as a result of Client's use of the Report and the results contained therein or any other information otherwise provided by the Investigator. The provisions of this Agreement shall survive any termination or expiration of this Agreement. The laws of the State of New York shall apply to all disputes arising under the Agreement.

10. This Agreement is the complete Agreement between the Client and Cornell and supersedes all prior understandings regarding the scope of work described in Schedule A of this Agreement.

Investigator Signature	J. Hansen	Date	Client Contact Signature	Date
Department Chair Signature		Date	Authorized Client Official Signature	Date
Name: Dr. Jeff Doyle			Name/Title:	
CALS Research Officer Signature		Date		

Schedule A: Testing Protocol

Forage yield trials planted in 2017 will be managed, harvested and stand data collected for three production years. Seed will be sent to Cornell by the Client and Cornell will plant the seed in plots, manage the alfalfa plot trials using the testing protocol developed by the North American Alfalfa Improvement Conference (http://www.naaic.org/stdtests/forage_testing.pdf) and will manage the red clover, birdsfoot trefoil, perennial grass and annual forage plot trials for maximum yield and uniform growth. Data will be reported to the Client and also will be available at multiple websites.