

# SWEET CORN NUTRIENT BMP CHALLENGE® 2012 AGREEMENT

Grower's Name: \_\_\_\_\_

Farm Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: (work): \_\_\_\_\_ (cell): \_\_\_\_\_ (fax): \_\_\_\_\_

Email: \_\_\_\_\_ Tax ID: \_\_\_\_\_

You agree to work with Cornell Cooperative Extension's Agricultural Stewardship Program in an on-farm trial to evaluate the performance of controlled release nitrogen fertilizer (CRNF) in commercial sweet corn production. The program will compare the CRNF to your grower standard (GS) fertilizer. Fertilizer plots will be arranged in the field so that a direct side-by-side comparison can be made.

## Terms of Agreement:

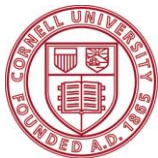
1. Plant fertilizer plots of the GS and CRNF at least 8-planted rows wide running the length of the field to allow for adequate harvest of replicated subsections (approximately 300 ears total) during yield/quality assessment.
2. Calibrate application equipment with Ag Stewardship staff in advance of applying any fertilizer to either of the fertilizer programs.
3. Apply CRNF at a rate of 120 lbs. nitrogen per acre (N/A). Place flags in the field to denote CRNF plot.
4. Do not apply a sidedress application to the CRNF plot.
5. Keep planting date, variety, irrigation and pest management practices the same throughout the growing season for both the CRNF and GS fertilizer plots.
6. Record fertilizer formulation, date of application, pounds N/A, and nitrogen source for each fertilizer program and at sidedress where applicable.
7. Identify where pesticide records are kept to ensure safe entry into the field for Ag Stewardship staff when monitoring crop development and taking tissue and stalk samples to evaluate nitrogen release and plant uptake throughout the growing season.
8. Contact AG Stewardship staff at least one day prior to harvest so that replicated subsection samples can be taken (approximately 300 ears) for yield/quality assessment.

In return you will be compensated for any yield loss of the CRNF program compared to the yields of your GS program (maximum of \$1,000 per acre). Losses include reduced yield and or quality due to nutrient insufficiency of the CRNF. The amount of reciprocation will be determined based on Long Island's current wholesale or retail market price depending on the growers' market at time of harvest. CCE's Potato/Vegetable specialist and Ag Stewardship technicians will determine yield loss by comparison of the CRNF BMP yield to that of the GS conventional nitrogen fertilizer yield immediately adjacent to the comparison plot.

Grower Signature: \_\_\_\_\_ Date: \_\_\_\_\_

By signing you indicate that you have read and accept the terms of the **BMP CHALLENGE** Agreement and that all data submitted is accurate to the best of your knowledge.

# SWEET CORN NUTRIENT BMP CHALLENGE® 2012 AGREEMENT



**Cornell University**  
Cooperative Extension  
of Suffolk County

**Extension Education Center**  
423 Griffing Avenue, Suite 100  
Riverhead, New York 11901-3071  
t. 631.727.7850  
f. 631.727.7130

## CROP ADVISOR INFORMATION

**Name:** \_\_\_\_\_  
CCE Potato / Vegetable Specialist

Telephone Extension: \_\_\_\_\_

Email: \_\_\_\_\_

**Name:** \_\_\_\_\_  
CCE Agricultural Stewardship Technician

Telephone Extension: \_\_\_\_\_

Email: \_\_\_\_\_

**Name:** \_\_\_\_\_  
CCE Agricultural Stewardship Coordinator

Telephone Extension: \_\_\_\_\_

Email: \_\_\_\_\_

**PLEASE RETURN COMPLETED AGREEMENT TO:** BMP CHALLENGE, 4510 Regent St., Madison WI 53705 or FAX to 608-232-1440, or scan and send to; [rebecca.ressl@bmpchallenge.org](mailto:rebecca.ressl@bmpchallenge.org)

NOTE: The BMP CHALLENGE is not designed to cover reduction in net economic returns

- Due to any failure to provide adequate care for the crop;
- Due to any damage to the crop that is caused intentionally;
- Due to non-compliance with the BMP CHALLENGE Grower Agreement;
- Due to any other causes, even if the damage may have occurred in conjunction with insufficient nitrogen, phosphorus or potassium;
- Due to damage caused, directly or indirectly, by environmental pollutants including improper useage or application of agricultural chemicals, weather accidental or intended; or that is covered by any contract of insurance or recoverable under manufacturer or seller warranty.

The BMP CHALLENGE is administered by Agflex, a commercial service company. Agflex is not an insurance company, nor an insurance agent. Agflex does not offer nor sell insurance or provide insurance advice. Agflex and BMP CHALLENGE services are not covered under any state insurance guaranty fund. The Agflex BMP CHALLENGE service is only part of a grower's comprehensive crop management program which may also include the purchase of state or federal crop insurance from a licensed and authorized insurance agent. Applicable Law: This is a commercial contract and shall be deemed written in, and governed under, the laws of the state in which the acreage is located. Dispute Settlement: Unless prohibited by law in the state in which this service agreement is issued, all related disputes will be settled by arbitration under rules of the American Arbitration Association. More information on Agflex including Agflex's privacy policy is available at [www.agflex.com](http://www.agflex.com) or by request to 608 232-1425.

**SWEET CORN NUTRIENT BMP CHALLENGE® 2012**  
Controlled Release Nitrogen Fertilizer Evaluation

**FIELD INFORMATION (Complete for Each Field Enrolled)**

**Grower Name:** \_\_\_\_\_ **Field Name or Number:** \_\_\_\_\_

**GS** program will be fertilized with traditional commercial fertilizer. **BMP** plot is to be fertilized with CRNF blend program recommended by CCE's staff.

**Yield History:** Report yields only for years sweet corn was grown in the field.

2011:  
Bags/A \_\_\_\_\_ Number of Ears/Bag \_\_\_\_\_

2010:  
Bags/A \_\_\_\_\_ Number of Ears/Bag \_\_\_\_\_

2009:  
Bags/A \_\_\_\_\_ Number of Ears/Bag \_\_\_\_\_

2008:  
Bags/A \_\_\_\_\_ Number of Ears/Bag \_\_\_\_\_

2007:  
Bags/A \_\_\_\_\_ Number of Ears/Bag \_\_\_\_\_

**Estimated yield goal for 2012:**

Bags/A \_\_\_\_\_ Number of Ears/Bag \_\_\_\_\_

**Fertilizer Cost (price per ton):**

CRNF: \_\_\_\_\_

GS at planting: \_\_\_\_\_

GS at sidedress: \_\_\_\_\_

# SWEET CORN NUTRIENT BMP CHALLENGE® 2012

## Controlled Release Nitrogen Fertilizer Evaluation

Field Name or Number: \_\_\_\_\_ GPS Location: \_\_\_\_\_

Variety: \_\_\_\_\_ Planting Date: \_\_\_\_\_ Soil Sample Date: \_\_\_\_\_

Between Row Spacing: \_\_\_\_\_ In Row Seed Spacing: \_\_\_\_\_

**BMP CHALLENGE CRNF Program:**

At Planting N (lbs/A): \_\_\_\_\_ Analysis: \_\_\_\_\_ Date: \_\_\_\_\_

**GS Program:**

At Planting N (lbs/A): \_\_\_\_\_ Analysis: \_\_\_\_\_ Date: \_\_\_\_\_

At Sidedress N (lbs/A) \_\_\_\_\_ Analysis: \_\_\_\_\_ Date: \_\_\_\_\_

Typical In-field Evaluation Set-up:

CRNF BMP Program			GS Program		
	REP I			REP I	
	REP II			REP II	
	REP III			REP III	
	REP IV			REP IV	
	REP V			REP V	
	REP VI			REP VI	

# SWEET CORN NUTRIENT BMP CHALLENGE® 2012

## Controlled Release Nitrogen Fertilizer Evaluation

Field Name or Number: \_\_\_\_\_ Harvest Date: \_\_\_\_\_

Market the seller plans to sell their crop to (circle): Fresh Market Wholesale Market

### 2012 Harvest Yields of Replicated Subsections:

		Marketable					Un Marketable	
Treatment	Replication	Ears (#)	Weight (lbs)	Length	Diameter	Tip fill <sup>1</sup>	Ears (#)	Weight (lbs)
CRNF	I							
CRNF	II							
CRNF	III							
CRNF	IV							
CRNF	V							
CRNF	VI							
		Marketable					Un Marketable	
Treatment	Replication	Ears (#)	Weight (lbs)	Length	Dia	Tip fill <sup>1</sup>	Ears (#)	Weight (lbs)
GS	I							
GS	II							
GS	III							
GS	IV							
GS	V							
GS	VI							

<sup>1</sup>Tip fill based on a 1-9 scale 1 being poor 9 being excellent

### 2012 CRNF Versus GS Trials Summary

				Marketable Yield			
Fertilizer		Nitrogen (lbs/A)		Ear No.	Weight	% Foliar Nitrogen <sup>1</sup>	
Program	Analysis	At Planting	At Sidedress	Total	(doz/A)	(cwt/A)	30 inch Tassel
<b>CRNF</b>							
<b>GS</b>							

<sup>1</sup>Total Nitrogen by Combustion; Adequate ranges: 30 inch stage 2.5 to 4.0; Tasseling 1.5 to 2.5