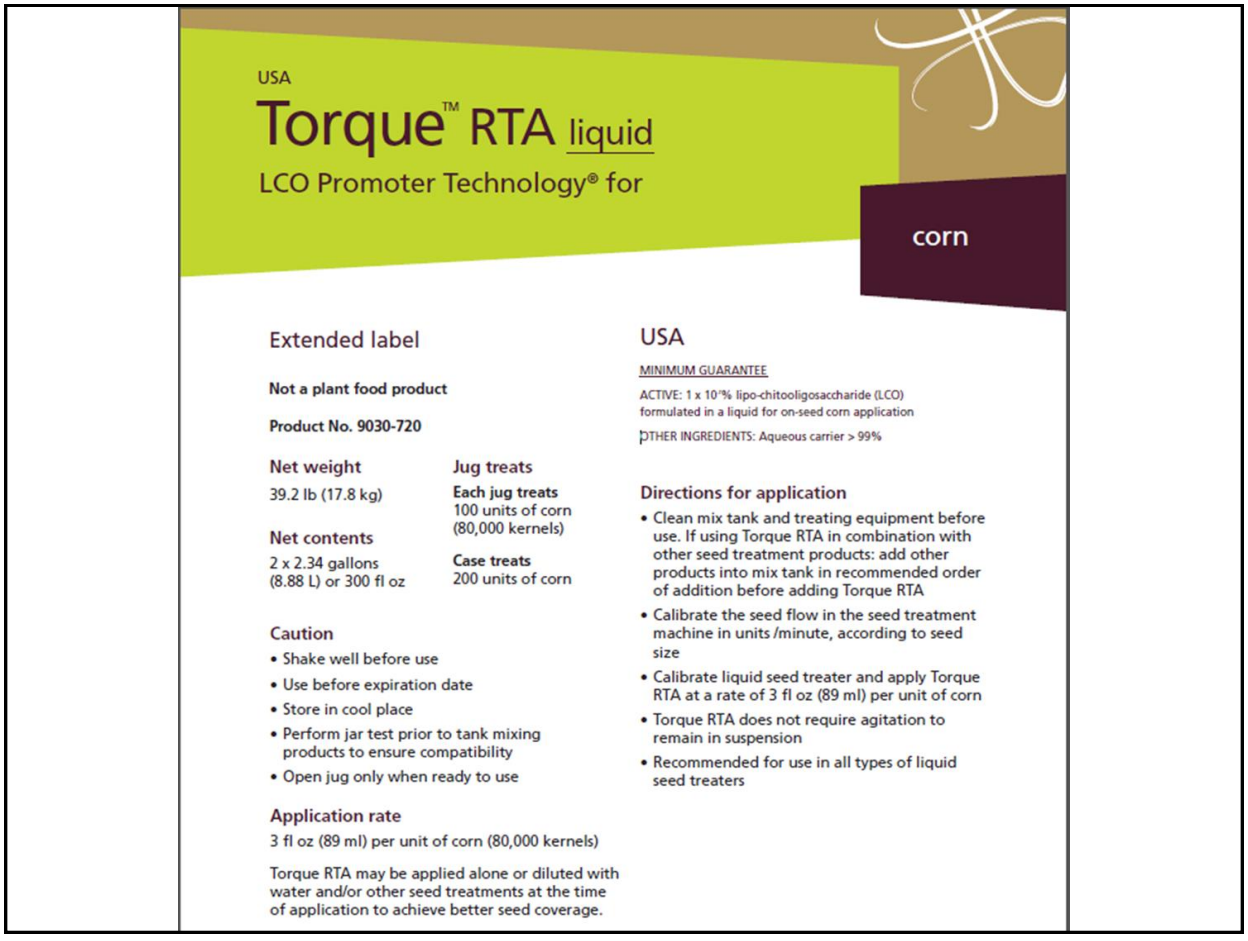
Nebraska On-Farm Research Network

Years:	2011
Title:	Crop Growth Promoter
Crop:	Irrigated Corn
Study ID:	004053201101
County:	Dodge
Objective:	To determine & document the effect of using LCO promoter technology on the profitability of producing corn.
Treatments:	Check vs Torque at 8 oz/acre

Nebraska Soybean & Feed Grains Profitability Project

Nebraska On-Farm Research Network



USA

Torque™ RTA liquid

LCO Promoter Technology® for

corn

Extended label

Not a plant food product

Product No. 9030-720

Net weight

39.2 lb (17.8 kg)

Net contents

2 x 2.34 gallons
(8.88 L) or 300 fl oz

Jug treats

Each jug treats
100 units of corn
(80,000 kernels)

Case treats
200 units of corn

Caution

- Shake well before use
- Use before expiration date
- Store in cool place
- Perform jar test prior to tank mixing products to ensure compatibility
- Open jug only when ready to use

Application rate

3 fl oz (89 ml) per unit of corn (80,000 kernels)

Torque RTA may be applied alone or diluted with water and/or other seed treatments at the time of application to achieve better seed coverage.

USA

MINIMUM GUARANTEE

ACTIVE: 1 x 10⁻⁹% lipo-chitooligosaccharide (LCO) formulated in a liquid for on-seed corn application

OTHER INGREDIENTS: Aqueous carrier > 99%

Directions for application

- Clean mix tank and treating equipment before use. If using Torque RTA in combination with other seed treatment products: add other products into mix tank in recommended order of addition before adding Torque RTA
- Calibrate the seed flow in the seed treatment machine in units /minute, according to seed size
- Calibrate liquid seed treater and apply Torque RTA at a rate of 3 fl oz (89 ml) per unit of corn
- Torque RTA does not require agitation to remain in suspension
- Recommended for use in all types of liquid seed treaters

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Results: 2011	Corn	(Pioneer 33D49)	
Variable	Check	Torque	Prob>/T/
Yield, bu/ac @ 15.5%	188	184	0.0545 *
Avg Moisture, %	16.3	16.3	---
Cost/ac	---	$5.00	

Planting Date: 5/3/2011 Harvesting Date: 10/21/2011

Summary: The yield in 2011 for the check treatment resulted in an yield advantange that was statistically significant. The cost of the Torque treament has not been justified in the last two years of data.

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