Nebraska On-Farm Research Network

Years:	2013
Title:	Interactions of Ratchet and Stratego YLD Fungicide
Crop:	Soybeans
County:	Butler
Study ID:	069023201302
Objective:	Document potential interactions of Ratchet and Stratego YLD on soybean yield
Treatments:	1) Herbicide + Ratchet @ 4 oz./acre 2) Herbicide + Ratchet followed by Stratego YLD @ 4 oz./acre 3) Herbicide followed by Stratego YLD @ 4 oz./acre 4) Herbicide only

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Results: 2013

6/8/13 - NK S28-K1 Planted 140,000 - Harvest 10/9/13
7/3/13 - Applied w/ 10 gpa, V2, Herbicide applied w/wo Ratchet as tank mix
Durango 32 oz./acre, Cadet 0.5 oz., 5 oz. Targa and 1 qt. crop oil/100 gal
8/9/13 - Stratego YLD @ 4 oz./acre, crop growth stage = R2-3 (some plants with pods, but not
8/12/13 - 2nd herbicide application consisting of 1 qt/acre Durango and 0.2 oz. Cadet + AMS

Ratchet is Novozymes' patented LCO Promoter Technology for foliar applications. This unique LCO (lipo-chitooligosaccharide) molecule enhances nutritional capabilities that improve nutritional capabilities that drive natural growth processes; maximizing plant health and crop performance. Ratchet is currently available for use in corn, soybeans and alfalfa

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Results: 2013 Soybeans - Ratchet and Fungicide

	Yield	Protein	Oil	Seed Wt.	Cost/A
Herbicide + Ratchet	61.0 A	35.2 A	18.7 A	18.1 A	$5.00
Herbicide + Ratchet, Fungicide	62.0 A	35.4 A	18.7 A	18.8 A	$25.00
Herbicide, Fungicide	61.6 A	35.4 A	18.7 A	18.9 A	$20.00
Herbicide	61.1 A	35.2 A	18.7 A	19.0 A	--
Prob>/T/	ns	ns	ns	ns	

Means followed by the same letter are not statistically different at the P<0.05 level (Tukeys HSD test, JMP 10.0.0)

SUMMARY: Addition of Ratchet and/or Stratego YLD in 2013 to June planted irrigated soybeans did not provide positive economic return.

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