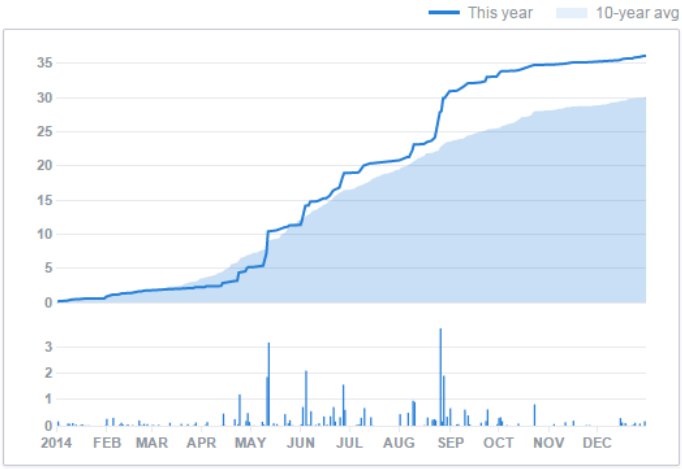
Nebraska On-Farm Research Network

Fungicide on Corn

Study ID: 006159201402
County: Seward
Soil Type: Hastings silt loam – silty clay loam
Planting Date: 4/22/2014
Harvest Date: 11/12/2014
Population: 34,000
Row Spacing: 30”
Hybrid: BigCob B06-47GT
Reps: 6
Previous Crop: Soybeans
Tillage: No-Till
Herbicides: Pre: Balance Flexx 5oz + Atrazine 4 L 1qt + RoundupPowerMAX 22oz – 4/28/14
Post: Durango 32oz + Impact ½oz + Zidua 2oz – 6/11/14
Insecticides/Fungicides: none

Fertilizer: 180lbs NH3, 10lbs 60% K, 15lbs 36% Zinc, 30lbs Sulfur – Spring, 80lbs MAP mid-March,
Irrigation: Pivot
Rainfall:



Introduction: This study is looking at the effects of applying a fungicide following a 6/3/14 hail storm. The fungicide QuiltXcel® was applied at the rate of 10.5 oz. on 6/11/14 and compared to treatments with no fungicide applied. The corn was in the V7-8 at the time of the fungicide application.

Results:

	Yield† (bu/acre)	Pinch Test (% of stalks that crushed)	Harvest Pop (plants/ac)	Net Return ‡
Check	147 A*	11.3 A	23,250 A	$513.14
Fungicide	143 A	7.5 A	24,250 A	$487.11
P-Value	*0.3698*	*0.3189*	*0.7132*	--

†Bushels per acre corrected to 15.5% moisture.
*Values with the same letter are not significantly different at a 90% confidence level.
‡Net return based on $3.50 corn and $15 fungicide cost.

Summary: There was no significant yield, pinch test, or harvest population difference between the check and fungicide treated corn.

Sponsored by: University of Nebraska Lincoln

In partnership with: Soybeans Nebraska Soybean Board; Nebraska Corn Board; Nebraska Corn Growers Association