



2012 AgroVantage Plot Results

OHIO INDEPENDENT RESEARCH

Buckeye Ag Testing

Troy, OH

5 Replications

Corn Test Plot

Wex[®] Non-ionic Surfactant

	Check	Wex
Yield, bpa	116.7 bpa	128.9 bpa
Moisture %	21.2%	20.5% lbs.
Difference vs Check		+12.2 bpa

When WEX is applied to the soil as a soil amendment it provides enhanced root development. In this dry season, the extra roots provided a tremendous yield increase of +12.2 bpa.

Amplify[®] Seed Treatment

	Check	Amplify
Yield, bpa	114.6 bpa	116.7 bpa
Moisture %	20.9%	21.2%
Difference vs Check		+2.1 bpa

Amplify provides a more uniform germination and emergence. Under these stressful conditions it came through with an impressive 5:1 return on investment.

Feast Side-Kick

	Check	Side-Kick 2 gpa – 2x2
Yield, bpa	116.7 bpa	121
Moisture %	21.2%	20.8%
Difference vs Check		+4.3 bpa

Following a soil test, it was recommended to add Potash and Sulfur to the soil. By putting SideKick 2x2 at only a 2 gpa rate, the yield increased over 4 bpa. Soil tests are the road map to what the crop needs.

Guardian® Nitrogen Additive

	Check	Guardian-DL 31-0-0 Side-dressed at V6
Yield, bpa	116.7 bpa	125 bpa
Moisture %	21.2%	20.3%
Difference vs Check		+8.3 bpa

Guardian is a nitrogen stabilizer that keeps the nitrogen in a useable form in the root zone for the plant to use throughout the growing season. Under stressful conditions there was a +8.3 bpa increase that was a tremendous boost to the bottom line.

Soil X-CYTO

	Check	Soil X-CYTO
Yield, bpa	119.8 bpa	130.2 bpa
Moisture %	21.2%	20.0%
Difference vs Check		+10.4 bpa

Using a Plant Growth Regulator such as Soil X-Cyto gives the plant a boost to get it off to a great start and make it better prepared for tough growing conditions. At a 10 ou/A rate it returned approximately \$60/A giving a great ROI.

Feast XL 26-0-0 0.5B foliar

	Check	Feast XL 2 gpa @ V6
Yield, bpa	119.8 bpa	130.8 bpa
Moisture %	21.2%	56.8 lbs
Difference vs Check		+11 bpa

Using Foliar feeding to supplement the regular fertilizing program, can give the plant needed nutrients are critical times during the season. In this trial, giving corn a feeding at the V6 stage was an +11 bpa increase using a plant safe nitrogen and boron fertilizer.

Super Cal 98G soil amendment

	Check	Super Cal 98G 50 lbs.
Yield, bpa	119.8 bpa	131 bpa
Moisture %	21.2%	20.8%
Difference vs Check		+11.2 bpa

Adjusting the soil pH, will allow the crops to better use the nutrients that are in the soil. SuperCAL 98G is a great product that allows for the lime to react with the soil very quickly as compared to other lime products that may take a longer time to react. An +11.2 bpa increase is a tremendous return for this soil amendment.