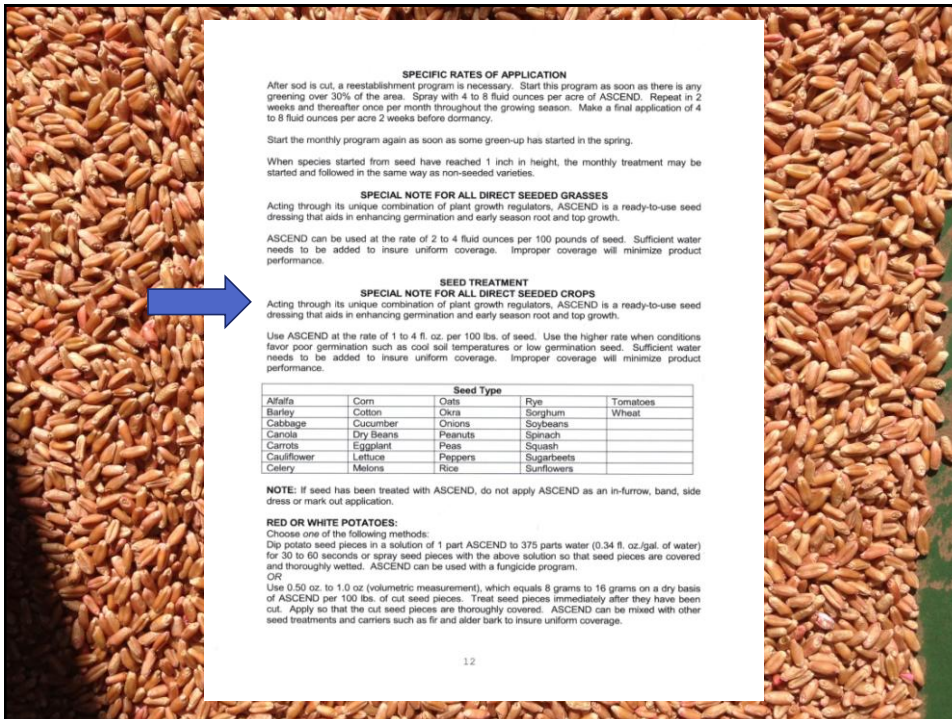


# KARTA Ascend Wheat Trial 2014

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Triple Threat Ag

## Objective

- \* Use Ascend in a side by side plot to see if it increases yield
- \* Reduce amount of variables to get accurate information
  - Multiple plots
  - Seed Treatment vs foliar application
  - Know soil profile
  - Fertilize with VRT Application
- \* Document results to a per acre cost vs benefit



**SPECIFIC RATES OF APPLICATION**

After sod is cut, a reestablishment program is necessary. Start this program as soon as there is any greening over 30% of the area. Spray with 4 to 8 fluid ounces per acre of ASCEND. Repeat in 2 weeks and thereafter once per month throughout the growing season. Make a final application of 4 to 8 fluid ounces per acre 2 weeks before dormancy.

Start the monthly program again as soon as some green-up has started in the spring.

When species started from seed have reached 1 inch in height, the monthly treatment may be started and followed in the same way as non-seeded varieties.

**SPECIAL NOTE FOR ALL DIRECT SEEDED GRASSES**

Acting through its unique combination of plant growth regulators, ASCEND is a ready-to-use seed dressing that aids in enhancing germination and early season root and top growth.

ASCEND can be used at the rate of 2 to 4 fluid ounces per 100 pounds of seed. Sufficient water needs to be added to insure uniform coverage. Improper coverage will minimize product performance.

**SEED TREATMENT**

**SPECIAL NOTE FOR ALL DIRECT SEEDED CROPS**

Acting through its unique combination of plant growth regulators, ASCEND is a ready-to-use seed dressing that aids in enhancing germination and early season root and top growth.

Use ASCEND at the rate of 1 to 4 fl. oz. per 100 lbs. of seed. Use the higher rate when conditions favor poor germination such as cool soil temperatures or low germination seed. Sufficient water needs to be added to insure uniform coverage. Improper coverage will minimize product performance.

Seed Type				
Alfalfa	Corn	Oats	Rye	Tomatoes
Barley	Cotton	Oats	Sorghum	Wheat
Cabbage	Cucumber	Onions	Soybeans	
Canola	Dry Beans	Peanuts	Spinach	
Carrots	Eggplant	Peas	Squash	
Cauliflower	Lettuce	Peppers	Sugarbeets	
Celery	Melons	Rice	Sunflowers	

**NOTE:** If seed has been treated with ASCEND, do not apply ASCEND as an in-furrow, band, side dress or mark out application.

**RED OR WHITE POTATOES:**

Choose one of the following methods:

Dip potato seed pieces in a solution of 1 part ASCEND to 375 parts water (0.34 fl. oz./gal. of water) for 30 to 60 seconds or spray seed pieces with the above solution so that seed pieces are covered and thoroughly wetted. ASCEND can be used with a fungicide program.

OR

Use 0.50 oz. to 1.0 oz (volumetric measurement), which equals 8 grams to 16 grams on a dry basis of ASCEND per 100 lbs. of cut seed pieces. Treat seed pieces immediately after they have been cut. Apply so that the cut seed pieces are thoroughly covered. ASCEND can be mixed with other seed treatments and carriers such as fir and alder bark to insure uniform coverage.

12

## Nutrient Plan:

### Terragator Spreader

Lime - VRT Average 1.6ton/ac - Late Summer

### WAKO Applicator

NH3 - 35#'s actual - Fall

11-52-0 - VRT/base rate of 25#'s - Fall

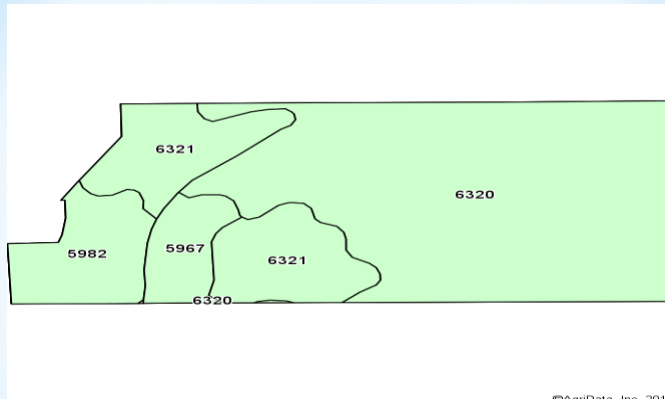
Potash - VRT/base rate of 10#'s- Fall

### Case Sprayer

32-0-0 - 55#'s actual - Spring

Thio-sul - 2 gal/ac - Spring

Fungicide - Did not apply(Drought)



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6320 Bethany silt loam, 0 to 1 percent slopes  
 6321 Bethany silt loam, 1 to 3 percent slopes  
 5982 Nalim loam, 1 to 3 percent slopes  
 5967 Tabler silty clay loam, 0 to 1 percent slopes

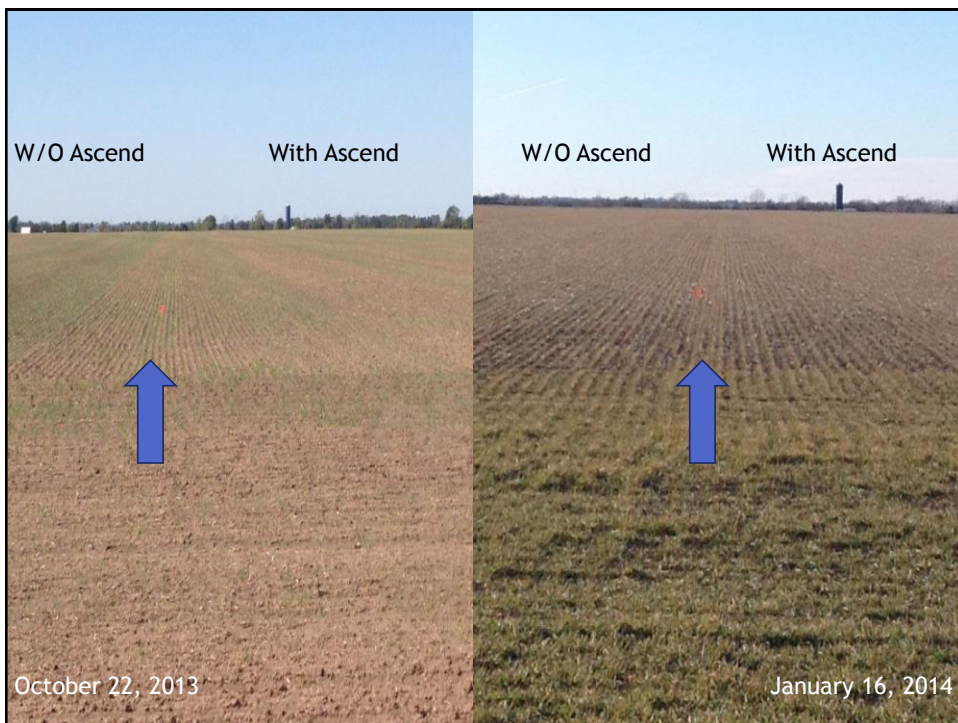
## Planting the Plot

Seed Wheat  
 Cedar - 82#s/ac Planted October 4th  
 Plots are 120' wide  
 5 - plots with Ascend seed treatment  
 5 - plots w/o

Google earth

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Imagery Date: 2/10/2013 27°29'26.54" N, 97°26'55.50" W, elev: 1328 ft, eye alt: 6099 ft









## Results

### W/Ascend

Plot 1 - 28.93bu

Plot 2 - 29.13bu

### W/O Ascend

Plot 1 - 26.15bu

Plot 2 - 25.86bu

## Cost of Product

\$4.87 / applied bushel of wheat

82#s/60 = 1.36 bu/acre

1.36 \* \$4.87 = **\$6.62/ac**

# Is it Profitable???

	Bu/Ac Advantage ✖	Price of Wheat =	Gross / Ac -	Cost of Ascend =	Profit
Plot 1 w/Ascend	2.78bu	\$5.55	\$15.42	\$6.62	\$8.80
Plot 2 w/Ascend	3.27bu	\$5.55	\$18.14	\$6.62	\$11.52

## Questions??

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