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2009 Fontanelle Test Results



Bud Gove Fontanelle seed dealer from Windom, MN. I used U.S. Ag's products Liquid Calcium, C4 and HA-12 on test plots throughout my corn. I have traditionally only used commercial NPK fertilizers on my dryland soybeans and corn. This year I did side by side controlled studies and documented the results.

This is the program I used this year:

100 lbs. nitrogen
20 lbs. phosphorus
60 lbs. potassium

Liquid Calcium 3 Gallons
Broadcast pre-emergence

C4 16 ounces foliar applied two times

HA-12 one gallon foliar applied two times

Documented Results

Lower Input Costs
Increased Germination
Visible Increased Plant Health
Overall Higher Yields (30bu)

In this picture you can clearly see where the crop was not sprayed with U.S. Ag's products.



Fontanelle Hybrids PLOT FORM



Plot Code _____ Latitude (N) 43.88360
 Cooperator Bud Gove Longitude (W) 95.1185
 Address _____ Corner: NE NW - SE - SW (circle one)
 City Windsor Feet left 100 Feet right 100
 State IA Zip _____ County Cottam (of plot site) (Plot dimensions from GPS corner)

1-800-CR-YIELD
 Salesperson Nepp
 Date Planted 5-2-09
 Planting Pop. 32200
 Date Harvested 11-21-09

Directions to plot/GPS corner:

| | | | | | | |
|---|--|---|--|--|---|---|
| PREVIOUS CROP <input checked="" type="checkbox"/> CORN <input type="checkbox"/> BEANS <input type="checkbox"/> HAY/ALFALFA <input type="checkbox"/> OTHER | PLOT TYPE <input type="checkbox"/> STRIP PLOT <input type="checkbox"/> SIDE BY SIDE <input type="checkbox"/> FIELD CHECK <input type="checkbox"/> REPLICATED | SOIL TEXTURE <input type="checkbox"/> COARSE (sand, loamy sand) <input checked="" type="checkbox"/> MEDIUM (silt and loams) <input type="checkbox"/> FINE (clay, silty clay, sandy clay) | WEIGH SYSTEM <input checked="" type="checkbox"/> WEIGH WAGON <input type="checkbox"/> YIELD MONITOR <input type="checkbox"/> GRAIN CART SCALE | DRAINAGE <input type="checkbox"/> EXCESSIVE <input checked="" type="checkbox"/> GOOD <input type="checkbox"/> MODERATE <input type="checkbox"/> POOR <input type="checkbox"/> VERY POOR | TILLAGE <input type="checkbox"/> NO-TILL <input type="checkbox"/> MIN-TILL <input checked="" type="checkbox"/> CONV <input type="checkbox"/> RIDGE <input type="checkbox"/> STRIP/ZONE <input type="checkbox"/> OTHER | WATER <input type="checkbox"/> IRRIGATED <input type="checkbox"/> DRYLAND ARID (limiting rainfall normally, irrigation is common) <input type="checkbox"/> DRYLAND WET (adequate rainfall normally, drainage tile is common) |
| SOIL FERTILITY LOW MEDIUM HIGH (circle one) | LBS/ACRE N: <u>100</u> P: <u>20</u> K: <u>60</u> S: _____ Zn: _____ | ORGANIC MATTER PERCENT (if known) _____ <input type="checkbox"/> LOW (<2.0%) <input checked="" type="checkbox"/> MED (2.0-4.5%) <input type="checkbox"/> HIGH (>4.5%) | SOIL pH VALUE (if known) _____ <input type="checkbox"/> LOW (<6.0) <input checked="" type="checkbox"/> MED (6.0-7.5) <input type="checkbox"/> HIGH (>7.5) | Comments: <u>H-12 & 4 Fert. Lizer Study</u> <u>Double Rate on 2 None on 3</u> | | |

| SEED COMPANY | CORN/SOY BRAND | TRAIT | TREATMENT | HRVST POP. (K) | STALK LODGE % | ROOT LODGE % | MOIST. % | WEIGHT (LBS.) | CROP RATIO (see below) | ROW LENGTH (FT.) | ROW WIDTH (IN.) | NO. OF ROWS | YIELD BU/ACRE @ 13% soy | TEST WT. |
|--------------|----------------|----------------------|-----------|----------------|---------------|--------------|----------|---------------|------------------------|------------------|-----------------|-------------|-------------------------|----------|
| Font | 4T722 | Regular Fert 4 Spray | C4 H12 | 100 | 20.6 | 1672 | 20.6 | 1672 | ** | 605 | 30 | 40 | 200.8 | 52 |
| | 4T722 | Double C-4 | H-12 | 100 | 21.8 | 1787 | 21.8 | 1787 | ** | | | | 211.4 | 51 |
| | 4T722 | No C-4 | H-12 | 100 | 21.5 | 1540 | 21.5 | 1540 | ** | | | | 182.9 | 51 |
| | 4T722 | Regular Fert 4 Spray | C4 H12 | 100 | 20.6 | 1763 | 20.6 | 1763 | ** | | | | 211.7 | 51 |
| | | | | 100 | | | | | ** | | | | | |
| | | | | 100 | | | | | ** | | | | | |
| | | | | 100 | | | | | ** | | | | | |
| | | | | 100 | | | | | ** | | | | | |
| | | | | 100 | | | | | ** | | | | | |
| | | | | 100 | | | | | ** | | | | | |

TESTIMONIAL/COMMENTS: ** Crop ratio: corn = 109.815 ; soy = 100.138
 I grant Fontanelle the right to use my photograph, related comments, and yield data recorded on this form.
 Signature: Bud Gove Date: 11/21/09

Fontanelle Hybrids PLOT FORM



Plot Code Y12CK Latitude (N) 43.88117
 Cooperator Bud Gove Longitude (W) 95.1171
 Address _____ Corner: NE - NW (SE) SW (circle one)
 City Windsor Feet left _____ Feet right _____
 State IA Zip _____ County _____ (of plot site) (Plot dimensions from GPS corner)

1-800-CR-YIELD
 Salesperson Nepp
 Date Planted 5-2-09
 Planting Pop. 39000
 Date Harvested 11-21-09

Directions to plot/GPS corner:

South Side of Hill
Shaded

| | | | | | | |
|---|---|---|--|--|---|---|
| PREVIOUS CROP <input checked="" type="checkbox"/> CORN <input type="checkbox"/> BEANS <input type="checkbox"/> HAY/ALFALFA <input type="checkbox"/> OTHER | PLOT TYPE <input checked="" type="checkbox"/> STRIP PLOT <input type="checkbox"/> SIDE BY SIDE <input type="checkbox"/> FIELD CHECK <input type="checkbox"/> REPLICATED | SOIL TEXTURE <input type="checkbox"/> COARSE (sand, loamy sand) <input checked="" type="checkbox"/> MEDIUM (silt and loams) <input type="checkbox"/> FINE (clay, silty clay, sandy clay) | WEIGH SYSTEM <input checked="" type="checkbox"/> WEIGH WAGON <input type="checkbox"/> YIELD MONITOR <input type="checkbox"/> GRAIN CART SCALE | DRAINAGE <input type="checkbox"/> EXCESSIVE <input checked="" type="checkbox"/> GOOD <input type="checkbox"/> MODERATE <input type="checkbox"/> POOR <input type="checkbox"/> VERY POOR | TILLAGE <input type="checkbox"/> NO-TILL <input type="checkbox"/> MIN-TILL <input checked="" type="checkbox"/> CONV <input type="checkbox"/> RIDGE <input type="checkbox"/> STRIP/ZONE <input type="checkbox"/> OTHER | WATER <input type="checkbox"/> IRRIGATED <input type="checkbox"/> DRYLAND ARID (limiting rainfall normally, irrigation is common) <input type="checkbox"/> DRYLAND WET (adequate rainfall normally, drainage tile is common) |
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|--------------|----------------|-------|-----------|----------------|---------------|--------------|----------|---------------|------------------------|------------------|-----------------|-------------|-------------------------|----------|
| Font | 4T722 | UT3 | P250 | 100 | 20.8 | 2619 | 20.8 | 2619 | ** | 395 | 30 | 8 | 240.3 | 53 |
| | | | | 100 | | | | | ** | | | | | |
| | | | | 100 | | | | | ** | | | | | |
| | | | | 100 | | | | | ** | | | | | |
| | | | | 100 | | | | | ** | | | | | |
| | | | | 100 | | | | | ** | | | | | |
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| | | | | 100 | | | | | ** | | | | | |
| | | | | 100 | | | | | ** | | | | | |

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