Field Corn Weed Control Update 2026

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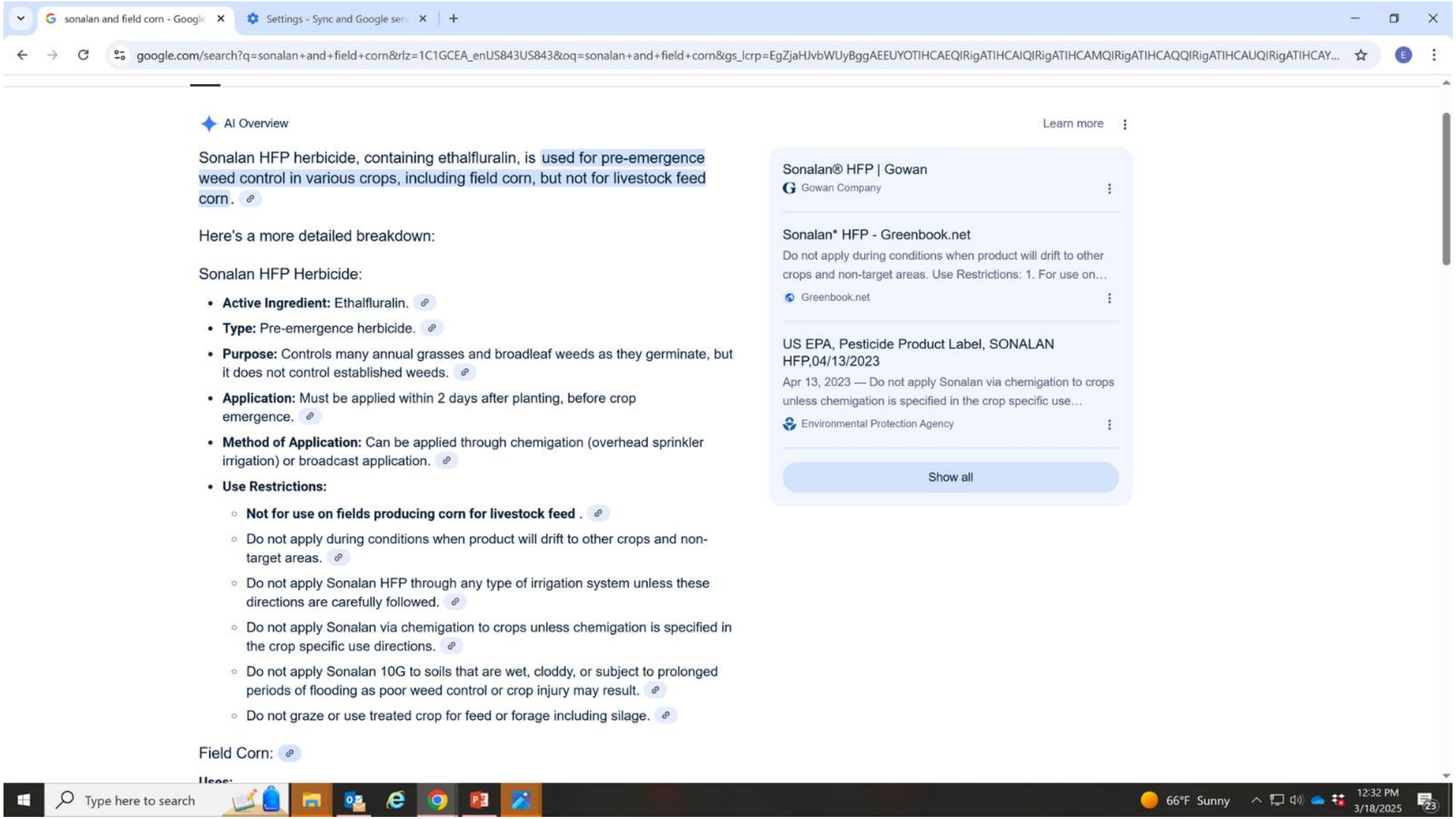
UNIVERSITY OF GEORGIA
College of Agricultural & Environmental Sciences

Where is grain agronomist?
04/17/25 – 5:17 AM

Topics for Discussion

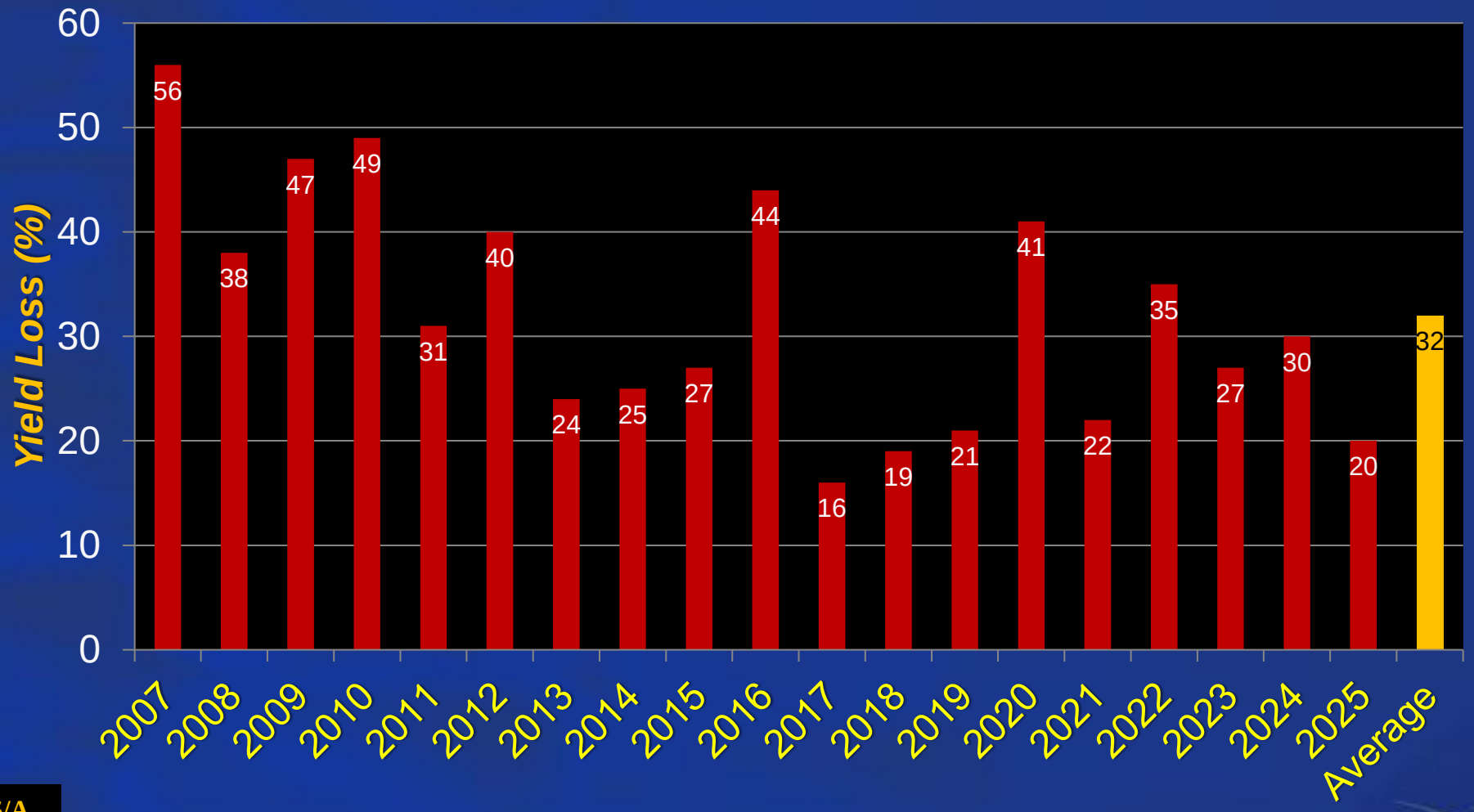
- AI Recommendations
- Weed Control Costs
- Ryegrass
- Halex GT vs Home-Made
- Enlist Corn
- V. Corn Control/Replant
- Boron???
- Cocklebur
- V. peanut
- Post-Harvest
- Problems

Beware of Google/AI Recommendations!



Field Corn Yield Loss (%) Caused by Uncontrolled Weeds in UGA Weed Science Irrigated Research Trials (2007-2025)

Treated vs. Non-treated



200 Bu/A X 0.32 X $4.14 = **$265/A**
250 Bu/A X 0.32 X $4.14 = **$331/A**
300 Bu/A X 0.32 X $4.14 = **$397/A**
What about harvest?
What about next year?

Ryegrass in Field Corn - 2025

- Glyphosate resistant???
  - *Assume it is?*
- Gramoxone – preplant
  - *2 apps*
- Accent Q or Steadfast Q
  - *Counter (INFR)?*
  - *Hybrid Tolerance?*
- Liberty
  - *Need warm temps*
- *Enlist Corn?*
  - *Assure II (quizalofop)*
    - *Hoelon (diclofop resistant population?)*

G. Harris
04/21/25
Turner Co.

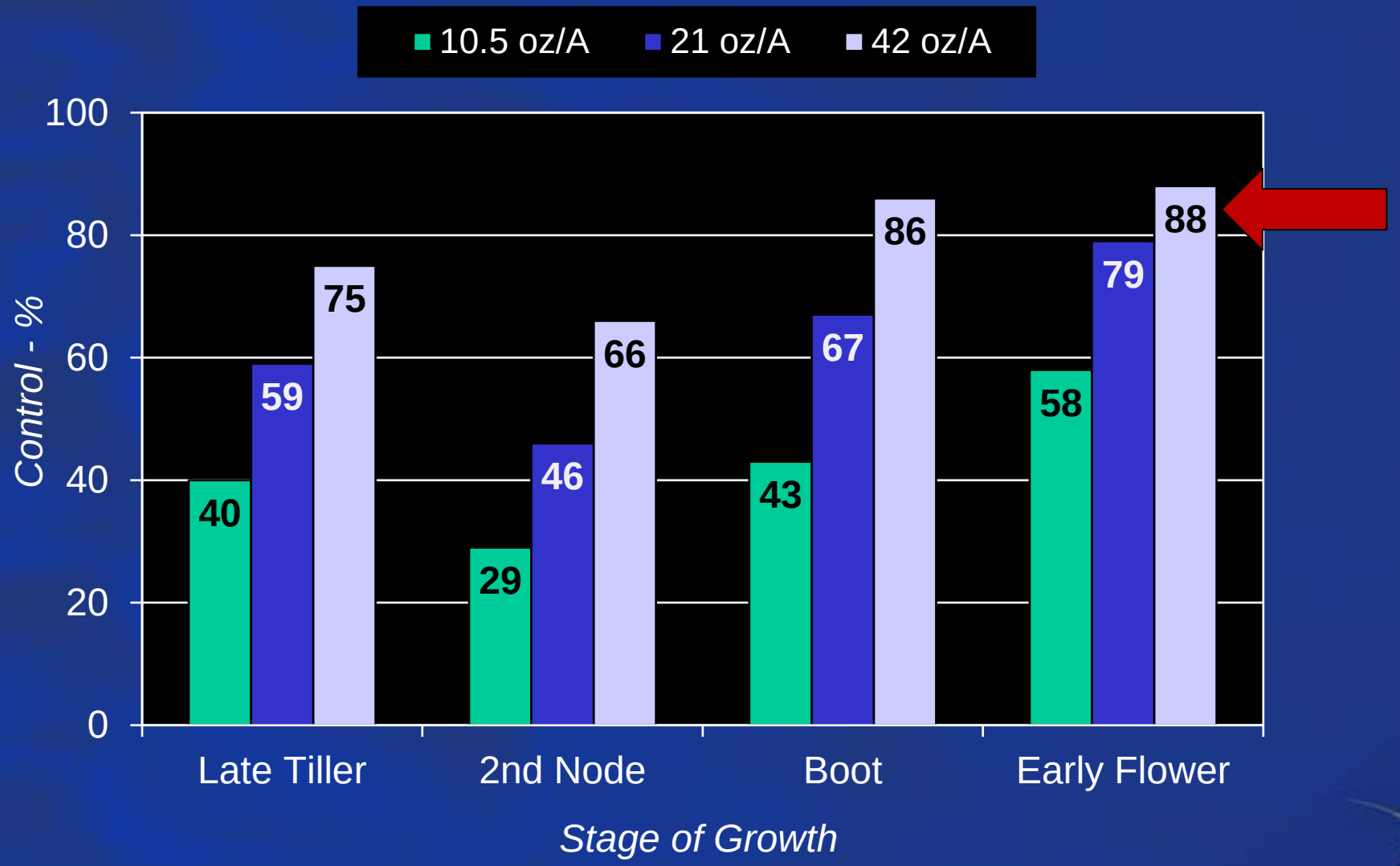
Ryegrass in Corn – 2025

Treated with Liberty @ 43 oz/A + AMS @ 2 lbs/A + Atrazine @ 32 oz/A + Zidua @ 2 oz/A

no burndown
wet weather
wind

C. Traugh
Seminole Co.
April 17, 2025
7 DAT

Annual Ryegrass Control (10-25 days after early flower application) with Roundup WeatherMax 5.5SL (*Averaged over 6 locations*)



Adapted from:Lins et al. 2007. Weed Technology 21:602-605

Brand Name Halex GT vs Home-Made Halex GT

- Brand Name Halex GT 4.389SC
  - $42/gal @ 58 oz/A = **$19.03/A**
    - 0.947 lbs ai/A *s*-metolachlor + 0.947 lbs ae/A glyphosate (K-salt) + 0.0947 bs ai/A mesotrione

- Home-Made Halex GT
  - Incinerate 4SC (mesotrione) = $165/gal @ 3 oz/A = ***$3.87/A***
  - CornerStone 5 Plus 5.5SL (glyphosate-IPA, 4 lb ae/gal) = $15/gal @ 30.3 oz/A = ***$3.55/A***
  - Charger Basic 7.62EC (*s*-metolachlor) = $40/gal @ 16 oz/A = ***$5.00/A***

- **$19.03/A vs. $12.42/A ($6.61/A savings)**

- But mesotrione labels say…….

> **Do not** apply Incinerate Herbicide postemergence in a tank mix with emulsifiable concentrate grass herbicides, unless specifically addressed under one of the tank mix sections of this label, or injury may occur.

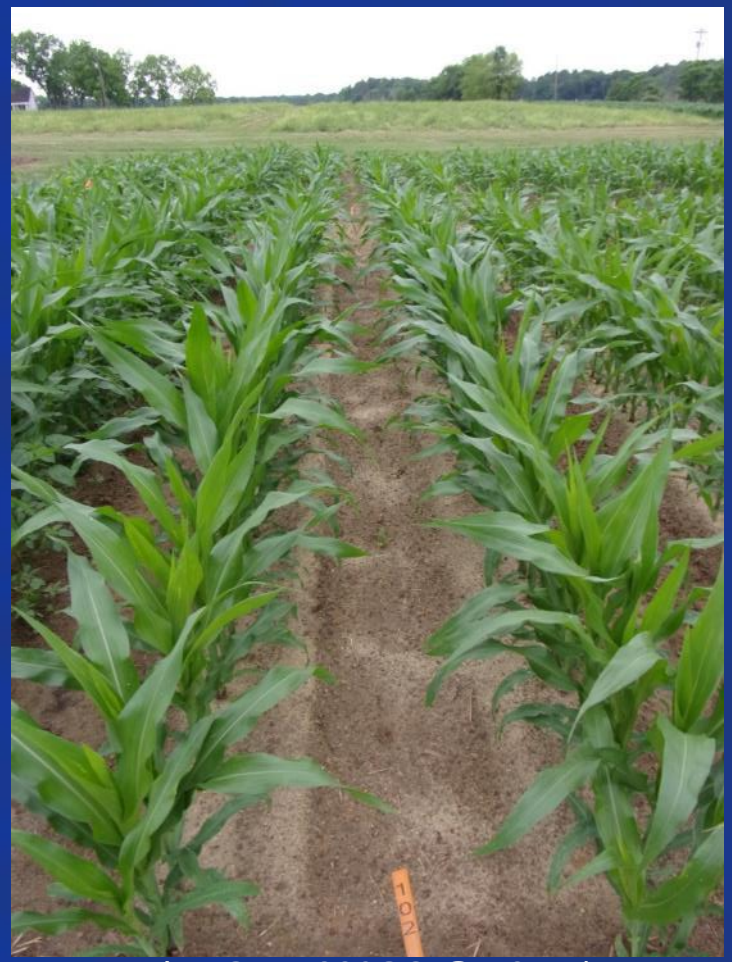
Home-Made Halex GT - 2025

- Roundup
- Dual Magnum
- Generic Callisto
- Is this potential injury worth $6.61/A??
- Who will pay for new innovations/discovery?

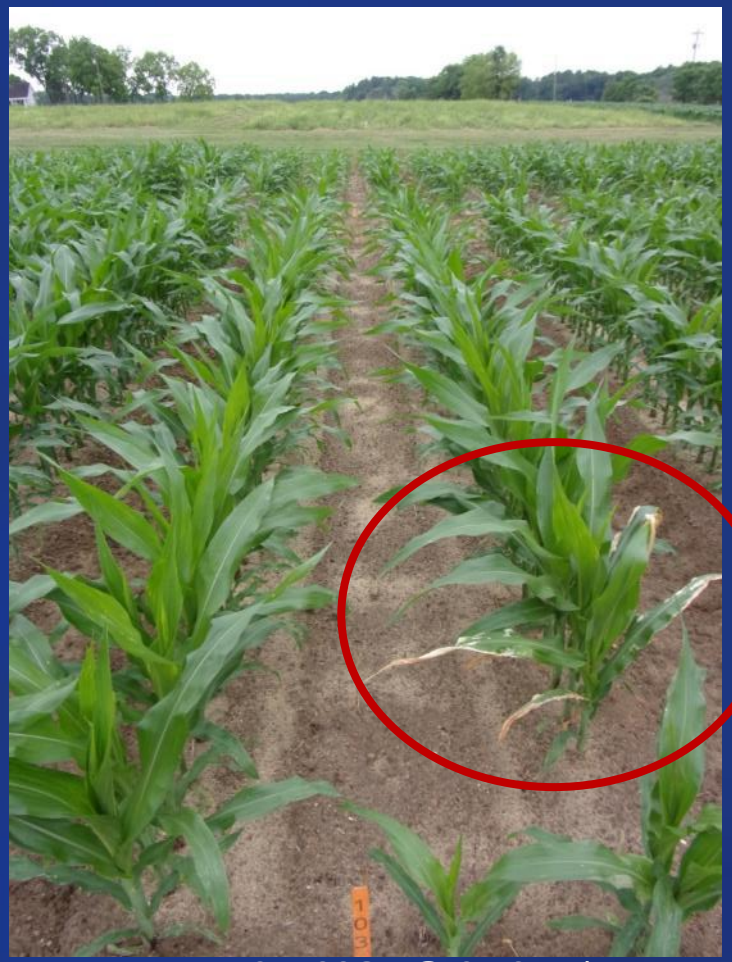
J. Cook/M. Grizzle
May 9, 2025

Field Corn Weed Control – 2025
Halex GT (Applied 16 DAP, V3-4, P2042VYHR)

NTC



Halex GT 4.389SC @ 58 oz/A
Aatrex 4L @ 64 oz/A
Induce @ 0.25% v/v



RUPM3 5.88SL @ 25.3 oz/A
Callisto 4SC @ 3 oz/A
Dual Magnum 7.62EC @ 16 oz/A
Aatrex 4L @ 64 oz/A
Induce @ 0.25% v/v

CN-07-25
May 7
34 DAP

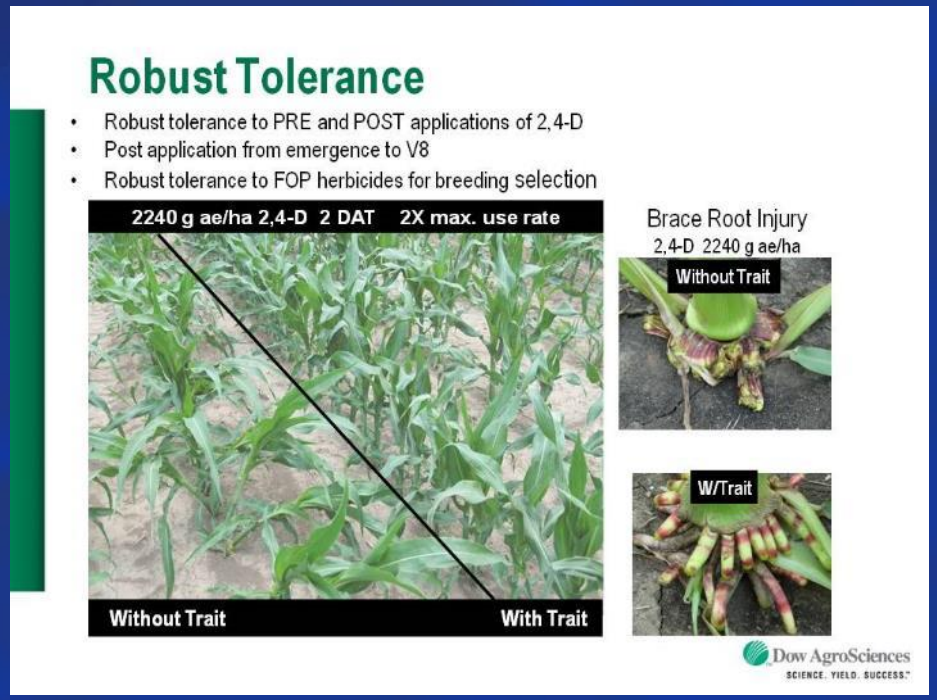
Field Corn Weed Control - 2025

NTC

Halex GT 4.389SC @ 58 oz/A
Aatrex 4L @ 64 oz/A
Induce @ 0.25% v/v
Applied 16 DAP

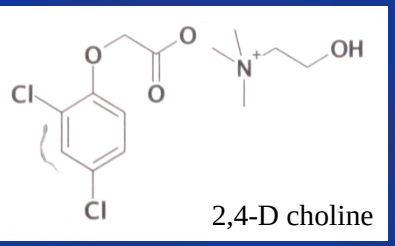
CN-07-25
August 19
138 DAP

Enlist™ Herbicide Tolerant Corn



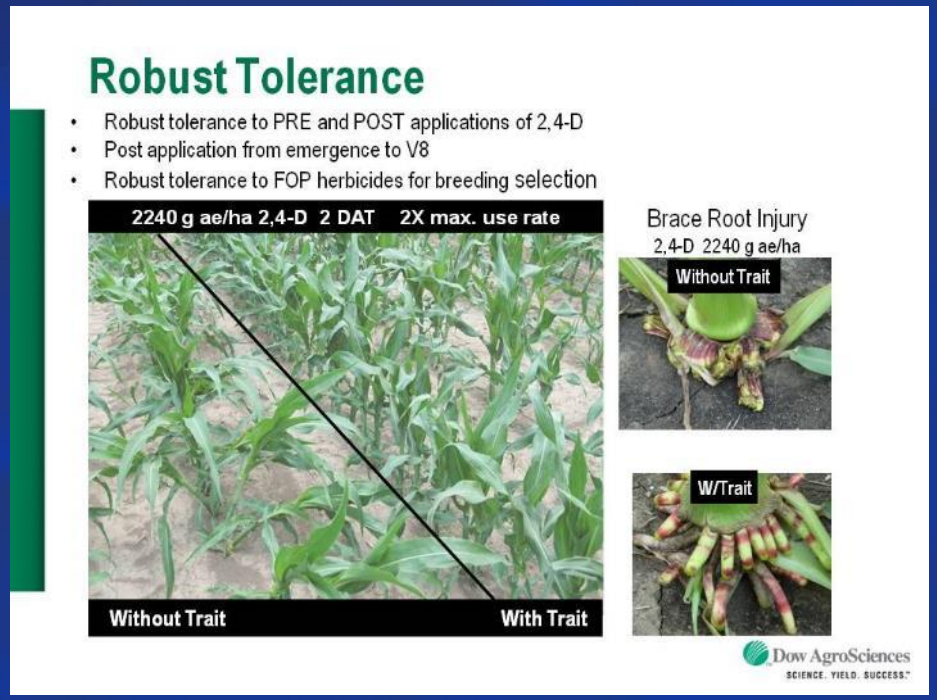
- tolerance to 2,4-D, quizalofop, glyphosate, glufosinate
  - *Trait – 2014*
  - *Enlist Duo® - 2014*
  - *Enlist One® - 2017*
- Colex-D™ technology
  - *2,4-D choline*
  - *lower volatility (than ester)*
  - *enhanced handling/mixing characteristics*
  - *reduced odor*
- 1 PRE application + 2 POST applications (30” or V8 stage, 12 days apart)
- Enlist Duo®
  - *DMA-Glyphosate (1.71 lb ae/gal) + 2,4-D choline (1.63 lb ae/gal)*
  - *3.5 pt/A*
- Enlist One®
  - *2,4-D choline (3.8 lb ae/gal)*
  - *1.5-2.0 pts/A*

Enlist™ Weed Control System

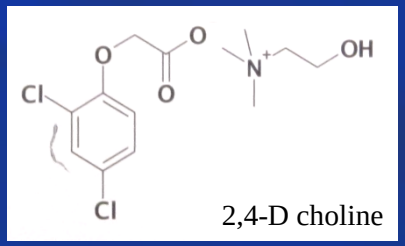


2,4-D choline

Enlist™ Herbicide Tolerant Corn Programs



Enlist
Weed Control System ™

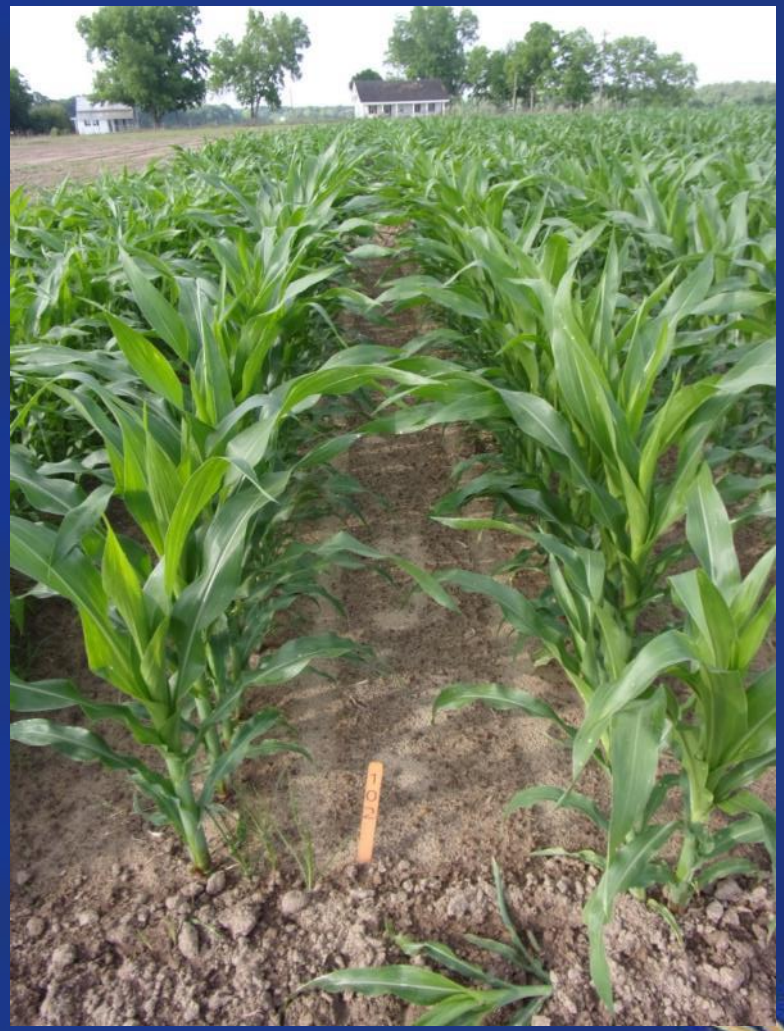


2,4-D choline

- *Program #1*
  - *1) Atrazine – PRE followed by*
  - *2) Liberty + Enlist One + One of the following (Anthem Maxx, Dual Magnum, Enversa, Outlook, Prowl, Warrant, Zidua) - POST*
- *Program #2*
  - *1) One of the following PRE (Dual Magnum, Enversa, Outlook, Warrant) followed by*
  - *2) Liberty + Enlist One + Atrazine - POST*

Enlist Field Corn Weed Control - 2025

NTC



Liberty Ultra 1.76SL@ 24 oz/A
Enlist One 3.8SL @ 32 oz/A
Aatrex 4L @ 32 oz/A
Applied 14 DAP (V3-V4)

CN-04-25
May 8
29 DAT

Enlist™ Field Corn Weed Control - 2025

NTC

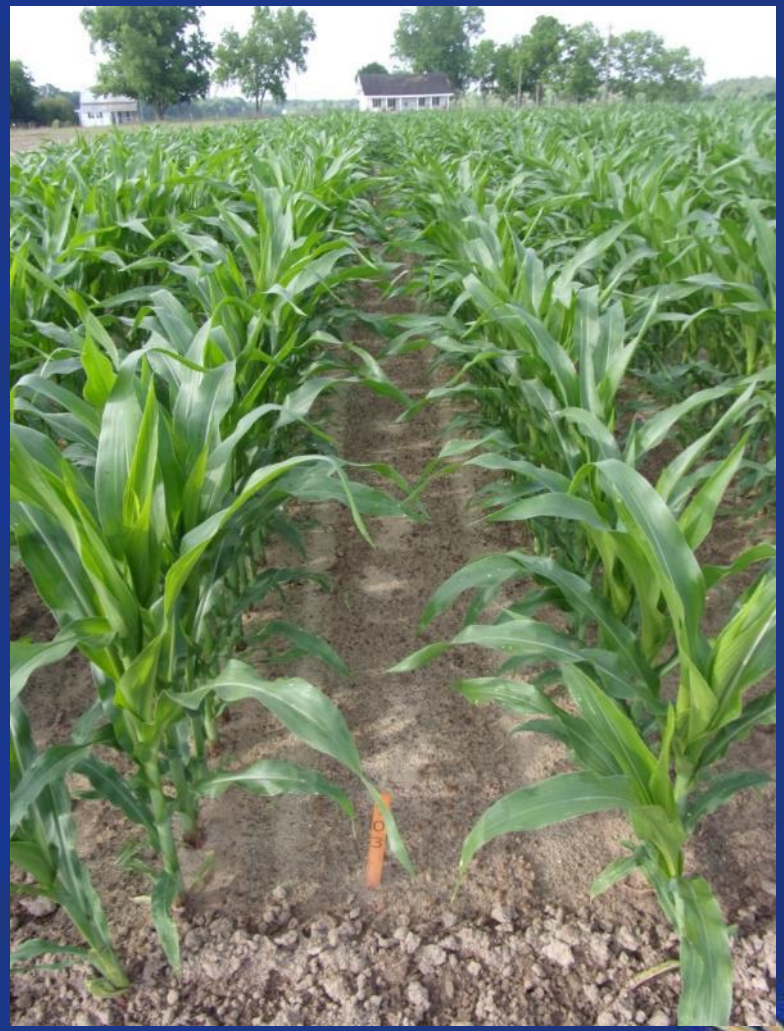
Liberty Ultra 1.76SL @ 24 oz/A
Enlist One 3.8SL @ 32 oz/A
Dual Magnum 7.62EC @ 16 oz/A
Applied 14 DAP (V3-V4)

Liberty Ultra 1.76SL @ 24 oz/A
Enlist One 3.8SL @ 32 oz/A
Outlook 6EC @ 12.8 oz/A
Applied 14 DAP (V3-V4)

CN-04-25
May 8
29 DAT

Enlist Field Corn Weed Control - 2025

NTC



Liberty Ultra 1.76SL@ 24 oz/A
Enlist One 3.8SL @ 32 oz/A
Prowl H_2O 3.8SC @ 32 oz/A
Applied 14 DAP (V3-V4)

CN-04-25
May 8
29 DAT

Enlist Field Corn Weed Control - 2025

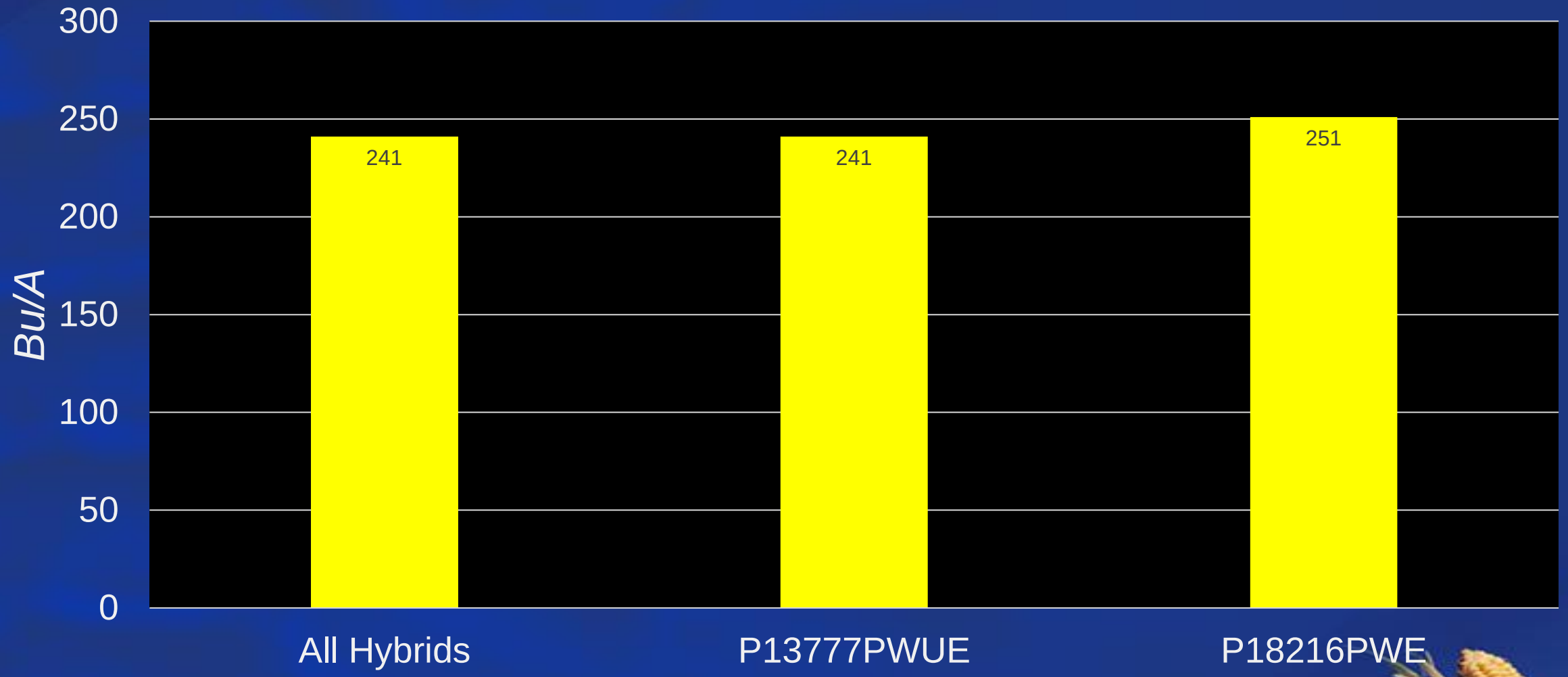
NTC

Liberty Ultra 1.76SL @ 24 oz/A
Enlist One 3.8SL @ 32 oz/A
Anthem Maxx 4.3SC @ 3 oz/A
Applied 14 DAP (V3-V4)

CN-04-25
July 30
112 DAT

Enlist Field Corn Hybrids for Georgia – 2025

Averaged Over 22 Locations



Source: K. Phillips, Pioneer

Enlist One/ESA/Runoff Mitigation (4-6 credits)

Management of Runoff

A variety of factors including soil type, slope, and weather conditions (e.g., rainfall) can influence volume and intensity of water running off the treated field. The applicator must evaluate all factors and make appropriate adjustments when applying this product. Land management, field condition and application practices that reduce, to the maximum extent practicable, runoff from treated fields, must be implemented by land managers/users of this product.

To reduce the potential for runoff and avoid off field impact from treated fields to maximum extent practicable, applicator must plan/schedule applications to maximize time between an application of this product and anticipated rainfall (or planned irrigation). Application must take place no less than 48 hours prior to irrigation or predicted rainfall (by NOAA/ National Weather Service, or other similar forecasting service).

For land with **Hydrologic Soil Groups* A & B**: The land manager/ applicator must effectively implement measures in the following tables to equal a **minimum of 4 credits**.

For land with **Hydrologic Soil Groups* C & D**: The land manager/ applicator must effectively implement the measures in the following tables to equal a **minimum of 6 credits**.

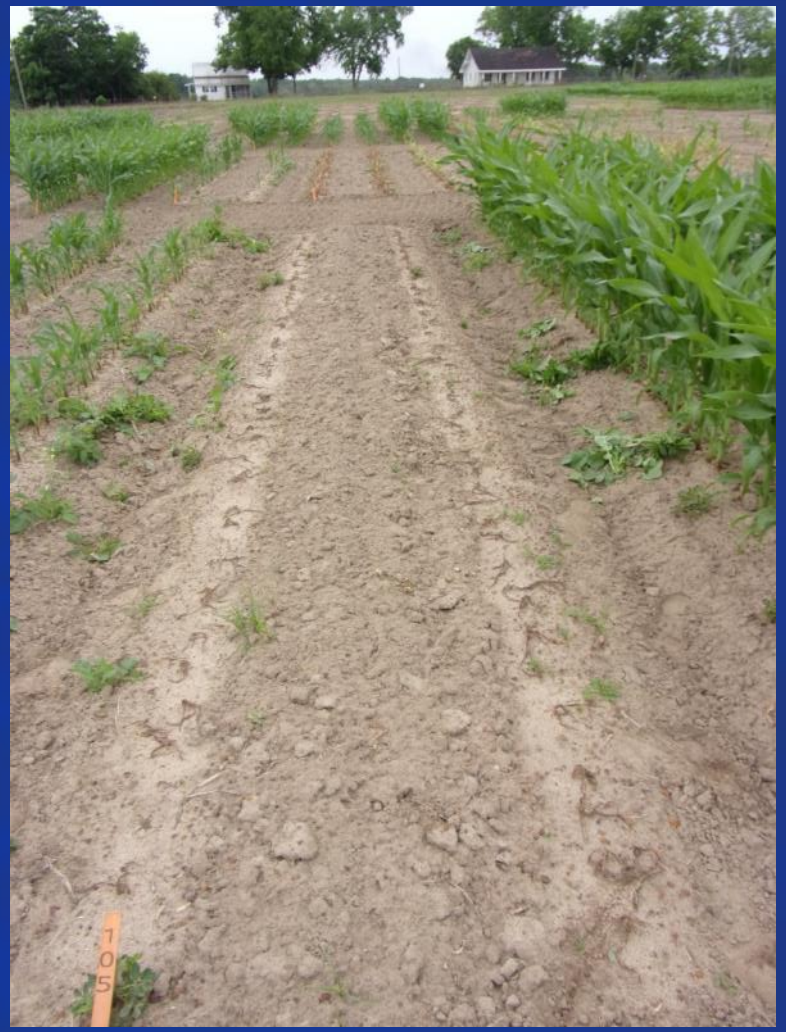
Mitigation Measures			**Credits**
Reduce number of applications - Reduced number of applications of Enlist products per year. Applications may be made at any time during crop development but must maintain a minimum 12-day retreatment interval.		3 applications	0
		2 applications	2
		1 application	4
Residue Tillage Management: no-till, strip-till, ridge-till, and mulch-till			1
Vegetative Filter Strips	30 ft off-field vegetative buffer on down slope	HSG A or B	2
		HSG C or D	0
	100 ft off-field vegetative buffer on down slope	HSG A or B	4
		HSG C or D	1
Field border: border with dense vegetative stands with a minimum width of 30 ft.			2
Cover Crop			2
Vegetative Barrier: Permanent strips of dense vegetation along the contours of the field with a minimum width of 3 ft.			2
Contour Buffer Strips or Terrace			2
Grassed Waterway			2
Water and Sediment Basin			1
Contour Farming or Contour Strip Cropping			1

*Hydrologic Soil Group (HSG) definitions: A = Sand, loamy sand, or sandy loam; B = Sandy clay loam; C = Silt loam or loam; D = Clay loam, silty clay loam, sandy clay, silty clay or clay.

Volunteer Corn/Replant?

Field Corn Control with Select Max 0.97EC @ 6 oz/A + Induce @ 0.25% v/v

NTC

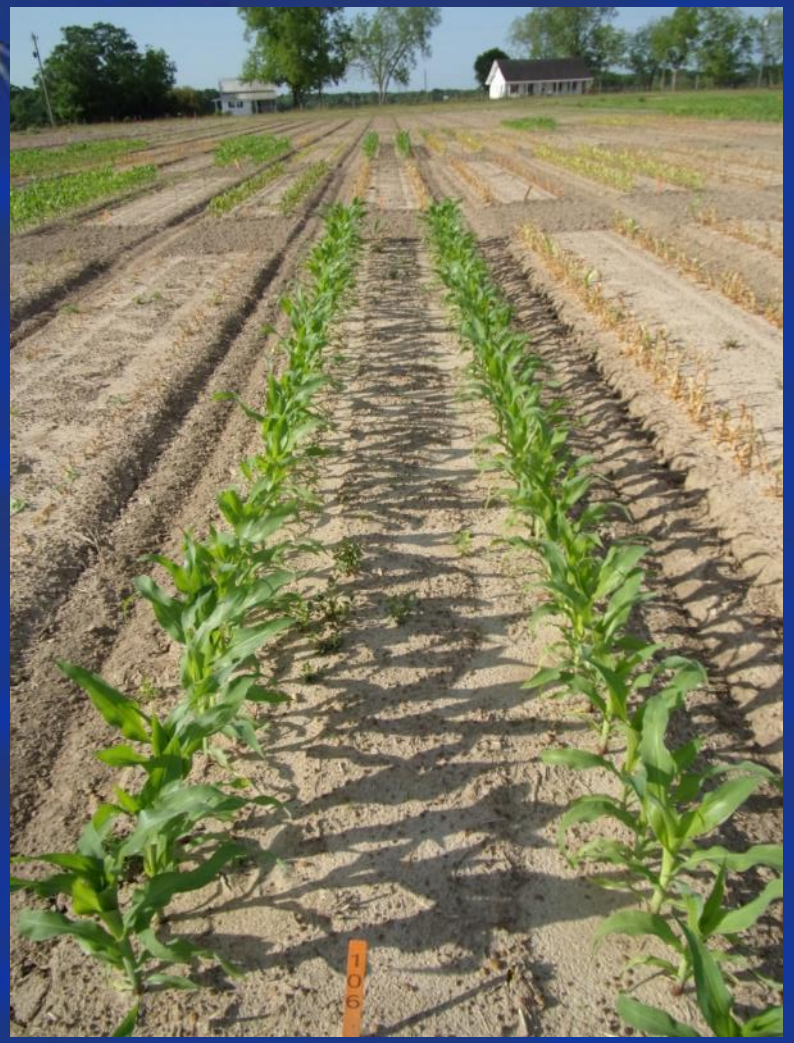


Applied V3-V4
28 DAT

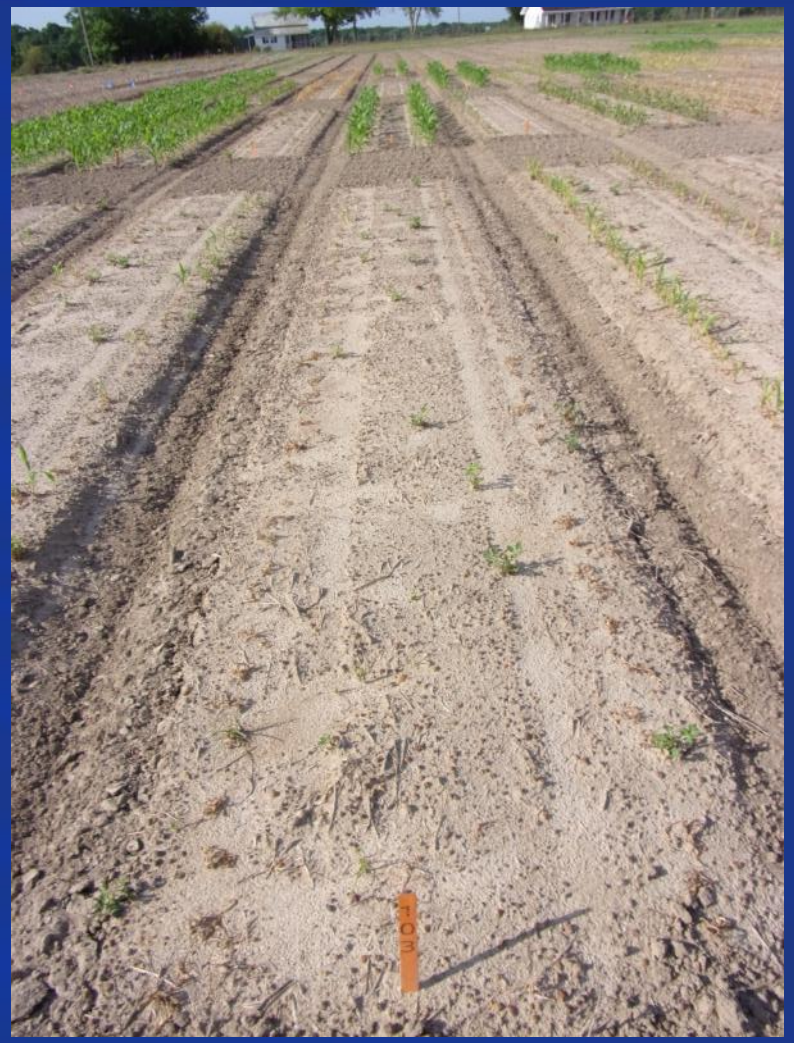
Applied V5-V6
18 DAT

CN-01-25
May 7
42 DAP

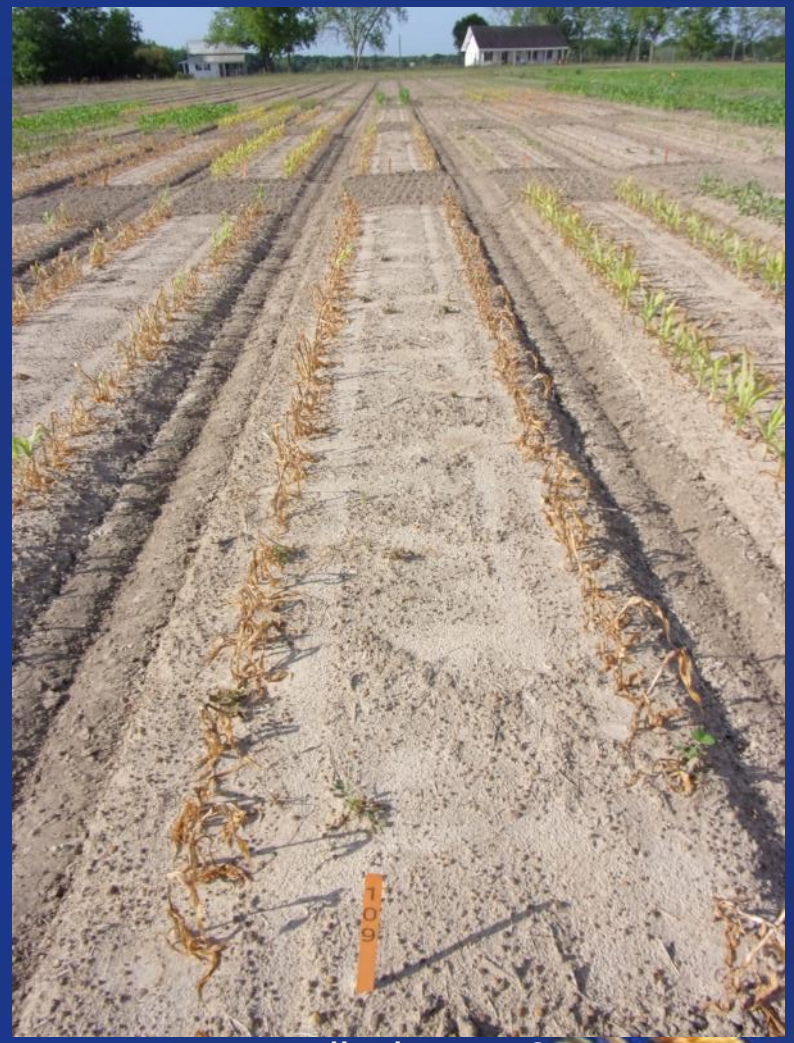
Field Corn Control with Gramoxone 3SL @ 32 oz/A + Tricor 4F @ 4 oz/A + Induce @ 0.25% v/v



NTC



Applied V3-V4
17 DAT



Applied V5-V6
7 DAT

CN-01-25
April 26
31 DAP

Boron?

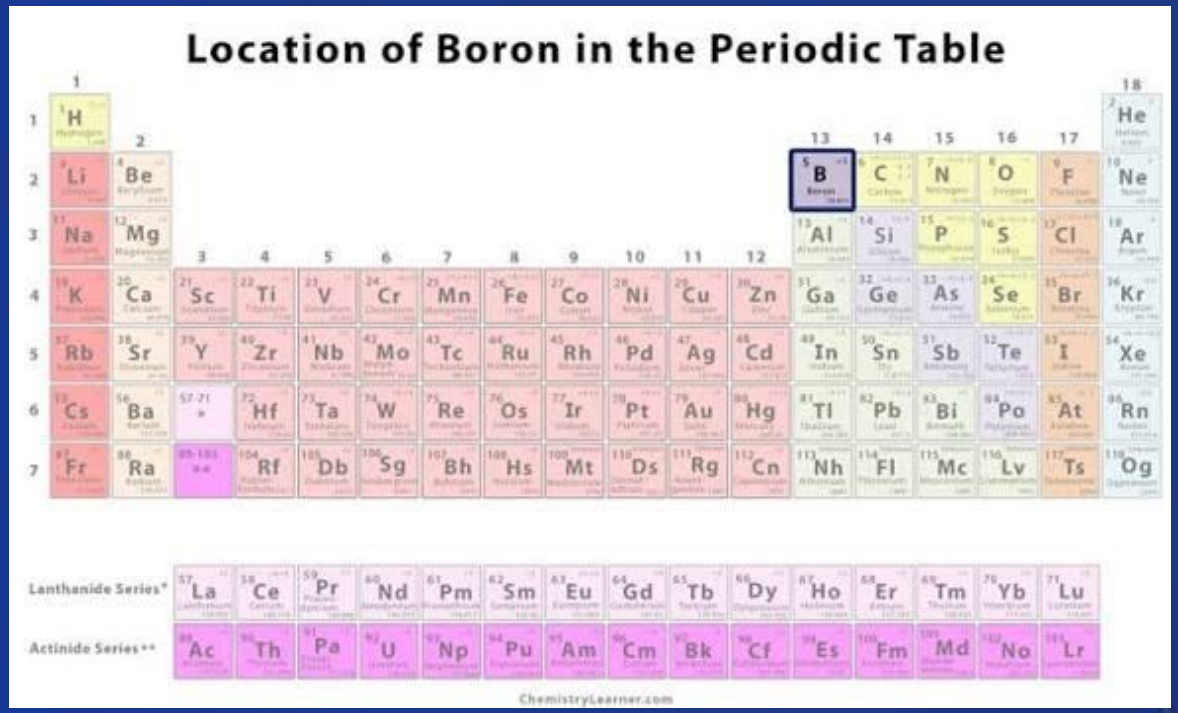
LIQUID BORON 10%

GUARANTEED ANALYSIS

Boron (B) 10.0%

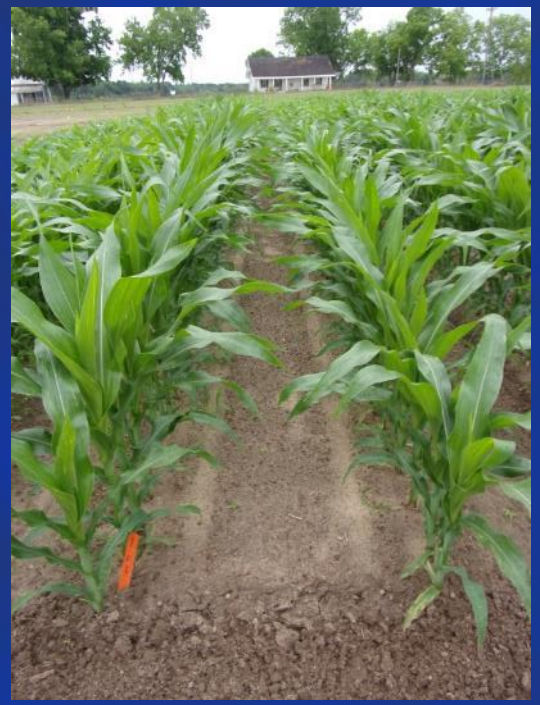
Derived from: Boric acid

KEEP OUT OF REACH OF CHILDREN



Roundup + Atrazine + Zidua + Boron - 2025

NTC



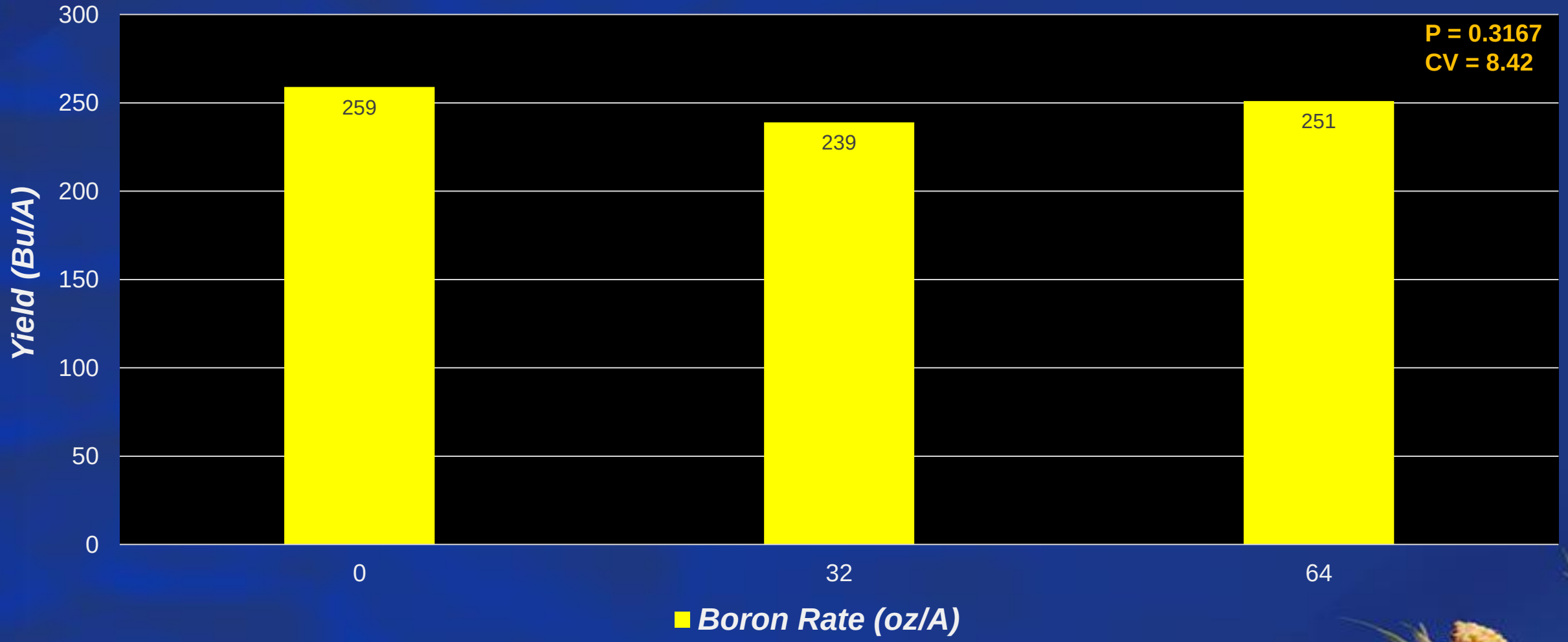
Roundup PowerMax3 5.88SL @ 27 oz/A
Aatrex 4L @ 64 oz/A
Zidua 4.17SC @ 2.5 oz/A

Roundup PowerMax3 5.88SL @ 27 oz/A
Aatrex 4L @ 64 oz/A
Zidua 4.17SC @ 2.5 oz/A
10% Liquid Boron @ 32 oz/A

Roundup PowerMax3 5.88SL @ 27 oz/A
Aatrex 4L @ 64 oz/A
Zidua 4.17SC @ 2.5 oz/A
10% Liquid Boron @ 64 oz/A

CN-08-25
May 7
28 DAT

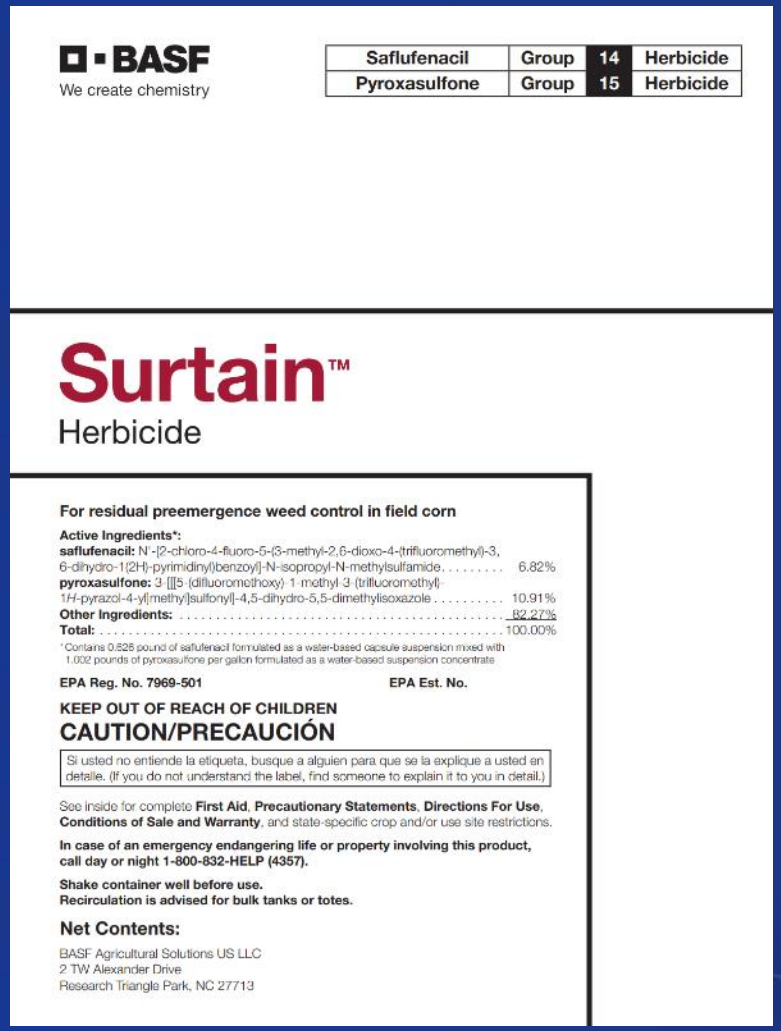
Roundup PowerMax3 5.88SL @ 27 oz/A + Aatrex 4L @ 64 oz/A + Zidua 4.17SC @ 2.5 oz/A ± 10% Liquid Boron @ 32 oz/A or 64 oz/A



CN-08-25
Pioneer P13777PWUE
Applied 14 DAP (V3-V4)

Surtain Herbicide

- Surtain 1.628SC
  - *saflufenacil (Sharpen) – 0.626 lbs/gal*
  - *pyroxaslfone (Zidua) – 1.002 lbs/gal*
- solid encapsulated herbicide technology
- 11 oz/A
- PRE-V3
- residual control only
- Have not been a huge fan of pyroxasulfone applied PRE?
  - *injury*



BASF
We create chemistry

Saflufenacil	Group	14	Herbicide
Pyroxasulfone	Group	15	Herbicide

Surtain™
Herbicide

For residual preemergence weed control in field corn

Active Ingredients*:
saflufenacil: N'-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-3,6-dihydro-1(2H)-pyrimidinyl)benzoyl]-N-isopropyl-N-methylsulfamide 6.82%
pyroxasulfone: 3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)-1*H*-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole 10.91%
Other Ingredients: 82.27%
Total: 100.00%

*Contains 0.626 pound of saflufenacil formulated as a water-based capsule suspension mixed with 1.002 pounds of pyroxasulfone per gallon formulated as a water-based suspension concentrate

EPA Reg. No. 7969-501 **EPA Est. No.**

KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside for complete **First Aid**, **Precautionary Statements**, **Directions For Use**, **Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

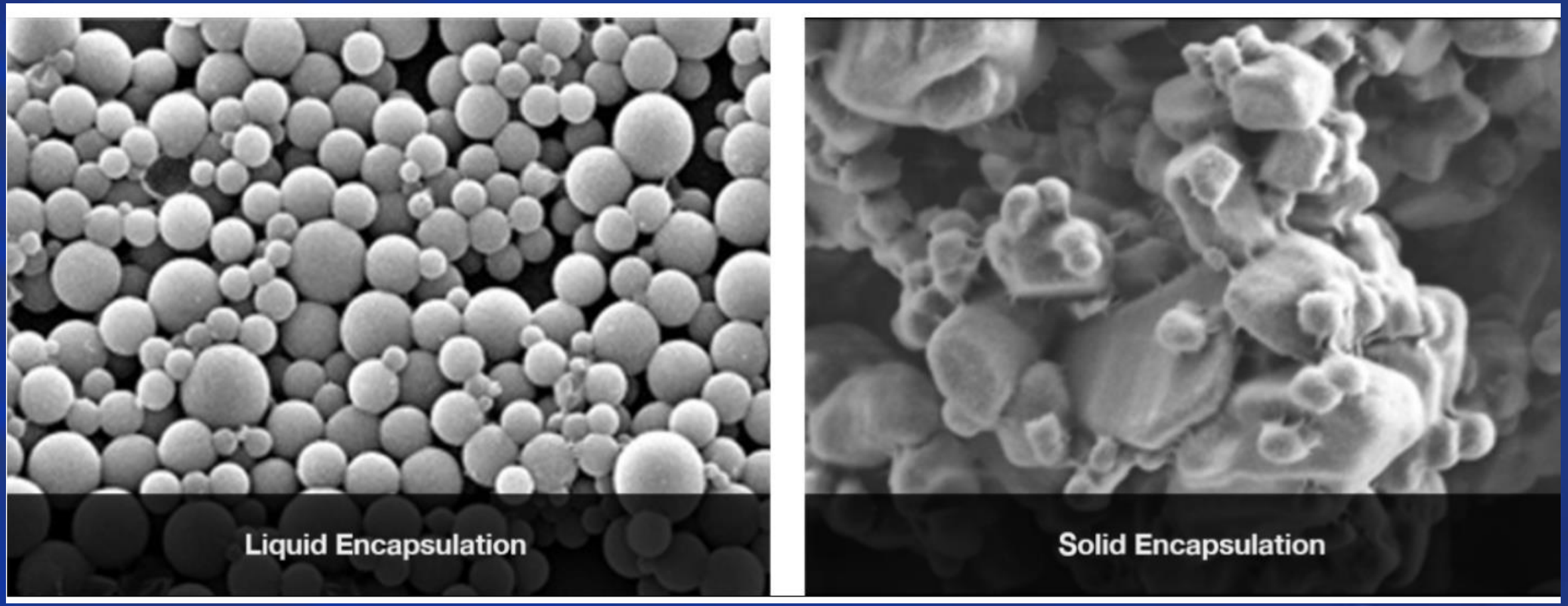
In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Shake container well before use.
Recirculation is advised for bulk tanks or totes.

Net Contents:

BASF Agricultural Solutions US LLC
2 TW Alexander Drive
Research Triangle Park, NC 27713

Surtain (saflufenacil + pyroxasulfone) Encapsulation



Surtain

Source: BASF

Field Corn Weed Control - 2025

NTC

Roundup PowerMax3 5.88SL @ 30 oz/A
Surtain 1.628SC @ 11 oz/A
Aatrex 4L @ 32 oz/A
Induce @ 0.25% v/v
AMSOL @ 2.5% v/v
Applied 14 DAP

CN-06-25
August 19
138 DAP

Cocklebur in Field Corn

PRE: Acuron, Atrazine, Corvus, Resicore, Sharpen

POST: Armezon, Atrazine, Basagran, Callisto, Capreno, Clarity, Enlist One, Halex GT, Impact, Laudis, Liberty, Revulin Q, Roundup, Sandea, Status

*2 seeds/bur
*now/later
*can emerge from 6”

Peanut Control?

Peanuts: V4-5; 2-3” tall;4-5” wide

NTC

Liberty Ultra 1.76SL @ 24 oz/A

Laudis 3.5SC @ 3 oz/A
Aatrex 4L @ 64 oz/A
Agridex @ 1% v/v
AMSOL @ 2.5% v/v

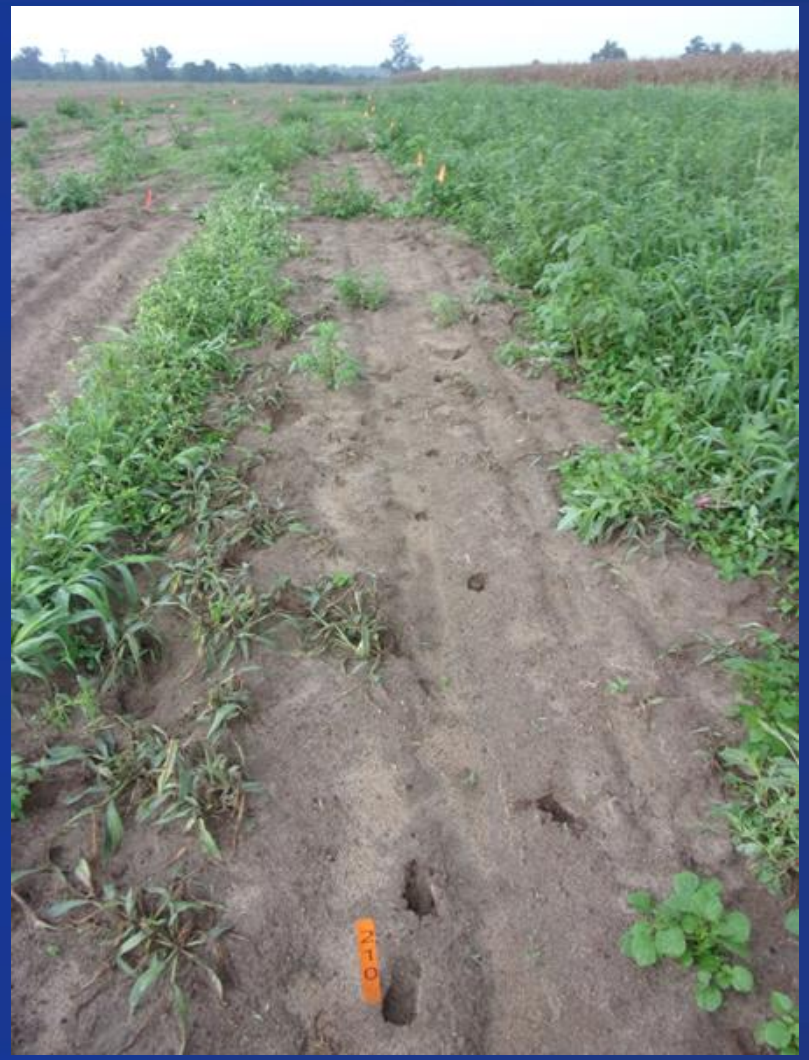
Roundup PowerMax3 5.5SL @ 30 oz/A
Laudis 3.5SC @ 3 oz/A
Aatrex 4L @ 64 oz/A
AMSOL @ 2.5% v/v

PE-13-25
June 3
20 DAT

BD/TSW Control in Field Corn

- Residuals
  - Dual Magnum, Outlook, Warrant, Zidua, Anthem Maxx
- POST
  - 2,4-D (crop injury issues unless Enlist hybrid)
  - Basagran
  - Halex GT/Callisto
- Lay-By/Hood
  - Aim
  - Evik
  - Gramoxone
- Post-Harvest
  - Gramoxone, 2,4-D

Benghal Dayflower/Tropical Spiderwort – HPPD's



Callisto 4SC @ 3 oz/A
Agridex @ 1% v/v

TSW-01-22
August 17
22 DAT

BD/TS Control in Field Corn

Untreated

Gramoxone Max 3SC @ 16 oz/A
Dual Magnum 7.62EC @ 1.33 pt/A
Herbimax @ 1% v/v
Lay-By

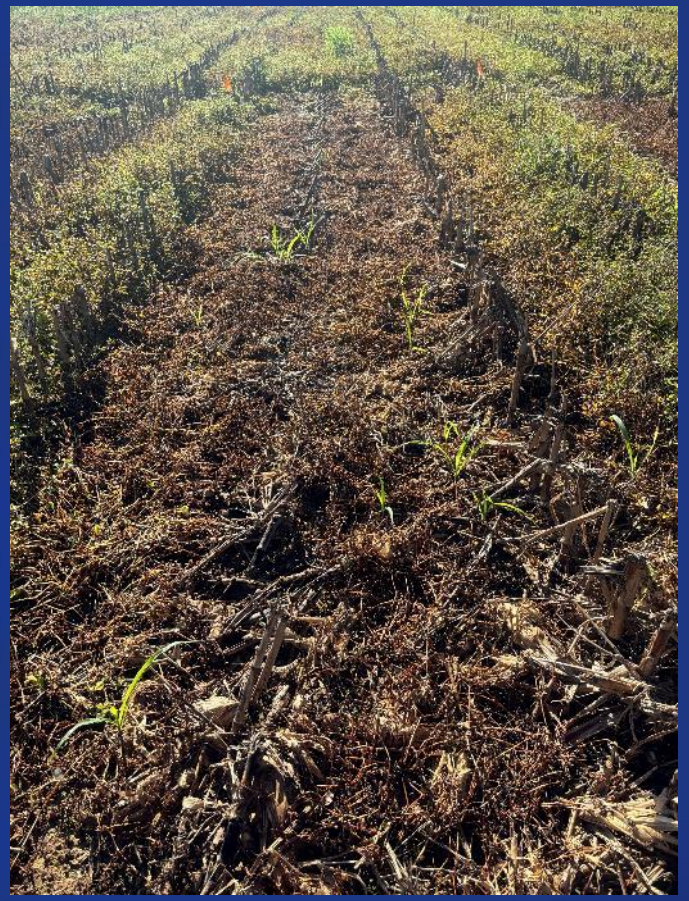
CN-09-05
12 DAT

Post-Harvest Tropical Spiderwort Control – 2024

COMBE: 12-16” tall; flowering; POST1 = 09/10/24; POST2= 09/17/24

NTC

Gramoxone 3SL @ 32 oz/A
Induce @ 0.25% v/v
POST1 + POST2



Roundup P-MAX3 5.88 SL @ 32 oz/A
Enlist One 3.8SL @ 24 oz/A
POST1 + POST2

PH-01A-24
October 2
15 DAT (POST2)

Post-Harvest

Post-Harvest Weed Control - 2021

Gramoxone 2L @ 3 pts/A + Tricor 4L @ 8 oz/A + NIS @ 0.25% v/v

09/24/21
Day of Application

10/22/21
28 Days After Treatment
(strips left on purpose as checks)

Special Problems

Imazapyr/Triclopyr Contamination – Drone Application

Triclopyr = 0.01 mg/kg
Imazapyr = 3.8 µg/kg

Jay, FL
April/May 2025

Name Recognition?
Counter INFR

GROUP 27 HERBICIDE

HELM

ARGOS

HERBICIDE

For Control of Annual Broadleaf Weeds in Field Corn, Seed Corn, Yellow Popcorn, Sweet Corn, and Other Listed Crops.

Active Ingredient:	
Mesotrione	40.0%
Other Ingredients:	60.0%
TOTAL	100.0%

* Contains 4 lbs. of mesotrione active ingredient per gallon.

EPA Reg. No. 74530-71 EPA Est No. 39578-TX-001

KEEP OUT OF REACH OF CHILDREN

CAUTION

See label booklet for First Aid, Precautionary Statements and Directions for Use including Storage and Disposal

Net Contents: 1 Gallon

Manufactured by:

BAYER

LAUDIS®

Herbicide

Net Contents:

1 Gallon

GROUP 27 HERBICIDE

A **Herbicide for** control of annual broadleaf and grass weeds in field and silage corn, seed corn, sweet corn, and popcorn and for postharvest burndown weed control.

ACTIVE INGREDIENT: Tembotrione:
2-[2-chloro-4-(methylsulfonyl)-3-[(2,2,2-trifluoroethoxy) methyl]benzoyl]-1,3-cyclohexanedione * 34.5%
OTHER INGREDIENTS: 65.5%
TOTAL: 100.0%

Contains 3.5 lb of active ingredient per gallon
* (CAS Number 335104-84-2)

EPA Reg No. 264-860

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

Please refer to booklet for additional precautionary statements and directions for use.

Produced for
Bayer CropScience LP
800 N. Lindbergh Blvd.
St. Louis, MO 63167

US61381463E 180921E 04/21

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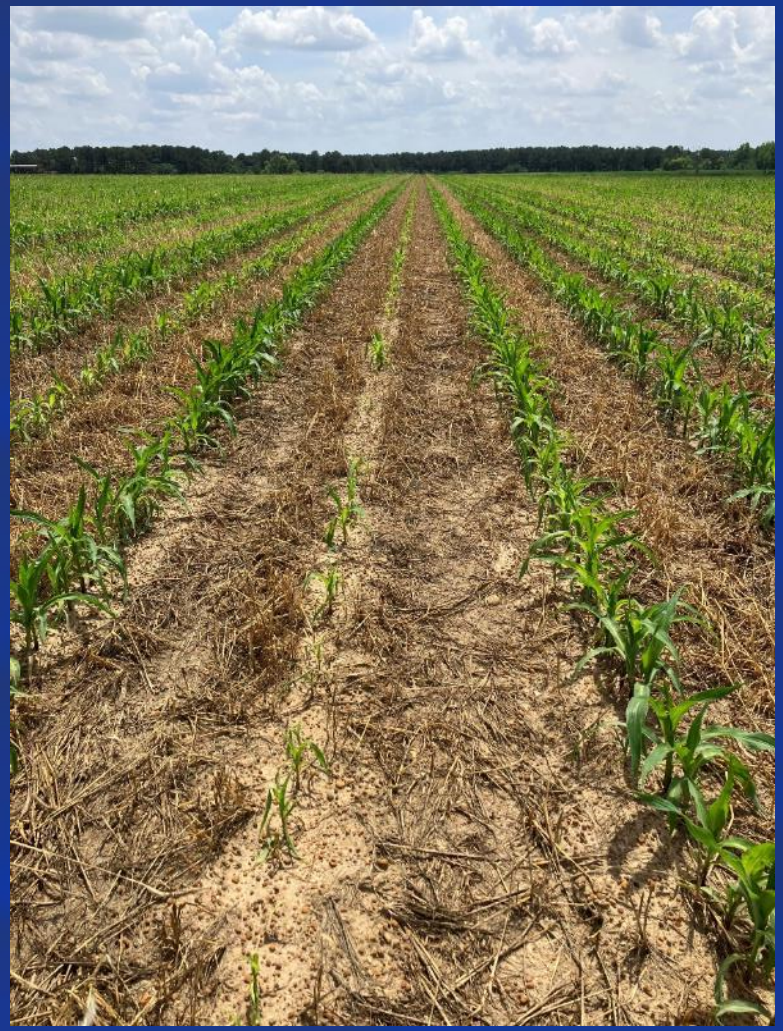
Reflex (fomesafen) Carryover on Field Corn



ROTATIONAL CROP RESTRICTIONS

The following rotational crops may be planted after applying Reflex Herbicide at directed rates:

Rotational Crops	Planting Time From Last Reflex Herbicide Application
Bean, Dry Bean, Snap Cotton Potato Soybean Soybean, Succulent (edamame)	0 months
Bean, Lima Pea, Succulent Peanut Small Grains including Wheat, Barley, Rye	4 months
Corn, Field Corn, Seed Corn, Sweet[5] Pepper (transplanted)[1] Popcorn[4] Pumpkin[2] Rice Tomato (transplanted)[1] Watermelon[2]	10 months
Bean, Succulent (other than edamame, snap bean and lima bean) Cantaloupe[2] Cucumber[2] Edible-podded beans and peas not otherwise specified in this table Eggplant Pea, Dry Pepper, (direct-seeded) Squash[2] Sweet Potato Tomato (direct-seeded)	12 months
Sorghum[3]	18 months
All other crops not listed above	18 months

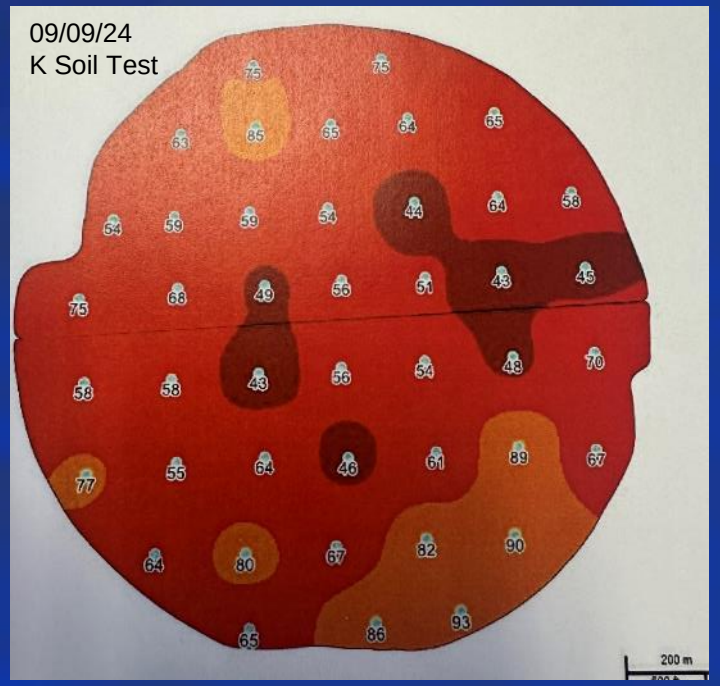
[1] 4 months in Region 1
[2] 8 months in Region 1
[3] 10 months in Region 1
[4] 12 months in the states of Ohio, Kentucky, Illinois, Indiana, Iowa, and Regions 4 and 4a when applied at rates of 1 pint per acre or more
[5] 18 months in the states of Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Vermont and Region 5

Restriction: DO NOT graze rotated small grain crops for harvest forage or straw for livestock.

J. Bennett
May 1, 2025

Field Corn/Potash – 2025

Integra 6410



Riden Soil & Fertility
343 Pleasant Grove Church Rd.
Poulan, GA 31781
Phone: 229-776-5392

Soil Analysis Report

Riden Soil & Fertility

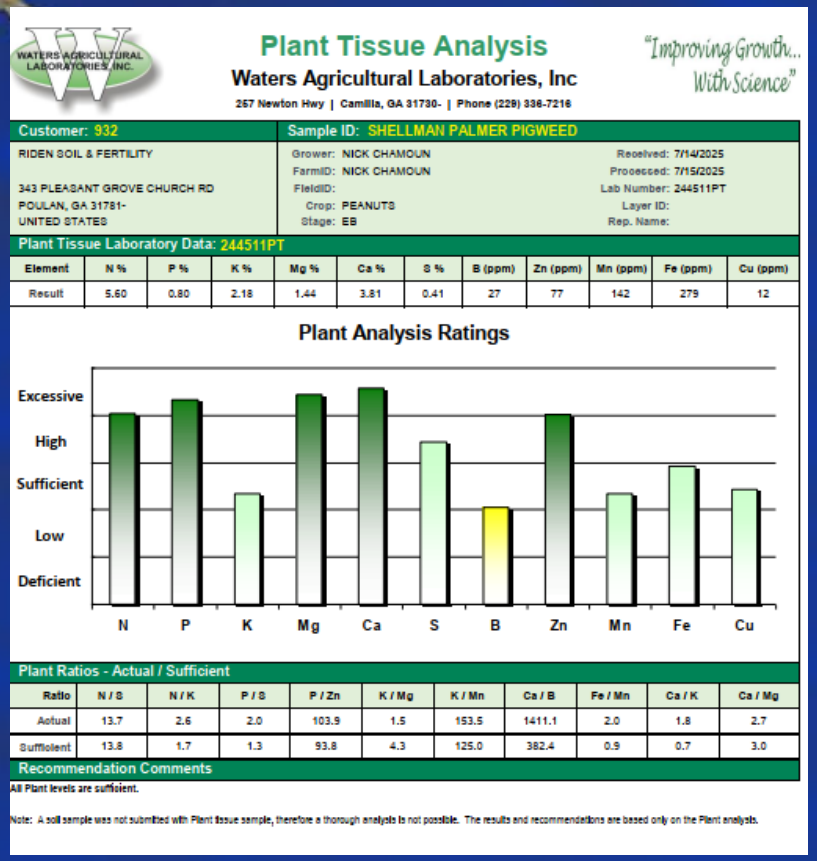
Jun 30, 2025 11:07 AM
1 of 1

SAMPLE DATE	BARCODE	FIELD #	PHOSPHORUS (lbs/a)	POTASSIUM (lbs/a)	MAGNESIUM (lbs/a)	CALCIUM (lbs/a)	ZINC (lbs/a)	MANGANESE (lbs/a)	COPPER (lbs/a)	WATER pH	BUFFER pH	LIME RECOMMEND (tns/a)
06/27/2025		JACKSON/BAD/1	135	27	96	1212	16.8	33	6.1	6.3		0.00
06/27/2025		JACKSON/GOOD/1	147	47	145	1304	16.4	29	5.6	6.4		0.00
06/27/2025		JACKSON/BAD/2	127	27	85	1182	15.9	33	5.8	6.3		0.00
06/27/2025		JACKSON/GOOD/2	144	34	70	1223	17.4	36	6.9	6.0		0.50

Pigweed Symptoms

Source: S. McAllister

Pigweed Tissue Tests



Plant Tissue Analysis
Waters Agricultural Laboratories, Inc
257 Newton Hwy | Camilla, GA 31730- | Phone (229) 336-7216
"Improving Growth... With Science"

Customer: 932 — **Sample ID:** SHELLMAN PALMER PIGWEED

RIDEN SOIL & FERTILITY
343 PLEASANT GROVE CHURCH RD
POULAN, GA 31781-
UNITED STATES

Grower: NICK CHAMOUN
FarmID: NICK CHAMOUN
FieldID:
Crop: PEANUTS
Stage: EB
Received: 7/14/2025
Processed: 7/15/2025
Lab Number: 244511PT
Layer ID:
Rep. Name:

Plant Tissue Laboratory Data: 244511PT

Element	N %	P %	K %	Mg %	Ca %	S %	B (ppm)	Zn (ppm)	Mn (ppm)	Fe (ppm)	Cu (ppm)
Result	5.60	0.80	2.18	1.44	3.81	0.41	27	77	142	279	12

Plant Analysis Ratings

Plant Ratios - Actual / Sufficient

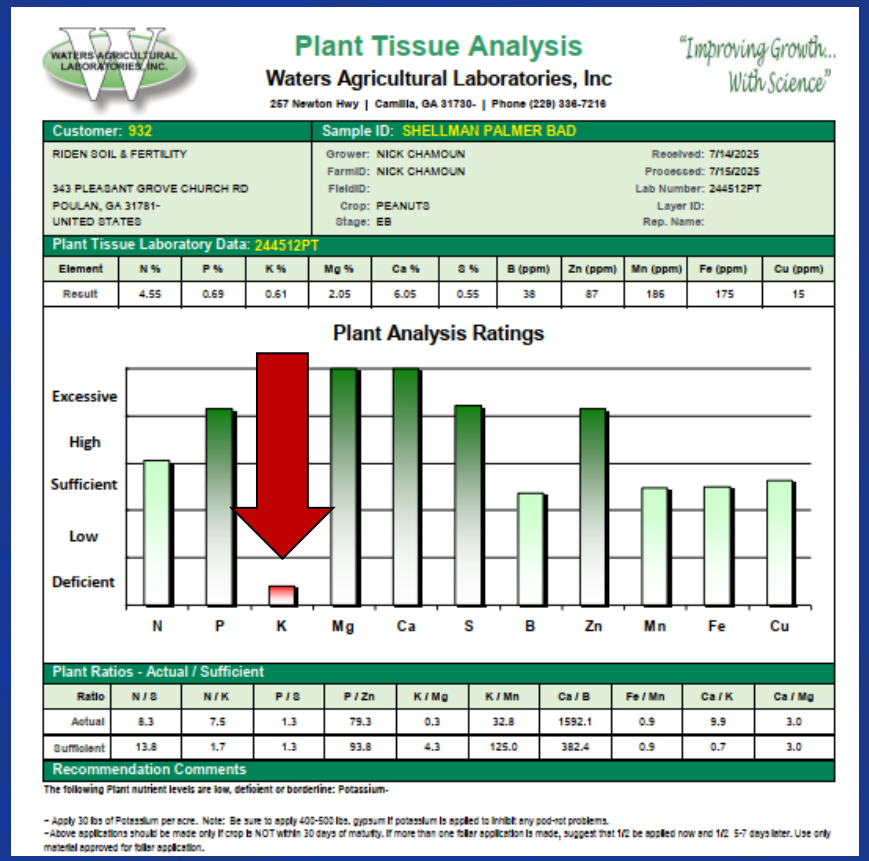
Ratio	N / S	N / K	P / S	P / Zn	K / Mg	K / Mn	Ca / B	Fe / Mn	Ca / K	Ca / Mg
Actual	13.7	2.6	2.0	103.9	1.5	153.5	1411.1	2.0	1.8	2.7
Sufficient	13.8	1.7	1.3	93.8	4.3	125.0	382.4	0.9	0.7	3.0

Recommendation Comments

All Plant levels are sufficient.

Note: A soil sample was not submitted with Plant tissue sample, therefore a thorough analysis is not possible. The results and recommendations are based only on the Plant analysis.

Peanut Field
(K = 2.1%)



Plant Tissue Analysis
Waters Agricultural Laboratories, Inc
257 Newton Hwy | Camilla, GA 31730- | Phone (229) 336-7216
"Improving Growth... With Science"

Customer: 932 — **Sample ID:** SHELLMAN PALMER BAD

RIDEN SOIL & FERTILITY
343 PLEASANT GROVE CHURCH RD
POULAN, GA 31781-
UNITED STATES

Grower: NICK CHAMOUN
FarmID: NICK CHAMOUN
FieldID:
Crop: PEANUTS
Stage: EB
Received: 7/14/2025
Processed: 7/15/2025
Lab Number: 244512PT
Layer ID:
Rep. Name:

Plant Tissue Laboratory Data: 244512PT

Element	N %	P %	K %	Mg %	Ca %	S %	B (ppm)	Zn (ppm)	Mn (ppm)	Fe (ppm)	Cu (ppm)
Result	4.55	0.69	0.61	2.05	6.05	0.55	38	87	186	175	15

Plant Analysis Ratings

Plant Ratios - Actual / Sufficient

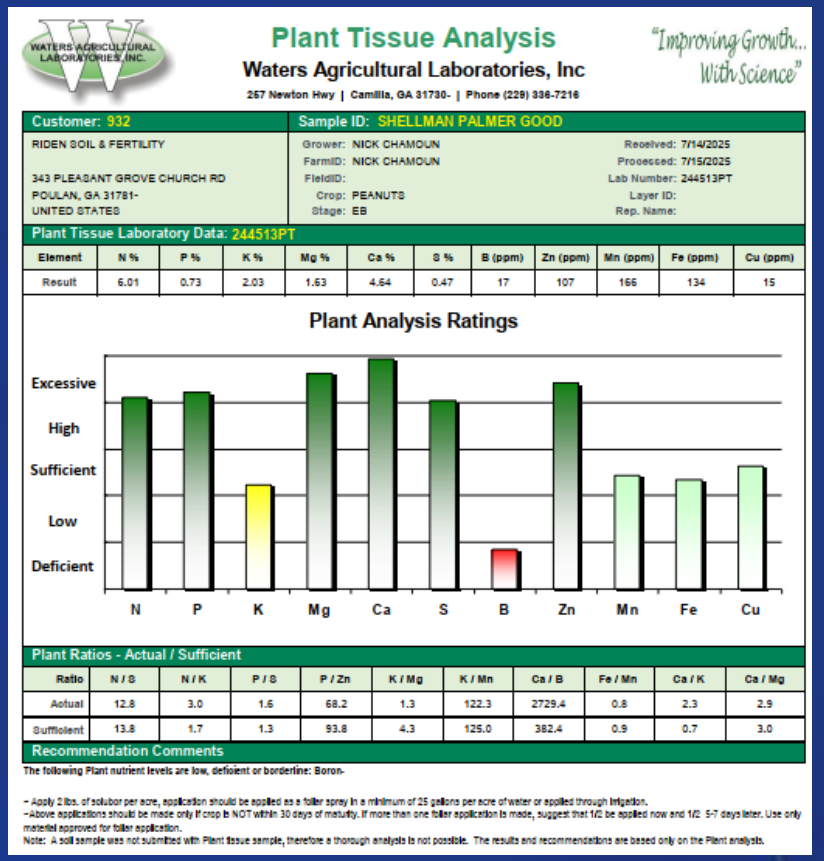
Ratio	N / S	N / K	P / S	P / Zn	K / Mg	K / Mn	Ca / B	Fe / Mn	Ca / K	Ca / Mg
Actual	8.3	7.5	1.3	79.3	0.3	32.8	1592.1	0.9	9.9	3.0
Sufficient	13.8	1.7	1.3	93.8	4.3	125.0	382.4	0.9	0.7	3.0

Recommendation Comments

The following Plant nutrient levels are low, deficient or borderline: Potassium-

- Apply 30 lbs of Potassium per acre. Note: Be sure to apply 400-500 lbs. gypsum if potassium is applied to inhibit any pod-rot problems.
-Above applications should be made only if crop is NOT within 30 days of maturity. If more than one foliar application is made, suggest that 1/2 be applied now and 1/2 5-7 days later. Use only material approved for foliar application.

Corn Field (Bad)
K = 0.61%



Plant Tissue Analysis
Waters Agricultural Laboratories, Inc
257 Newton Hwy | Camilla, GA 31730- | Phone (229) 336-7216
"Improving Growth... With Science"

Customer: 932 — **Sample ID:** SHELLMAN PALMER GOOD

RIDEN SOIL & FERTILITY
343 PLEASANT GROVE CHURCH RD
POULAN, GA 31781-
UNITED STATES

Grower: NICK CHAMOUN
FarmID: NICK CHAMOUN
FieldID:
Crop: PEANUTS
Stage: EB
Received: 7/14/2025
Processed: 7/15/2025
Lab Number: 244513PT
Layer ID:
Rep. Name:

Plant Tissue Laboratory Data: 244513PT

Element	N %	P %	K %	Mg %	Ca %	S %	B (ppm)	Zn (ppm)	Mn (ppm)	Fe (ppm)	Cu (ppm)
Result	6.01	0.73	2.03	1.63	4.64	0.47	17	107	166	134	15

Plant Analysis Ratings

Plant Ratios - Actual / Sufficient

Ratio	N / S	N / K	P / S	P / Zn	K / Mg	K / Mn	Ca / B	Fe / Mn	Ca / K	Ca / Mg
Actual	12.8	3.0	1.6	68.2	1.3	122.3	2729.4	0.8	2.3	2.9
Sufficient	13.8	1.7	1.3	93.8	4.3	125.0	382.4	0.9	0.7	3.0

Recommendation Comments

The following Plant nutrient levels are low, deficient or borderline: Boron-

- Apply 2 lbs. of solubor per acre, application should be applied as a foliar spray in a minimum of 25 gallons per acre of water or applied through irrigation.
-Above applications should be made only if crop is NOT within 30 days of maturity. If more than one foliar application is made, suggest that 1/2 be applied now and 1/2 5-7 days later. Use only material approved for foliar application.
Note: A soil sample was not submitted with Plant tissue sample, therefore a thorough analysis is not possible. The results and recommendations are based only on the Plant analysis.

Corn Field (Good)
K = 2.03%

Source: N. Chammoun

Questions/Comments?

UNIVERSITY OF GEORGIA
College of Agricultural & Environmental Sciences