



# 2023 Peanut Weed Control Update

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**GEORGIA**

College of Agricultural &  
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# Peanut Weed Control - 2022

- 1) Start clean
- 2) Twin rows
- 3) Strong PRE's
- 4) Timely POST's
- 5) Hand-Weeding



PE-07-22  
July 6  
70 DAP





# Peanut Tillage Systems



Strip-Tillage (Worth Co.)



Conventional Tillage (Macon Co.)



# Preplant Burndowns - 2022



NTC



Gramoxone 2SL @ 48 oz/A  
Valor EZ 4SC @ 2 oz/A  
2,4-D 3.8SL @ 16 oz/A  
Agridex @ 1% v/v



Roundup P-MAX3 @ 22 oz/A  
Valor EZ 4SC @ 2 oz/A  
2,4-D 3.8SL @ 16 oz/A  
Agridex @ 1% v/v





# Cutleaf Evening Primrose Control



- Gramoxone 3SL @ 8 oz/A + Basagran 4SL @ 8 oz/A + 2,4-DB 2SL @ 12 oz/A + NIS @ 0.25% v/v
- 10 DAT
- Wayne Nixon (NC Consultant)
  - *“You saved the man’s crop. Many thanks!”*





# Peanut Weed Control – 2022

## *Sonalan vs. Prowl*

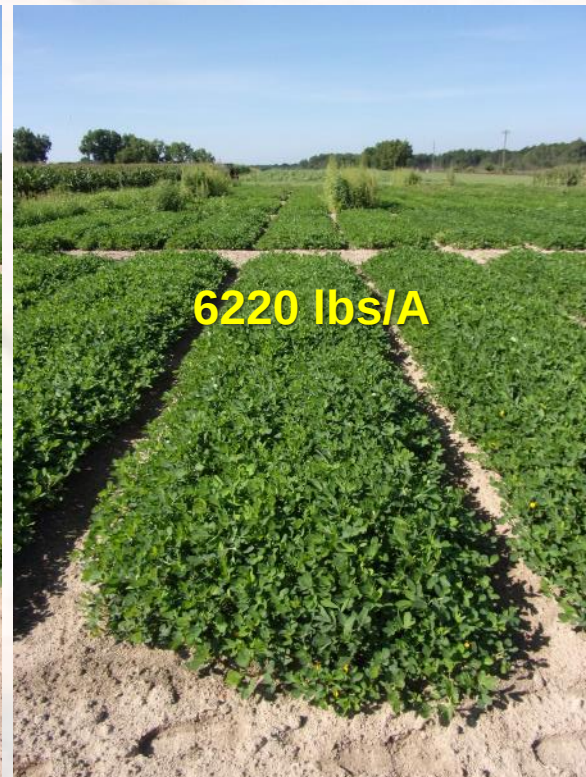


NTC



6096 lbs/A

Sonalan HFP 4EC @ 32 oz/A  
Valor EZ 4SC @ 3 oz/A  
Strongarm 84WG @ 0.225 oz/A  
**PRE (1 DAP)**  
Cadre 2AS @ 4 oz/A  
2,4-DB 2SL @ 16 oz/A  
Dual Magnum 7.62EC @ 16 oz/A  
**POST (27 DAP)**



6220 lbs/A

Prowl H<sub>2</sub>O 3.8SC @ 32 oz/A  
Valor EZ 4SC @ 3 oz/A  
Strongarm 84WG @ 0.225 oz/A  
**PRE (1 DAP)**  
Cadre 2AS @ 4 oz/A  
2,4-DB 2SL @ 16 oz/A  
Dual Magnum 7.62EC @ 16 oz/A  
**POST (27 DAP)**





# Flumioxazin Formulation Test – 2022

## 3 oz/A



PE-23-22  
September 7  
29 DAT



# How long does Valor last?

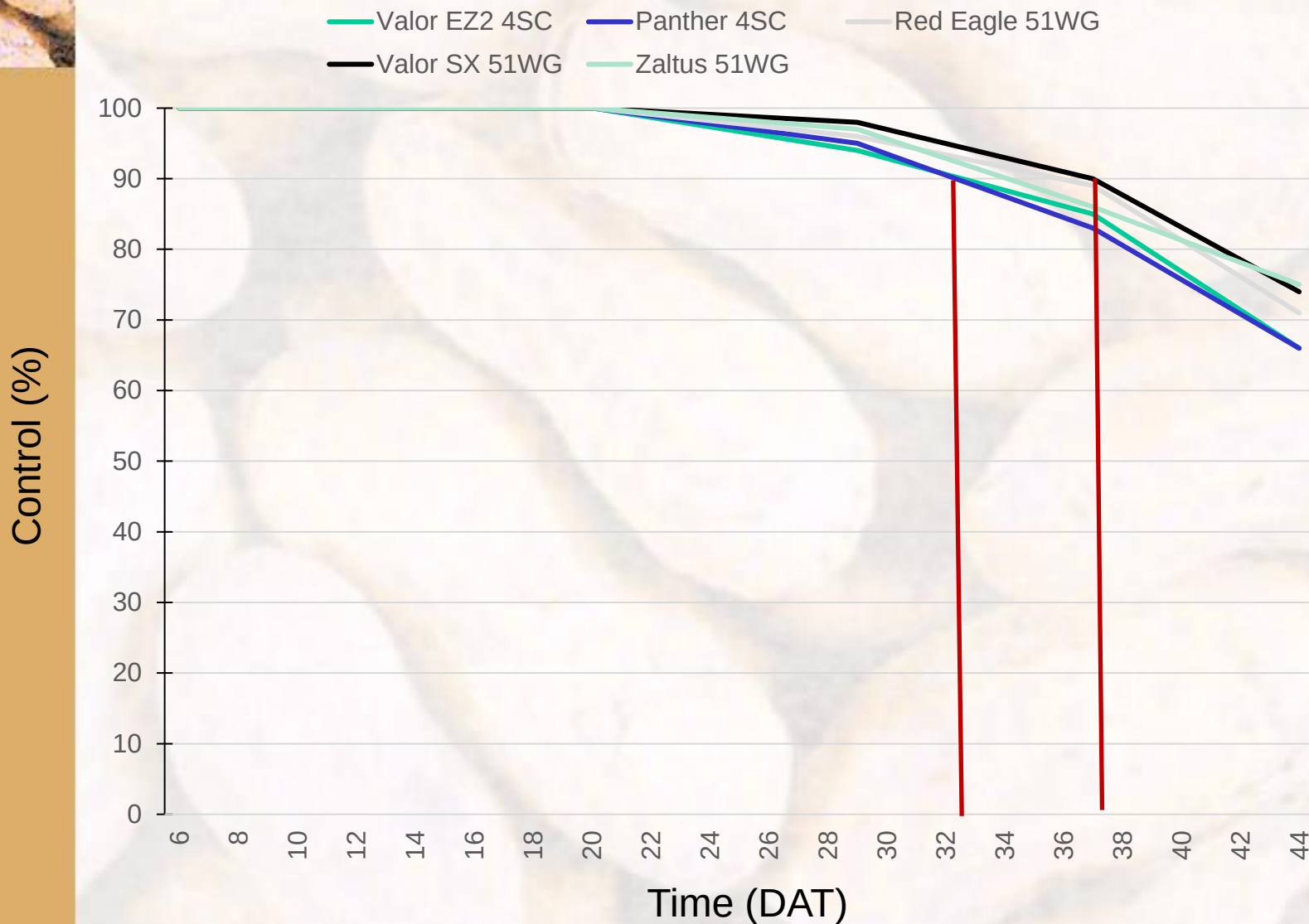
| Georgia Rainfall (inches)* |       |           |          |           |
|----------------------------|-------|-----------|----------|-----------|
| Dates                      | Ty Ty |           | Midville |           |
|                            | 2022  | 1981-2010 | 2022     | 1981-2010 |
| March 15-Apr 15            | 4.92  | 4.69      | 4.73     | 3.99      |
| Apr 15-May 15              | 1.25  | 2.47      | 2.43     | 2.63      |
| May 15-June 15             | 3.57  | 3.85      | 3.32     | 4.03      |
| June 15-July 15            | 6.09  | 4.92      | 3.90     | 4.50      |
| July 15-Aug 15             | 5.69  | 4.56      | 4.57     | 4.72      |

\*University of Georgia Weather Network





# Palmer Amaranth Control with Flumioxazin Formulations (3 oz/A)





# Valor Timing

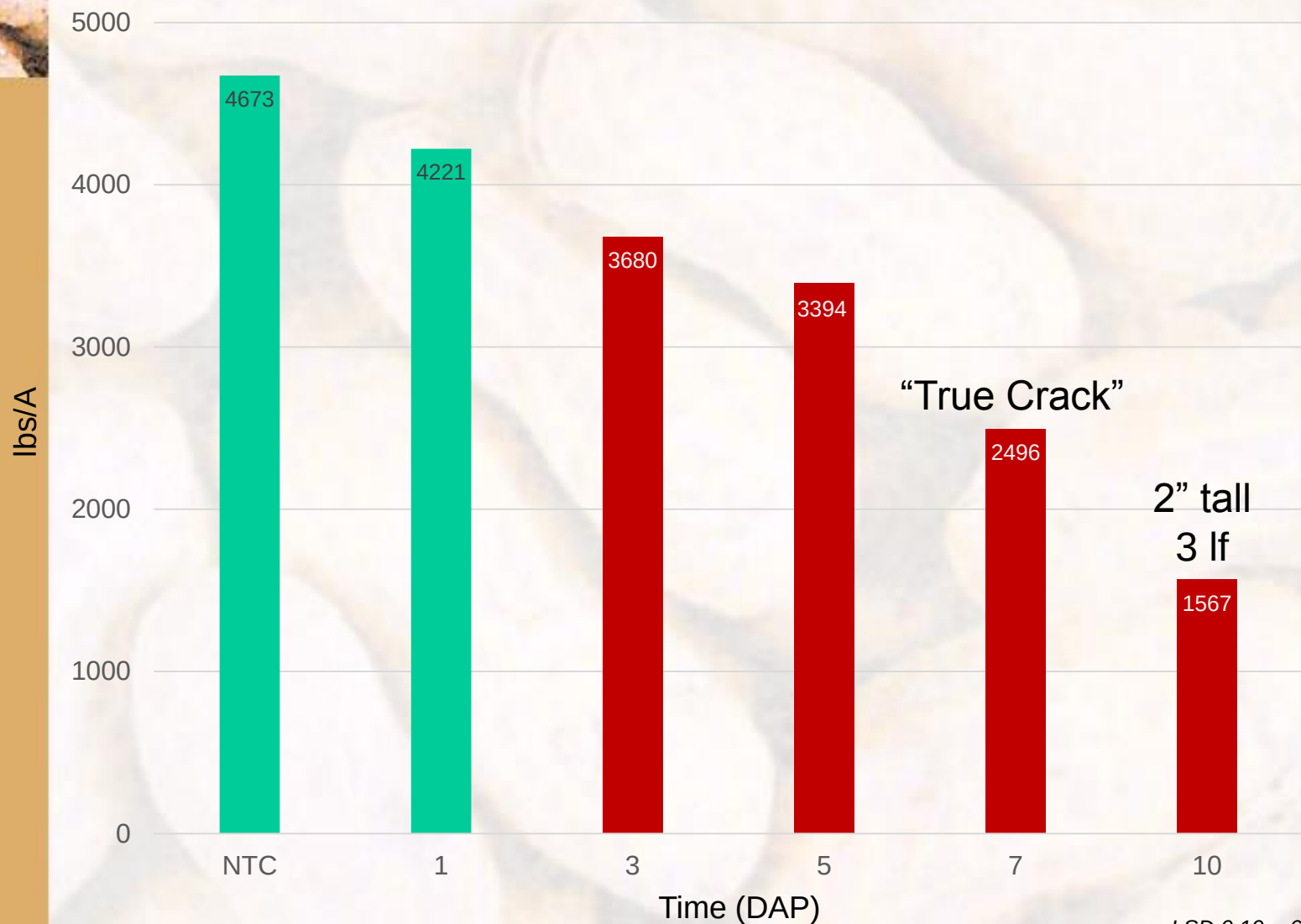
## **TIMING TO PEANUTS**

***Valor* EZ Herbicide<sup>2</sup> may be applied to peanuts prior to planting or preemergence (after planting). Pre-emergence applications of *Valor* EZ Herbicide<sup>2</sup> must be made within 2 days after planting and prior to peanut emergence. Application after the peanuts have begun to crack, or are emerged, will result**





# Peanut Yield as Influenced By Valor 50WG (3 oz/A) Timing





# Peanut Emergence - 2022

1 DAP



3 DAP



5 DAP



7 DAP







# Peanut Weed Control - 2022



NTC



Gramoxone 2SL @ 12 oz/A  
Storm 4SL @ 16 oz/A  
Anthem Flex 4SE @ 3 oz/A  
Induce @ 1% v/v  
**EPOST (13 DAP)**

Cadre 2AS @ 4 oz/A  
2,4-DB 2SL @ 16 oz/A  
Induce @ 0.25% v/v  
**POST (34 DAP)**



Gramoxone 2SL @ 12 oz/A  
Storm 4SL @ 16 oz/A  
Dual Magnum 7.62EC @ 16 oz/A  
**EPOST (13 DAP)**

Cadre 2AS @ 4 oz/A  
2,4-DB 2SL @ 16 oz/A  
Induce @ 0.25% v/v  
**POST (34 DAP)**





# Peanut Weed Control - 2022



NTC



Gramoxone 2SL @ 12 oz/A  
Storm 4SL @ 16 oz/A  
Warrant 3ME @ 48 oz/A  
Induce @ 1% v/v  
**EPOST (13 DAP)**

Cadre 2AS @ 4 oz/A  
2,4-DB 2SL @ 16 oz/A  
Induce @ 0.25% v/v  
**POST (34 DAP)**



Gramoxone 2SL @ 12 oz/A  
Storm 4SL @ 16 oz/A  
Outlook 6EC @ 12.8 oz/A  
**EPOST (13 DAP)**

Cadre 2AS @ 4 oz/A  
2,4-DB 2SL @ 16 oz/A  
Induce @ 0.25% v/v  
**POST (34 DAP)**





**Cadre (4 oz/A) + 2,4-DB (16 oz/A) + .....**  
*(15 GPA, AIXR11002 nozzles, Applied 6:45 am)*

**Anthem Flex (3 oz/A) + Induce (0.25%)**



**Dual Magnum (16 oz/A)**



**Warrant (48 oz/A) + Induce (0.25%)**



**Outlook (12.8 oz/A)**



PE-11-22  
June 6  
6 DAT





# Tropical Spiderwort/Benghal Dayflower

- 1) Plow (i.e. bury seed)
- 2) Twin Rows
- 3) **Group 15's (Dual Magnum, Warrant, Outlook, Zidua, Anthem Flex)**
- 4) Paraquat
- 5) Cadre?
- 6) Strongarm?
- 7) Manage after field corn harvest.

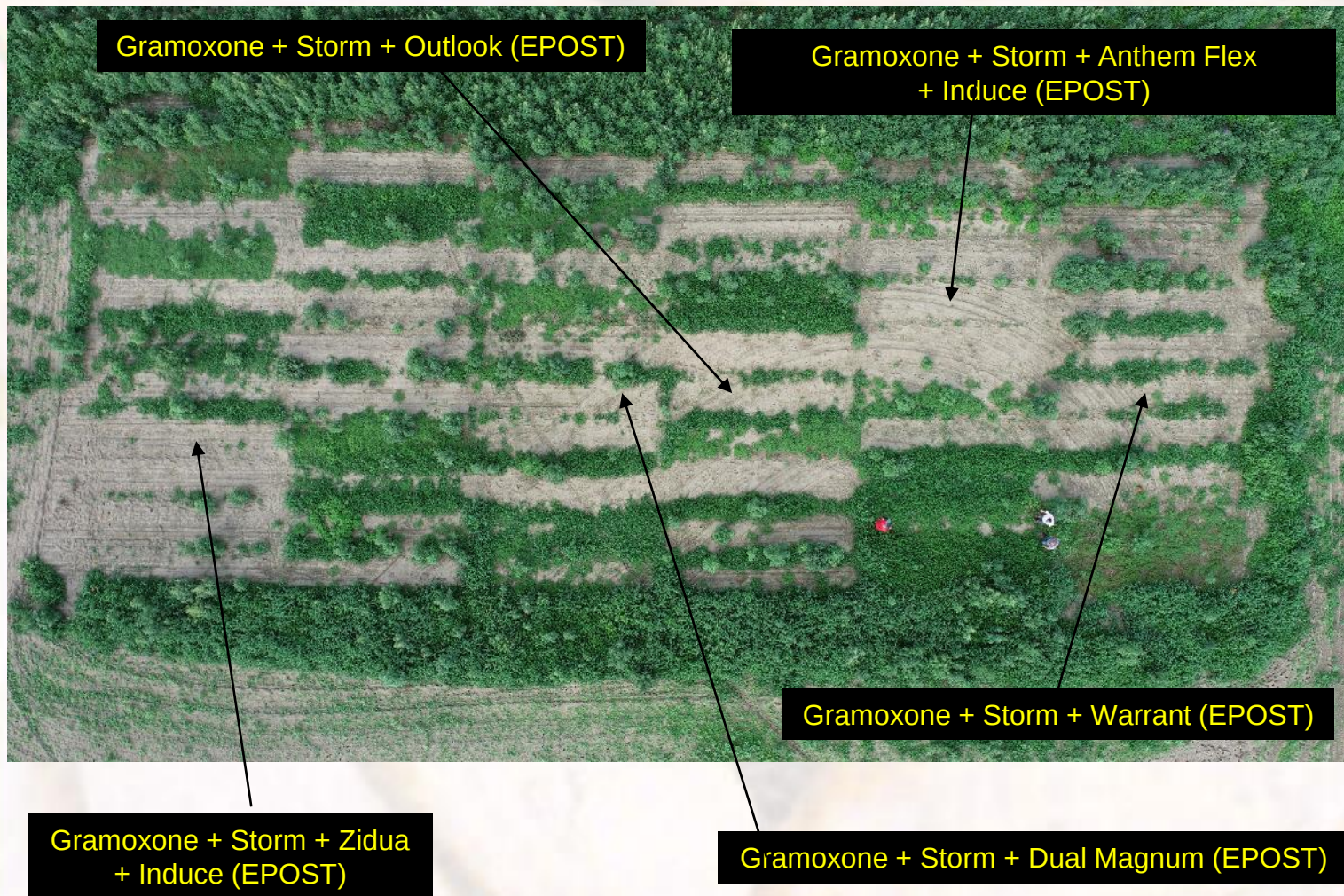






# Tropical Spiderwort – 2022

## *Gramoxone + Storm + Group 15's*



TSW-01-22  
Sumter Co.  
EPOST: July 26  
PIC: August 30 (35 DAT)





# Herbicides for Common Cocklebur Control in Peanut

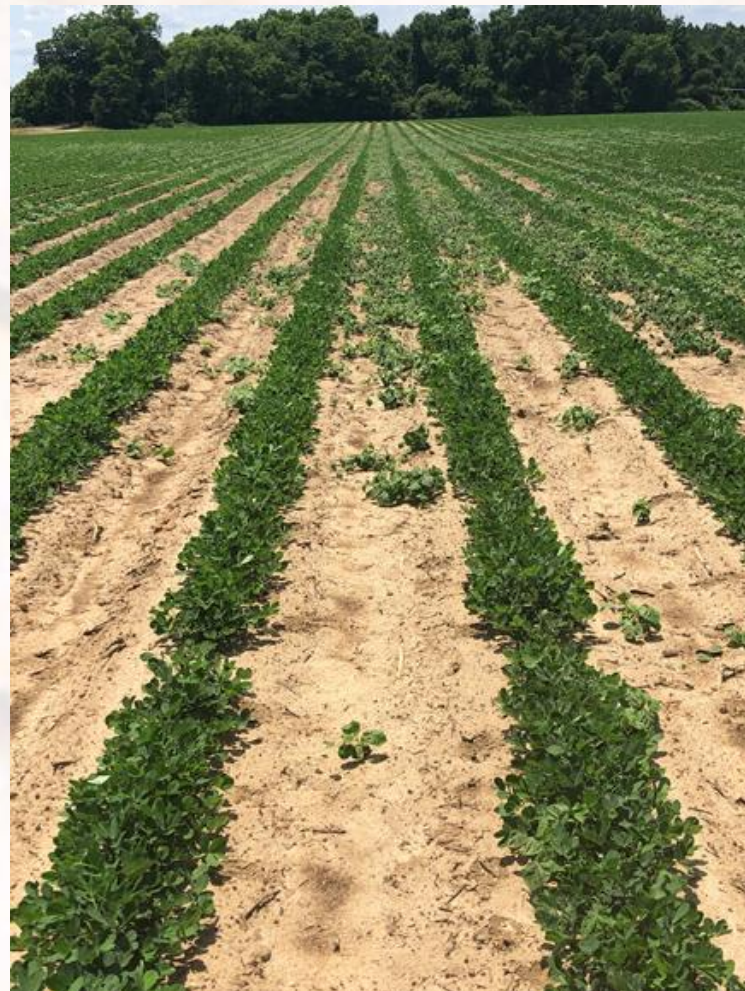
- PRE and/or POST
  - Cadre
  - Pursuit
  - Strongarm
- POST Only
  - 2,4-DB
  - Basagran
  - Cobra
  - Storm
  - Ultra Blazer







# Morningglory in Peanut

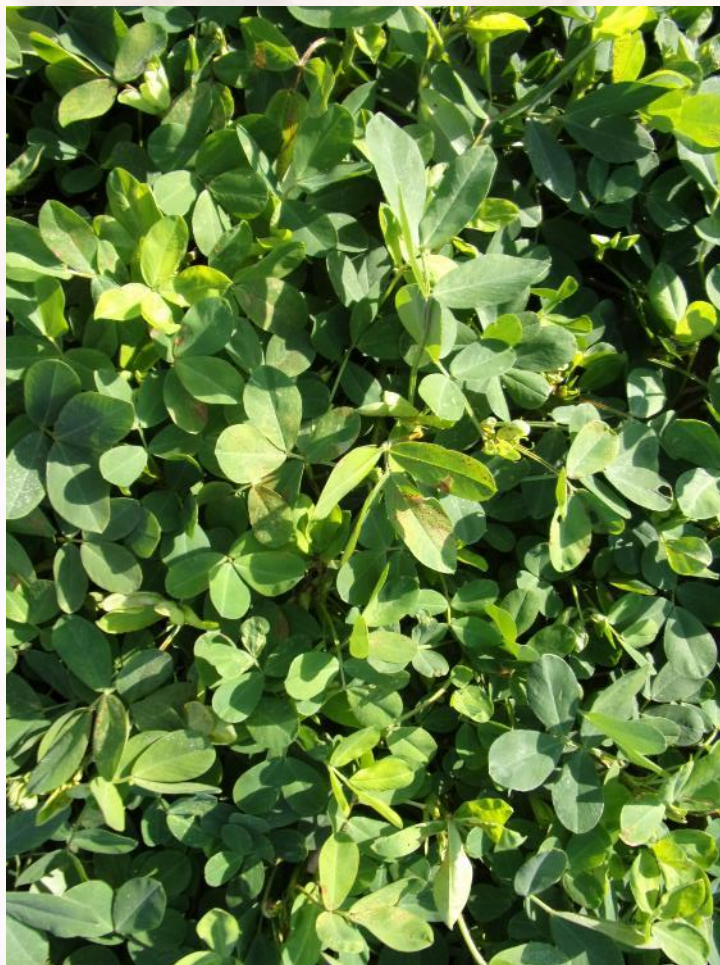






Cadre 2AS @ 4 oz/A + Zidua 4.17SC @ 2.5 oz/A + Strongarm  
84WG @ 0.30 oz/A + Cobra 2EC @ 12.5 oz/A + 2,4-DB 2SL  
@ 16 oz/A + Induce @ 0.25%

Applied:  
06/17/22  
51 DAP  
R2-R3 stage  
6:55 am  
15 GPA  
AIXR nozzles



PE-13-22  
June 21  
4 DAT





Cadre 2AS @ 4 oz/A + Zidua 4.17SC @ 2.5 oz/A + Strongarm  
84WG @ 0.30 oz/A + Cobra 2EC @ 12.5 oz/A + 2,4-DB 2SL  
@ 16 oz/A + Induce @ 0.25%

Applied:  
06/17/22  
51 DAP  
R2-R3 stage  
6:55 am  
15 GPA  
AIXR nozzles



PE-13-22  
June 27  
10 DAT





Cadre 2AS @ 4 oz/A + Zidua 4.17SC @ 2.5 oz/A + Strongarm 84WG @ 0.30 oz/A + Cobra 2EC @ 12.5 oz/A + 2,4-DB 2SL @ 16 oz/A + Induce @ 0.25%

Applied:  
06/17/22  
51 DAP  
R2-R3 stage  
6:55 am  
15 GPA  
AIXR nozzles



06/17/22  
Before



08/02/22  
47 Days After





Cadre 2AS @ 4 oz/A + Zidua 4.17SC @ 2.5 oz/A + Strongarm 84WG @ 0.30 oz/A + Cobra 2EC @ 12.5 oz/A + 2,4-DB 2SL @ 16 oz/A + Induce @ 0.25%

Applied:  
06/17/22  
51 DAP  
R2-R3 stage  
6:55 am  
15 GPA  
AIXR nozzles



06/17/22  
Before



08/02/22  
47 Days After



# Future Products

- **Brake 1.2SL**

- SePRO
- fluridone
- WSSA/HRAC Group 12
- PRE
- 2023?

- **Vulcarus 4.17SL**

- BASF
- trifludimoxazin
- WSSA/HRAC Group 14
- PRE
- 2025??







# Peanut Weed Control – 2022

*Valor + Strongarm vs. Vulcarus + Strongarm*



NTC



Prowl H<sub>2</sub>O 3.8SC @ 32 oz/A  
Valor EZ 4SC @ 3 oz/A  
Strongarm 84WG @ 0.225 oz/A  
**PRE (1 DAP)**  
Cadre 2AS @ 4 oz/A  
2,4-DB 2SL @ 16 oz/A  
Dual Magnum 7.62EC @ 16 oz/A  
**POST (27 DAP)**



Prowl H<sub>2</sub>O 3.8SC @ 32 oz/A  
**Vulcarus 4.17SC @ 1.03 oz/A**  
Strongarm 84WG @ 0.225 oz/A  
**PRE (1 DAP)**  
Cadre 2AS @ 4 oz/A  
2,4-DB 2SL @ 16 oz/A  
Dual Magnum 7.62EC @ 16 oz/A  
**POST (27 DAP)**



# **Peanut Field Surrounded by Pine Trees - Bulloch Co. (August 2020)**



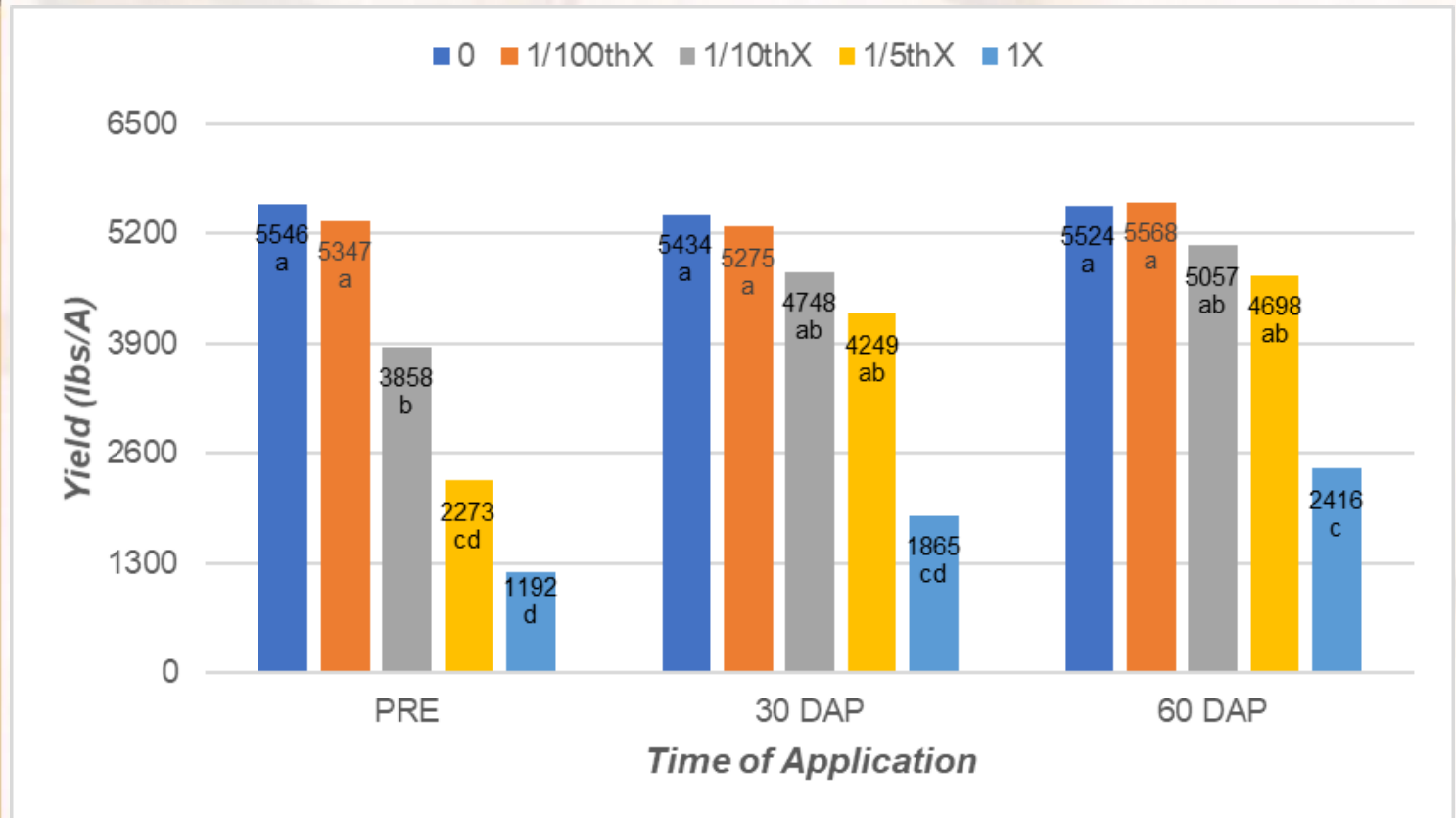


# Arsenal/Peanut Injury





# Arsenal/Peanut Yield (2020-2022)

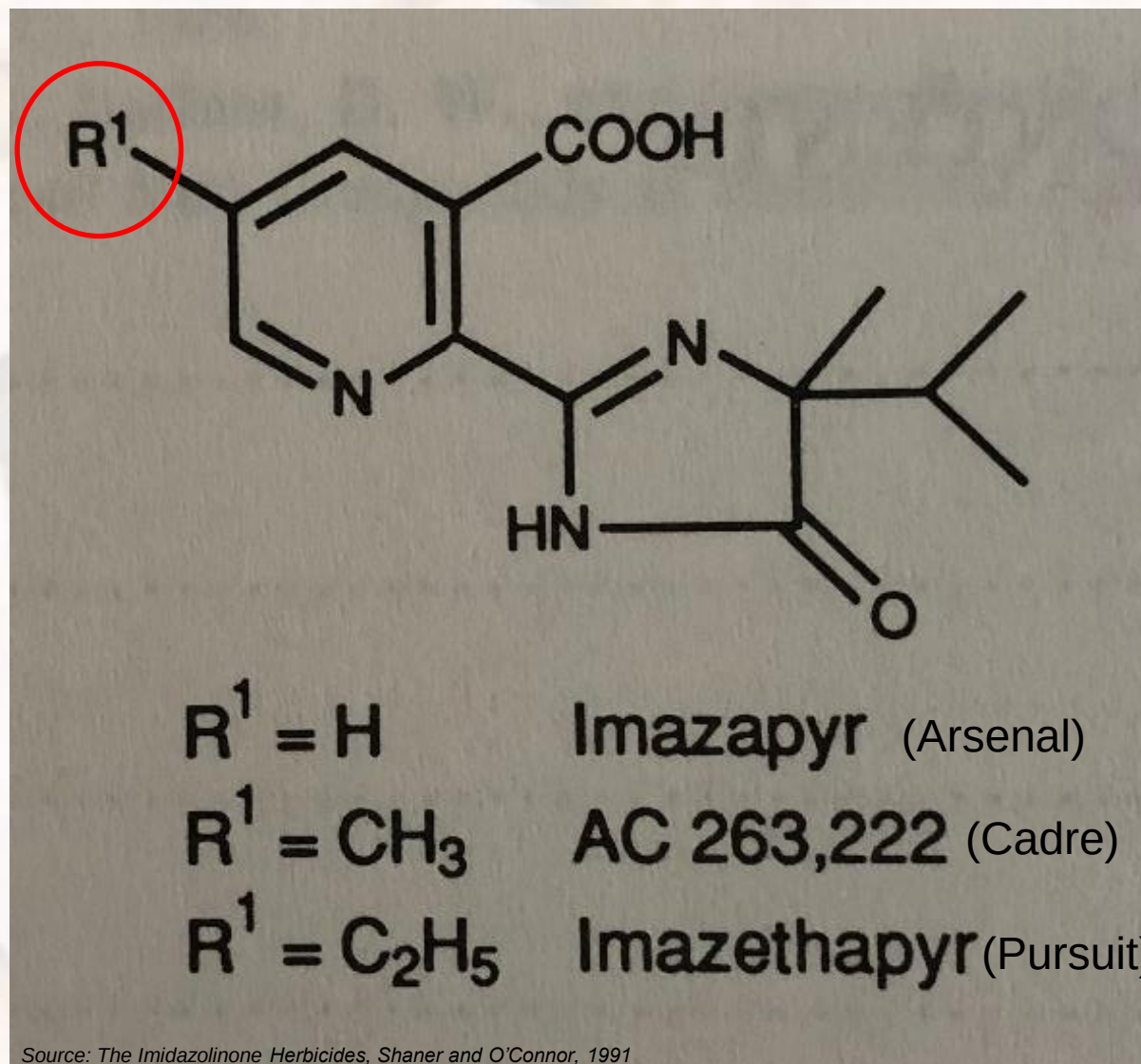


Arsenal® Powerline™ 2SL 1X = 24 oz/A





Cadre (imazapic/AC-263,222) vs. Pursuit (imazethapyr) vs. Arsenal (imazapyr)  
*Structurally not that different but.....*





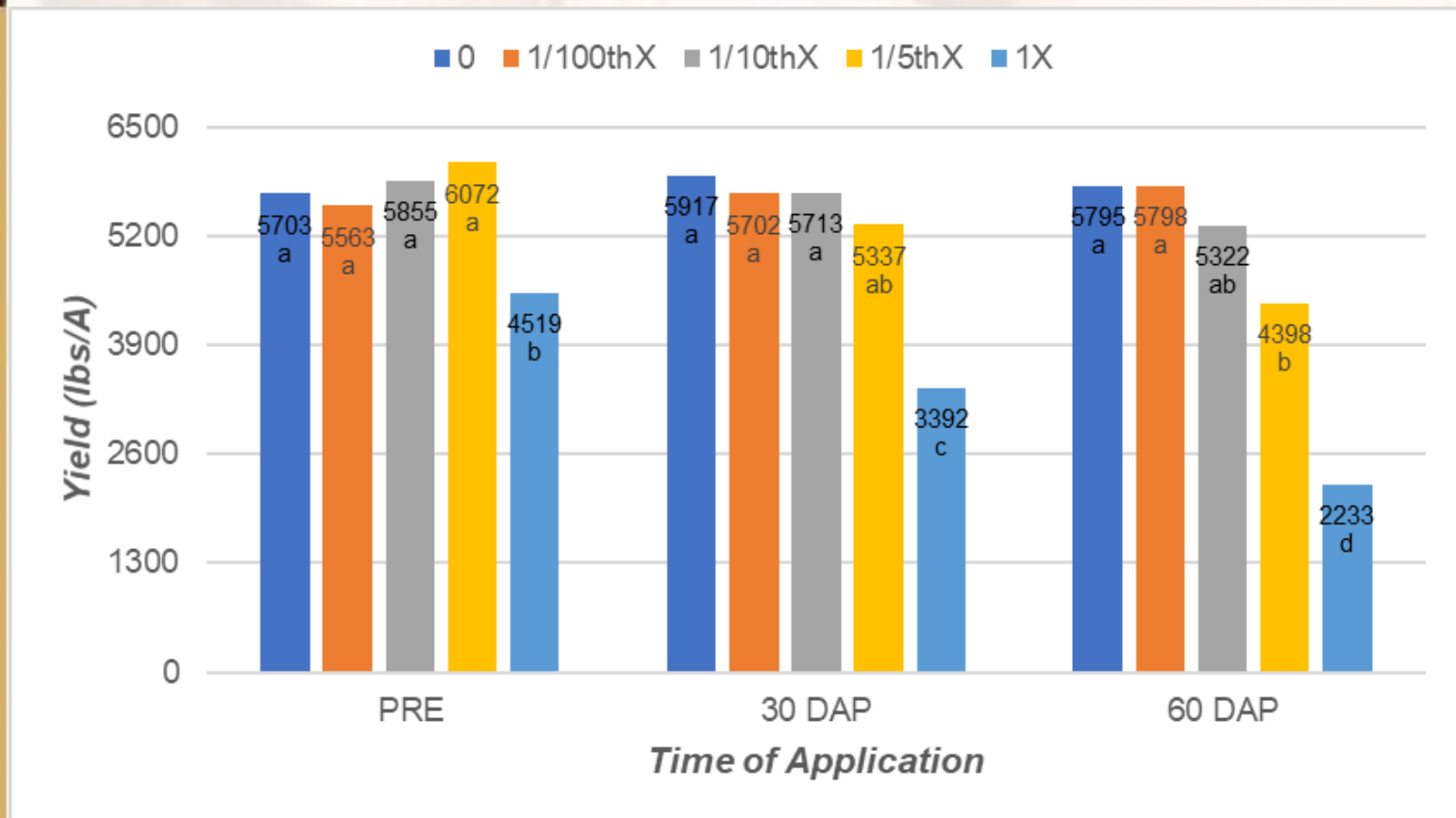
# Garlon/Peanut/Injury







# Garlon/Peanut Yield (2020-2022)



Garlon® 3AS 1X = 32 oz/A





# What do the top Georgia peanut growers do?

## 2022 Georgia Peanut Achievement Club Winners (2021 Crop)

- 15 growers
  - 110 to 1443 acres (range)
- **6059 lb/A average yield**
  - 5289-6814 lbs/A (range)
  - GA State Avg. = 4450 lb/A
- 87% - irrigated
- 67% - bottom plow
- 93% - twin rows
- **Herbicides**
  - 80% - Sonalan
  - **100% - Valor**
  - 53% - Dual
  - 80% - Cadre
  - 73% - 2,4-DB
  - 27% - Prowl
  - 33% - Strongarm





# Questions/Comments

