



Apogee @ 5 oz/A + Class Act @ 38 oz/A (07/27/23) then
Provost @ 11 oz/A + Dimilin @ 3 oz/A + FourMN XL @ 32
oz/A + Peg Power @ 32 oz/A (07/28/23)





Cadre 2AS @ 2.6 oz/A + Strongarm @ 0.226 oz/A + Zidua 4.17SC @ 3 oz/A +
Acephate 97WG @ 7.6 oz/A + Class Act NG @ 10 oz/A + Interlock @ 4.5 oz/A
[Grower/Retail Rep Pics (TifNV-HG)]





Cadre 2AS @ 2.6 oz/A + Strongarm @ 0.226 oz/A + Zidua 4.17SC @ 3 oz/A +
Acephate 97WG @ 7.6 oz/A + Class Act NG @ 10 oz/A + Interlock @ 4.5 oz/A
(Prostko Sprayed)

Applied 6:30 AM on June 5
Air Temp: 72 F
RH: 99%
Soil Temp: 76 F
Soil Moisture: Optimum
Cloud Cover: 100%
Dew: YES
15 GPA
AIXR11002 Tips

TifNV-HG
22 DAP; V5; 4" tall; 4" wide

GA-06G
36 DAP; R1; 7" tall/7" wide

June 10, 2025
5 DAT



TifNV-HG



GA-06G



Gramoxone 3SL @ 16 oz/A + Ultra Blazer 2SL @ 24 oz/A +
2,4-DB 1.75SL @ 16 oz/A + Anthem Flex 4SE @ 3 oz/A +
PowerLock @ 8 oz/A

Applied ~60 DAP/Mid-Afternoon application/12 GPA



J. Bennett
Wilcox Co.
07/10/23
~3 DAT



Gramoxone 3SL @ 16 oz/A + Ultra Blazer 2SL @ 24 oz/A +
2,4-DB 1.75SL @ 16 oz/A + Anthem Flex 4SE @ 3 oz/A +
PowerLock @ 8 oz/A

Applied ~60 DAP/Mid-Afternoon application/12 GPA



J. Bennett
Wilcox Co.
07/13/23
~6 DAT



Gramoxone 3SL @ 16 oz/A + Ultra Blazer 2SL @ 24 oz/A +
2,4-DB 1.75SL @ 16 oz/A + Anthem Flex 4SE @ 3 oz/A +
PowerLock @ 8 oz/A

Applied ~60 DAP/Mid-Afternoon application/12 GPA



J. Bennett
Wilcox Co.
07/18/23
~11 DAT



Cadre (2.5 oz/A) + 2,4-DB (32 oz/A) + Dual Magnum (16 oz/A) + tebuconazole (7.2 oz/A) + chlorothalonil (16 oz/A) - Applied in AM with flat fan tips



Berrien Co.
06/28/23
2 DAT
GA-12Y



Cadre (4 oz/A) + Cobra (12.5 oz/A) + Dual Magnum (16 oz/A) + 2,4-DB (16 oz/A) + 10% Boron (32 oz/A) + Priaxor (8 oz/A)

GA-06G
Applied 57 DAP
R3-R4 stage
6:45 am
15 GPA
AIXR11002 nozzles



No mixing issues.

PE-89-23
June 30
2 DAT



Cadre (4 oz/A) + Cobra (12.5 oz/A) + Dual Magnum (16 oz/A) + 2,4-DB (16 oz/A) + 10% Boron (32 oz/A) + Priaxor (8 oz/A)

GA-06G
Applied 57 DAP
R3-R4 stage
6:45 am
15 GPA
AIXR11002 nozzles



PE-89-23
July 3
5 DAT



Cadre (4 oz/A) + Cobra (12.5 oz/A) + Dual Magnum (16 oz/A) + 2,4-DB (16 oz/A) + 10% Boron (32 oz/A) + Priaxor (8 oz/A)

GA-06G
Applied 57 DAP
R3-R4 stage
6:45 am
15 GPA
AIXR11002 nozzles



PE-89-23
July 5
7 DAT



Gramoxone 2SL @ 12 oz/A
Broadloom 4SL @ 8 oz/A
Strongarm 84WG @ 0.3 oz/A
Dual Magnum 7.62EC @ 16 oz/A
Applied 13 DAP

PE-12-23
May 24
8 DAT



Cobra @ 15.5 oz/A + Zidua @ 2.5 oz/A +
2,4-DB @ 16 oz/A + Provysol @ 5 oz/A
(Applied 15 GPA, 6:55 am, 11002 AIXR Nozzles)



- Provysol



+ Provysol

PE-11-21
June 11
2 DAT



Cobra @ 15.5 oz/A + Outlook @ 12.8 oz/A
+ 2,4-DB @ 16 oz/A + Provysol @ 5 oz/A
(Applied 15 GPA, 6:55 am, 11002 AIXR Nozzles)



- Provysol



+ Provysol

PE-11-21
June 11
2 DAT



Cadre @ 4 oz/A + Outlook @ 12.8 oz/A +
2,4-DB @ 16 oz/A + Provysol @ 5 oz/A
(Applied 15 GPA, 6:55 am, 11002 AIXR Nozzles)



- Provysol

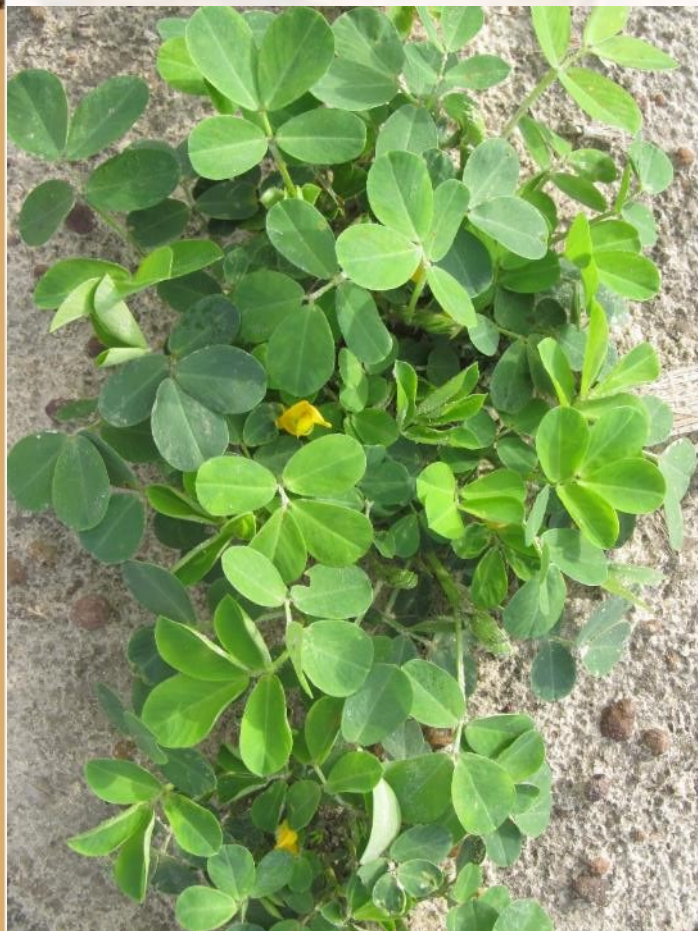


+ Provysol

PE-11-21
June 11
2 DAT



Cadre @ 4 oz/A + Zidua @ 2.5 oz/A + 2,4-DB @ 16 oz/A + Provysol @ 5 oz/A
(Applied 15 GPA, 6:55 am, 11002 AIXR Nozzles)



- Provysol



+ Provysol

PE-11-21
June 11
2 DAT



Ultra Blazer @ 24 oz/A + Zidua @ 2.5 oz/A + 2,4-DB @ 16 oz/A + Provysol @ 5 oz/A
(Applied 15 GPA, 6:55 am, 11002 AIXR Nozzles)



- Provysol



+ Provysol

PE-11-21
June 11
2 DAT



Equus @ 16 oz/A + Alto @ 5.5 oz/A + 10% Boron @ 32 oz/A then Ultra Blazer (24 oz/A) + Dual Magnum (16 oz/A) Applied 1 Day Later



June 8, 2023
2 DAT



Cadre (4 oz/A) + Cobra (12 oz/A) + 2,4-DB
(16 oz/A) + Dual Magnum (16 oz/A)



PE-11-23
6 DAT



Cadre (4 oz/A) + Anthem Flex (3 oz/A) + 2,4-DB (16 oz/A) + Induce (0.25% v/v)



PE-15-23
June 6
6 DAT



Cadre (4 oz/A) + Anthem Flex (3 oz/A) +
Cobra (12.5 oz/A) + 2,4-DB (16 oz/A) +
Induce (0.25% v/v)



PE-15-23
June 6
12 DAT



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



Cadre (4 oz/A) + 2,4-DB (16 oz/A) + Dual Magnum (16 oz/A) +
Priaxor Xemium (8 oz/A) +/- Liquid Boron-10% (32 oz/A)
Applied 7 AM (41 DAP); 15 GPA, AIXR 10002 nozzles



- Boron



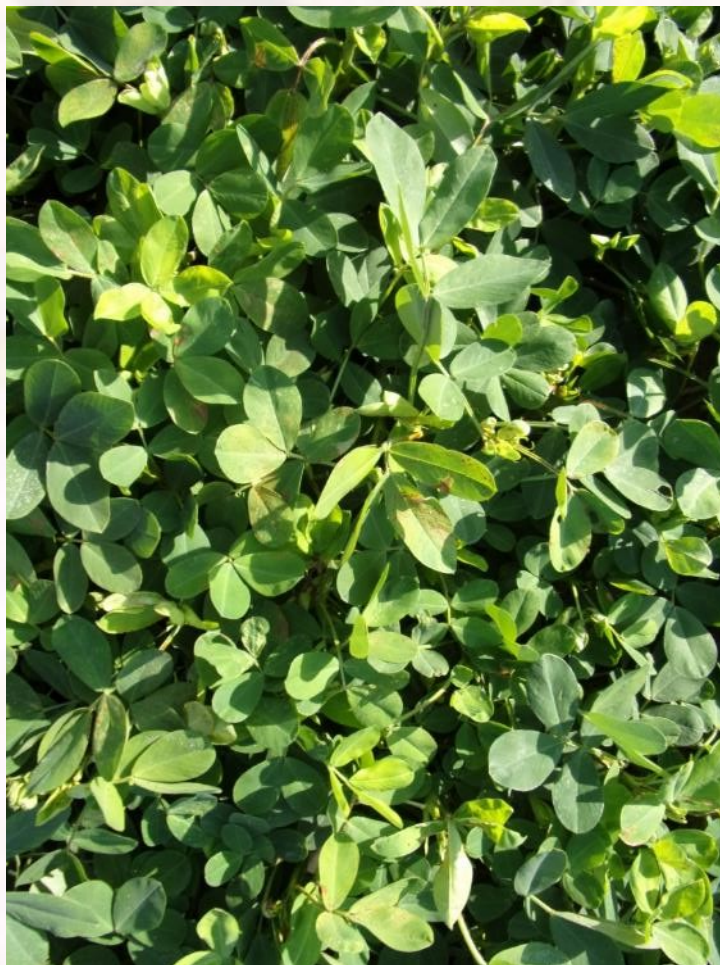
+ Boron

PE-22-22
June 16
3 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 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



Provost (10.7 oz/A) + Fulbor + Penatrator Plus + 2,4-DB



Cadre @ 4 oz/A + Dimilin @ 4 oz/A + Bravo WS
@ 24 oz/A + NIS @ 0.25% v/v – 5 DAT





Headline + Cadre + Strongarm + 2,4-DB + Dyne-Amic



Cadre @ 1.44 ozs/A
Headline @ 9 ozs/A
Dual Magnum @ 1.33 pts/A
AMS @ 1 lb/A
COC @ 1 qt/A

Cadre (4 oz/A) + 2,4-DB (24 oz/A) +
Stratego (7 oz/A) + Peg Power (16 oz/A) +
Hook (0.25% v/v)

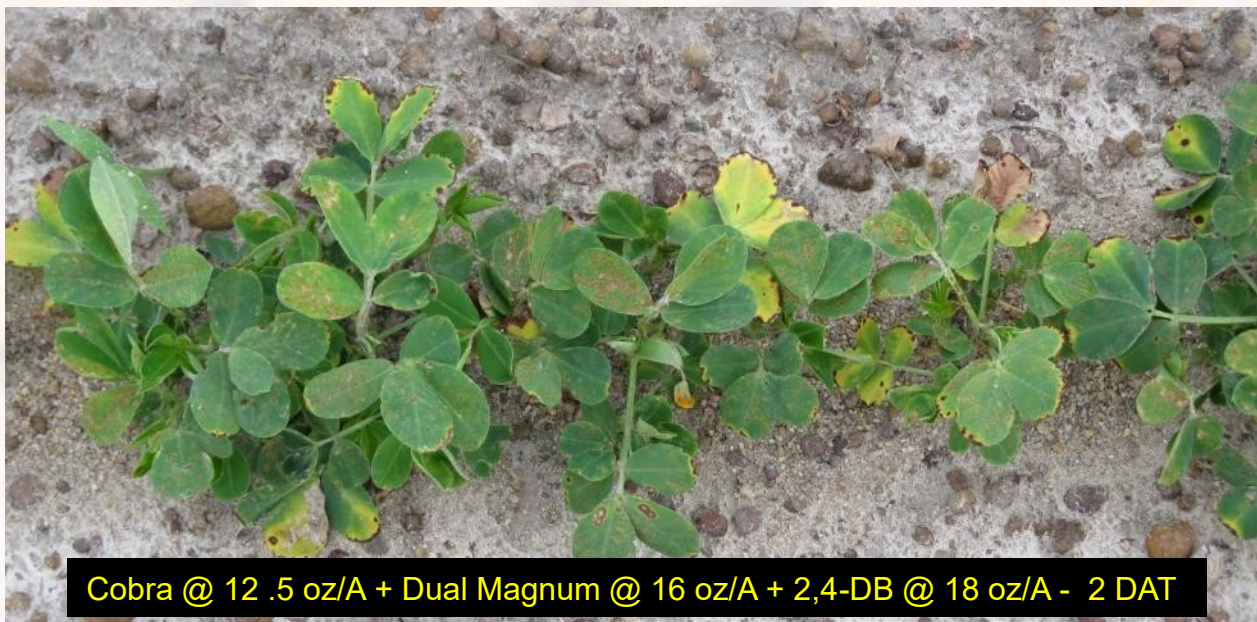


Leaf Burn Caused By Cadre 2AS (4 oz/A) + Dual
Magnum 7.62EC (16 oz/A)+ 2,4-DB 1.75SL (18
oz/A) + Bravo WS 6L (24 oz/A) - 3 DAT



Select Max @ 16 oz/A + NIS @ 0.25% v/v
fb Priaxor @ 6 oz/A + Boron @ 1 qt/A Applied 1 hour later
Photo = 3 DAT





Cobra @ 12.5 oz/A + Dual Magnum @ 16 oz/A + 2,4-DB @ 18 oz/A - 2 DAT



Cobra @ 12.5 oz/A + Warrant @ 48 oz/A + 2,4-DB @ 18 oz/A + NIS @ 0.25% v/v - 2 DAT

Cobra + 2,4-DB + Dual or Warrant - 2014



Cobra @ 12.5 oz/A
Dual Magnum @ 16 oz/A
2,4-DB @ 18 oz/A
3 DAT



Cobra @ 12.5 oz/A
Warrant @ 48 oz/A
2,4-DB @ 18 oz/A
NIS @ 0.25% v/v
3 DAT

PE-01B-14
June 20
3 DAT



NTC



Cadre 2AS @ 4 oz/A
Diamond 0.83EC @ 9 oz/A
Absolute 4.36SC @ 5 oz/A
Induce @ 0.25% v/v

PE-99-14
3 DAT



NTC



Cadre 2AS @ 4 oz/A
2,4-DB 1.75SL @ 18 oz/A
Acephate 97WG @ 6 oz/A
Induce @ 0.25% v/v

PE-99-14
3 DAT



Dual Magnum, Warrant, Zidua, Fungicide Tank-Mixes 2014

- No negative yield effects when tank-mixed with Tilt/Bravo, Abound, Fontelis, Provost, Priaxor, Artisan, Absolute.
- More likely to see peanut leaf burn with Dual Magnum mixtures.



Dual Magnum @ 21 oz/A + Tilt/Bravo @ 32 oz/A – 7 DAT



Tank Mixes - 2016



- Tifguard
- 24 oz/A of 2,4-DB
- 5 oz/A of Sniper
 - bifenthrin
- 0.25% v/v Reigne
- 14 DAT
- August 2016

Tank-Mixtures – 2017

Applied 7:15 am, 15 GPA



Gramoxone 2SL @ 12 oz/A
Storm 4SL @ 16 oz/A
Dual Magnum 7.62EC @ 16 oz/A
2,4-DB 1.75SL @ 16 oz/A



Gramoxone 2SL @ 12 oz/A
Storm 4SL @ 16 oz/A
Dual Magnum 7.62EC @ 16 oz/A
2,4-DB 1.75SL @ 16 oz/A
Admire Pro 4.6SL @ 3 oz/A

PE-27-17
May 30
4 DAT

Tank-Mixtures – 2017

Applied 7:15 am, 15 GPA



Select Max 0.97EC @ 16 oz/A
NIS @ 16 oz/A



Select Max 0.97Ec @ 16 oz/A
Acephate 97Up 97DG @ 6 oz/A
NIS @ 16 oz/A

Tank-Mixes – 2017

Applied 8 am, 15 GPA



Gramoxone 2SL @ 14 oz/A
Warrant 3ME @ 48 oz/A



Gramoxone 2SL @ 14 oz/A
Warrant 3ME @ 48 oz/A
Proline 4SC @ 34.2 oz/A
Orthene 97WP @ 12 oz/A

PE-28-17
June 12
3 DAT

Tank-Mixes – 2017

Applied 8 am, 15 GPA



Gramoxone 2SL @ 14 oz/A
Storm 4SL @ 16 oz/A
Dual Magnum 7.62EC @ 16 oz/A



Gramoxone 2SL @ 14 oz/A
Storm 4SL @ 16 oz/A
Dual Magnum 7.62EC @ 16 oz/A
Proline 4SC @ 34.2 oz/A
Orthene 97WP @ 12 oz/A

PE-28-17
June 12
3 DAT

Cadre + Dual Magnum + 2,4-DB –
6 DAT (May 31, 2017)





Convoy + Alto + Bifenthrin fb Select + COC 1 hour later



Picture @ 4 DAT (July 6)
Applied ~ 12 pm (July 2)
10 GPA

Propulse + 2,4-DB - 2017



July 6, 2017
J. Griffin



Dry MnSO_4 + 2,4-DB

Day 1 -
Mixed in
700-800
Gallons of
water – no
problems
Day 2-
Mixed in less
than 100
gallons of
water – Big
Mess



Dr. Alan York
NCSU
July 2017



Dry MnSO_4 + 2,4-DB





2,4-DB @ 10 oz/A + Dimilin @ 4 oz/A +
Muscle ADV @ 32 oz/A + Peg Power + Mic-
Ro-Pac - 3 DAT (6-way mix)



Applied:
13 GPA
12 Noon
75 DAP
Bulloch Co.



Cadre (4 oz/A) + Dual Magnum (21 oz/A) + 2,4-DB (24 oz/A) – 3 DAT



PE-68-17
Applied 30 DAP
8:00 am
15 GPA



Cadre (4 oz/A) + Dual Magnum (21 oz/A) +
2,4-DB (24 oz/A) + Cobra (12.5 oz/A) – 3
DAT



PE-68-17
Applied 30 DAP
8:00 am
15 GPA



Cadre (4 oz/A) + Dual Magnum (21 oz/A) +
2,4-DB (24 oz/A) + Ultra Blazer (24 oz/A) – 3
DAT



PE-68-17
Applied 30 DAP
8:00 am
15 GPA



Cadre (4 oz/A) + 2,4-DB (16 oz/A) + Dual
Magnum (16 oz/A) +/- Priaxor (8 oz/A)



- Priaxor



+ Priaxor

PE-26-18
June 4
4 DAT



Cadre (4 oz/A) + 2,4-DB (16 oz/A) + Dual
Magnum (16 oz/A) +/- Priaxor (8 oz/A)



- Priaxor



+ Priaxor

PE-26-18
June 4
4 DAT

Cadre + Priaxor + 2,4-DB + Awaken (Various Nutrients) + Liberate (penetrant/deposition aid/drift control agent)





Cadre + 2,4-DB + Dual Magnum + Priaxor – 3 DAT



PE-99-14
June 20
3 DAT



Ultra Blazer (24 oz/A) + 2,4-DB (16 oz/A) +
Dual Magnum (16 oz/A) +/- Priaxor (8 oz/A)



- Priaxor



+ Priaxor

PE-26-18
June 4
4 DAT



Ultra Blazer (24 oz/A) + 2,4-DB (16 oz/A) +
Dual Magnum (16 oz/A) +/- Priaxor (8 oz/A)



- Priaxor



+ Priaxor

PE-26-18
June 4
4 DAT



Ultra Blazer + Dual Magnum + 2,4-DB + Priaxor (Applied 15 GPA @ 7 am)



PE-26-18
June 4
4 DAT



Cadre (4 oz/A) + 2,4-DB (16 ozs/A) + Dual
Magnum (24 oz/A) + NIS (0.25% v/v) - (15
GPA, 8 am) – 6 DAT



Source:
B. Tillman
IFAS
6/12/18



Oops!

Applied 60 DAP
15 GPA
11am

Valor 2 oz
Cadre 2 oz
2,4-DB 16 oz
Bravo 16 oz

Pic @ 10 dat





Another Oops!



September 14, 2017
32 DAT (122 DAP)
Tide Hexar 2SL
14.5 oz/A + COC



Priaxor @ 8 oz/A + Boron @ 32 oz/A fb
Select @ 16 oz/A + COC @ 1% v/v 10
minutes later



9/29/2017
3 DAT



Abound + 2,4-DB + Boron +
Manganese fb Peg Power 1 day later



July 18, 2017



2,4-DB + Chlorothalinol + Convoy + Peg Power + Micronutrient Pack(?)



August 2018
3 DAT



Ultra Blazer (24 oz/A) + Dual Magnum
(16 oz/A) + 2,4-DB (16 oz/A) + Lucento
(5.5 oz/A)



- Lucento



+ Lucento



Ultra Blazer (24 oz/A) + Dual Magnum
(16 oz/A) + 2,4-DB (16 oz/A) + Lucento
(5.5 oz/A)



- Lucento



+ Lucento

PE-19-19
5 DAT

Applied 45 DAP, 7 am, 15 GPA



Cadre (4 oz/A) + Dual Magnum (16 oz/A) + 2,4-DB (16 oz/A) + Lucento (5.5 oz/A)



- Lucento



+ Lucento



Priaxor @ 6 oz/A + 2,4-DB @ 18 oz/A + Strongarm
@ 0.225 oz/A + LI-700 @ 0.25% v/v



GPA:
Time of Day:
Peanut Age:
X DAT



Cadre (4 oz/A) + Propulse (13.6 oz/A) + Dual
Magnum (16 oz/A)
Applied 40 DAP, 15 GPA



Cadre + Dual Magnum + 2,4-DB + Propulse
Applied 38 DAP; 15 GPA; 7:30 am



- Propulse



+ Propulse (13.6 oz/A)

PE-22-20
June 9
5 DAT



Ultra Blazer + Dual Magnum + 2,4-DB + Propulse
Applied 38 DAP; 15 GPA; 7:30 am



- Propulse



+ Propulse (13.6 oz/A)

PE-22-20
June 9
5 DAT

Cobra + Dual Magnum + 2,4-DB + Propulse
Applied 38 DAP; 15 GPA; 7:30 am



- Propulse



+ Propulse (13.6 oz/A)

PE-22-20
June 9
5 DAT

Cadre + Dual Magnum + 2,4-DB + Excalia
Applied 38 DAP; 15 GPA; 7:30 am



- Excalia



+ Excalia (4 oz/A)

PE-22-20
June 9
5 DAT



Ultra Blazer + Dual Magnum + 2,4-DB + Excalia
Applied 38 DAP; 15 GPA; 7:30 am



- Excalia



+ Excalia (4 oz/A)

PE-22-20
June 9
5 DAT

Cobra + Dual Magnum + 2,4-DB + Excalia
Applied 38 DAP; 15 GPA; 7:30 am



- Excalia



+ Excalia (4 oz/A)

PE-22-20
June 9
5 DAT



Provost Silver @ 13 oz/A + 2,4-DB
@ 16 oz/A + Agridex @ 1% v/v



Applied 7:30 am
July 27 (91 DAP)
15 GPA
11002AIXR
1 DAT
PE-35-20



Provost Silver @ 13 oz/A + 2,4-DB
@ 16 oz/A + Agridex @ 1% v/v



Applied 7:30 am
July 27 (91 DAP)
15 GPA
11002AIXR
3 DAT
PE-35-20



Provost Silver + 2,4-DB



Provost Silver @ 13 oz/A



Provost Silver @ 13 oz/A
2,4-DB @ 16 oz/A



Provost Silver @ 13 oz/A
2,4-DB @ 16 oz/A
Agridex @ 1% v/v

*Applied 7:30 am
July 27 (91 DAP)
15 GPA
11002AIXR
1 DAT
PE-35-20*



Peanut Weed Control – 2024

*Cadre/Ultra Blazer/Cobra/2,4-DB/Dual Magnum Tank-Mixes
(15 GPA, AIXR11002 Tips)*



NTC



Cadre 2AS @ 4 oz/A
Butyrac 200 2SL @ 16 oz/A
Dual Magnum 7.62EC @ 16 oz/A
(~\$17.44/A)



Cadre 2AS @ 4 oz/A
Cobra 2EC @ 12.5 oz/A
Butyrac 200 2SL @ 16 oz/A
Dual Magnum 7.62EC @ 16 oz/A
(~\$35.45/A)



Cadre 2AS @ 4 oz/A
Ultra Blazer 2SL @ 24 oz/A
Butyrac 200 2SL @ 16 oz/A
Dual Magnum 7.62EC @ 16 oz/A
(~\$26.16)

Other Crops (not peanuts)





The Tank-Mixes Blues!



Reflex
Zidua
B-Moly
Glyphosate
Brandt Smart Trio
(N + S + B + Mn + Zn)

***Always pre-slurry dry formulations
in water before adding to tank!!!**

Wrong Mixing Order



Was: 1) Gramoxone; 2) Storm; 3) Zidua SC

Should have been: 1) Zidua SC; 2) Storm; 3) Gramoxone

Wrong Mixing Order





Wrong Mixing Order

10 GPA, Roundup PowerMax3 @ 32 oz/A + Zidua SC @ 2 oz/A



Roundup PMAX3 then Zidua



Zidua then Roundup PMAX3

Wrong Mixing Order



Should be:
Zidua SC
Basagran
Helmquat
NIS

Liberty 2.34SL @ 32 oz/A +
Pursuit 2AS @ 4 oz/A
Applied V3



1 DAT



4 DAT

Roundup PowerMax3 5.88SL @ 28 oz/A +
Liberty 2.34 SL @ 32 oz/A + Prefix 5.29EC @ 32 oz/A
Applied V3



1 DAT



4 DAT

Roundup PowerMax3 5.55SL @ 28 oz/A +
Engenia 5SL @ 12.8 oz/A + Basagran 5LC @ 26 oz/A
Aegos 5.8SL @ 8 oz/A
Applied V3



1 DAT



4 DAT

SB-06-24

Roundup PowerMax3 5.55SL @ 28 oz/A
Xtendimax 2.9SL @ 22 oz/A + Basagran 5LC @ 26 oz/A +
Aegos 5.8SL @ 8 oz/A
Applied V3



1 DAT



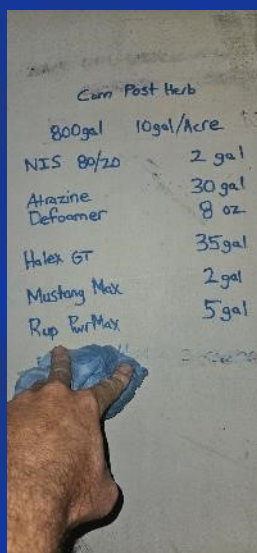
4 DAT

Halex GT Mixing Problem

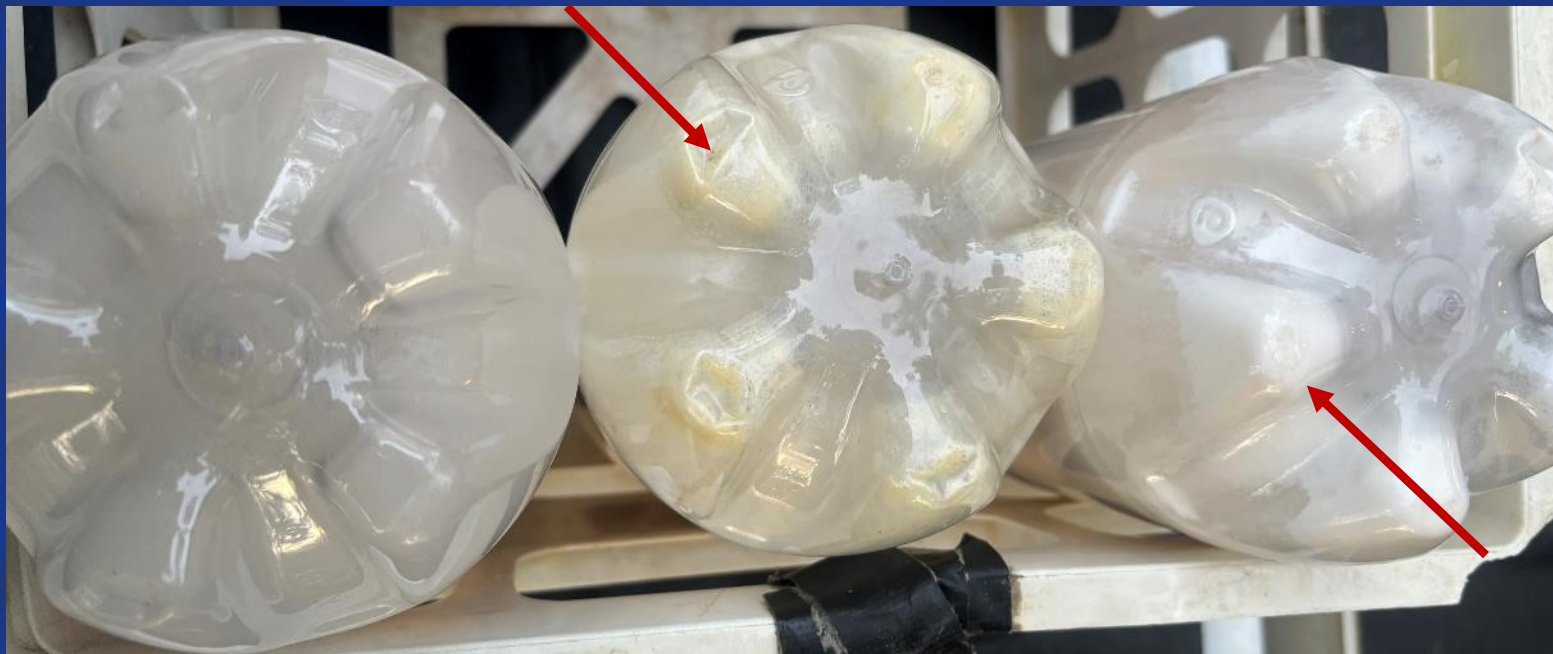


- ✓ May 9, 2018
- ✓ Mixing Sequence Issue
 - ✓ *Atrazine + Halex GT + Interactive + FoamBuster*
 - ✓ *Interactive should have been first*
 - ✓ *10 GPA*

Halex GT + Atrazine with Glyphosate-IPA



Halex GT + Atrazine with Different Glyphosate Formulations



Roundup PowerMax3
(K-salt)

Credit Extreme
(IPA + K-salt)

GlySupreme Extra
(IPA)

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