

Burndown Control of Giant Ragweed

Janesville, WI 2021

Trial Information

Trial Sponsor: Wisconsin Cropping Systems Weed Science

Objective: Evaluate and demonstrate the effectiveness of multiple single active ingredient POST corn and soybean herbicides on giant ragweed

Crop: none

Variety: -

Weed species (pressure): Giant ragweed (moderate-very high)

Herbicide Application(s): POST – 5/26 (1-4” giant ragweed; Avg = 2”)

For the full report see trial #21-ROK-BG04 in the [2021 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON

Burndown Control of Giant Ragweed

Janesville, WI 2021

Trt # Herbicide (rate acre ⁻¹)		Giant Ragweed ^b (%)	
		7 DAT	15 DAT
One-Pass – POST (5/26)			
1	Pursuit (4 fl oz) + COC 1% v/v + AMS (2 lb)	36 g	50 f
2	Classic (0.75 oz) + COC 1% v/v + AMS (2 lb)	40 f	45 g
3	FirstRate (0.3 oz) + COC 1.2% v/v + AMS (2 lb)	34 g	51 f
4	Python (1 oz) + COC 1% v/v + AMS (2 lb)	34 g	51 f
5	XtendiMax (22 fl oz) + Class Act Ridion 1% v/v	73 d	96 ab
6	Enlist One (32 fl oz) + AMS (2 lb)	71 de	95 ab
7	Stinger (6 fl oz)	72 d	85 d
8	Status (5 oz) + NIS 0.25% v/v + AMS (2 lb)	74 d	95 ab
9	AAtrex (2 pt) + COC (1 qt)	91 b	84 d
10	Buctril (1.5 pt)	99 a	96 ab
11	Basagran 5L (1.6 pt) + COC 1% v/v + AMS (2 lb)	96 a	95 b
12	Roundup PowerMAX II (32 fl oz) + AMS (2 lb)	98 a	97 ab
13	Liberty (32 fl oz) + AMS (2 lb)	98 a	99 a
14	Cobra (12.5 fl oz) + COC 1.5 (1.5 pt) + AMS (2 lb)	99 a	99 ab
15	Flexstar (1 pt) + MSO 1% v/v + AMS (2 lb)	99 a	98 ab
16	Cadet (0.9 fl oz) + COC 1% v/v + AMS (2 lb)	81 c	66 e
17	Resource (8 fl oz) + COC (1 qt) + AMS (2 lb)	96 a	90 c
18	Callisto (3 fl oz) + COC 1% v/v + AMS (2 lb)	68 e	84 d
19	Laudis (3 fl oz) + MSO 1% v/v + AMS (2 lb)	72 d	97 ab
20	Armezon (0.75 fl oz) + MSO 1% v/v + AMS (2 lb)	72 d	97 ab
21	Balance Flexx (5 fl oz) + MSO 1% v/v + AMS (2 lb)	72 d	95 b
LSD ($\alpha=0.10$)		3	4
p value		<0.001	<0.001

^aVisual control from 70-100% is illustrated on a color scale with green representing greater weed control values.

^bGiant ragweed control values with the same letter are not significantly different.

Day of
application
(5/26)



Burndown Control of Giant Ragweed

Janesville, WI 2021

Plot pictures taken on 6/2
7 days after application

The number in the upper right-hand corner is the average % giant ragweed control of 4 replications

Some plots contained annual grass and volunteer corn



7 days after POST (6/2)

POST: 0.75 oz Classic + 1% COC + 2 lb AMS

40%



7 days after POST (6/2)

POST: 0.3 oz FirstRate + 1.2% COC + 2 lb AMS

34%



7 days after POST (6/2)

POST: 1 oz Python + 1% COC + 2 lb AMS

34%





7 days after POST (6/2)
POST: 32 fl oz Enlist One + 2 lb AMS

71%



7 days after POST (6/2)
POST: 6 fl oz Stinger

72%



7 days after POST (6/2)
POST: 5 oz Status + 0.25% NIS + 2 lb AMS

74%



7 days after POST (6/2)
POST: 2 pt AAtrex + 1 qt COC

91%



7 days after POST (6/2)
POST: 1.5 pt Buctril

99%



7 days after POST (6/2)

POST: 1.6 pt Basagran + 1% COC + 2 lb AMS

96%



7 days after POST (6/2)

POST: 32 fl oz Roundup PowerMAX + 2 lb AMS

98%



7 days after POST (6/2)
POST: 32 fl oz Liberty + 2 lb AMS

98%



7 days after POST (6/2)

POST: 12.5 fl oz Cobra + 1.5 pt COC + 2 lb AMS

99%



7 days after POST (6/2)

POST: 1 pt Flexstar + 1% COC + 2 lb AMS

99%





7 days after POST (6/2)

POST: 8 fl oz Resource + 1 qt COC + 2 lb AMS

96%



7 days after POST (6/2)

POST: 3 fl oz Callisto + 1% COC + 2 lb AMS

68%





7 days after POST (6/2)
POST: 0.75 fl oz Armezon + 1% MSO + 2 lb AMS

72%



7 days after POST (6/2)

POST: 5 fl oz Balance Flexx + 1% MSO + 2 lb AMS

72%



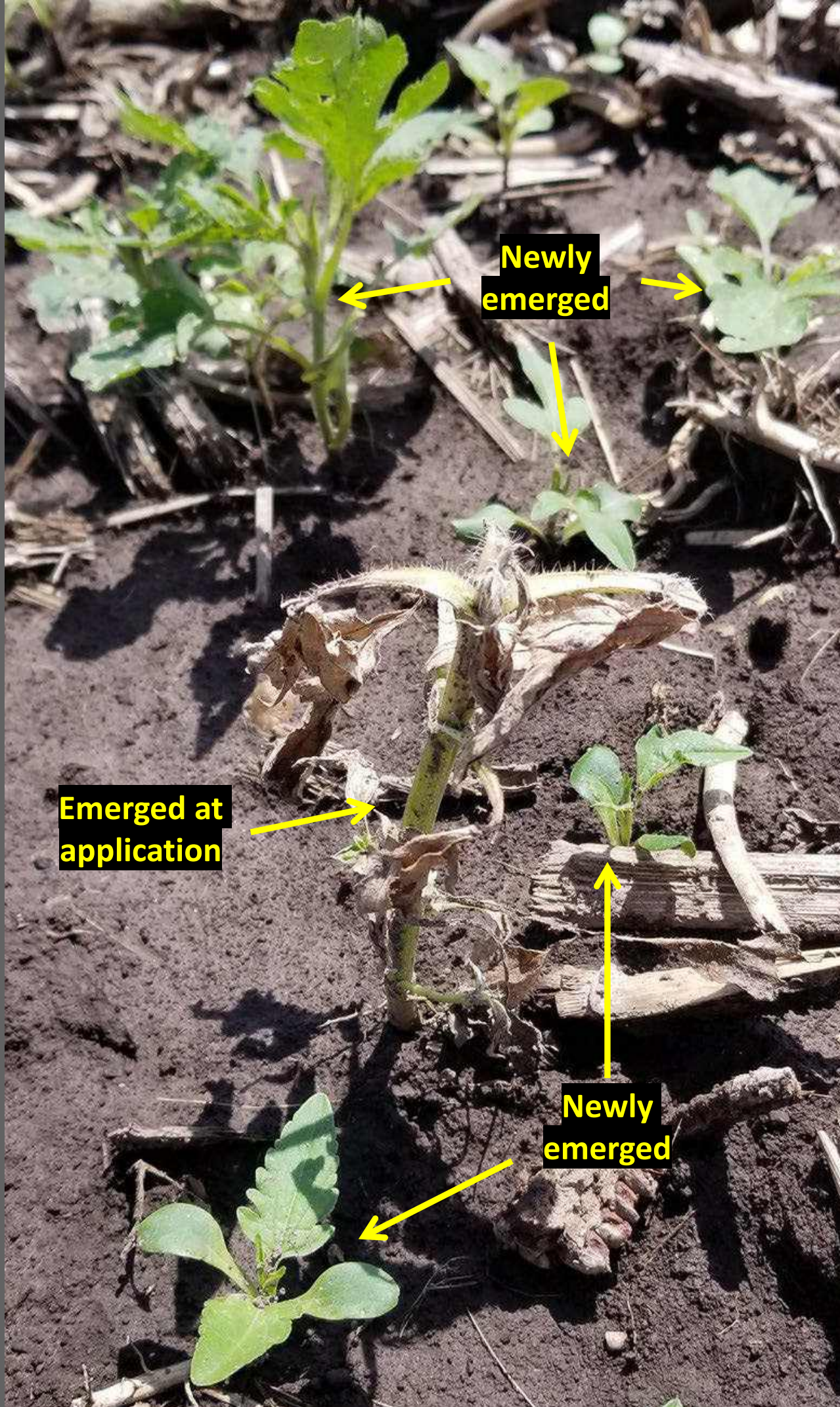
Burndown Control of Giant Ragweed

Janesville, WI 2021

Plot pictures taken on 6/10
15 days after application

The number in the upper right-hand corner is the average % giant ragweed control of 4 replications

Newly emerging giant ragweed seedlings were not included in the control ratings. Only giant ragweed present at the POST application were rated. See photo on next page for illustration.



15 days after POST (6/10)
Untreated Check

0%

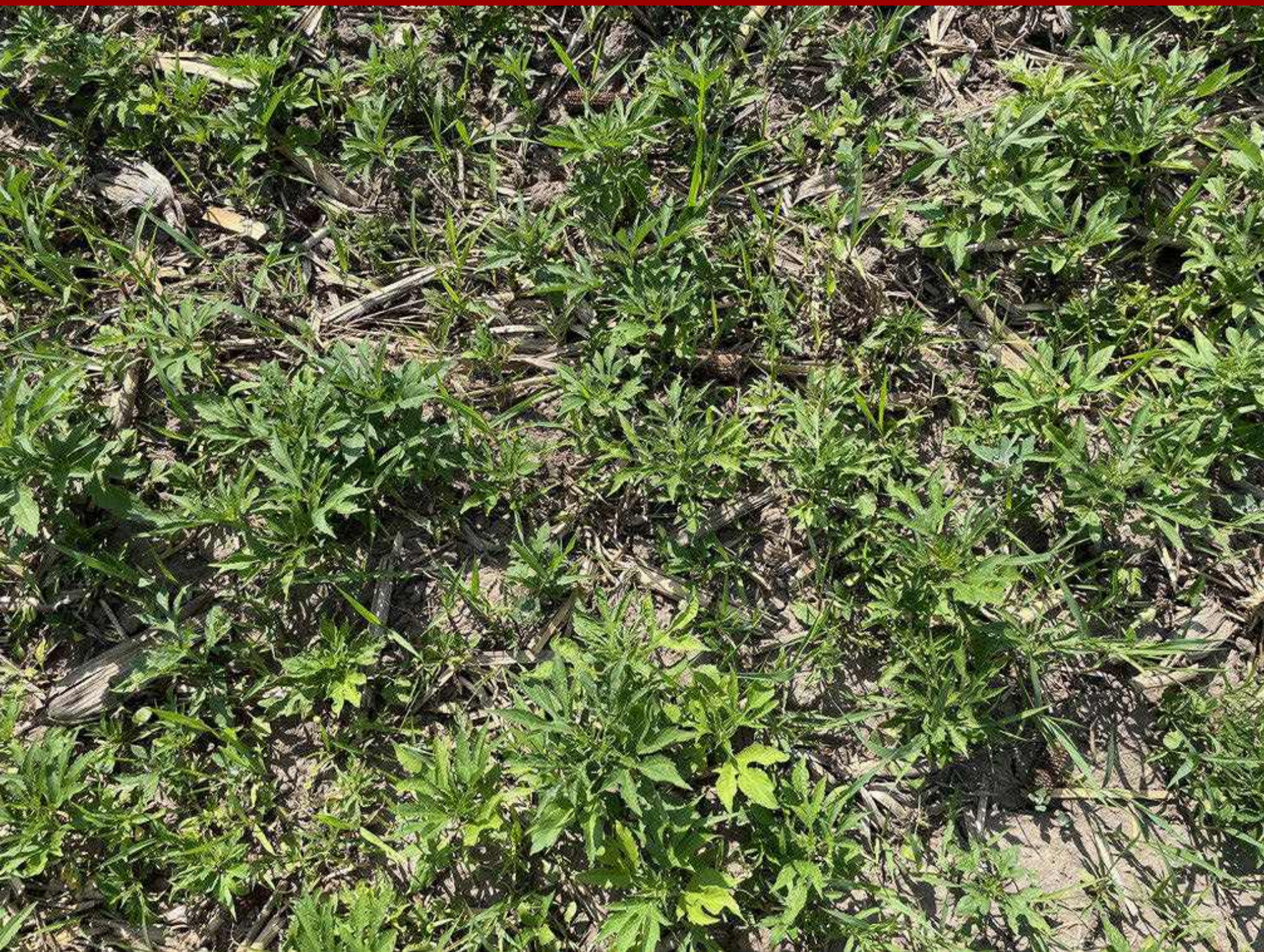




15 days after POST (6/10)

POST: 0.75 oz Classic + 1% COC + 2 lb AMS

45%

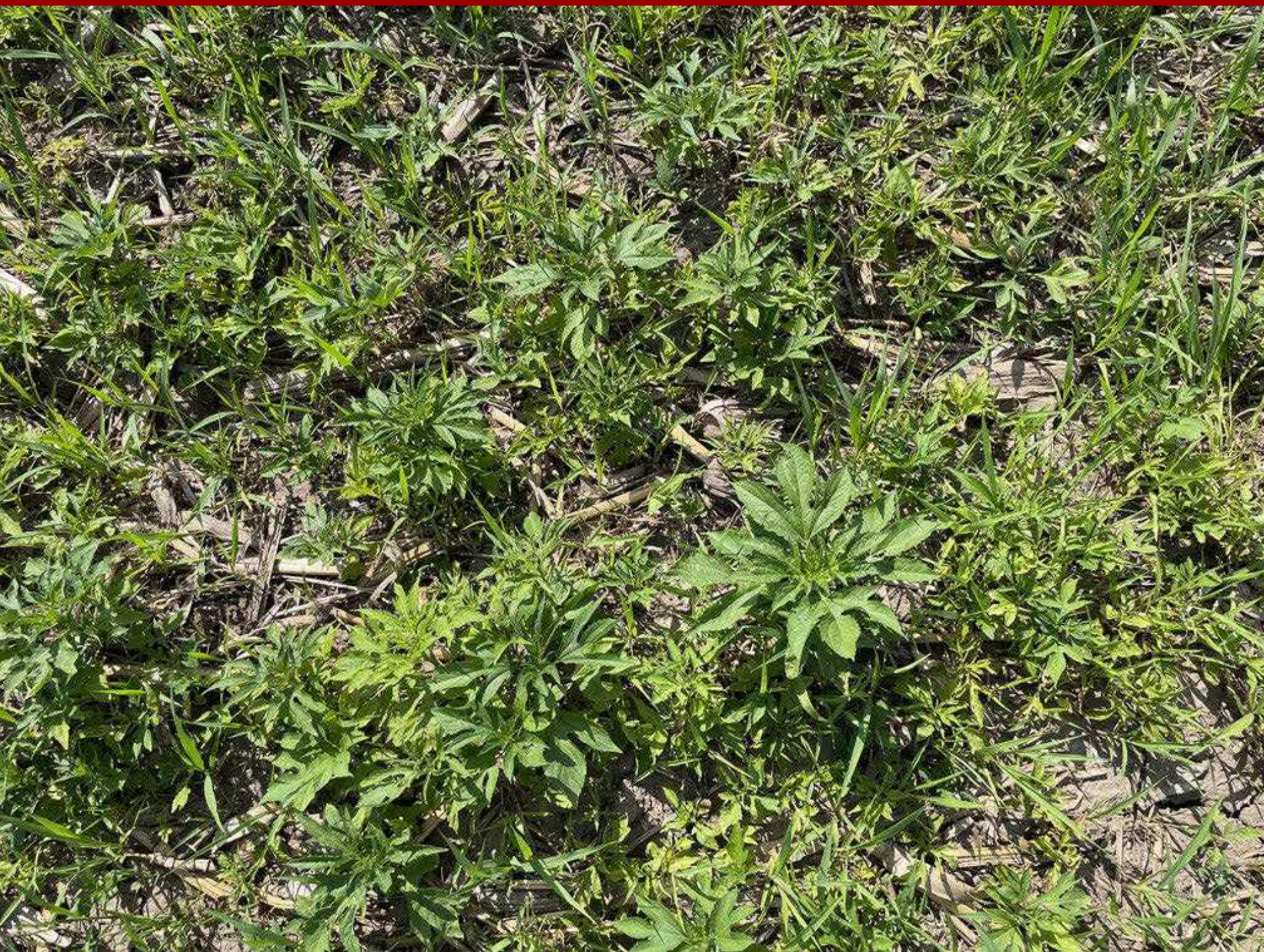




15 days after POST (6/10)

POST: 1 oz Python + 1% COC + 2 lb AMS

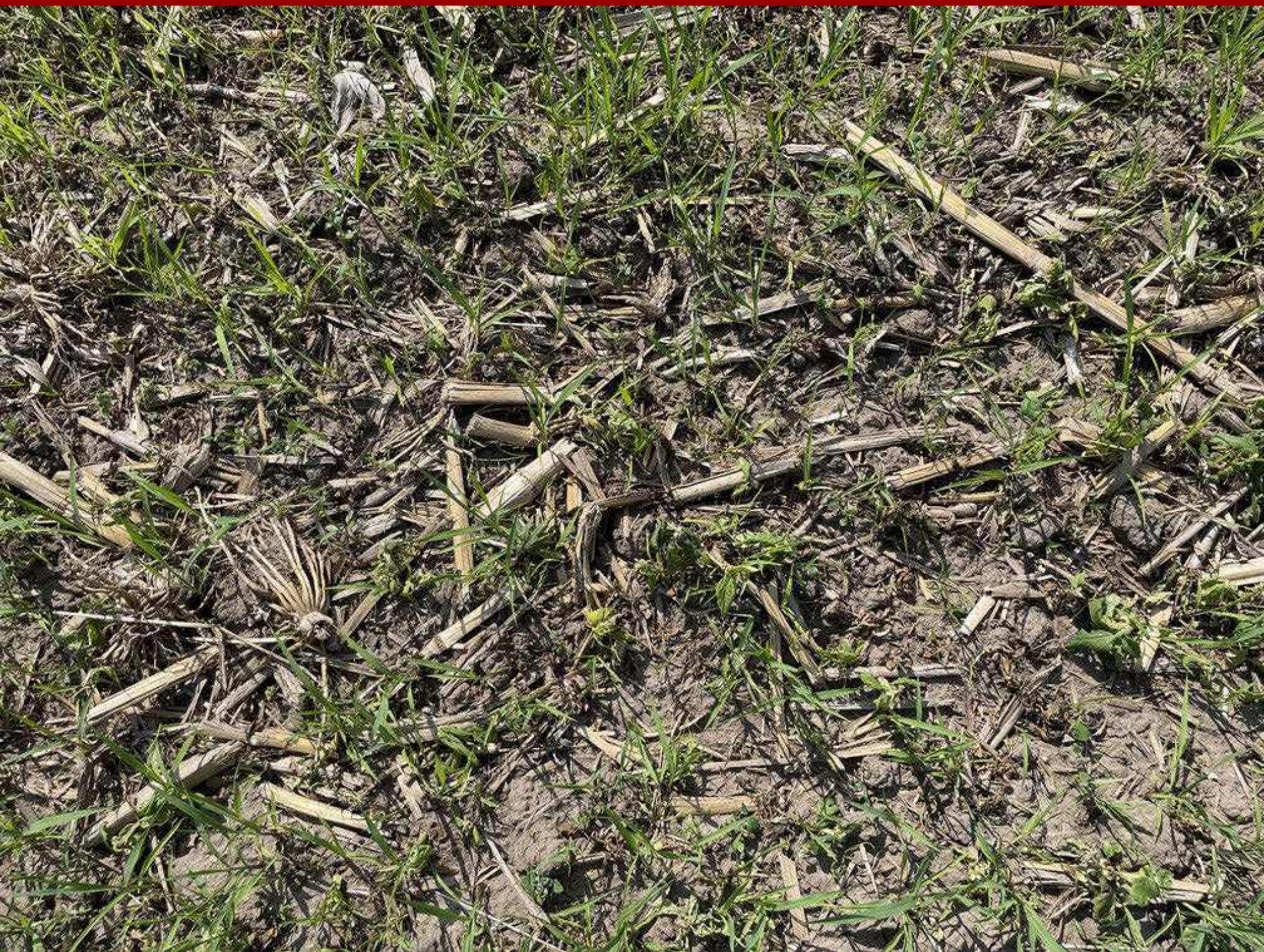
51%



15 days after POST (6/10)

POST: 22 fl oz XtendiMax + 1% Class Act Ridion

96%





15 days after POST (6/10)
POST: 6 fl oz Stinger

85%







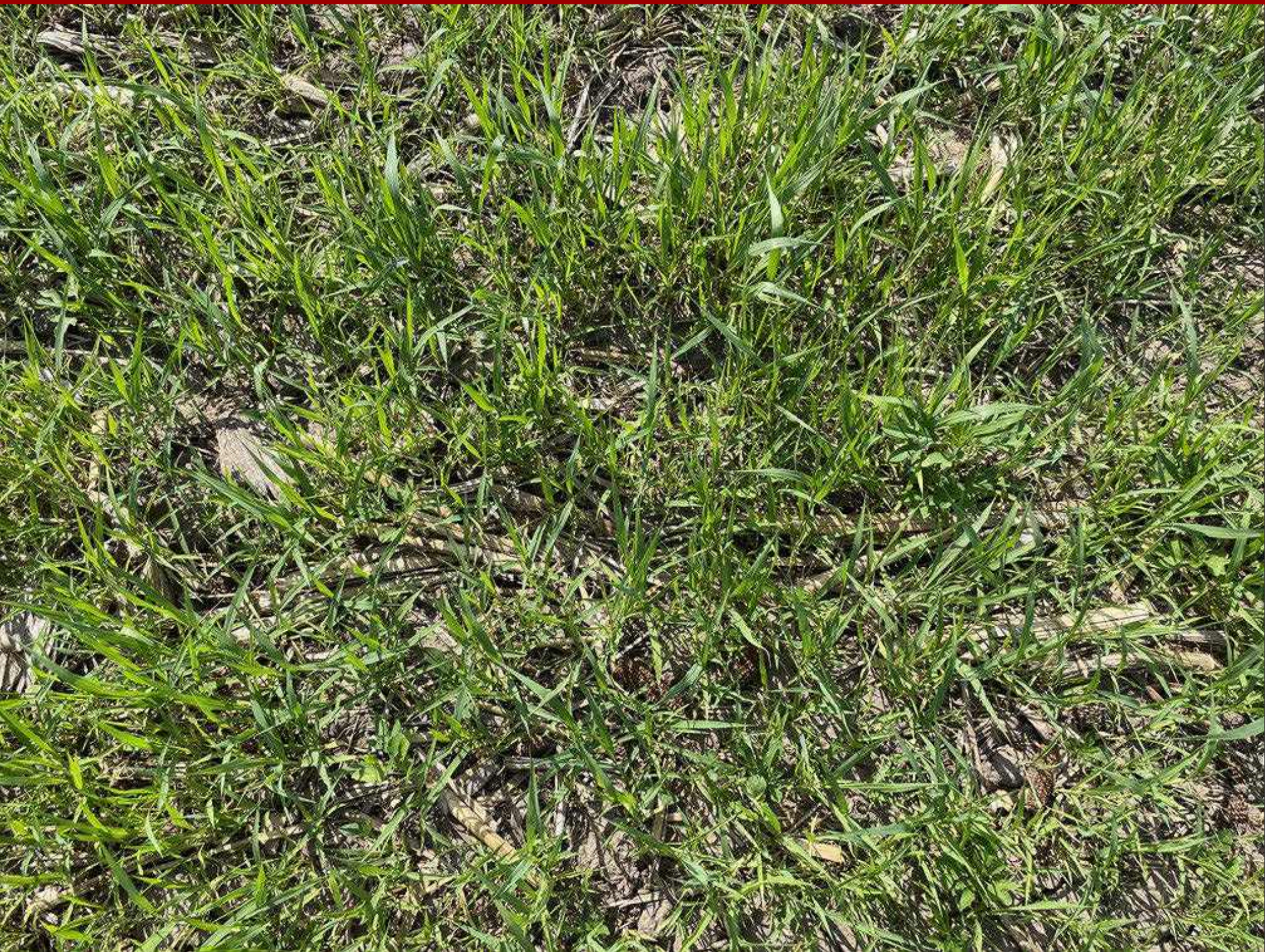
15 days after POST (6/10)
POST: 1.5 pt Buctril

96%



15 days after POST (6/10)
POST: 1.6 pt Basagran 5L + 1% COC + 2 lb AMS

95%







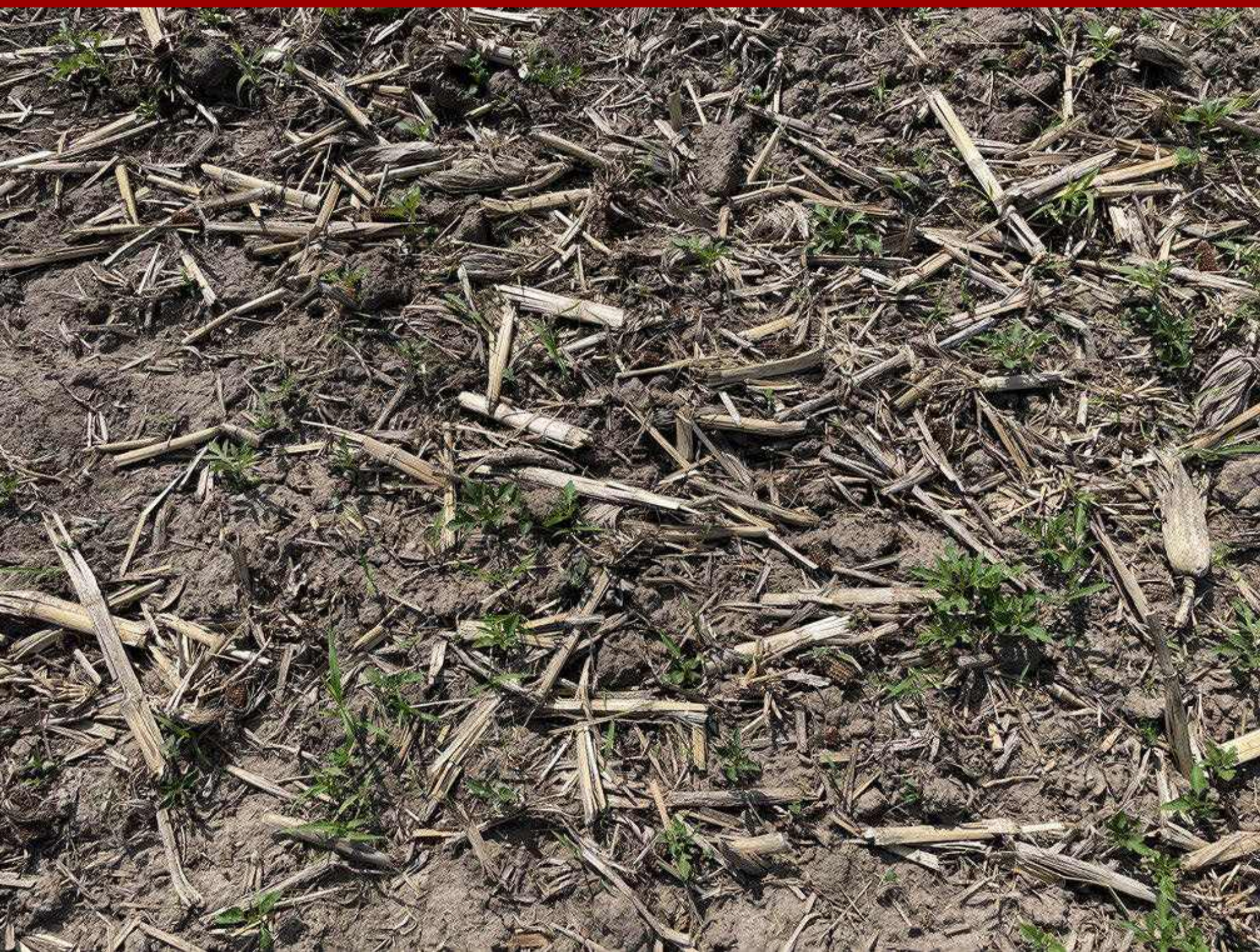
15 days after POST (6/10)

POST: 12.5 fl oz Cobra + 1.5 pt COC + 2 lb AMS

99%



POST: 1 pt Flexstar + 1% COC + 2 lb AMS





15 days after POST (6/10)

POST: 8 fl oz Resource + 1 qt COC + 2 lb AMS

90%





POST: 3 fl oz Laudis + 1% MSO + 2 lb AMS

