

## Weed Management in Conventional Soybean - Study 2.

02-50E-MS70

**OBJECTIVE:** Evaluate various programs for weed control in conventional (non-Roundup Ready) soybean.

**SUMMARY:** The purpose of this study was to compare weed control from numerous herbicide programs in non-Roundup Ready soybean. FirstRate and FirstRate plus Flexstar (13 oz/A) injured soybeans 5 to 7% at 3 days after the 4 to 6" weed herbicide treatments (DAPO). Flexstar at 16 or 20 oz/A caused 12 to 13% soybean injury at 3 DAPO compared to 22% from Raptor and Aim and 23 to 27% from treatments that included Phoenix. Soybean injury generally decreased over time and by 14 DAPO injury was 10% or less from all treatments. All of the herbicide treatments provided excellent control of giant foxtail. Giant ragweed and common cocklebur control was at least 90% from all herbicide treatments except Valor followed by Aim 14 DAPO. FirstRate alone controlled 90% of giant ragweed and common cocklebur at 14 DAPO. Tank mixing Phoenix or Flexstar with FirstRate increased giant ragweed and common cocklebur control to 95% or greater. Ivyleaf morningglory control was at least 95% from all herbicide treatments except Valor followed by Aim and FirstRate alone at 7 DAPO. However, ivyleaf morningglory control generally decreased over time due to regrowth and new emergence with no treatment providing greater than 85% control by 21 DAPO.

### HERBICIDES

AIM 2 EW  
 AUTHORITY 75 WG  
 BOUNDARY 6.5 EC  
 CANOPY XL 56.3 WG  
 CLASSIC 25 WG  
 FIRSTRATE 84 WG  
 FLEXSTAR 1.88 EC  
 FUSION 2.56 EC  
 PHOENIX 2 EC  
 PROWL 3.3 EC  
 RAPTOR 1 AS  
 SELECT 2 EC  
 ULTRA BLAZER 2 SL  
 VALOR 51 WG

### WEEDS

cocklebur, common  
 foxtail, giant  
 morningglory, ivyleaf  
 ragweed, giant

### CROP

soybean

Bryan Young

PLANT, SOIL AND GENERAL AGRICULTURE DEPARTMENT

SOUTHERN ILLINOIS UNIVERSITY

## Weed Management in Conventional Soybean - Study 2.

Project Code: 02-50E-MS70 Location: Belleville Research Center

Investigator: Bryan Young, Assistant Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA  
 Trial Status: Final Updated: 10-31-02

## Objective:

Evaluate various programs for weed control in conventional (non-Roundup Ready) soybean.

Weed Code	Common Name	Scientific Name
1. SETFA	foxtail, giant	Setaria faberi Herrm.
2. AMBTR	ragweed, giant	Ambrosia trifida L.
3. XANST	cocklebur, common	Xanthium strumarium L.
4. IPOHE	morningglory, ivyleaf	Ipomoea hederacea (L.) Jacq.

Crop 1:	GLXMA soybean	Variety:	Asgrow 4602 RR
Planting Method:	Seeded	Planting Date:	6-3-02
Rate:	75 lb/A	Depth:	1.0 IN
Row Spacing:	30 IN		

Plot Width, Unit:	10 FT	Plot Length, Unit:	27 FT	Reps:	3
Tillage Type:	Reduced-Till	Study Design:	Randomized complete block		
Previous Crop, Year:	ZEAMX, 2001				

Field Prep./Maintenance: N 0 LB/A, P205 50 LB/A, K20 200 LB/A

Soil Name:	Weir	% OM:	1.4	pH:	6.9	CEC:	12
Texture:	Silt loam	Fert. Level:	P1: 83 LB/A, K: 181 LB/A				

## APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	6-4-02	6-20-02	6-24-02	6-24-02
Time of Day:	10:30	8:30	13:00	13:00
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	PRE	3"GR	4-6"W-1	4-6"W-2
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	90 F	78 F	88 F	88 F
% Relative Humidity:	48	72	50	50
Wind Velocity, Unit:	5-10 MPH	0-3 MPH	0-3 MPH	0-3 MPH
Soil Moisture:	NORMAL	NORMAL	NORMAL	NORMAL
% Cloud Cover:	15	30	70	70

## CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	GLXMA NA	GLXMA VC	GLXMA V1	GLXMA V1
Height, Unit:	NA NA	4 IN	4-5 IN	4-5 IN

## WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code:		SETFA	SETFA	SETFA
Stage(leaves):		1-3	2-4	2-4
Height(inches):		1-3	2-4	2-4
Density:		Low	Low	Low
Weed 2 Code:		AMBTR	AMBTR	AMBTR
Stage(leaves):		2-4	4-6	4-6
Height(inches):		3-6	4-8	4-8
Density:		High	High	High
Weed 3 Code:		XANST	XANST	XANST
Stage(leaves):		2-4	4-6	4-6
Height(inches):		3-6	3-7	3-7
Density:		Low	Low	Low
Weed 4 Code:		IPOHE	IPOHE	IPOHE
Stage(leaves):		2-6	4-8	4-8
Height(inches):		2-6	2-7	2-7
Density:		Low	Low	Low

## APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	8003	8002	8002	8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA

## NOTES:

This study was not harvested.

Weed Management in Conventional Soybean - Study 2.

Project Code: 02-50E-MS70 Location: Belleville Research Center

Weed Code									SETFA	SETFA	SETFA	AMBTR	AMBTR	AMBTR	XANST	XANST	XANST					
Crop Code									GLXMA	GLXMA	GLXMA											
Rating Data Type									Injury	Injury	Injury											
Rating Unit									Percent	Percent	Percent											
Rating Date									6-27-02	7-1-02	7-8-02	7-1-02	7-8-02	7-15-02	7-1-02	7-8-02	7-15-02					
Trt-Eval Interval									3 DA-D	7 DA-D	14 DA-D	7 DA-D	14 DA-D	21 DA-D	7 DA-D	14 DA-D	21 DA-D					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code													
1	NONTREATED																					
2	BOUNDARY	6.5	EC	1.22	LB A/A	1.5	PT/A	PRE	A	12	14	7	99	99	99	98	93	90	98	98	96	
2	FLEXSTAR	1.88	EC	0.235	LB A/A	16	OZ/A	4-6"W-2	D													
2	FUSION	2.56	EC	0.16	LB A/A	8	OZ/A	4-6"W-2	D													
2	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-2	D													
2	28% UAN	100	LIQ	2.5	% V/V	2.5	%V/V	4-6"W-2	D													
3	BOUNDARY	6.5	EC	1.22	LB A/A	1.5	PT/A	PRE	A	13	15	7	99	99	99	97	90	89	99	96	96	
3	FLEXSTAR	1.88	EC	0.294	LB A/A	20	OZ/A	4-6"W-2	D													
3	FUSION	2.56	EC	0.2	LB A/A	10	OZ/A	4-6"W-2	D													
3	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-2	D													
3	28% UAN	100	LIQ	2.5	% V/V	2.5	%V/V	4-6"W-2	D													
4	PROWL	3.3	EC	1.24	LB A/A	3.0	PT/A	PRE	A	22	23	10	99	99	99	92	93	93	97	95	95	
4	RAPTOR	1	AS	0.0312	LB A/A	4	OZ/A	4-6"W-2	D													
4	ULTRA BLAZER	2	SL	0.187	LB A/A	12	OZ/A	4-6"W-2	D													
4	DESTINY MSO	100	LIQ	1.0	% V/V	1	%V/V	4-6"W-2	D													
4	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-2	D													
5	CANOPY XL	56.3	WG			4.5	OZ/A	PRE	A	23	18	5	98	98	98	98	94	91	99	99	98	
5	->CLASSIC	25	WG	0.0264	LB A/A			PRE	A													
5	->AUTHORITY	75	WG	0.1319	LB A/A			PRE	A													
5	PHOENIX	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-2	D													
5	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-2	D													
5	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-2	D													
6	VALOR	51	WG	0.064	LB A/A	2	OZ/A	PRE	A	22	22	7	99	99	99	70	57	43	75	50	35	
6	AIM	2	EW	0.0039	LB A/A	0.25	OZ/A	4-6"W-2	D													
6	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-2	D													
6	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-2	D													
7	VALOR	51	WG	0.064	LB A/A	2	OZ/A	PRE	A	27	24	7	99	99	99	99	98	96	99	98	95	
7	PHOENIX	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-2	D													
7	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-2	D													
7	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-2	D													
8	PHOENIX	2	EC	0.2	LB A/A	12.8	OZ/A	4-6"W-1	C	25	24	8	99	98	99	99	97	97	99	99	99	
8	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C													
8	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-1	C													
8	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-1	C													

Weed Code									SETFA	SETFA	SETFA	AMBTR	AMBTR	AMBTR	XANST	XANST	XANST
Crop Code									GLXMA	GLXMA	GLXMA						
Rating Data Type									Injury	Injury	Injury	Control	Control	Control	Control	Control	Control
Rating Unit									Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date									6-27-02	7-1-02	7-8-02	7-1-02	7-8-02	7-15-02	7-1-02	7-8-02	7-15-02
Trt-Eval Interval									3 DA-D	7 DA-D	14 DA-D	7 DA-D	14 DA-D	21 DA-D	7 DA-D	14 DA-D	21 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code												
9	PHOENIX	2	EC	0.2	LB A/A	12.8	OZ/A	4-6"W-1	C	23	23	7	98	98	99	99	97	98	99	99	99
9	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C												
9	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-1	C												
9	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-1	C												
9	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-1	C												
10	FLEXSTAR	1.88	EC	0.19	LB A/A	13	OZ/A	4-6"W-1	C	6	6	0	99	99	99	97	97	96	99	99	99
10	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C												
10	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-1	C												
10	PRIME OIL COC	100	LIQ	1.0	PT/A	1	PT/A	4-6"W-1	C												
10	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-1	C												
11	SELECT	2	EC	0.094	LB A/A	6	OZ/A	3"GR	B	20	23	9	99	99	99	99	98	98	99	99	99
11	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	3"GR	B												
11	PHOENIX	2	EC	0.15	LB A/A	9.6	OZ/A	4-6"W-1	C												
11	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C												
11	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-1	C												
12	SELECT	2	EC	0.094	LB A/A	6	OZ/A	3"GR	B	22	24	10	99	99	99	99	98	97	99	99	99
12	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	3"GR	B												
12	PHOENIX	2	EC	0.15	LB A/A	9.6	OZ/A	4-6"W-1	C												
12	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C												
12	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-1	C												
12	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-1	C												
13	SELECT	2	EC	0.094	LB A/A	6	OZ/A	3"GR	B	7	4	0	99	99	99	75	90	91	77	90	99
13	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	3"GR	B												
13	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C												
13	PRIME OIL COC	100	LIQ	1.0	PT/A	1	PT/A	4-6"W-1	C												
13	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-1	C												
14	SELECT	2	EC	0.094	LB A/A	6	OZ/A	3"GR	B	5	4	3	99	99	99	96	95	94	99	99	99
14	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	3"GR	B												
14	FLEXSTAR	1.88	EC	0.19	LB A/A	13	OZ/A	4-6"W-1	C												
14	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C												
14	PRIME OIL COC	100	LIQ	1.0	PT/A	1	PT/A	4-6"W-1	C												
14	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-1	C												
LSD (P=.05)										5.3	3.9	2.7	0.7	0.7	0.7	4.1	5.6	4.2	2.8	5.3	5.3
Replicate F										2.114	1.999	6.867	2.308	0.411	2.308	0.878	1.213	3.521	0.772	1.547	0.361
Replicate Prob(F)										0.1410	0.1558	0.0040	0.1194	0.6675	0.1194	0.4276	0.3137	0.0443	0.4725	0.2325	0.7008
Treatment F										23.307	45.381	15.286	10679.626	12016.379	10678.841	363.133	191.616	369.261	765.008	235.632	275.641
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Weed Code										IPOHE	IPOHE	IPOHE
Crop Code												
Rating Data Type										Control	Control	Control
Rating Unit										Percent	Percent	Percent
Rating Date										7-1-02	7-8-02	7-15-02
Trt-Eval Interval										7 DA-D	14 DA-D	21 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
1	NONTREATED									0	0	0
2	BOUNDARY	6.5	EC	1.22	LB A/A	1.5	PT/A	PRE	A	96	85	58
2	FLEXSTAR	1.88	EC	0.235	LB A/A	16	OZ/A	4-6"W-2	D			
2	FUSION	2.56	EC	0.16	LB A/A	8	OZ/A	4-6"W-2	D			
2	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-2	D			
2	28% UAN	100	LIQ	2.5	% V/V	2.5	%V/V	4-6"W-2	D			
3	BOUNDARY	6.5	EC	1.22	LB A/A	1.5	PT/A	PRE	A	95	78	70
3	FLEXSTAR	1.88	EC	0.294	LB A/A	20	OZ/A	4-6"W-2	D			
3	FUSION	2.56	EC	0.2	LB A/A	10	OZ/A	4-6"W-2	D			
3	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-2	D			
3	28% UAN	100	LIQ	2.5	% V/V	2.5	%V/V	4-6"W-2	D			
4	PROWL	3.3	EC	1.24	LB A/A	3.0	PT/A	PRE	A	98	88	85
4	RAPTOR	1	AS	0.0312	LB A/A	4	OZ/A	4-6"W-2	D			
4	ULTRA BLAZER	2	SL	0.187	LB A/A	12	OZ/A	4-6"W-2	D			
4	DESTINY MSO	100	LIQ	1.0	% V/V	1	%V/V	4-6"W-2	D			
4	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-2	D			
5	CANOPY XL	56.3	WG			4.5	OZ/A	PRE	A	96	77	60
5	->CLASSIC	25	WG	0.0264	LB A/A			PRE	A			
5	->AUTHORITY	75	WG	0.1319	LB A/A			PRE	A			
5	PHOENIX	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-2	D			
5	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-2	D			
5	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-2	D			
6	VALOR	51	WG	0.064	LB A/A	2	OZ/A	PRE	A	85	73	47
6	AIM	2	EW	0.0039	LB A/A	0.25	OZ/A	4-6"W-2	D			
6	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-2	D			
6	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-2	D			
7	VALOR	51	WG	0.064	LB A/A	2	OZ/A	PRE	A	96	76	57
7	PHOENIX	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-2	D			
7	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-2	D			
7	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-2	D			
8	PHOENIX	2	EC	0.2	LB A/A	12.8	OZ/A	4-6"W-1	C	99	88	78
8	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C			
8	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-1	C			
8	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-1	C			
9	PHOENIX	2	EC	0.2	LB A/A	12.8	OZ/A	4-6"W-1	C	99	73	72
9	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C			
9	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-1	C			
9	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-1	C			
9	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-1	C			

Weed Code										IPOHE	IPOHE	IPOHE
Crop Code												
Rating Data Type										Control	Control	Control
Rating Unit										Percent	Percent	Percent
Rating Date										7-1-02	7-8-02	7-15-02
Trt-Eval Interval										7 DA-D	14 DA-D	21 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
10	FLEXSTAR	1.88	EC	0.19	LB A/A	13	OZ/A	4-6"W-1	C	98	94	80
10	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C			
10	SELECT	2	EC	0.125	LB A/A	8	OZ/A	4-6"W-1	C			
10	PRIME OIL COC	100	LIQ	1.0	PT/A	1	PT/A	4-6"W-1	C			
10	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-1	C			
11	SELECT	2	EC	0.094	LB A/A	6	OZ/A	3"GR	B	99	92	80
11	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	3"GR	B			
11	PHOENIX	2	EC	0.15	LB A/A	9.6	OZ/A	4-6"W-1	C			
11	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C			
11	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-1	C			
12	SELECT	2	EC	0.094	LB A/A	6	OZ/A	3"GR	B	98	83	73
12	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	3"GR	B			
12	PHOENIX	2	EC	0.15	LB A/A	9.6	OZ/A	4-6"W-1	C			
12	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C			
12	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-1	C			
12	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-1	C			
13	SELECT	2	EC	0.094	LB A/A	6	OZ/A	3"GR	B	77	82	78
13	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	3"GR	B			
13	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C			
13	PRIME OIL COC	100	LIQ	1.0	PT/A	1	PT/A	4-6"W-1	C			
13	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-1	C			
14	SELECT	2	EC	0.094	LB A/A	6	OZ/A	3"GR	B	99	80	80
14	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	3"GR	B			
14	FLEXSTAR	1.88	EC	0.19	LB A/A	13	OZ/A	4-6"W-1	C			
14	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"W-1	C			
14	PRIME OIL COC	100	LIQ	1.0	PT/A	1	PT/A	4-6"W-1	C			
14	AMS	100	DRY	2.5	LB/A	2.5	LB/A	4-6"W-1	C			
LSD (P=.05)										4.9	18.9	17.5
Replicate F										4.074	6.185	3.831
Replicate Prob(F)										0.0289	0.0063	0.0348
Treatment F										243.801	12.489	13.275
Treatment Prob(F)										0.0001	0.0001	0.0001

Weed Management in Conventional Soybean - Study 2.

Project Code: 02-50E-MS70      Location: Belleville Research Center

Trial Comments

1. Protocol: Syngenta (2-3); BASF (4); DuPont (5); FMC (6); Valent (7-14).
2. Application timings 4-6"W-1 and 4-6"W-2 are 4 to 6 inch weeds for POST only, and PRE/POST treatments, respectively.
3. DA-D = days after 4-6"W-2 application.
4. Ratings at 3, 7, 14, and 21 days after 4-6"W-2 application were also 3, 7, 14, and 21 days after 4-6"W-1 application, respectively.