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Weed management in snap beans.

Trial ID: Veg16-05(snap) Study Dir.: Stanley Culpepper
Location: Attapulgus (30) Investigator: Stanley Culpepper

Reps: 4 Plots: 12 by 25 feet
Spray vol: 14.8 gal/ac Mix size: 2 liters (min 1.5434)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep 1	2	3	4
1	Non-treated								101	213	307	409
2	Sandea	75	DF	0.75	oz/a	PRE	B	0.759 g/mx	102	221	312	411
3	Sandea	75	DF	0.75	oz/a	POST-3T	C	0.759 g/mx	103	211	321	423
	NIS		L	0.25	% v/v	POST-3T	C	4.999 ml/mx				
4	Reflex	2	L	1	pt/a	PRE	B	16.89 ml/mx	104	209	314	406
5	Reflex	2	L	1	pt/a	POST-3T	C	16.89 ml/mx	105	206	303	408
	NIS		L	0.25	% v/v	POST-3T	C	4.999 ml/mx				
6	Reflex	2	L	1.5	pt/a	PRE	B	25.34 ml/mx	106	215	318	416
7	Reflex	2	L	1.5	pt/a	POST-3T	C	25.34 ml/mx	107	208	322	413
	NIS		L	0.25	% v/v	POST-3T	C	4.999 ml/mx				
8	Eptam (3 in incorp)	7	E	3.5	pt/a	PPI	A	59.12 ml/mx	108	202	320	404
9	Eptam	7	E	3.5	pt/a	PRE	B	59.12 ml/mx	109	219	308	402
10	Dual Magnum	7.64	L	1	pt/a	PPI	A	16.89 ml/mx	110	218	311	415
11	Dual Magnum	7.64	L	1	pt/a	PRE	B	16.89 ml/mx	111	205	324	401
12	Eptam (3 in incorp)	7	E	3.5	pt/a	PPI	A	59.12 ml/mx	112	207	313	422
	Sandea	75	DF	0.75	oz/a	POST-3T	C	0.759 g/mx				
	NIS		L	0.25	% v/v	POST-3T	C	4.999 ml/mx				
13	Eptam (1 in incorp)	7	E	3.5	pt/a	PPI	A	59.12 ml/mx	113	203	323	414
	Sandea	75	DF	0.75	oz/a	POST-3T	C	0.759 g/mx				
	NIS		L	0.25	% v/v	POST-3T	C	4.999 ml/mx				
14	Eptam (1 in incorp)	7.64	L	3.5	pt/a	PPI	A	59.12 ml/mx	114	222	315	410
	Sandea (1 in incorp)	75	DF	0.75	oz/a	PPI	A	0.759 g/mx				
15	Eptam (3 in incorp)	7.64	L	3.5	pt/a	PPI	A	59.12 ml/mx	115	214	309	407
	Sandea (3 in incorp)	75	DF	0.75	oz/a	PPI	A	0.759 g/mx				
16	Targa	0.88	E	8	oz/a	POST-3T	C	8.446 ml/mx	116	204	306	420
	NIS		L	0.25	% v/v	POST-3T	C	4.999 ml/mx				
17	Targa	0.88	E	10	oz/a	POST-3T	C	10.56 ml/mx	117	220	317	403
	NIS		L	0.25	% v/v	POST-3T	C	4.999 ml/mx				
18	Targa	0.88	E	8	oz/a	POST-3T	C	8.446 ml/mx	118	216	305	424
	NIS		L	0.25	% v/v	POST-3T	C	4.999 ml/mx				
	Sandea	75	DF	0.75	oz/a	POST-3T	C	0.759 g/mx				
19	Targa	0.88	E	8	oz/a	POST-3T	C	8.446 ml/mx	119	217	301	418
	COC		L	1	% v/v	POST-3T	C	20.0 ml/mx				
	Basagran	4	L	1.5	pt/a	POST-3T	C	25.34 ml/mx				
20	Targa	0.88	E	8	oz/a	POST-3T	C	8.446 ml/mx	120	224	316	421
	NIS		L	0.25	% v/v	POST-3T	C	4.999 ml/mx				
	Basagran	4	L	1.5	pt/a	POST-3T	C	25.34 ml/mx				
	Sandea	75	DF	0.75	oz/a	POST-3T	C	0.759 g/mx				
21	Dual Magnum	7.64	L	1	pt/a	PRE	B	16.89 ml/mx	121	223	319	412
	Targa	0.88	E	8	oz/a	POST-3T	C	8.446 ml/mx				
	NIS		L	0.25	% v/v	POST-3T	C	4.999 ml/mx				
22	Dual Magnum	7.64	L	1	pt/a	PRE	B	16.89 ml/mx	122	212	302	417
	Select	2	EC	6	oz/a	POST-3T	C	6.334 ml/mx				
	COC		L	1	% v/v	POST-3T	C	20.0 ml/mx				
23	Dual Magnum	7.64	L	1	pt/a	PRE	B	16.89 ml/mx	123	210	304	419
	Targa	0.88	E	8	oz/a	POST-3T	C	8.446 ml/mx				
	NIS		L	0.25	% v/v	POST-3T	C	4.999 ml/mx				
	Sandea	75	DF	0.75	oz/a	POST-3T	C	0.759 g/mx				

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Reps: 4 Plots: 12 by 25 feet
Spray vol: 14.8 gal/ac Mix size: 2 liters (min 1.5434)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Plot No. By Rep 1	2	3	4
24	Dual Magnum	7.64	L	1	pt/a	PRE	B	16.89 ml/mx	124	201	310	405
	Select	2	EC	6	oz/a	POST-3T	C	6.334 ml/mx				
	COC		L	1	% v/v	POST-3T	C	20.0 ml/mx				
	Sandea	75	DF	0.75	oz/a	POST-3T	C	0.759 g/mx				

Sort Order: Treatment

Product quantities required for listed treatments and applications in one trial:

Amount*	Unit	Treatment Name	Lot Code
7.590	g	Sandea 75 DF	
68.743	ml	NIS L	
105.563	ml	Reflex 2 L	
147.788	ml	Eptam (3 in incorp) 7 E	
73.894	ml	Eptam 7 E	
126.676	ml	Dual Magnum 7.64 L	
73.894	ml	Eptam (1 in incorp) 7 E	
73.894	ml	Eptam (1 in incorp) 7.64 L	
0.949	g	Sandea (1 in incorp) 75 DF	
73.894	ml	Eptam (3 in incorp) 7.64 L	
0.949	g	Sandea (3 in incorp) 75 DF	
76.542	ml	Targa 0.88 E	
74.992	ml	COC L	
63.338	ml	Basagran 4 L	
15.836	ml	Select 2 EC	

* 'Per area' calculations based on spray volume= 14.8 gal/ac, mix size= 2 liters (mix size basis).
* Product amount calculations increased 25 % for overage adjustment.
* 'Per volume' calculations use spray volume= 14.8 gal/ac, mix size= 2 liters.

Trial Comments

OBJECTIVE: Evaluate Eptam, Sandea, and Reflex in snap beans.

VISUAL CROP RESPONSE:
1. Soil applied herbicides did not cause significant injury.
2. Dew was present at time of application and Sandea and Reflex applied post injured the crop 18 to 26% at 5 DAT. Sandea tank mixtures were no more injurious than Sandea alone.
3. By 11 DAT, snap bean had recovered nicely from the initial POST injury.
4. Injury from Sandea was chlorosis while injury from Reflex was leaf necrosis.

HEIGHT MEASUREMENTS (10 plants per plot of Charon snap bean):
1. POST applications of Sandea alone and with nearly all mixtures reduced plant heights by at least 15% at 7 DAT. Similar results were noted with Reflex at 1.5 pt/A.

WEED RESPONSE:
Texas Panicum:
1. Dual, Reflex, and Sandea provided poor control.
2. Eptam PRE was far less effective than Eptam PPI which provided only fair control.
3. Targa and Select provided excellent control.
4. Targa tank mixtures provided excellent control except Targa + Basagran. Although initial ratings showed excellent control, regrowth was quite prevalent by 23 DAT. Although control with Targa + Sandea was excellent there was usually at least 1 larger plant per plot that had some level of regrowth by 23 DAT.

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Bristly Starbur:
1. Sandea PRE, Eptam, Dual, Targa, and Select provided poor control.
2. Reflex at 1 pt/A POST was more effective than PRE and increasing the rate of Reflex to 1.5 pt/A greatly improved control PRE.
3. Sandea POST provided excellent control.

Florida beggarweed, carpetweed, and Florida pusley:
1. It was extremely difficult to rate these weeds as the panicum and Starbur dominated the plots so results are extremely variable.
2. For beggarweed, Sandea and Dual PRE provided fair to good control while Sandea POST appeared to provide excellent control.
3. For carpetweed, neither Sandea PRE nor POST was extremely effective while Reflex, Eptam, and Dual seemed to provide good to excellent control.
4. For pusley, Eptam treatments provided excellent control. Results from Dual were variable while Sandea PRE provided fair control with Sandea POST providing poor control. Reflex POST appeared to provide good to excellent control.

GENERAL COMMENTS:
1. Each plot had one row of Bronco and one row of Charon snap beans. No differences among cultivars were noted so only one injury rating was measured.

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Weed management in snap beans.

Trial ID: Veg16-05(snap) Study Dir.: Stanley Culpepper
Location: Attapulgus (30) Investigator: Stanley Culpepper

Trt No.	Treatment Name	Rate	Rate Unit	1	2	3	4	5	6	7	8
Weed Code						PANTE	PANTE	ACNHI	ACNHI	DEDTO	MOLVE
Crop Code				snapbean	snapbean						
Rating Data Type				injury	injury	control	control	control	control	control	control
Rating Unit				percent	percent	percent	percent	percent	percent	percent	percent
Rating Date				May-29-05	Jun-03-05	Jun-03-05	Jun-16-05	Jun-03-05	Jun-16-05	Jun-03-05	Jun-03-05
Trt-Eval Interval				34 DA-A	46 DA-A	46 DA-A	59 DA-A	46 DA-A	59 DA-A	46 DA-A	46 DA-A
ARM Action Codes											
# Subsamples, Dec.											
1	Non-treated			0	0	0	0	0	0	0	0
2	Sandea	0.75	oz/a	3	2	21	5	73	69	80	77
3	Sandea	0.75	oz/a	24	4	0	0	96	93	96	58
	NIS	0.25	% v/v								
4	Reflex	1	pt/a	1	0	60	34	80	28	72	80
5	Reflex	1	pt/a	18	3	24	0	85	85	65	98
	NIS	0.25	% v/v								
6	Reflex	1.5	pt/a	0	2	80	58	96	82	74	96
7	Reflex	1.5	pt/a	26	6	30	18	92	93	74	98
	NIS	0.25	% v/v								
8	Eptam (3 in incorp)	3.5	pt/a	1	0	81	65	20	0	83	96
9	Eptam	3.5	pt/a	0	1	49	27	20	0	89	93
10	Dual Magnum	1	pt/a	0	1	26	13	24	0	78	91
11	Dual Magnum	1	pt/a	1	1	31	0	23	11	86	86
12	Eptam (3 in incorp)	3.5	pt/a	28	5	82	52	98	96	97	97
	Sandea	0.75	oz/a								
	NIS	0.25	% v/v								
13	Eptam (1 in incorp)	3.5	pt/a	26	5	81	56	98	94	97	98
	Sandea	0.75	oz/a								
	NIS	0.25	% v/v								
14	Eptam (1 in incorp)	3.5	pt/a	3	1	82	56	88	63	87	99
	Sandea (1 in incorp)	0.75	oz/a								
15	Eptam (3 in incorp)	3.5	pt/a	4	2	81	53	90	61	96	98
	Sandea (3 in incorp)	0.75	oz/a								
16	Targa	8	oz/a	0	0	99	97	0	0	0	0
	NIS	0.25	% v/v								
17	Targa	10	oz/a	1	0	99	99	0	0	0	0
	NIS	0.25	% v/v								
18	Targa	8	oz/a	25	8	97	94	99	95	98	40
	NIS	0.25	% v/v								
	Sandea	0.75	oz/a								
19	Targa	8	oz/a	9	5	99	93	96	83	66	16
	COC	1	% v/v								
	Basagran	1.5	pt/a								
20	Targa	8	oz/a	26	8	95	74	98	97	94	70
	NIS	0.25	% v/v								
	Basagran	1.5	pt/a								
	Sandea	0.75	oz/a								
21	Dual Magnum	1	pt/a	2	0	98	94	10	3	78	88
	Targa	8	oz/a								
	NIS	0.25	% v/v								

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Weed Code						PANTE	PANTE	ACNHI	ACNHI	DEDTO	MOLVE
Crop Code				snapbean	snapbean						
Rating Data Type				injury	injury	control	control	control	control	control	control
Rating Unit				percent	percent	percent	percent	percent	percent	percent	percent
Rating Date				May-29-05	Jun-03-05	Jun-03-05	Jun-16-05	Jun-03-05	Jun-16-05	Jun-03-05	Jun-03-05
Trt-Eval Interval				34 DA-A	46 DA-A	46 DA-A	59 DA-A	46 DA-A	59 DA-A	46 DA-A	46 DA-A
ARM Action Codes											
# Subsamples, Dec.											
Trt No.	Treatment Name	Rate	Rate Unit	1	2	3	4	5	6	7	8
22	Dual Magnum	1	pt/a	0	0	99	98	5	1	78	82
	Select	6	oz/a								
	COC	1	% v/v								
23	Dual Magnum	1	pt/a	24	7	99	91	99	98	99	92
	Targa	8	oz/a								
	NIS	0.25	% v/v								
	Sandea	0.75	oz/a								
24	Dual Magnum	1	pt/a	25	11	98	98	99	98	99	93
	Select	6	oz/a								
	COC	1	% v/v								
	Sandea	0.75	oz/a								
LSD (P=.05)				4.0	4.7	7.1	8.2	9.9	10.4	24.7	21.6
Standard Deviation				2.8	3.3	5.0	5.8	7.0	7.3	17.5	15.3
CV				27.72	112.08	7.45	10.92	11.3	14.09	23.55	21.02

Means followed by same letter do not significantly differ (P=.05, LSD)

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Trt No.	Treatment Name	Rate	Rate Unit	RCHSC	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7
Weed Code											
Crop Code					snapbean	snapbean	snapbean	snapbean	snapbean	snapbean	snapbean
Rating Data Type				control	ht	ht	ht	ht	ht	ht	ht
Rating Unit				percent	cm	cm	cm	cm	cm	cm	cm
Rating Date				Jun-03-05	Jun-01-05	Jun-01-05	Jun-01-05	Jun-01-05	Jun-01-05	Jun-01-05	Jun-01-05
Trt-Eval Interval				46 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A
ARM Action Codes											
# Subsamples, Dec.											
				9	10	11	12	13	14	15	16
1	Non-treated			0	25	28	26	25	28	25	25
2	Sandea	0.75	oz/a	79	23	22	25	22	23	24	24
3	Sandea	0.75	oz/a	48	21	21	24	23	21	22	21
	NIS	0.25	% v/v								
4	Reflex	1	pt/a	51	24	25	25	25	22	24	24
5	Reflex	1	pt/a	94	26	24	23	22	23	23	23
	NIS	0.25	% v/v								
6	Reflex	1.5	pt/a	56	25	26	22	26	25	24	26
7	Reflex	1.5	pt/a	95	20	20	20	22	21	24	23
	NIS	0.25	% v/v								
8	Eptam (3 in incorp)	3.5	pt/a	96	26	23	22	20	19	22	24
9	Eptam	3.5	pt/a	94	26	26	25	25	25	25	25
10	Dual Magnum	1	pt/a	95	23	23	24	21	23	24	24
11	Dual Magnum	1	pt/a	89	29	26	26	25	26	23	27
12	Eptam (3 in incorp)	3.5	pt/a	95	22	22	20	22	19	19	21
	Sandea	0.75	oz/a								
	NIS	0.25	% v/v								
13	Eptam (1 in incorp)	3.5	pt/a	92	21	20	22	22	24	23	22
	Sandea	0.75	oz/a								
	NIS	0.25	% v/v								
14	Eptam (1 in incorp)	3.5	pt/a	94	22	22	24	21	20	21	24
	Sandea (1 in incorp)	0.75	oz/a								
15	Eptam (3 in incorp)	3.5	pt/a	96	23	22	21	21	20	20	22
	Sandea (3 in incorp)	0.75	oz/a								
16	Targa	8	oz/a	0	27	24	25	23	25	23	28
	NIS	0.25	% v/v								
17	Targa	10	oz/a	0	22	20	23	23	23	22	22
	NIS	0.25	% v/v								
18	Targa	8	oz/a	44	20	20	19	18	18	19	19
	NIS	0.25	% v/v								
	Sandea	0.75	oz/a								
19	Targa	8	oz/a	39	22	23	21	21	19	19	19
	COC	1	% v/v								
	Basagran	1.5	pt/a								
20	Targa	8	oz/a	64	19	18	17	18	16	17	16
	NIS	0.25	% v/v								
	Basagran	1.5	pt/a								
	Sandea	0.75	oz/a								
21	Dual Magnum	1	pt/a	73	29	29	27	27	27	31	29
	Targa	8	oz/a								
	NIS	0.25	% v/v								
22	Dual Magnum	1	pt/a	81	25	23	23	25	22	25	26
	Select	6	oz/a								
	COC	1	% v/v								
23	Dual Magnum	1	pt/a	89	21	22	22	23	22	24	24
	Targa	8	oz/a								
	NIS	0.25	% v/v								
	Sandea	0.75	oz/a								

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Weed Code			RCHSC	plant 1	plant 2	plant 3	plant 4	plant 5	plant 6	plant 7
Crop Code				snapbean	snapbean	snapbean	snapbean	snapbean	snapbean	snapbean
Rating Data Type			control	ht	ht	ht	ht	ht	ht	ht
Rating Unit			percent	cm	cm	cm	cm	cm	cm	cm
Rating Date			Jun-03-05	Jun-01-05	Jun-01-05	Jun-01-05	Jun-01-05	Jun-01-05	Jun-01-05	Jun-01-05
Trt-Eval Interval			46 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A	44 DA-A
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Rate Unit	9	10	11	12	13	14	15	16
24	Dual Magnum	1	pt/a	89	22	19	18	19	20	22	20
	Select	6	oz/a								
	COC	1	% v/v								
	Sandea	0.75	oz/a								
LSD (P=.05)				19.1	5.7	4.9	5.1	5.9	5.4	5.9	4.9
Standard Deviation				13.5	4.0	3.5	3.6	4.2	3.8	4.2	3.4
CV				19.64	17.27	15.3	16.13	18.7	17.4	18.61	14.87

Means followed by same letter do not significantly differ (P=.05, LSD)

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Trt No.	Treatment Name	Rate	Rate Unit	plant 8 snapbean ht cm Jun-01-05 44 DA-A 17	plant 9 snapbean ht cm Jun-01-05 44 DA-A 18	plant 10 snapbean ht cm Jun-01-05 44 DA-A 19	Avg10pla snapbean ht cm Jun-01-05 44 DA-A T1 1 20
1	Non-treated			24	24	25	25.3
2	Sandea	0.75	oz/a	22	21	24	22.9
3	Sandea	0.75	oz/a	21	22	18	21.2
	NIS	0.25	% v/v				
4	Reflex	1	pt/a	23	25	26	24.2
5	Reflex	1	pt/a	23	23	23	23.1
	NIS	0.25	% v/v				
6	Reflex	1.5	pt/a	26	25	25	24.8
7	Reflex	1.5	pt/a	19	21	23	21.2
	NIS	0.25	% v/v				
8	Eptam (3 in incorp)	3.5	pt/a	24	23	25	22.7
9	Eptam	3.5	pt/a	25	24	23	24.9
10	Dual Magnum	1	pt/a	23	24	21	23.0
11	Dual Magnum	1	pt/a	26	28	25	26.1
12	Eptam (3 in incorp)	3.5	pt/a	22	24	21	21.1
	Sandea	0.75	oz/a				
	NIS	0.25	% v/v				
13	Eptam (1 in incorp)	3.5	pt/a	20	20	19	21.2
	Sandea	0.75	oz/a				
	NIS	0.25	% v/v				
14	Eptam (1 in incorp)	3.5	pt/a	23	22	23	22.2
	Sandea (1 in incorp)	0.75	oz/a				
15	Eptam (3 in incorp)	3.5	pt/a	22	21	22	21.3
	Sandea (3 in incorp)	0.75	oz/a				
16	Targa	8	oz/a	26	25	22	24.6
	NIS	0.25	% v/v				
17	Targa	10	oz/a	24	22	22	22.2
	NIS	0.25	% v/v				
18	Targa	8	oz/a	21	18	17	18.7
	NIS	0.25	% v/v				
	Sandea	0.75	oz/a				
19	Targa	8	oz/a	21	21	23	20.9
	COC	1	% v/v				
	Basagran	1.5	pt/a				
20	Targa	8	oz/a	19	20	20	17.7
	NIS	0.25	% v/v				
	Basagran	1.5	pt/a				
	Sandea	0.75	oz/a				
21	Dual Magnum	1	pt/a	31	28	30	28.8
	Targa	8	oz/a				
	NIS	0.25	% v/v				
22	Dual Magnum	1	pt/a	25	25	26	24.3
	Select	6	oz/a				
	COC	1	% v/v				
23	Dual Magnum	1	pt/a	23	21	23	22.3
	Targa	8	oz/a				
	NIS	0.25	% v/v				
	Sandea	0.75	oz/a				

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Weed Code				plant 8	plant 9	plant 10	Avg10pla
Crop Code				snapbean	snapbean	snapbean	snapbean
Rating Data Type				ht	ht	ht	ht
Rating Unit				cm	cm	cm	cm
Rating Date				Jun-01-05	Jun-01-05	Jun-01-05	Jun-01-05
Trt-Eval Interval				44 DA-A	44 DA-A	44 DA-A	44 DA-A
ARM Action Codes							T1
# Subsamples, Dec.							1
Trt No.	Treatment Name	Rate	Rate Unit	17	18	19	20
24	Dual Magnum	1	pt/a	20	20	21	20.0
	Select	6	oz/a				
	COC	1	% v/v				
	Sandea	0.75	oz/a				
LSD (P=.05)				4.9	4.6	4.2	3.87
Standard Deviation				3.5	3.3	3.0	2.73
CV				15.1	14.52	13.19	12.05

Means followed by same letter do not significantly differ (P=.05, LSD)

Column 20: T1 = @AVG([10].[19])

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Weed management in snap beans.

Trial ID: Veg16-05(snap) Study Dir.: Stanley Culpepper
Location: Attapulgus (30) Investigator: Stanley Culpepper

GENERAL TRIAL INFORMATION

Study Director: Stanley Culpepper **Title:** Ext. Weed Science
Affiliation: Univ. of Georgia
Postal Code: 31794

Investigator: Stanley Culpepper **Title:** Ext. Weed Science
Affiliation: Univ. of Georgia
Postal Code: 31794

TRIAL LOCATION

City: Attapulgus **Trial Status:** completed
State/Prov.: GA **Trial Reliability:** good
Postal Code: 31794 **Initiation Date:** Apr-18-05
Country: USA **Planned Completion Date:** _____
E-Longitude of LL Corner °: _____ **N-Latitude of LL Corner °:** _____
Altitude of LL Corner: _____ **Unit:** _____ **Angle y-axis to North °:** _____
Directions:

COOPERATOR/LANDOWNER

Cooperator: _____ **Country:** _____
Org: _____ **Phone No:** _____
Address 1: _____ **Fax No:** _____
Address 2: _____
City: _____
State/Prov: _____
Postal Code: _____

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N
Guidelines: _____ **Guideline Description:** _____

Objective:

Conclusions:

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	PANTE	Texas panicum	
2.	ACNHI	bristly starbur	
3.	DEDTO	Florida beggarweed	
4.	MOLVE	carpetweed	
5.	RCHSC	Florida pusley	

Crop 1: PHSVN BEAN, SNAP **Variety:** Bronoco,Charon
Planting Date: Apr-18-05 **Planting Method:** seeded
Rate: 6 per ft **Depth:** 0.5 in **Perennial Age:** ____ _____
Row Spacing: 36 inch **Spacing Within Row:** 2 in **Seed Bed:** flat
Soil Temperature: 72 F **Soil Moisture:** irrigated **Emergence Date:** Apr-25-05

SITE AND DESIGN

Plot Width, Unit: 12 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: research station
Tillage Type: conventional **Study Design:** RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments:

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	Previous Crops	Previous Pesticides	Year
1.			

MAINTENANCE

Field Prep./Maintenance:

No.	Date	Maintenance Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit
1.							

SOIL DESCRIPTION

% Sand: 84 **% OM:** 1.3 **Texture:** loamy sand
% Silt: 8 **pH:** 5.9 **Soil Name:** _____
% Clay: 8 **CEC:** _____ **Fert. Level:** _____

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.							

Overall Moisture Conditions: irrigated
Closest Weather Station: _____ **Distance:** _____ **Unit:** __

APPLICATION DESCRIPTION

	A	B	C
Application Date:	Apr-18-05	Apr-18-05	May-24-05
Time of Day:	10 am	10 am	7 am
Application Method:	broadcast	broadcast	broadcast
Application Timing:	PPI	PRE	POST
Applic. Placement:	incorp	on soil	overtop
Air Temp., Unit:	72 F	72 F	74 F
% Relative Humidity:	52	52	63
Wind Velocity, Unit:	1 mph	1 mph	0 mph
Dew Presence (Y/N):	n	n	y
Water Hardness:			
Soil Temp., Unit:	65 F	65 F	71 F
Soil Moisture:	moist	moist	moist
% Cloud Cover:	0	0	0

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	PHSVN PPI	PHSVN PRE	PHSVN POST
Stage Scale:	not up	not up	3rd tri
Height, Unit:	0 inch	0 inch	5 inch

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WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	PANTE PPI	PANTE PRE	PANTE 3-5T,5inc
Stage Scale:	not up	not up	9
Density, Unit:	0 ydsq	0 ydsq	ydsq ACNHI
Weed 2 Code, Stage:	ACNHI PPI	ACNHI PRE	ACNHI < 3 in
Stage Scale:	not up	not up	5
Density, Unit:	0 ydsq	0 ydsq	ydsq DEDTO
Weed 3 Code, Stage:	DEDTO PPI	DEDTO PRE	DEDTO <1.5 in
Stage Scale:	not up	not up	2
Density, Unit:	0 ydsq	0 ydsq	ydsq MOLVE
Weed 4 Code, Stage:	MOLVE PPI	MOLVE PRE	MOLVE <3 inch
Stage Scale:	not up	not up	5
Density, Unit:	0 ydsq	0 ydsq	ydsq RCHSC
Weed 5 Code, Stage:	RCHSC PPI	RCHSC PRE	RCHSC <2 in
Stage Scale:	not up	not up	2 inch
Density, Unit:	0 ydsq	0 ydsq	2 ydsq

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	backpack	backpack	backpack
Operating Pressure:	23	23	23
Nozzle Type:	flat fan	flat fan	flat fan
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	18 inch	18 inch	18 inch
Nozzles/Row:	2	2	2
Band Width, Unit:			
Boom Length, Unit:	4.5 feet	4.5 feet	4.5 feet
Boom Height, Unit:	15 inch	15 inch	15 inch
Ground Speed, Unit:	3 mph	3 mph	3 mph
Incorporation Equip.:			
Hours to Incorp.:			
Incorp. Depth, Unit:			
Carrier:	water	water	water
Spray Volume, Unit:	14.8 GPA	14.8 GPA	14.8 GPA
Spray pH:			
Propellant:	CO2	CO2	CO2
Tank Mix (Y/N):	Y	Y	Y

Trt No	Treatment Application Comment