

# LSU Northeast Research Station

## TO EVALUATE THE EFFICACY AND CROP TOLERANCE OF 10142 75 WDG AGAINST WEEDS IN SWEET POTATO CULTURE

### GENERAL TRIAL INFORMATION

Study Director: VALENT  
Investigator: Donnie Miller  
TRIAL LOCATION: CHASE, LA  
Crop 1: IPOBA SWEET POTATO  
Variety: EVANGELINE  
Planting Date: 17/Jun/2008

### SITE AND DESIGN

Plot Width, Unit: 7 FT  
Plot Length, Unit: 25 FT  
Reps: 4  
Study Design: RANDOMIZED COMPLETE BLOCK

### APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	17/Jun/2008	17/Jun/2008	1/Jul/2008	14/Jul/2008
Time of Day:	11:30 AM	12:00 PM	10:00 AM	2:30 PM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRETRA	PRETRA	POSTTR	POSTTR
Applic. Placement:	BROSOI	BROSOI	BROFOL	BROFOL
Air Temp., Unit:	90 F	90 F	84 F	90 F
% Relative Humidity:	48	48	43	44
Wind Velocity, Unit:	3.7 MPH	3.7 MPH	5.2 MPH	4.2 MPH
Dew Presence (Y/N):	N	N	N	N
Water Hardness:	N	N	N	N
Soil Temp., Unit:	82 F	82 F	79 F	85 F
Soil Moisture:	MOIST	MOIST		MOIST
% Cloud Cover:	10	10	30	40

### CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	IPOBA N/A	IPOBA AT PLANT	IPOBA	IPOBA

### APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	CO2 BCPCCK	CO2 BCPCCK	CO2 BCPCCK	CO2 BCPCCK
Operating Pressure:	34 psi	34 psi	34 psi	34 psi
Nozzle Type:	DG	DG	DG	DG
Nozzle Size:	11002	11002	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN
Nozzles/Row:	2	2	2	2
Ground Speed, Unit:	3.2 MPH	3.2 MPH	3.2 MPH	3.2 MPH
Carrier:	WATER	WATER	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA

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Weed Code	ECHCG	ELEIN	PHYAN	IPOHG	MOLVE	CYPES	CYPRO	PHYAN	ECHCG					
Crop Code	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA					
Part Rated	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA					
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY					
Rating Unit	%	%	%	%	%	%	%	%	%					
Rating Date	23/Jun/2008	1/Jul/2008	1/Jul/2008	1/Jul/2008	1/Jul/2008	1/Jul/2008	1/Jul/2008	1/Jul/2008	1/Jul/2008					
Assessed By	6 DA-A&B	14 DAA&B	14 DAA&B	14 DAA&B	14 DAA&B	14 DAA&B	14 DAA&B	14 DAA&B	14 DAA&B					
Trt-Eval Interval														
ARM Action Codes														
# Subsamples, Dec.														
Trt Treatment	Rate	Unit	Appl Code	1	2	3	4	5	6	7	8	9	10	11
1 V-10142	0.200	lb ai/a	A	2.00 a	90.00 ab	93.75 a	98.75 a	96.25 a	100.00 a	92.50 ab	92.50 ab	0.00 a		
2 V-10142	0.300	lb ai/a	A	2.00 a	87.50 b	95.00 a	98.75 a	98.75 a	100.00 a	95.00 ab	95.00 ab	0.00 a		
3 V-10142	0.400	lb ai/a	A	1.50 a	91.25 ab	91.25 a	98.75 a	98.75 a	100.00 a	95.00 ab	95.00 ab	0.00 a		
4 V-10142	0.200	lb ai/a	A	1.50 a	95.00 ab	98.75 a	100.00 a	100.00 a	100.00 a	96.25 a	96.25 a	0.00 a		
VALOR SX	3	oz/a	A											
5 V-10142	0.200	lb ai/a	C										90.00 a	73.75 a
DYNE-A-PAK	1	% v/v	C											
6 V-10142	0.300	lb ai/a	C										91.25 a	77.50 a
DYNE-A-PAK	1	% v/v	C											
7 V-10142	0.400	lb ai/a	C										88.75 a	78.75 a
DYNE-A-PAK	1	% v/v	C											
8 VALOR	3	oz/a	A	4.00 a	92.50 ab	96.25 a	100.00 a	100.00 a	100.00 a	87.50 b	87.50 b	0.00 a		
V-10142	0.300	lb ai/a	D											
DYNE-A-PAK	1	% v/v	D											
9 V-10142	0.300	lb ai/a	A	4.00 a	92.50 ab	95.00 a	100.00 a	100.00 a	100.00 a	98.75 a	98.75 a	0.00 a		
V-10142	0.300	lb ai/a	D											
DYNE-A-PAK	1	% v/v	D											
10 COMMAND	3	pt/a	B	4.00 a	96.25 a	98.75 a	100.00 a	100.00 a	100.00 a	93.75 ab	93.75 ab	0.00 a		
VALOR	2	oz/a	A											
11 NONTREATED				2.25 a	0.00 c	0.00 b	0.00 b	0.00 b	0.00 b	0.00 c	0.00 c	0.00 a	0.00 b	0.00 b
LSD (P=.05)	3.877	7.570	8.477	1.903	4.217	0.000	7.887	7.887	0.000	7.772	10.991			
Standard Deviation	2.636	5.147	5.764	1.294	2.867	0.000	5.363	5.363	0.000	4.859	6.872			
CV	99.23	6.38	6.9	1.49	3.31	0.0	6.51	6.51	0.0	7.2	11.95			
Grand Mean	2.66	80.63	83.59	87.03	86.72	87.5	82.34	82.34	0.0	67.5	57.5			
Bartlett's X2	8.699	3.829	8.839	0.0	4.968	0.0	8.57	8.57	0.0	1.027	0.294			
P(Bartlett's X2)	0.275	0.70	0.183	0.001*	0.083	.	0.127	0.127	.	0.599	0.863			
Replicate F	1.288	3.854	0.964	4.200	1.362	0.000	1.186	1.186	0.000	1.765	0.618			
Replicate Prob(F)	0.3045	0.0242	0.4281	0.0178	0.2816	1.0000	0.3389	0.3389	1.0000	0.2236	0.6208			
Treatment F	0.750	161.393	138.111	2955.667	598.140	0.000	155.453	155.453	0.000	343.235	124.853			
Treatment Prob(F)	0.6338	0.0001	0.0001	0.0001	0.0001	1.0000	0.0001	0.0001	1.0000	0.0001	0.0001			

Means followed by same letter do not significantly differ (P=.05, LSD)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code	IPOHG	MOLVE	NUTSEDGE	ELEIN	PHYAN	ECHCG	IPOHG	MOLVE	NUTSEDGE	EL				
Crop Code	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA				
Part Rated														
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL				
Rating Unit	%	%	%	%	%	%	%	%	%	%				
Rating Date	8/Jul/2008	8/Jul/2008	8/Jul/2008	8/Jul/2008	8/Jul/2008	15/Jul/2008	15/Jul/2008	15/Jul/2008	15/Jul/2008	15/Jul/2008				
Assessed By														
Trt-Eval Interval	7 DA-C	7 DA-C	7 DA-C	7 DA-C	7 DA-C	14 DA-C	14 DA-C	14 DA-C	14 DA-C	14 DA-C				
ARM Action Codes						28DA-A&B	28DA-A&B	28DA-A&B	28DA-A&B	28DA-A&B				
# Subsamples, Dec.														
Trt Treatment														
No. Name	Rate	Unit	Appl Code	12	13	14	15	16	17	18	19	20	21	22
1 V-10142	0.200	lb ai/a	A						91.25 b	83.75 ab	100.00 a	100.00 a	90.00 ab	85.00
2 V-10142	0.300	lb ai/a	A						95.00 ab	81.25 ab	100.00 a	100.00 a	97.50 ab	83.75
3 V-10142	0.400	lb ai/a	A						93.75 ab	83.75 ab	98.75 a	100.00 a	96.25 ab	85.00
4 V-10142	0.200	lb ai/a	A						100.00 a	90.00 a	98.75 a	100.00 a	97.50 ab	100.00
VALOR SX	3	oz/a	A											
5 V-10142	0.200	lb ai/a	C	97.50 a	91.25 a	95.00 a	88.75 a	41.25 a	92.50 b	63.75 c	100.00 a	91.25 ab	100.00 a	82.50
DYNE-A-PAK	1	% v/v	C											
6 V-10142	0.300	lb ai/a	C	98.75 a	91.25 a	95.00 a	78.75 a	40.00 a	92.50 b	66.25 c	100.00 a	98.75 a	97.50 ab	76.25
DYNE-A-PAK	1	% v/v	C											
7 V-10142	0.400	lb ai/a	C	100.00 a	90.00 a	93.75 a	85.00 a	43.75 a	92.50 b	75.00 bc	100.00 a	86.25 b	95.00 ab	80.00
DYNE-A-PAK	1	% v/v	C											
8 VALOR	3	oz/a	A						100.00 a	86.25 ab	100.00 a	100.00 a	85.00 b	95.00
V-10142	0.300	lb ai/a	D											
DYNE-A-PAK	1	% v/v	D											
9 V-10142	0.300	lb ai/a	A						97.50 ab	86.25 ab	100.00 a	100.00 a	97.50 ab	85.00
V-10142	0.300	lb ai/a	D											
DYNE-A-PAK	1	% v/v	D											
10 COMMAND	3	pt/a	B						100.00 a	92.50 a	100.00 a	100.00 a	96.25 ab	96.25
VALOR	2	oz/a	A											
11 NONTREATED				0.00 b	0.00 b	0.00 b	0.00 b	0.00 b	0.00 c	0.00 d	0.00 b	0.00 c	0.00 c	0.00
LSD (P=.05)	2.748	8.535	1.999	13.395	4.617	6.656	14.017	1.565	10.023	13.591	9.913	6.941	9.413	6.941
Standard Deviation	1.718	5.336	1.250	8.375	2.887	4.610	9.708	1.084	6.941	9.413	6.941	9.413	6.941	6.941
CV	2.32	7.83	1.76	13.27	9.24	5.31	13.2	1.19	7.82	10.87	10.87	10.87	10.87	10.87
Grand Mean	74.06	68.13	70.94	63.13	31.25	86.82	73.52	90.68	88.75	86.59	78.75	78.75	78.75	78.75
Bartlett's X2	0.061	0.028	0.0	1.398	1.007	6.622	7.789	0.0	7.687	28.016	4.000	4.000	4.000	4.000
P(Bartlett's X2)	0.805	0.986	.	0.497	0.604	0.357	0.555	1.00	0.021*	0.001*	0.001*	0.001*	0.001*	0.001*
Replicate F	1.941	0.951	1.000	0.267	0.500	2.353	1.164	0.645	1.804	0.299	2.000	2.000	2.000	2.000
Replicate Prob(F)	0.1936	0.4562	0.4363	0.8474	0.6915	0.0920	0.3399	0.5921	0.1677	0.8256	0.0000	0.0000	0.0000	0.0000
Treatment F	3305.471	289.829	5726.334	101.970	209.500	158.198	28.780	3082.162	73.679	38.038	62.000	62.000	62.000	62.000
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	0.0001	0.0001

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Weed Code		ECHCG	ELEIN	IPOHG	PHYAN	MOLVE	CYPES	CYPRO		ECHCG						
Crop Code	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA					
Part Rated																
Rating Data Type	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL					
Rating Unit	%	%	%	%	%	%	%	%	%	%	%					
Rating Date	15/Jul/2008	21/Jul/2008	21/Jul/2008	21/Jul/2008	21/Jul/2008	21/Jul/2008	21/Jul/2008	21/Jul/2008	21/Jul/2008	21/Jul/2008	28/Jul/2008					
Assessed By		20 DA-C	20 DA-C	20 DA-C	20 DA-C	20 DA-C	20 DA-C	20 DA-C	20 DA-C	20 DA-C	20 DA-C					
Trt-Eval Interval	14 DA-C	7 DA-D	7 DA-D	7 DA-D	7 DA-D	7 DA-D	7 DA-D	7 DA-D	7 DA-D	7 DA-D	14 DA-D					
ARM Action Codes	28DA-A&B	34 DAA&B	34 DAA&B	34 DAA&B	34 DAA&B	34 DAA&B	34 DAA&B	34 DAA&B	34 DAA&B	34 DAA&B	27 DA-C					
# Subsamples, Dec.																
Trt Treatment	No.	Name	Rate	Unit	Appl Code	23	24	25	26	27	28	29	30	31	32	33
	1	V-10142	0.200	lb ai/a	A	0.00 b	75.00 abc	82.50 ab	96.25 a	86.25 bc	100.00 a	90.00 abc	90.00 abc	0.00 d		
	2	V-10142	0.300	lb ai/a	A	0.00 b	71.25 bc	80.00 b	98.75 a	92.50 ab	100.00 a	95.00 ab	95.00 ab	0.00 d		
	3	V-10142	0.400	lb ai/a	A	0.00 b	76.25 abc	82.50 ab	95.00 a	88.75 b	100.00 a	97.50 ab	97.50 ab	2.50 d		
	4	V-10142	0.200	lb ai/a	A	0.00 b	86.25 ab	93.75 a	100.00 a	100.00 a	100.00 a	98.75 a	98.75 a	0.00 d		
		VALOR SX	3	oz/a	A											
	5	V-10142	0.200	lb ai/a	C	43.75 a	60.00 c	76.25 bc	100.00 a	78.75 cd	76.25 b	95.00 ab	95.00 ab	35.00 bc	76.25 a	55.00
		DYNE-A-PAK	1	% v/v	C											
	6	V-10142	0.300	lb ai/a	C	42.50 a	66.25 bc	67.50 c	100.00 a	75.00 d	77.50 b	95.00 ab	95.00 ab	23.75 c	83.75 a	42.50
		DYNE-A-PAK	1	% v/v	C											
	7	V-10142	0.400	lb ai/a	C	43.75 a	75.00 abc	76.25 bc	90.00 a	70.00 d	62.50 c	95.00 ab	95.00 ab	51.25 a	78.75 a	60.00
		DYNE-A-PAK	1	% v/v	C											
	8	VALOR	3	oz/a	A	0.00 b	86.25 ab	86.25 ab	97.50 a	100.00 a	100.00 a	85.00 c	85.00 c	45.00 ab	80.00 a	86.25
		V-10142	0.300	lb ai/a	D											
		DYNE-A-PAK	1	% v/v	D											
	9	V-10142	0.300	lb ai/a	A	0.00 b	85.00 ab	82.50 ab	100.00 a	93.75 ab	100.00 a	96.25 ab	96.25 ab	47.50 ab	78.75 a	61.25
		V-10142	0.300	lb ai/a	D											
		DYNE-A-PAK	1	% v/v	D											
	10	COMMAND	3	pt/a	B	1.25 b	95.00 a	92.50 a	100.00 a	98.75 a	100.00 a	88.75 bc	88.75 bc	1.25 d		
		VALOR	2	oz/a	A											
	11	NONTREATED				0.00 b	0.00 d	0.00 d	0.00 b	0.00 e	0.00 d	0.00 d	0.00 d	0.00 d	0.00 b	0.00
		LSD (P=.05)				3.874	20.251	12.339	10.428	9.649	9.924	9.261	9.261	12.878	15.089	24.375
		Standard Deviation				2.683	14.025	8.546	7.222	6.683	6.873	6.414	6.414	8.919	10.014	15.125
		CV				22.48	19.87	11.46	8.13	8.32	8.25	7.54	7.54	47.57	15.12	30.50
		Grand Mean				11.93	70.57	74.55	88.86	80.34	83.3	85.11	85.11	18.75	66.25	55.00
		Bartlett's X2				3.78	7.499	9.028	12.597	8.18	2.685	17.297	17.297	18.356	3.94	2.00
		P(Bartlett's X2)				0.286	0.585	0.435	0.013*	0.317	0.261	0.004*	0.004*	0.003*	0.414	0.00
		Replicate F				0.711	1.258	0.270	0.305	3.575	2.482	0.787	0.787	2.807	0.069	0.00
		Replicate Prob(F)				0.5533	0.3063	0.8467	0.8215	0.0254	0.0800	0.5105	0.5105	0.0565	0.9755	0.00
		Treatment F				226.200	13.176	36.479	67.353	72.888	79.662	79.111	79.111	24.326	42.258	12.00
		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

Means followed by same letter do not significantly differ (P=.05, LSD)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

# LSU Northeast Research Station

Weed Code	PHYAN	IPOHG	MOLVE	CYPES	CYPRO		ECHCG	ELEIN	IPOHG	PHYAN	MOL			
Crop Code	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPC			
Part Rated														
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTR			
Rating Unit	%	%	%	%	%	%	%	%	%	%	%			
Rating Date	28/Jul/2008	28/Jul/2008	28/Jul/2008	28/Jul/2008	28/Jul/2008	28/Jul/2008	5/Aug/2008	5/Aug/2008	5/Aug/2008	5/Aug/2008	5/Aug/2008			
Assessed By														
Trt-Eval Interval	14 DA-D	14 DA-D	14 DA-D	14 DA-D	14 DA-D	14 DA-D	35 DA-C	35 DA-C	35 DA-C	35 DA-C	35 DA-C			
ARM Action Codes	27 DA-C	27 DA-C	27 DA-C	27 DA-C	27 DA-C	27 DA-C	22 DA-D	22 DA-D	22 DA-D	22 DA-D	22 DA-D			
# Subsamples, Dec.														
Trt Treatment														
No. Name	Rate	Unit	Appl Code	34	35	36	37	38	39	40	41	42	43	44
1 V-10142	0.200 lb ai/a	A	A											
2 V-10142	0.300 lb ai/a	A	A											
3 V-10142	0.400 lb ai/a	A	A											
4 V-10142	0.200 lb ai/a	A	A											
VALOR SX	3 oz/a	A	A											
5 V-10142	0.200 lb ai/a	C	C	83.75 b	100.00 a	70.00 b	95.00 a	95.00 a	10.00 bc	45.00 b	51.25 b	100.00 a	62.50 c	68.75
DYNE-A-PAK	1 % v/v	C	C											
6 V-10142	0.300 lb ai/a	C	C	72.50 c	100.00 a	70.00 b	95.00 a	95.00 a	15.00 b	60.00 ab	36.25 b	97.50 a	57.50 c	63.75
DYNE-A-PAK	1 % v/v	C	C											
7 V-10142	0.400 lb ai/a	C	C	71.25 c	100.00 a	71.25 b	95.00 a	95.00 a	20.00 b	62.50 ab	50.00 b	100.00 a	53.75 c	55.00
DYNE-A-PAK	1 % v/v	C	C											
8 VALOR	3 oz/a	A	A	100.00 a	100.00 a	98.75 a	95.00 a	95.00 a	47.50 a	75.00 a	80.00 a	100.00 a	100.00 a	98.75
V-10142	0.300 lb ai/a	D	D											
DYNE-A-PAK	1 % v/v	D	D											
9 V-10142	0.300 lb ai/a	A	A	86.25 b	100.00 a	100.00 a	97.50 a	97.50 a	55.00 a	77.50 a	47.50 b	100.00 a	80.00 b	100.00
V-10142	0.300 lb ai/a	D	D											
DYNE-A-PAK	1 % v/v	D	D											
10 COMMAND	3 pt/a	B	B											
VALOR	2 oz/a	A	A											
11 NONTREATED				0.00 d	0.00 b	0.00 c	0.00 b	0.00 b	0.00 c	0.00 c	0.00 c	0.00 b	0.00 d	0.00
LSD (P=.05)	6.958	0.000	26.184	4.422	4.422	12.532	25.314	21.937	3.076	11.932	23.314	15.558	2.041	7.919
Standard Deviation	4.617	0.000	17.377	2.934	2.934	8.317	16.799	14.558	2.041	7.919	15.558	2.041	7.919	15.558
CV	6.7	0.0	25.43	3.69	3.69	33.83	31.5	32.96	2.46	13.43	24.43	2.46	13.43	24.43
Grand Mean	68.96	83.33	68.33	79.58	79.58	24.58	53.33	44.17	82.92	58.96	64.17	82.92	58.96	64.17
Bartlett's X2	3.06	0.0	9.929	2.109	2.109	3.036	0.859	3.237	0.0	5.453	9.929	0.0	5.453	9.929
P(Bartlett's X2)	0.382	.	0.019*	0.146	0.146	0.552	0.93	0.519	.	0.141	0.382	.	0.141	0.382
Replicate F	0.179	0.000	0.396	1.774	1.774	1.867	0.492	1.075	1.000	2.542	0.179	1.000	2.542	0.179
Replicate Prob(F)	0.9089	1.0000	0.7581	0.1952	0.1952	0.1785	0.6930	0.3895	0.4199	0.0954	0.9089	0.4199	0.0954	0.9089
Treatment F	234.694	0.000	17.517	706.548	706.548	27.530	11.610	12.806	1585.000	72.017	234.694	1585.000	72.017	234.694
Treatment Prob(F)	0.0001	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

# LSU Northeast Research Station

Weed Code	CYPES	CYPRO		ECHCG	ELEIN	IPOHG	PHYAN	MOLVE	CYPES	CYPRO
Crop Code	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA
Part Rated										
Rating Data Type	CONTROL	CONTROL	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%	%	%	%	%
Rating Date	5/Aug/2008	5/Aug/2008	5/Aug/2008	11/Aug/2008	11/Aug/2008	11/Aug/2008	11/Aug/2008	11/Aug/2008	11/Aug/2008	11/Aug/2008
Assessed By										
Trt-Eval Interval	35 DA-C	35 DA-C	35 DA-C	28 DA-D	28 DA-D	28 DA-D	28 DA-D	28 DA-D	28 DA-D	28 DA-D
ARM Action Codes	22 DA-D	22 DA-D	22 DA-D							
# Subsamples, Dec.										

Trt Treatment	Rate	Unit	Appl Code	45	46	47	48	49	50	51	52	53	54
1 V-10142	0.200	lb ai/a	A										
2 V-10142	0.300	lb ai/a	A										
3 V-10142	0.400	lb ai/a	A										
4 V-10142	0.200	lb ai/a	A										
VALOR SX	3 oz/a	A											
5 V-10142	0.200	lb ai/a	C	100.00 a	100.00 a	11.25 b							
DYNE-A-PAK	1 % v/v	C											
6 V-10142	0.300	lb ai/a	C	100.00 a	100.00 a	12.50 b							
DYNE-A-PAK	1 % v/v	C											
7 V-10142	0.400	lb ai/a	C	100.00 a	100.00 a	17.50 ab							
DYNE-A-PAK	1 % v/v	C											
8 VALOR	3 oz/a	A		100.00 a	100.00 a	26.25 a	68.75 a	85.00 a	98.75 a	100.00 a	100.00 a	93.75 b	93.75 b
V-10142	0.300	lb ai/a	D										
DYNE-A-PAK	1 % v/v	D											
9 V-10142	0.300	lb ai/a	A	100.00 a	100.00 a	27.50 a	61.25 a	43.75 b	75.00 b	100.00 a	100.00 a	100.00 a	100.00 a
V-10142	0.300	lb ai/a	D										
DYNE-A-PAK	1 % v/v	D											
10 COMMAND	3 pt/a	B											
VALOR	2 oz/a	A											
11 NONTREATED				0.00 b	0.00 b	0.00 c	0.00 b	0.00 c	0.00 c	0.00 b	0.00 b	0.00 c	0.00 c
LSD (P=.05)	0.000			0.000	0.000	10.860	50.053	24.766	6.915	0.000	0.000	4.782	4.782
Standard Deviation	0.000			0.000	0.000	7.207	28.928	14.313	3.997	0.000	0.000	2.764	2.764
CV	0.0			0.0	0.0	45.52	66.76	33.35	6.9	0.0	0.0	4.28	4.28
Grand Mean	83.33			83.33	83.33	15.83	43.33	42.92	57.92	66.67	66.67	64.58	64.58
Bartlett's X2	0.0			0.0	0.0	4.064	0.259	2.178	2.745	0.0	0.0	0.0	0.0
P(Bartlett's X2)	.			.	.	0.397	0.611	0.14	0.098	.	.	.	.
Replicate F	0.000			0.000	0.000	1.818	0.544	2.098	1.522	0.000	0.000	1.000	1.000
Replicate Prob(F)	1.0000			1.0000	1.0000	0.1871	0.6697	0.2019	0.3022	1.0000	1.0000	0.4547	0.4547
Treatment F	0.000			0.000	0.000	8.166	6.799	35.278	665.348	0.000	0.000	1643.182	1643.182
Treatment Prob(F)	1.0000			1.0000	1.0000	0.0007	0.0287	0.0005	0.0001	1.0000	1.0000	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code										
Crop Code	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA	IPOBA
Part Rated		CANNER	CANNER	ONES	ONES	JUMBO	JUMBO	TOTAL	TOTAL	TOTAL
Rating Data Type	INJURY	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD
Rating Unit	%	LB	BU/A	LB	BU/A	LB	BU/A	LB	BU/A	BU/A
Rating Date	11/Aug/2008	2/Oct/2008	2/Oct/2008	2/Oct/2008	2/Oct/2008	2/Oct/2008	2/Oct/2008	2/Oct/2008	2/Oct/2008	2/Oct/2008
Assessed By										
Trt-Eval Interval	28 DA-D									
ARM Action Codes			TY1			TY2			TY3	TY4
# Subsamples, Dec.			1			1			1	1

Trt Treatment	Rate	Unit	Appl Code	55	56	57	58	59	60	61	62	63
1 V-10142	0.200	lb ai/a	A		19.50 bcd	97.1 bcd	12.88 c	64.1 c			32.38 bcd	161.2 bcd
2 V-10142	0.300	lb ai/a	A		19.38 bcd	96.5 bcd	13.80 bc	68.7 bc			33.18 bc	165.2 bc
3 V-10142	0.400	lb ai/a	A		18.88 bcd	94.0 bcd	13.06 bc	65.0 bc	2.00	10.0	32.44 bcd	161.5 bcd
4 V-10142	0.200	lb ai/a	A		23.25 bc	115.7 bc	24.88 ab	123.8 ab	6.00	29.9	49.63 ab	247.0 ab
VALOR SX	3 oz/a	A										
5 V-10142	0.200	lb ai/a	C		12.50 cd	62.2 cd	2.88 c	14.3 c			15.38 cd	76.5 cd
DYNE-A-PAK	1 % v/v	C										
6 V-10142	0.300	lb ai/a	C		14.75 cd	73.4 cd	4.50 c	22.4 c			19.25 cd	95.8 cd
DYNE-A-PAK	1 % v/v	C										
7 V-10142	0.400	lb ai/a	C		10.75 d	53.5 d	2.38 c	11.8 c			13.13 d	65.3 d
DYNE-A-PAK	1 % v/v	C										
8 VALOR	3 oz/a	A		11.25 a	28.88 ab	143.7 ab	9.60 c	47.8 c			46.18 ab	229.9 ab
V-10142	0.300	lb ai/a	D									
DYNE-A-PAK	1 % v/v	D										
9 V-10142	0.300	lb ai/a	A	10.00 a	14.13 cd	70.3 cd	3.13 c	15.6 c			17.25 cd	85.9 cd
V-10142	0.300	lb ai/a	D									
DYNE-A-PAK	1 % v/v	D										
10 COMMAND	3 pt/a	B			38.00 a	189.2 a	26.38 a	131.3 a			64.38 a	320.5 a
VALOR	2 oz/a	A										
11 NONTREATED				0.00 b	17.50 bcd	87.1 bcd	11.25 c	56.0 c			33.61 bc	167.3 bc
LSD (P=.05)				7.492	12.487	62.16	11.999	59.73	.	.	19.984	99.49
Standard Deviation				4.330	8.648	43.05	8.285	41.25	.	.	13.799	68.70
CV				61.13	43.74	43.74	73.08	73.08	.	.	42.55	42.55
Grand Mean				7.08	19.77	98.43	11.34	56.44	2.33	11.62	32.43	161.47
Bartlett's X2				2.745	17.665	17.665	37.425	37.425	.	.	16.436	16.436
P(Bartlett's X2)				0.098	0.061	0.061	0.001*	0.001*	.	.	0.088	0.088
Replicate F				1.000	1.247	1.247	2.610	2.610			3.176	3.176
Replicate Prob(F)				0.4547	0.3101	0.3101	0.0712	0.0712			0.0394	0.0394
Treatment F				8.111	3.342	3.342	4.020	4.020			5.409	5.409
Treatment Prob(F)				0.0197	0.0050	0.0050	0.0017	0.0017			0.0002	0.0002

Means followed by same letter do not significantly differ (P=.05, LSD)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Column 57: TY1 = 4.978286\*[56]  
 Column 59: TY2 = 4.978286\*[58]  
 Column 61: TY3 = 4.978286\*[60]  
 Column 63: TY4 = 4.978286\*[62]