Purdue University

Fall Applied Herbicides - Before Corn - SWPAC

Trial ID:	Study Dir.:
Location:	Investigator: Dr. Bill Johnson

GENERAL TRIAL INFORMATION

Investigator: Dr. Bill Johnson

Conducted Under GLP (Y/N): N   **Conducted Under GEP (Y/N):** N

SITE AND DESIGN

Plot Width, Unit: 10   FT   **Plot Length, Unit:** 40   FT   **Reps:** 4

Study Design: RANDOMIZED COMPLETE BLOCK

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Fall Applied Herbicides - Before Corn - SWPAC

Trial ID: Study Dir.:
Location: Investigator: Dr. Bill Johnson

Weed Code Rating Date Weed Stage Weed Density, Unit				GERCA 18/Dec/2002	STEME 18/Dec/2002	LAMAM 18/Dec/2002	VolWheat 18/Dec/2002	KCHSC 18/Dec/2002
Trt No.	Treatment Name	Rate Rate Unit	Grow Stg	1	2	3	4	5
1	ROUNDUP WEATHERMAX WEEDONE LV4 AMS			95 a	70 a	72 a	20 ab	74 a
2	PRINCEP COC			96 a	82 a	75 a	20 ab	74 a
3	SENCOR PYTHON WEEDONE LV4			94 a	88 a	67 a	39 ab	95 a
4	CALLISTO COC			89 a	92 a	68 a	58 ab	97 a
5	WEEDONE LV4			96 a	75 a	65 a	41 ab	67 a
6	BASIS PRINCEP WEEDONE LV4 COC			95 a	77 a	64 a	25 ab	84 a
7	BASIS WEEDONE LV4 COC			97 a	75 a	82 a	70 a	63 a
8	Weedy Check			0 b	0 b	0 b	0 b	0 b
LSD (P=.05)				8.8	42.3	44.4	37.4	48.6
Standard Deviation				6.0	28.7	30.2	25.4	33.1
CV				7.23	41.18	49.14	74.85	47.85
Grand Mean				82.72	69.81	61.38	34.0	69.13
Bartlett's X2				20.433	11.398	1.442	1.804	21.93
P(Bartlett's X2)				0.002*	0.077	0.963	0.937	0.001*
Replicate F				7.568	0.694	0.813	2.792	0.426
Replicate Prob(F)				0.0013	0.5658	0.5010	0.0655	0.7362
Treatment F				125.811	4.098	2.860	3.147	3.392
Treatment Prob(F)				0.0001	0.0055	0.0292	0.0195	0.0139

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

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Weed Code		LAMAM	STEME	GERCA	VolWheat	LAMAM	STEME
Rating Date		31/Mar/2003	31/Mar/2003	31/Mar/2003	31/Mar/2003	30/Apr/2003	30/Apr/2003
Weed Stage		6-8 in	3 in	6-12 in	9 in		
Weed Density, Unit		6 ft2	1 ft2	4 ft2	3 ft2		
Trt Treatment Rate Grow No. Name Rate Unit Stg		6	7	8	9	10	11
1 ROUNDUP WEATHERMAX WEEDONE LV4 AMS		100 a	99 a	98 a	100 a	94 a	93 a
2 PRINCEP COC		100 a	100 a	95 a	44 b	100 a	96 a
3 SENCOR PYTHON WEEDONE LV4		100 a	100 a	100 a	33 bc	99 a	96 a
4 CALLISTO COC		100 a	99 a	100 a	40 b	96 a	99 a
5 WEEDONE LV4		81 b	64 b	100 a	35 bc	84 a	40 b
6 BASIS PRINCEP WEEDONE LV4 COC		96 a	100 a	100 a	92 a	99 a	98 a
7 BASIS WEEDONE LV4 COC		98 a	100 a	100 a	95 a	98 a	92 a
8 Weedy Check		0 c	0 c	0 b	0 c	0 b	0 c
LSD (P=.05)		7.5	15.2	5.9	29.5	10.2	24.7
Standard Deviation		5.1	10.3	4.0	20.1	6.9	16.8
CV		6.07	12.46	4.65	36.62	8.3	21.86
Grand Mean		84.41	82.72	86.56	54.81	83.56	76.75
Bartlett's X2		13.486	21.746	1.312	20.775	31.587	41.991
P(Bartlett's X2)		0.004*	0.001*	0.252	0.001*	0.001*	0.001*
Replicate F		2.224	0.831	0.706	0.980	2.015	1.996
Replicate Prob(F)		0.1153	0.4919	0.5589	0.4211	0.1426	0.1455
Treatment F		183.153	48.045	302.505	13.186	97.081	19.142
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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Weed Code Rating Date Weed Stage Weed Density, Unit				GERCA 30/Apr/2003	VolWheat 30/Apr/2003
Trt No.	Treatment Name	Rate	Rate Unit	Grow Stg		
					12	13
1	ROUNDUP WEATHERMAX WEEDONE LV4 AMS				100 a	100 a
2	PRINCEP COC				100 a	45 b
3	SENCOR PYTHON WEEDONE LV4				100 a	9 bc
4	CALLISTO COC				100 a	31 bc
5	WEEDONE LV4				100 a	25 bc
6	BASIS PRINCEP WEEDONE LV4 COC				100 a	85 a
7	BASIS WEEDONE LV4 COC				100 a	92 a
8	Weedy Check				0 b	0 c
LSD (P=.05)					0.0	27.2
Standard Deviation					0.0	18.5
CV					0.0	38.29
Grand Mean					87.5	48.34
Bartlett's X2					0.0	32.934
P(Bartlett's X2)					.	0.001*
Replicate F					0.000	3.656
Replicate Prob(F)					1.0000	0.0290
Treatment F					0.000	17.749
Treatment Prob(F)					1.0000	0.0001

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