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Lucerne Herbicides (Tolerance)

R Hurst

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Hurst, R. (1988), *Lucerne Herbicides (Tolerance)*. Department of Agriculture and Food, Western Australia, Perth. Report.

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TITLE: Lucerne Herbicides (Tolerance).
 LOCATION: R. Hurst, Gairdner River.
 OFFICERS: J. Moore and G. Dean.
 AIMS: To determine the phytotoxicity of various herbicides on established Lucerne pasture, and their efficacy on the various weed species present.
 TREATMENTS: To be applied by logarythmic sprayer over twenty metres.

Herbicide.	Rate.
Goal.	1000 / 100 mls/ha.
Paraquat / Goal.	2000 / 300 - 200 / 30 mls/ha.
Roundup / Goal.	1000 / 300 - 100 / 30 mls/ha.
Paraquat.	3000 / 300 mls/ha.
Roundup.	1000 / 100 mls/ha.
2,4-D Amine.	2000 / 200 mls/ha.
Diuron / 2,4-D.	2000 / 1000 - 200 / 100 mls/ha.
Diuron / 2,4-DB.	2000 / 4000 - 200 / 100 mls/ha.
2,4-DB.	8000 / 800 mls/ha.
Diuron.	4000 / 400 mls/ha.
Atrazine / 2,4-DB.	2000 / 4000 - 200 / 400 mls/ha.
Atrazine.	4000 / 400 mls/ha.
Simazine.	4000 / 400 mls/ha.
Vorox.	5000 / 500 mls/ha.
Velpar.	2000 / 200 mls/ha.
Weedazol.	5000 / 500 mls/ha.
Bladex / Brodal.	5000 / 500 - 500 / 50 mls/ha.
Glean.	50 / 5 gms/ha.
Roundup / Glean.	1000 / 50 - 100 / 5 mls-gms/ha.
Ally.	20 / 2 gms/ha.

SPRAYING DETAILS:

Application date:	11/7/88	Moisture:	
Equipment:	Howard	Sprayed surface:	Dry
	Log sprayer.	Soil surface:	Moist
Nozzle type:	8001	10cms.	Moist
Output L/Ha.:	360		
Speed:	20m/33secs.		

DIARY: 11/7/88. Select site, peg and apply herbicides.
 7/9/88. Rate for efficacy and phytoxicity.
 1/11/88. Rate for efficacy and phytoxicity.

COMMENT:

Dormant lucerne tolerated most of the herbicides applied at rates that would control various weeds. Further work is required to determine the effects of these herbicides on lucerne production.

RATED 7/9/88.

E.W.R.C. RATING: EFFICACY 1 = COMPLETE KILL, 9 = NO EFFECT.
 CROP TOLERANCE 1 = NO DAMAGE, 9 = TOTAL CROP LOSS.

RATE 1: 82.6% of top rate.
 RATE 2: 55.3% of top rate.
 RATE 3: 37.0% of top rate.
 RATE 4: 24.7% of top rate.
 RATE 5: 16.5% of top rate.

HERBICIDE.	RATE.MLS/HA.	EFFICACY CAPEWEED.					LUCERNE TOLERANCE.				
		RATE.					RATE.				
		1.	2.	3.	4.	5.	1.	2.	3.	4.	5.
1 Goal.	1000 - 100	9	9	9	9	9	1	1	1	1	1
2 Paraquat/Goal.	2000/300 - 200/30	9	9	9	9	9	1	1	1	1	1
3 Roundup/Goal.	1000/300 - 100/30	2	4	8	9	9	1	1	1	1	1
4 Paraquat.	3000 - 300	9	9	9	9	9	1	1	1	1	1
5 Roundup.	1000 - 100	3	6	7	9	9	1	1	1	1	1
6 2,4-D Amine.	2000 - 200	2	2	2	4	7	1	1	1	1	1
7 Diuron/2,4-D.	2000/1000 - 200/100	2	4	3	6	7	1	1	1	1	1
8 Diuron/2,4-DB.	2000/4000 - 200/400	2	2	6	9	9	1	1	1	1	1
9 2,4-DB.	8000 - 800	3	4	5	8	9	1	1	1	1	1
10 Diuron.	4000 - 400	1	4	4	7	9	1	1	1	1	1
11 Atrazine/2,4-DB.	2000/4000 - 200/400	1	6	7	9	9	1	1	1	1	1
12 Atrazine.	4000 - 400	3	7	9	9	9	1	1	1	1	1
13 Simazine.	4000 - 400	3	8	9	9	9	1	1	1	1	1
14 Vorox.	5000 - 500	1	1	1	1	1	9	9	9	8	1
15 Velpar.	2000 - 200	1	1	2	4	7	4	3	1	1	1
16 Weedazol.	5000 - 500	1	1	1	2	2	5	5	4	3	2
17 Bladex/Brodal.	5000/500 - 500/50	1	1	4	3	4	1	1	1	1	1
18 Glean.	50g - 5g	7	7	9	9	9	1	1	1	1	1
19 Roundup/Glean.	1000/50 - 100/5	2	3	7	8	9	5	5	4	1	1
20 Ally.	20g - 2g	9	9	9	9	9	9	9	7	5	1

HERBICIDE.	RATE.MLS/HA.	EFFICACY FLATWEED.					LUCERNE TOLERANCE.				
		RATE.					RATE.				
		1.	2.	3.	4.	5.	1.	2.	3.	4.	5.
1 Goal.	1000 - 100	9	9	9	9	9	1	1	1	1	1
2 Paraquat/Goal.	2000/300 - 200/30	1	1	4	9	9	1	1	1	1	1
3 Roundup/Goal.	1000/300 - 100/30	2	2	2	8	9	1	1	1	1	1
4 Paraquat.	3000 - 300	1	1	2	3	8	1	1	1	1	1
5 Roundup.	1000 - 100	1	1	3	6	8	1	1	1	1	1
6 2,4-D Amine.	2000 - 200	8	9	9	9	9	1	1	1	1	1
7 Diuron/2,4-D.	2000/1000 - 200/100	9	9	9	9	9	1	1	1	1	1
8 Diuron/2,4-DB.	2000/4000 - 200/400	3	3	5	9	9	1	1	1	1	1
9 2,4-DB.	8000 - 800	7	8	9	9	9	1	1	1	1	1
10 Diuron.	4000 - 400	4	6	9	9	9	1	1	1	1	1
11 Atrazine/2,4-DB.	2000/4000 - 200/400	4	8	9	9	9	1	1	1	1	1
12 Atrazine.	4000 - 400	8	9	9	9	9	1	1	1	1	1
13 Simazine.	4000 - 400	1	1	7	9	9	1	1	1	1	1
14 Vorox.	5000 - 500	1	1	6	7	7	9	9	9	8	1
15 Velpar.	2000 - 200	1	1	4	4	8	4	3	1	1	1
16 Weedazol.	5000 - 500	2	1	3	4	4	5	5	4	3	2
17 Bladex/Brodal.	5000/500 - 500/50	2	2	8	9	9	1	1	1	1	1
18 Glean.	50g - 5g	5	6	7	9	9	1	1	1	1	1
19 Roundup/Glean.	1000/50 - 100/5	1	1	4	8	9	5	5	4	1	1
20 Ally.	20g - 2g	1	2	3	6	8	9	9	7	5	1

HERBICIDE.	RATE.MLS/HA.	EFFICACY CLOVER.					LUCERNE TOLERANCE.				
		RATE.					RATE.				
		1.	2.	3.	4.	5.	1.	2.	3.	4.	5.
1 Goal.	1000 - 100	9	9	9	9	9	1	1	1	1	1
2 Paraquat/Goal.	2000/300 - 200/30	4	4	4	7	9	1	1	1	1	1
3 Roundup/Goal.	1000/300 - 100/30	3	6	2	3	9	1	1	1	1	1
4 Paraquat.	3000 - 300	5	9	9	9	9	1	1	1	1	1
5 Roundup.	1000 - 100	4	2	3	6	8	1	1	1	1	1
6 2,4-D Amine.	2000 - 200	6	5	9	9	9	1	1	1	1	1
7 Diuron/2,4-D.	2000/1000 - 200/100	9	9	9	9	9	1	1	1	1	1
8 Diuron/2,4-DB.	2000/4000 - 200/400	6	8	9	9	9	1	1	1	1	1
9 2,4-DB.	8000 - 800	8	9	9	9	9	1	1	1	1	1
10 Diuron.	4000 - 400	8	9	9	9	9	1	1	1	1	1
11 Atrazine/2,4-DB.	2000/4000 - 200/400	7	9	9	9	9	1	1	1	1	1
12 Atrazine.	4000 - 400	8	6	8	8	8	1	1	1	1	1
13 Simazine.	4000 - 400	3	8	9	9	9	1	1	1	1	1
14 Vorox.	5000 - 500	1	8	7	6	7	9	9	9	8	1
15 Velpar.	2000 - 200	4	4	7	8	9	4	3	1	1	1
16 Weedazol.	5000 - 500	2	2	6	8	9	5	5	4	3	2
17 Bladex/Brodal.	5000/500 - 500/50	5	7	8	9	9	1	1	1	1	1
18 Glean.	50g - 5g				3	3	1	1	1	1	1
19 Roundup/Glean.	1000/50 - 100/5	1	1	1	2	2	5	5	4	1	1
20 Ally.	20g - 2g	1	1	2	3	3	9	9	7	5	1

HERBICIDE.	RATE.MLS/HA.	EFFICACY BARLEY GRASS.					LUCERNE TOLERANCE.				
		RATE.					RATE.				
		1.	2.	3.	4.	5.	1.	2.	3.	4.	5.
1 Goal.	1000 - 100	4					1	1	1	1	1
2 Paraquat/Goal.	2000/300 - 200/30	3	7	7	9	9	1	1	1	1	1
3 Roundup/Goal.	1000/300 - 100/30	1	2	9	9	9	1	1	1	1	1
4 Paraquat.	3000 - 300	5	9	9	9	9	1	1	1	1	1
5 Roundup.	1000 - 100	3	9	9	9	9	1	1	1	1	1
6 2,4-D Amine.	2000 - 200	9	9	9	9	9	1	1	1	1	1
7 Diuron/2,4-D.	2000/1000 - 200/100	9	9	9	9	9	1	1	1	1	1
8 Diuron/2,4-DB.	2000/4000 - 200/400	9	9	9	9	9	1	1	1	1	1
9 2,4-DB.	8000 - 800	9	9	9	9	9	1	1	1	1	1
10 Diuron.	4000 - 400	9	9	9	9	9	1	1	1	1	1
11 Atrazine/2,4-DB.	2000/4000 - 200/400	8	9	9	9	9	1	1	1	1	1
12 Atrazine.	4000 - 400	1	1	6	9	9	1	1	1	1	1
13 Simazine.	4000 - 400	1	4	8	8	9	1	1	1	1	1
14 Vorox.	5000 - 500	1	1	1	1	1	9	9	9	8	1
15 Velpar.	2000 - 200	1	5	8	9	9	4	3	1	1	1
16 Weedazol.	5000 - 500	2	2	6	8	9	5	5	4	3	2
17 Bladex/Brodal.	5000/500 - 500/50	5	6	8	9	9	1	1	1	1	1
18 Glean.	50g - 5g	9	9	9	9	9	1	1	1	1	1
19 Roundup/Glean.	1000/50 - 100/5	9	9	9	9	9	5	5	4	1	1
20 Ally.	20g - 2g	9	9	9	9	9	9	9	7	5	1

HERBICIDE.	RATE.MLS/HA.	EFFICACY SILVER GRASS.					LUCERNE TOLERANCE.				
		RATE.					RATE.				
		1.	2.	3.	4.	5.	1.	2.	3.	4.	5.
1 Goal.	1000 - 100	9	9	9	9	9	1	1	1	1	1
2 Paraquat/Goal.	2000/300 - 200/30	1	4	5	4	3	1	1	1	1	1
3 Roundup/Goal.	1000/300 - 100/30	6	3	7	8	9	1	1	1	1	1
4 Paraquat.	3000 - 300	3	1	1	1	1	1	1	1	1	1
5 Roundup.	1000 - 100	9	9	9	9	9	1	1	1	1	1
6 2,4-D Amine.	2000 - 200	9	9	9	9	9	1	1	1	1	1
7 Diuron/2,4-D.	2000/1000 - 200/100	1	2	2	5	4	1	1	1	1	1
8 Diuron/2,4-DB.	2000/4000 - 200/400	1	1	1	1	1	1	1	1	1	1
9 2,4-DB.	8000 - 800	9	9	9	9	9	1	1	1	1	1
10 Diuron.	4000 - 400		1	1			1	1	1	1	1
11 Atrazine/2,4-DB.	2000/4000 - 200/400	1	1	1			1	1	1	1	1
12 Atrazine.	4000 - 400	1	1	1	1	1	1	1	1	1	1
13 Simazine.	4000 - 400	1	1	1	1	1	1	1	1	1	1
14 Vorox.	5000 - 500	1	1	1	1	1	9	9	9	8	1
15 Velpar.	2000 - 200	1	1	1	2	3	4	3	1	1	1
16 Weedazol.	5000 - 500	2	2	6	8	9	5	5	4	3	2
17 Bladex/Brodal.	5000/500 - 500/50	1	1	1	1	1	1	1	1	1	1
18 Glean.	50g - 5g	9	9	9	9	9	1	1	1	1	1
19 Roundup/Glean.	1000/50 - 100/5	9	9	9	9	9	5	5	4	1	1
20 Ally.	20g - 2g	9	9	9	9	9	9	9	7	5	1

HERBICIDE.	RATE.MLS/HA.	EFFICACY RYEGRASS.					LUCERNE TOLERANCE.				
		RATE.					RATE.				
		1.	2.	3.	4.	5.	1.	2.	3.	4.	5.
1 Goal.	1000 - 100	6					1	1	1	1	1
2 Paraquat/Goal.	2000/300 - 200/30			6	6	7	1	1	1	1	1
3 Roundup/Goal.	1000/300 - 100/30		6	8	9	9	1	1	1	1	1
4 Paraquat.	3000 - 300	3	6	8	9	9	1	1	1	1	1
5 Roundup.	1000 - 100	2	6	8	9	9	1	1	1	1	1
6 2,4-D Amine.	2000 - 200	9	9	9	9	9	1	1	1	1	1
7 Diuron/2,4-D.	2000/1000 - 200/100	8	9	9	9	9	1	1	1	1	1
8 Diuron/2,4-DB.	2000/4000 - 200/400	6	9	9	9	9	1	1	1	1	1
9 2,4-DB.	8000 - 800	9	9	9	9	9	1	1	1	1	1
10 Diuron.	4000 - 400	9	9	9	9	9	1	1	1	1	1
11 Atrazine/2,4-DB.	2000/4000 - 200/400	9	9	9	9	9	1	1	1	1	1
12 Atrazine.	4000 - 400	1	1	1	1	3	1	1	1	1	1
13 Simazine.	4000 - 400	2	1	6	9	9	1	1	1	1	1
14 Vorox.	5000 - 500	1	1	1	1	1	9	9	9	8	1
15 Velpar.	2000 - 200	1	1	1	1	3	4	3	1	1	1
16 Weedazol.	5000 - 500	1	4	4	7	8	5	5	4	3	2
17 Bladex/Brodal.	5000/500 - 500/50	1	3	8	9	9	1	1	1	1	1
18 Glean.	50g - 5g	9	9	9	9	9	1	1	1	1	1
19 Roundup/Glean.	1000/50 - 100/5		1	3	4	6	5	5	4	1	1
20 Ally.	20g - 2g	9	9	9	9	9	9	9	7	5	1

HERBICIDE.	RATE.MLS/HA.	EFFICACY ERODIUM.					LUCERNE TOLERANCE.				
		RATE.					RATE.				
		1.	2.	3.	4.	5.	1.	2.	3.	4.	5.
1 Goal.	1000 - 100	7	9	9	9	9	1	1	1	1	1
2 Paraquat/Goal.	2000/300 - 200/30		1	1	3	3	1	1	1	1	1
3 Roundup/Goal.	1000/300 - 100/30		6	8	9	9	1	1	1	1	1
4 Paraquat.	3000 - 300			1		2	1	1	1	1	1
5 Roundup.	1000 - 100	3	3	9	9	9	1	1	1	1	1
6 2,4-D Amine.	2000 - 200	9	9	9	9	9	1	1	1	1	1
7 Diuron/2,4-D.	2000/1000 - 200/100	8	9	9	9	9	1	1	1	1	1
8 Diuron/2,4-DB.	2000/4000 - 200/400	9	9	9	9	9	1	1	1	1	1
9 2,4-DB.	8000 - 800	1	4	7	8	9	1	1	1	1	1
10 Diuron.	4000 - 400	9	9	9	9	9	1	1	1	1	1
11 Atrazine/2,4-DB.	2000/4000 - 200/400	1	3		4		1	1	1	1	1
12 Atrazine.	4000 - 400	6	6	9	9	9	1	1	1	1	1
13 Simazine.	4000 - 400	4		4			1	1	1	1	1
14 Vorox.	5000 - 500	1	1	7	4		9	9	9	8	1
15 Velpar.	2000 - 200	1	5	8	9	9	4	3	1	1	1
16 Weedazol.	5000 - 500	2	3	4	7	8	5	5	4	3	2
17 Bladex/Brodal.	5000/500 - 500/50		3		3		1	1	1	1	1
18 Glean.	50g - 5g	3	3				1	1	1	1	1
19 Roundup/Glean.	1000/50 - 100/5	1				3	5	5	4	1	1
20 Ally.	20g - 2g	1	3				9	9	7	5	1

HERBICIDE.	RATE.MLS/HA.	EFFICACY BROME GRASS.					LUCERNE TOLERANCE.				
		RATE.					RATE.				
		1.	2.	3.	4.	5.	1.	2.	3.	4.	5.
1 Goal.	1000 - 100						1	1	1	1	1
2 Paraquat/Goal.	2000/300 - 200/30						1	1	1	1	1
3 Roundup/Goal.	1000/300 - 100/30						1	1	1	1	1
4 Paraquat.	3000 - 300						1	1	1	1	1
5 Roundup.	1000 - 100						1	1	1	1	1
6 2,4-D Amine.	2000 - 200						1	1	1	1	1
7 Diuron/2,4-D.	2000/1000 - 200/100						1	1	1	1	1
8 Diuron/2,4-DB.	2000/4000 - 200/400	9	9	9	9	9	1	1	1	1	1
9 2,4-DB.	8000 - 800	9	9	9	9	9	1	1	1	1	1
10 Diuron.	4000 - 400	9	9	9	9	9	1	1	1	1	1
11 Atrazine/2,4-DB.	2000/4000 - 200/400						1	1	1	1	1
12 Atrazine.	4000 - 400		1				1	1	1	1	1
13 Simazine.	4000 - 400	1	1	4	6	7	1	1	1	1	1
14 Vorox.	5000 - 500	1	1	1	1	1	9	9	9	8	1
15 Velpar.	2000 - 200	1	4	8	9	9	4	3	1	1	1
16 Weedazol.	5000 - 500	2	2	5	8	8	5	5	4	3	2
17 Bladex/Brodal.	5000/500 - 500/50	3	6	7	7	7	1	1	1	1	1
18 Glean.	50g - 5g	9	9	9	9	9	1	1	1	1	1
19 Roundup/Glean.	1000/50 - 100/5	9	9	9	9	9	5	5	4	1	1
20 Ally.	20g - 2g	9	9	9	9	9	9	9	7	5	1

HERBICIDE.	RATE.MLS/HA.	EFFICACY CARROT WEED.					LUCERNE TOLERANCE.				
		RATE.					RATE.				
		1.	2.	3.	4.	5.	1.	2.	3.	4.	5.
1 Goal.	1000 - 100						1	1	1	1	1
2 Paraquat/Goal.	2000/300 - 200/30						1	1	1	1	1
3 Roundup/Goal.	1000/300 - 100/30			1	6		1	1	1	1	1
4 Paraquat.	3000 - 300			1	1		1	1	1	1	1
5 Roundup.	1000 - 100	3	5	7	7	8	1	1	1	1	1
6 2,4-D Amine.	2000 - 200						1	1	1	1	1
7 Diuron/2,4-D.	2000/1000 - 200/100	1					1	1	1	1	1
8 Diuron/2,4-DB.	2000/4000 - 200/400	1	1		3		1	1	1	1	1
9 2,4-DB.	8000 - 800						1	1	1	1	1
10 Diuron.	4000 - 400						1	1	1	1	1
11 Atrazine/2,4-DB.	2000/4000 - 200/400	4	9	9	9	9	1	1	1	1	1
12 Atrazine.	4000 - 400				9		1	1	1	1	1
13 Simazine.	4000 - 400						1	1	1	1	1
14 Vorox.	5000 - 500						9	9	9	8	1
15 Velpar.	2000 - 200	1					4	3	1	1	1
16 Weedazol.	5000 - 500		1				5	5	4	3	2
17 Bladex/Brodal.	5000/500 - 500/50				1	1	1	1	1	1	1
18 Glean.	50g - 5g					6	1	1	1	1	1
19 Roundup/Glean.	1000/50 - 100/5						5	5	4	1	1
20 Ally.	20g - 2g						9	9	7	5	1

HERBICIDE.	RATE.MLS/HA.	EFFICACY CRASSULA.					LUCERNE TOLERANCE.				
		RATE.					RATE.				
		1.	2.	3.	4.	5.	1.	2.	3.	4.	5.
1 Goal.	1000 - 100	6					1	1	1	1	1
2 Paraquat/Goal.	2000/300 - 200/30		1	6	9	9	1	1	1	1	1
3 Roundup/Goal.	1000/300 - 100/30	2	1	8	9	9	1	1	1	1	1
4 Paraquat.	3000 - 300		1	2	8	9	1	1	1	1	1
5 Roundup.	1000 - 100	3	3	9	9	9	1	1	1	1	1
6 2,4-D Amine.	2000 - 200	8	9	9	9	9	1	1	1	1	1
7 Diuron/2,4-D.	2000/1000 - 200/100	1			4	5	1	1	1	1	1
8 Diuron/2,4-DB.	2000/4000 - 200/400	1		1	5	5	1	1	1	1	1
9 2,4-DB.	8000 - 800	5	5	5	8	8	1	1	1	1	1
10 Diuron.	4000 - 400			1	1	1	1	1	1	1	1
11 Atrazine/2,4-DB.	2000/4000 - 200/400	1	3		4		1	1	1	1	1
12 Atrazine.	4000 - 400	1	1	1	1	1	1	1	1	1	1
13 Simazine.	4000 - 400	1	1	1	2	1	1	1	1	1	1
14 Vorox.	5000 - 500	1	1	1	1	1	9	9	9	8	1
15 Velpar.	2000 - 200	1	1	1	1		4	3	1	1	1
16 Weedazol.	5000 - 500	1	1	4	8	9	5	5	4	3	2
17 Bladex/Brodal.	5000/500 - 500/50	1	1	1	1	1	1	1	1	1	1
18 Glean.	50g - 5g	1	3	3	4		1	1	1	1	1
19 Roundup/Glean.	1000/50 - 100/5	1	1	2	3	5	5	5	4	1	1
20 Ally.	20g - 2g	1	1	2	4	5	9	9	7	5	1

HERBICIDE.	RATE.MLS/HA.	EFFICACY PIMPERNEL.					LUCERNE TOLERANCE.				
		RATE.					RATE.				
		1.	2.	3.	4.	5.	1.	2.	3.	4.	5.
1 Goal.	1000 - 100	9	9	9	9	9	1	1	1	1	1
2 Paraquat/Goal.	2000/300 - 200/30	1	1	3	9	9	1	1	1	1	1
3 Roundup/Goal.	1000/300 - 100/30	2	2	8	9	9	1	1	1	1	1
4 Paraquat.	3000 - 300			6			1	1	1	1	1
5 Roundup.	1000 - 100	3	5	7	7	8	1	1	1	1	1
6 2,4-D Amine.	2000 - 200	8	9	9	9	9	1	1	1	1	1
7 Diuron/2,4-D.	2000/1000 - 200/100	9	9	9	9	9	1	1	1	1	1
8 Diuron/2,4-DB.	2000/4000 - 200/400	9	9	9	9	9	1	1	1	1	1
9 2,4-DB.	8000 - 800		5	8	9	9	1	1	1	1	1
10 Diuron.	4000 - 400	2	3				1	1	1	1	1
11 Atrazine/2,4-DB.	2000/4000 - 200/400						1	1	1	1	1
12 Atrazine.	4000 - 400	1	1	1	2	4	1	1	1	1	1
13 Simazine.	4000 - 400	1	1	3	4	6	1	1	1	1	1
14 Vorox.	5000 - 500						9	9	9	8	1
15 Velpar.	2000 - 200	1		4	6	8	4	3	1	1	1
16 Weedazol.	5000 - 500	2	1	2	5	5	5	5	4	3	2
17 Bladex/Brodal.	5000/500 - 500/50	1	1			1	1	1	1	1	1
18 Glean.	50g - 5g	4	3	3	4	5	1	1	1	1	1
19 Roundup/Glean.	1000/50 - 100/5	1	1	2	5	5	5	5	4	1	1
20 Ally.	20g - 2g	1	2	3	4	5	9	9	7	5	1

The following table shows the minimum rate at which each herbicide controlled the various weeds present and the rate at which there was discernable effects on the lucerne.

1/11/88.

NC = no control or effect. " - " indicates weed not present.

Herbicide.	Weed species.				
	Brome G.	Barley G.	Ryegrass	Clover	Flatweed
Goal.	NC	NC	NC	NC	NC
Paraquat / Goal.	-	1180/177	-	NC	700/105
Roundup / Goal.	-	590/177	-	NC	350/105
Paraquat.	-	1770	1290	NC	1290
Roundup.	-	NC	150	NC	590
2,4-D Amine.	NC	NC	NC	NC	NC
Diuron / 2,4-D.	-	NC	NC	700/350	860/430
Diuron / 2,4-DB.	NC	NC	860/1720	700/1400	1620/3240
2,4-DB.	NC	NC	NC	NC	NC
Diuron.	NC	NC	2600	1120	2360
Atrazine / 2,4-DB.	700/1400	700/1400	700/1400	860/1720	1620/3240
Atrazine.	1400	1400	1400	1720	NC
Simazine.	-	2120	1720	2360	1720
Vorox.	500	500	500	500	1400
Velpar.	-	1060	-	860	860
Weedazol.	4050	4050	-	750	950
Bladex / Brodal.	-	2950/295	-	1750/175	1750/175
Glean.	-	NC	-	6	NC
Roundup / Glean.	NC	NC	590/29.5	120/6	350/17.5
Ally.	NC	NC	NC	2.5	NC

Herbicide.	Weed species.				Lucerne Tolerance.
	Capeweed	Silver G.	Erodium	Medic	
Goal.	NC	-	-	-	> 1000
Paraquat / Goal.	1180/177	1180/177	-	-	> 2000/300
Roundup / Goal.	NC	810/243	NC	-	> 1000/300
Paraquat.	NC	1770	-	-	> 3000
Roundup.	NC	NC	-	-	> 1000
2,4-D Amine.	-	-	-	-	> 2000
Diuron / 2,4-D.	-	-	-	-	> 2000/1000
Diuron / 2,4-DB.	-	-	-	-	> 2000/4000
2,4-DB.	-	-	4720	-	> 8000
Diuron.	-	-	2360	-	> 4000
Atrazine / 2,4-DB.	-	700/400	NC	NC	> 2000/4000
Atrazine.	NC	-	-	2360	> 4000
Simazine.	NC	-	2120	-	> 4000
Vorox.	-	-	2350	-	2150
Velpar.	-	-	1060	-	> 2000
Weedazol.	-	4050	1750	-	2350
Bladex / Brodal.	-	-	-	-	2950/295
Glean.	NC	NC	NC	-	> 50
Roundup / Glean.	NC	NC	-	-	> 1000/50
Ally.	-	-	-	-	7