

(CONT)

APPENDIX TABLE 55: LOC. NO. OF MYOGRASS PEAKS IN THE 4 MINUTE (2-50-77)

TREATMENT	REPL. I	REPL. II	REPL. III	TOTAL	MEAN
.2 lbs LINURON	1.690	1.580	1.802	5.072	1.691
.1 lbs LINURON	2.274	2.127	1.825	6.226	2.075
Control	2.516	2.250	2.100	6.866	2.289
TOTAL				14.164	1.8972

ANALYSIS OF VARIANCE

APPENDIX TABLE 56 : INFLUENCE OF ~~HERBICIDES~~ ON ~~WEEDS~~ IN ~~THE~~.
RATIOS OF CONTROL OF ~~WEEDS~~ AND ~~PRODUCTIVITY~~ TO TIME

TREATMENT	Repl.	2/10/61		2/17/62		3/12/62	
		Lean grass	St- grass	Lean grass	St- grass	% Control Lean grass	% Control St- grass
DINOSOL 0.5 gal 2.75 lbs	1	6	8	1	4	5	5
	2	8	8				

APPENDIX TABLE 57 : INFLUENCE OF HERBICIDES ON NUTGRASS IN TURF.
NUMBER OF SURVIVING NUTGRASS PLANTS PER 20" X 20" FRAME.

TREATMENT	25/2/62						2/4/62			
	I	II	III	IV	MEAN	ST. DEV.	I	II	III	MEAN
DICOFEN 200 g/ha	1 2 3	2 3 5	1 2 3	1 2 3	171 208 458	50.3	27 50 72	36 54 82	5	

APPENDIX TABLE 5B : PRE- AND POST-TREATMENT NITRATES POPULATIONS
NUMBER OF PLANTS PER 1 SQUARE METRE SURFACE.

TREATMENT	PRE-TREATMENT COUNT					POST-TREATMENT COUNT *				
	1	2	3	4	5	TOTAL	MEAN	1	2	3
15 lbs	1	51	83	229	76.3	41	21	14	11	9
	1	51	83	140	45.3	20	9	40	20.7</	

APPENDIX TABLE 59 : POST-TREATMENT RATING OF AUTOGRASS CONTROL AND PHYTOTOXICITY TO TURF - AFTER 55 DAYS

TREATMENT	REPL.	AUTOGRASS CONTROL	TURF PHYTOTOXICITY
15 lbs	1	4	4
	2	3	4
	3	9	5
TOTAL		22	13
MEAN		7.3	4.3
25 lbs	1	9	5
	2	8	5
	3	8	10
TOTAL		25	20
MEAN		8.3	6.7
35 lbs	1		

APPENDIX TABLE 60. 1. CONTENT OF NUTRIENTS IN TURF WITH EDTAM

TREATMENT	NUMBER OF NUTRIENTS				WEIGHT OF NUTRIENTS				TURF				GREEN GRASS WEIGHT			
	1	2	3	4	1											

APPENDIX TABLE 61: EMERGENCE OF NUTGRASS IN SOILS SAMPLED IN DIFFERENT GRASSLAND COMMUNITIES.

I. NUMBER OF NUTGRASS PLANTS PER POT

DATE OF RECORDING	TRACHYPOGON			THERMOPHILA			ARABLE			ERAGROSTIS LEY			
	1	2	3	1	2	3	1	2	3	1	2	3	4
25/1/62	1	1	-	1	1	-							

APPENDIX TABLE 52 : SPROUTED TUBERS, AIR-DRY WEIGHTS AND NUMBERS OF NUTCRASS FRACTIONS.

TREATMENT		STEM		TUBERS		ROOTS	
		NUMBER	WEIGHT	WEIGHT	NUMBER	WEIGHT	
ARABLE	1	6	2.24	3.70	46	7.6	
	2	7	2.01	4.1	36	4.7	
	3	5	2.85	2.45	24	8.3	
TOTAL			7.10				

APPENDIX TABLE 63 : UNSPROUTED TUBERS, AIR-DRY WEIGHT AND NUMBERS OF NUTGRASS FRACTIONS.

TREATMENT	STEM WEIGHT	STEM WEIGHT	ROOT WEIGHT	TUBER NUMBER	FOREIGN SPECIES		
					GRASSES	BROADLEAF	
ARABLE	1	4	2.2	1.8	5	4	8
	2	2	1.2	0.55	3	9	8
	3	3	1.15	0.8	3	7	3
TOTAL	9						

APPENDIX TABLE 54 : WEIGHTS AND NUMBER OF NUTGRASS STEMS

TREATMENT	REPL.	SPROUTED		UNSPROUTED		NUMBER OF FOREIGN SPECIES
		WEIGHT	NUMBER	WEIGHT		
1. ARABLE	1	4.6	6	6.8	3	
	2	4.5	1	0.1	3	
	3	10.6	1	5.1	2	
2. ERAGROSTIS	1	4.0	2	0.5	2	

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