



RESULTS OF
Herbicide Evaluation Trials
1975

(NOT FOR PUBLICATION)



UNIVERSITY OF KENTUCKY
DEPARTMENT OF AGRONOMY

C.E. RIECK, C.H. SLACK, J.H. PRICE, R.M. HAYES

TABLE OF CONTENTS

List of Herbicides	1, 2
1975 Precipitation Date	3
Techniques	4
Corn - Preemergence	5, 6, 7
Corn - Preplant Incorporated	8, 9, 10
Corn - Postemergence	11, 12, 13, 14
No-Till Corn in Killed Bluegrass Sod	15, 16, 17, 18, 19, 20
No-Till Corn in Stalkland	21, 22, 23, 24
Corn - Dow and Velsicol	25, 26, 27
Corn - Lasso Formulation	28, 29
Corn - Nutsedge	30, 31
Soybean - Preemergence	32, 33, 34, 35, 36, 37
Soybean - Preplant Incorporated & Overlay	38, 39, 40, 41, 42, 43
Soybean - Postemergence	44, 45, 46
Soybean - Nutsedge	47, 48
Soybean - Probe Test	49, 50
Soybean - Growth Regulator	41
Soybean - Stubble	52, 53
Burley Tobacco	54, 55

LIST OF HERBICIDES USED IN WEED CONTROL STUDIES 1973

A-820: (Amex) N-sec-butyl-4-tert-butyl-2,6-dinitroaniline	Amchem
AC-92553: (Prowl) N-(1-3thylpropyl)-2,6-dinitro-3,4-xylidine	Am. Cyanimid
Alachlor: (Lasso)-2-chloro-2',6'-diethyl-N-(methoxymethyl) acetamilide	Monsanto
Ametryne: (Evik) 80W 2 methylmercapto-4-ethylamino-6-isopropyl-amino-s-triazine	Geigy
Atrazine: (Aatrex): 2-chloro-4-(Ethylamino)-6-isopropylamino-s-triazine	Geigy
Balan: N-butyl-N-ethyl-a, a, a-trifluoro-2,6-dinitro-p-toluidine	Elanco
Banvel: 4S 3-6 dichloro-0-anistic acid	Velsicol
BAS-3512: (Basagran) 3-isopropyl-1-H-2,1,3-benzothiadiazinone-(4) 3H-one-2,2-dioxide	BASF
BAS-3924: (Basalin) N-propyl-N (2-chloroethyl)-2,6-dinitro-4-trifluoromethyl aniline	BASF
Butylate: (Sutan) S-ethyl diisobutylthiocarbamate	Stauffer
Cyanazine: (Bladex) 2-(4-chloro,-6-ethylamino-s-triazine-2-ylamino)-2-methylproprionitrile	Shell
CGA-10832: (Tolban) N-N-propyl-N-cyclopropylmethyl-4-trifluoro methyl-2,6-dinitroaniline	Geigy
CGA-17020 4E: Unknown	Geigy
CGA 18762: (Procyazine) 2-((4-chloro-6-(cyclopropylamino)-1,3,5-triazine-2-yl)amino)-2-methylpropanenitrile	Geigy
CGA-24705: Unknown	Geigy
Chloramben: (Amiben) 3-amino-2,5-dichlorobenzoic acid	Amchem
Chloroprotham: (CIPC): isopropyl m-chlorocarbanilate	PPG
Chloroxuron: (Tenoran) - Chloroxuron 3-[p-(p-chlorophenoxy) phenyl]-1-dimethylurea	Geigy
CIPC: (Furloe) isopropyl m-chlorocarbanilate	PPG
Desiccate: Mono (N,N-dimethy amino salt of Endothal)	Pennwalt
Devironol: 2(alpha-naphthoxy)-N,N-diethylpropionamide	Stauffer
Dicamba: (Banvel): 3,6-dichloro-o-anistic acid	Velsicol
Dinitramine: (Cobex): N ³ , N ³ -diethyl-2,4-dinitro-6-trifluoromethyl-m-phenylenediamine	U.S. Borox
Dinoseb: (Preemerge): 2-sec-butyl-4,6-dintrophenol	Dow
Diphenamid: (Enide & Dymid)	Upjohn
DS-23017 4E: Unknown	Diamond Sham
Dyanap: 1-naphthylphthalamate + 6-dinitro-0-sec butylphenate	Uniroyal
Ethrel: 2-chloroethylphosphonic acid	Amchem
EL-119: (Surflan) 3,5-dinitro-N, N-dipropyl-sulfanilamide	Elanco
EPTC: (Eptam): S-ethyl dipropylthiocarbamate	Stauffer
Eradicane: EPTC + N, N-diallyl-2,2-dichloroacetamide	Stauffer
GCP-1634 .5S Cyperquat chloride	Gulf
GCP-5544 6E: Unknown	Gulf
Glyphosate: (Roundup) N-phosphonomethylglycine	Monsanto
H-26910: N-chloroacetyl-N-(2-methyl-6-ethylphenyl)-glycine isopropyl ester	Hercules
H-22234: N-chloroacetyl-N-(2,6-diethylphenyl)-glycine ethyl ester	Hercules
H-25893: N-chloroacetyl-N-(2,6-diethylphenyl)-glycine isopropyl ester	Hercules
H-26910 4E: Unknown	Hercules
HOE 23408: Unknown	Am. Hoechst

Linuron: (Lorox): 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea	Dupont
Lithate 95W 2,4-D	Guth
M-3972: (Dowco 290) 3,6-dichloropicolinic acid as the monethanolamine salt	Dow
M-4127: (Dowco 356) 4E Unknown	Dow
Maloran: 3-(4-bromo-3-chlorophenyl)-1-methoxy-1-methylurea	Geigy
MBR 8251: (Destun) 1,1,1-trifluoro-4-(phenylsulfonyl) methanesulfono-0-toluidide	3M
MBR 12325: N-[2,4-dimethyl-5-[[(trifluoromethyl) sulfonyl]=amino]phenyl]acetamide	3M
MC-4379: (Modown): methyl-5-(2',4'-dichlorophenoxy-2-nitrobenzoate	Mobil
Metribuzin: (Sencor)(Lexone) 4-amino-6-(1,1-dimethylethyl)-3-methylthio)-1,2,4-triazine 5-(4 HO-one)	Chemagro
NIA-25213: r-2-ethyl-5-methyl-C-5-(2-methylbenzyloxy)-3-dioxane	Niagara
NTN 6867 2.5E 0 methyl 0-(4-methyl-2 nitrophenyl)(1 methylethyl) phosphoramidathioate	Chemagro
Outfox: (cyprazine): 2-chloro-4-cyclopropylamino-6-isopropylamino-1,3,5-triazine	Gulf
Paraquat: 1,1"dimethyl-4,4'-bipyridinium ion	Chevron
Preforan: (fluorodiphen): p-nitrophenyl a, a, a-trifluoro-2-nitro-p-tolyl ether	Geigy
Prefix: cyprazine + S-ethyl diethylthiocarbamate	Gulf
R-29148: 2,2,5-trimethyl-N-dichloroacetyloxazolidine	Stauffer
R-25788: N,N-diallyl-2,2-dichloroacetamide	Stauffer
R-31401: Unknown	Stauffer
RH-2512: Unknown	Rohm Haas
RH-2915: Unknown	Rohm Haas
RH-5205 2E Unknown	Rohm Haas
RH-8817 2E Unknown	Rohm Haas
Ronstar: Unknown	Rodia Chip.
S-6044: Unknown	Gulf
SD-23027: Unknown	Shell
Simazine: (Princep): 2-chloro-4,6-bis (ethylamino)-s-triazine	Geigy
San-9789: (Zorial) 4-chloro-5-(methylamino)-2-a,a,a,-trifluoro-m-toly-3(2H-pyridazinone)	Sandos
Tillam: S-propyl butylethylthiocarbamate	Stauffer
Triflurolin: (Treflan): S-(a,a,a-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine	Elanco
USB-3153 Unknown	U.S. Borax
VEL 4207: Dicamba (3,5-dichloro-0-anisic acid)	Velsicol
VEL 5052: Temporarily withheld	Velsicol
VEL 5026: Temporarily withheld	Velsicol
VEL 5028: Temporarily withheld	Velsicol
VEL 4359: Dicamba (3,6-dichloro-o-anisic acid)	Velsicol
Vernolate: (Vernam): S-propyl dipropylthiocarbamate	Stauffer
2.4-DB: (Butrac)	Amchem
X-77: Non-ionic surfactant	Chevron

Precipitation - 1975
Spindletop - Maine Chance

Day	May	June	July	August
1	0.00	0.60	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.16	0.00	0.08
4	0.40	0.00	0.00	0.09
5	0.00	0.88	0.00	0.68
6	0.00	Trace	0.10	0.00
7	0.58	0.00	0.00	0.00
8	0.34	0.00	0.00	0.00
9	Trace	0.00	0.00	0.00
10	0.37	0.06	0.00	0.00
11	0.00	0.29	0.01	0.00
12	0.08	0.18	Trace	0.00
13	0.00	0.07	0.24	0.00
14	0.00	0.09	0.00	Trace
15	0.29	0.00	0.00	0.46
16	Trace	0.00	0.00	1.95
17	0.26	0.21	0.40	0.06
18	0.01	0.57	1.09	0.46
19	0.00	0.00	0.13	0.00
20	0.00	0.00	0.01	0.00
21	0.00	0.00	Trace	0.00
22	0.00	0.52	0.00	0.00
23	0.40	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.01	1.41	0.00
26	0.00	0.67	0.00	0.00
27	0.02	1.18	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.41	0.00	0.00	0.00
30	0.00	0.00	0.00	0.27
31	0.49		0.00	0.12
Sums	3.65	5.49	3.39	4.17
Norms	4.16	4.31	4.83	3.40

Techniques Used in Herbicide Trials

- Design:** Trials were designed as randomized complete blocks with four replications of plots 2 rows wide by 30 to 40 feet long with border rows except in no-till corn and soybeans.
- Application:** Treatments were applied with a CO₂ sprayer. Herbicides were incorporated with a power driven rototiller.
- Rating:** Weed control was rated on a 0 to 10 scale where 0 equals no control and 10 equals perfect control and 7 is considered commercially acceptable. Crop injury was rated on a 0 to 100 scale also. A rating of 30 and above was considered not to be commercially acceptable.
- Cultivation:** Plots were not cultivated.
- Organic Matter:** Maine Chance Farm: Range 3.2 - 6.1%
Individual organic matter is listed on each experiment.
- pH:** Maine Chance Farm: Range 5.4 - 6.4
Individual pH is listed on each experiment.

Corn Preemergence 1975
Department of Agronomy
University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 20		
			Grasses	Broad- leaf	Crop Injury
1	Aatrex 4L*	2.0	83	98	0
2	Princep 80W	2.0	90	80	0
3	Bladex 4S	3.0	90	63	0
4	Aatrex 4L + Princep 80W	1.0 + 2.0	95	95	0
5	Bladex 4S + Aatrex 4L (mix)	2.0 + 1	83	78	0
6	Bladex 4S + Princep 80W	3.0 + 2.0	93	90	0
7	Aatrex 4L + CGA-24705 6E	1.5 + 2.0	93	88	0
8	Lasso 4E	2.5	93	78	0
9	Lasso 4E + Aatrex 4L (TK mix)	2.0 + 1.0	98	90	0
10	Lasso 4E + Aatrex 4L (flowable)	2.0 + 1.0	88	83	0
11	Lasso 4E + Vel 5026 80W	2.0 + .4	95	90	0
12	Prowl 75W	2.0	85	80	0
13	Prowl 75W + Aatrex 4L	1.5 + 1.5	90	95	0
14	Prowl 75W + Bladex 4S	1.5 + 2.0	93	98	0
15	Foxfour 4S	2.0	93	95	0
16	Foxfour 4S	3.0	95	95	0
17	Foxfour 4S + Lasso 4E	2.0 + 2.0	95	93	0
18	Modown 4L	2.0	78	88	0
19	CGA-18762 80W	3.2	88	83	0
20	CGA-18762 80W + Aatrex 4L	2.1 + .7	88	90	0
21	CGA-18762 80W + Princep 80W	2.1 + .7	78	85	0
22	CGA-18762 80W + Aatrex 4L	2.4 + .8	85	95	0
23	CGA-18762 80W + Princep 80W	2.4 + .8	90	83	0
24	CGA-18762 80W + Lasso 4E	2.0 + 2.0	93	83	0
25	CGA-18762 80W + CGA-24705 6E	1.5 + 1.5	93	73	0
26	CGA-18762 80W + CGA-24705 6E	2.0 + 2.0	93	85	0
27	R-31401 4E	2.0	80	98	0
28	R-31401 4E	3.0	83	98	0
29	NTN 6867 2.5E	4.0	85	55	0
30	NTN 6867 2.5E	6.0	85	80	0
31	NTN 6867 2.5E	8.0	75	73	0
32	NTN 6867 + Aatrex 4L	4.0 + 1.0	83	95	0
33	NTN 6867 + Aatrex 4L	6.0 + 1.0	90	100	0
34	Dowco '290' 3E + Dowco '356' 4E	.25 + 1.0	78	70	0
35	Dowco '290' 3E + Dowco '356' 4E	.5 + 1.0	85	70	0
36	Dowco '356' 4E	.5	63	33	0
37	Dowco '356' 4E	1.0	93	53	0
38	Dowco '356' 4E	2.0	85	68	0
39	Dowco '356' 4E + Aatrex 4L	.5 + 1.0	78	90	0
40	Dowco '356' 4E + Aatrex 4L	.5 + 2.0	95	95	0
41	RH-5205 2E	.5	50	60	0
42	RH-5205 2E + Lasso 4E	.5 + 2.0	93	98	0
43	RH-8817 2E	.5	73	93	30
44	RH-8817 2E + Lasso 4E	.5 + 2.0	93	95	30
45	Vel 5052 2E	2.0	70	53	0
46	Vel 5052 2E	3.0	93	35	0
47	Vel 5026 80W	.25	23	48	0
48	Vel 5207 2E	2.0	45	68	0
49	Vel 4207 2E + Lasso 4E	2.0 + 2.0	93	93	0
50	CHECK	0	100	100	0
LSD (.05)			15	16	0

Corn Preemergence 1975
Department of Agronomy
University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation July 24		
			Grasses	Broad-leaf	Crop Injury
1	Aatrex 4L*	2.0	80	98	0
2	Princep 80W	2.0	88	75	0
3	Bladex 4S	3.0	85	58	0
4	Aatrex 4L + Princep 80W	1.0 + 2.0	95	95	0
5	Bladex 4S + Aatrex 4L (mix)	2.0 + 1	75	80	0
6	Bladex 4S + Princep 80W	3.0 + 2.0	90	88	0
7	Aatrex 4L + CGA-24705 6E	1.5 + 2.0	85	85	0
8	Lasso 4E	2.5	93	75	0
9	Lasso 4E + Aatrex 4L (TK mix)	2.0 + 1.0	98	93	0
10	Lasso 4E + Aatrex 4L (flowable)	2.0 + 1.0	85	80	0
11	Lasso 4E + Vel 5026 80W	2.0 + .4	95	85	0
12	Prowl 75W	2.0	85	60	0
13	Prowl 75W + Aatrex 4L	1.5 + 1.5	88	95	0
14	Prowl 75W + Bladex 4S	1.5 + 2.0	90	95	0
15	Foxfour 4S	2.0	90	98	0
16	Foxfour 4S	3.0	95	95	0
17	Foxfour 4S + Lasso 4E	2.0 + 2.0	93	93	0
18	Modown 4L	2.0	73	80	0
19	CGA-18762 80W	3.2	85	68	0
20	CGA-18762 80W + Aatrex 4L	2.1 + .7	85	88	0
21	CGA-18762 80W + Princep 80W	2.1 + .7	75	85	0
22	CGA-18762 80W + Aatrex 4L	2.4 + .8	78	90	0
23	CGA-18762 80W + Princep 80W	2.4 + .8	88	83	0
24	CGA-18762 80W + Lasso 4E	2.0 + 2.0	90	78	0
25	CGA-18762 80W + CGA-24705 6E	1.5 + 1.5	90	68	0
26	CGA-18762 80W + CGA-24705 6E	2.0 + 2.0	93	83	0
27	R-31401 4E	2.0	75	95	0
28	R-31401 4E	3.0	73	95	0
29	NTN 6867 2.5E	4.0	80	50	0
30	NTN 6867 2.5E	6.0	85	50	0
31	NTN 6867 2.5E	8.0	60	68	0
32	NTN 6867 + Aatrex 4L	4.0 + 1.0	75	68	0
33	NTN 6867 + Aatrex 4L	6.0 + 1.0	90	100	0
34	Dowco '290' 3E + Dowco '356' 4E	.25 + 1.0	78	65	0
35	Dowco '290' 3E + Dowco '356' 4E	.5 + 1.0	80	65	0
36	Dowco '356' 4E	.5	43	23	0
37	Dowco '356' 4E	1.0	90	38	0
38	Dowco '356' 4E	2.0	80	60	0
39	Dowco '356' 4E + Aatrex 4L	.5 + 1.0	75	90	0
40	Dowco '356' 4E + Aatrex 4L	.5 + 2.0	88	93	0
41	RH-5205 2E	.5	43	50	0
42	RH-5205 2E + Lasso 4E	.5 + 2.0	93	98	0
43	RH-8817 2E	.5	63	88	0
44	RH-8817 2E + Lasso 4E	.5 + 2.0	93	95	0
45	Vel 5052 2E	2.0	60	40	0
46	Vel 5052 2E	3.0	93	43	0
47	Vel 5026 80W	.25	15	45	0
48	Vel 5207 2E	2.0	43	63	0
49	Vel 4207 2E + Lasso 4E	2.0 + 2.0	93	85	0
50	CHECK	0	100	100	0
LSD (.05)			19	17	0

July 24

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Pig-weed	Velvet-leaf	Yield bu/A	Corn Plant 100/A
1	Aatrex 4L*	2.0	85	85	69	21.6
2	Princep 80W	2.0	68	68	59	20.6
3	Bladex 4S	3.0	50	73	63	20.9
4	Aatrex 4L + Princep 80W	1.0 + 2.0	88	88	72	19.0
5	Bladex 4S + Aatrex 4L (mix)	2.0 + 1	73	75	70	22.3
6	Bladex 4S + Princep 80W	3.0 + 2.0	83	88	82	23.0
7	Aatrex 4L + CGA-24705 6E	1.5 + 2.0	88	80	74	21.7
8	Lasso 4E	2.5	78	68	53	21.7
9	Lasso 4E + Aatrex 4L (TK mix)	2.0 + 1.0	90	83	86	19.9
10	Lasso 4E + Aatrex 4L (flowable)	2.0 + 1.0	78	70	80	20.3
11	Lasso 4E + Vel 5026 80W	2.0 + .4	83	73	58	19.2
12	Prowl 75W	2.0	75	78	69	24.4
13	Prowl 75W + Aatrex 4L	1.5 + 1.5	85	85	76	22.0
14	Prowl 75W + Bladex 4S	1.5 + 2.0	83	80	69	22.4
15	Foxfour 4S	2.0	90	88	78	23.4
16	Foxfour 4S	3.0	90	90	74	20.3
17	Foxfour 4S + Lasso 4E	2.0 + 2.0	85	75	83	20.9
18	Modown 4L	2.0	80	80	65	20.9
19	CGA-18762 80W	3.2	75	80	62	20.9
20	CGA-18762 80W + Aatrex 4L	2.1 + .7	85	80	61	17.8
21	CGA-18762 80W + Princep 80W	2.1 + .7	80	70	74	20.9
22	CGA-18762 80W + Aatrex 4L	2.4 + .8	85	80	77	21.7
23	CGA-18762 80W + Princep 80W	2.4 + .8	80	88	68	22.0
24	CGA-18762 80W + Lasso 4E	2.0 + 2.0	83	75	65	20.3
25	CGA-18762 80W + CGA-24705 6E	1.5 + 1.5	78	78	59	20.6
26	CGA-18762 80W + CGA-24705 6E	2.0 + 2.0	85	85	73	21.3
27	R-31401 4E	2.0	83	83	62	18.9
28	R-31401 4E	3.0	83	83	73	20.3
29	NTN 6867 2.5E	4.0	48	58	49	19.6
30	NTN 6867 2.5E	6.0	68	68	55	21.6
31	NTN 6867 2.5E	8.0	73	68	56	20.6
32	NTN-6867 + Aatrex 4L	4.0 + 1.0	80	78	68	19.6
33	NTN 6867 + Aatrex 4L	6.0 + 1.0	88	88	81	20.9
34	Dowco '290' 3E + Dowco '356' 4E	.25 + 1.0	75	65	60	20.6
35	Dowco '290' 3E + Dowco '356' 4E	.5 + 1.0	78	63	67	22.0
36	Dowco '356' 4E	.5	65	48	41	18.9
37	Dowco '356' 4E	1.0	78	63	44	22.0
38	Dowco '356' 4E	2.0	75	60	49	17.8
39	Dowco '356' 4E + Aatrex 4L	.5 + 1.0	85	73	72	20.3
40	Dowco '356' 4E + Aatrex 4L	.5 + 2.0	85	85	72	20.9
41	RH-5205 2E	.5	63	73	52	19.9
42	RH-5205 2E + Lasso 4E	.5 + 2.0	88	88	67	22.7
43	RH-8817 2E	.5	73	75	70	22.3
44	RH-8817 2E + Lasso 4E	.5 + 2.0	88	88	78	21.3
45	Vel 5052 2E	2.0	63	63	43	21.3
46	Vel 5052 2E	3.0	73	55	59	20.9
47	Vel 5026 80W	.25	65	60	36	18.9
48	Vel 5207 2E	2.0	63	60	41	17.2
49	Vel 4207 2E + Lasso 4E	2.0 + 2.0	83	80	68	18.9
50	CHECK	0	88	88	88	21.3
LSD (.05)			13	15	18	NS

*All treatments are preemergence

Location: Maine Chance

Treated and Planted: May 12

Variety: 3369A

Soil Type: Silt loam, O.M. 3.8, pH 5.6

Fertilization: 400 lbs/A 16-16-16 + 200 lbs/A N

Corn - Preplant Incorporated 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 20		
			Grasses	Broad- leaf	Crop Injury
1	Eradicane 6.7E*	3.0	80	58	0
2	Eradicane 6.7E + Bladex 4S	4.0 + 2.0	90	80	0
3	Eradicane 6.7E + Aatrex 4L	3.0 + 1.0	93	85	0
4	Sutan + 6.7E	4.0	80	48	0
5	Vernam + 6.7E	4.0	83	55	0
6	Bladex 4S + Aatrex 4L (Mix)	2.0	73	65	0
7	R-31401 2E	2.0	70	60	0
8	R-31401 2E	3.0	48	60	0
9	R-31401 2E + Eradicane 6.7E	1.0 + 3.0	90	73	0
10	R-31401 2E + Eradicane 6.7E	2.0 + 3.0	90	80	0
11	R-31401 2E + Sutan + 6.7E	1.0 + 3.0	90	70	0
12	R-31401 2E + Vernam + 6.7E	1.0 + 3.0	88	83	0
13	Vel-5026 80W	.25	60	50	0
14	Vel-5026 80W	.5	55	53	0
15	Vel-5026 80W + Vel-5052 2E	.25 + 3.0	73	45	0
16	Vel-5026 80W + Vel-5052 2E	.5 + 3.0	83	50	0
17	CGA-18762 4L	3.0	78	58	0
18	CGA-24705 6E + Aatrex 4L	2.0 + .25	80	48	0
19	CGA-18762 80W + Aatrex 4L	2.1 + .7	68	70	0
20	CGA-18762 80W + Aatrex 4L	2.4 + .8	85	80	0
21	CGA-18762 80W + Princep 80W	2.1 + .7	78	50	0
22	CGA-18762 80W + Princep 80W	2.4 + .8	75	55	0
23	CGA-18762 80W + Lasso 4E	2.0 + 2.0	83	53	0
24	CGA-18762 80W + CGA-24705 6E	1.5 + 1.5	83	45	0
25	CGA-18762 80W + CGA-24705 6E	2.0 + 2.0	80	65	0
26	CGA-18762 80W	3.2	75	50	0
27	RH-8817 2E	.5	68	43	0
28	RH-8817 2E	1.0	75	48	0
29	RH-8817 2E + Sutan + 6.7E	1.0 + 4.0	93	80	0
30	Vel-5052 2E	3.0	80	60	0
31	Vel-4207 2E	2.0	60	53	0
32	Vel-4207 2E + Vel-5052 2E	2.0 + 3.0	70	58	0
33	Vel-4207 2E + Sutan 6.7E	2.0 + 4.0	83	63	0
34	CHECK	0	100	100	0
LSD (05)			17	16	0

Corn - Preplant Incorporated 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation July 24		
			Grasses	Broad- leaf	Crop Injury
1	Eradicane 6.7E*	3.0	75	63	0
2	Eradicane 6.7E + Bladex 4S	4.0 + 2.0	85	73	0
3	Eradicane 6.7E + Aatrex 4L	3.0 + 1.0	90	88	0
4	Sutan + 6.7E	4.0	78	40	0
5	Vernam + 6.7E	4.0	83	60	0
6	Bladex 4S + Aatrex 4L (Mix)	2.0	70	70	0
7	R-31401 2E	2.0	60	35	28
8	R-31401 2E	3.0	55	65	0
9	R-31401 2E + Eradicane 6.7E	1.0 + 3.0	90	78	0
10	R-31401 2E + Eradicane 6.7E	2.0 + 3.0	90	78	0
11	R-31401 2E + Sutan + 6.7E	1.0 + 3.0	85	75	0
12	R-31401 2E + Vernam + 6.7E	1.0 + 3.0	83	78	0
13	Vel-5026 80W	.25	65	50	5
14	Vel-5026 80W	.5	65	60	0
15	Vel-5026 80W + Vel-5052 2E	.25 + 3.0	75	53	0
16	Vel-5026 80W + Vel 5052 2E	.5 + 3.0	90	63	0
17	CGA-18762 4L	3.0	83	60	0
18	CGA-24705 6E + Aatrex 4L	2.0 + .25	88	40	0
19	CGA-18762 80W + Aatrex 4L	2.1 + .7	83	78	0
20	CGA-18762 80W + Aatrex 4L	2.4 + .8	83	80	0
21	CGA-18762 80W + Princep 80W	2.1 + .7	75	60	0
22	CGA-18762 80W + Princep 80W	2.4 + .8	85	65	0
23	CGA-18762 80W + Lasso 4E	2.0 + 2.0	88	45	0
24	CGA-18762 80W + CGA-24705 6E	1.5 + 1.5	85	53	0
25	CGA-18762 80W + CGA-24705 6E	2.0 + 2.0	83	68	0
26	CGA-18762 80W	3.2	83	50	0
27	RH-8817 2E	.5	65	45	0
28	RH-8817 2E	1.0	75	40	0
29	RH-8817 2E + Sutan + 6.7E	1.0 + 4.0	90	83	0
30	Vel-5052 2E	3.0	75	48	0
31	Vel-4207 2E	2.0	63	50	0
32	Vel-4207 2E + Vel-5052 2E	2.0 + 3.0	73	50	0
33	Vel-4207 2E + Sutan + 6.7E	2.0 + 4.0	85	63	0
34	CHECK	0	100	100	0
LSD (05)			13	14	6

Corn - Preplant Incorporated 1975
Department of Agronomy
University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Pig-weed	Cockle-bur	Jimson-weed	Yield Bu/A	Plants 100/A
1	Eradicane 6.7E*	3.0	85	73	83	43	20.4
2	Eradicane 6.7E + Bladex 4S	4.0 + 2.0	88	75	88	87	22.7
3	Eradicane 6.7E + Aatrex 4L	3.0 + 1.0	90	90	85	66	20.4
4	Sutan + 6.7E	4.0	73	70	73	42	20.7
5	Vernam + 6.7E	4.0	88	68	78	60	21.4
6	Bladex 4S + Aatrex 4L (mix)	2.0	80	85	85	64	23.1
7	R-31401 2E	2.0	50	85	75	44	19.7
8	R-31401 2E	3.0	75	78	80	66	20.7
9	R-31401 2E + Eradicane 6.7E	1.0 + 3.0	90	78	88	71	19.7
10	R-31401 2E + Eradicane 6.7E	2.0 + 3.0	90	80	88	92	22.1
11	R-31401 2E + Sutan + 6.7E	1.0 + 3.0	88	78	85	62	20.4
12	R-31401 2E + Vernam + 6.7E	1.0 + 3.0	88	78	85	75	20.0
13	Vel-5026 80W	.25	78	78	75	46	19.3
14	Vel-5026 80W	.5	75	75	78	52	19.3
15	Vel-5026 + Vel-5052 2E	.25 + 3.0	78	78	83	49	21.0
16	Vel-5026 80W + Vel 5052 2E	.5 + 3.0	83	83	83	61	19.7
17	CGA-18 762 4L	3.0	70	80	73	45	20.7
18	CGA-24705 6E + Aatrex 4L	2.0 + .25	75	78	80	49	18.3
19	CGA-18762 80W + Aatrex 4L	2.1 + .7	90	90	90	75	21.0
20	CGA-18762 80W + Aatrex 4L	2.4 + 8	90	88	90	73	19.7
21	CGA-18762 80W + Princep 80W	2.1 + 7	80	80	78	61	19.8
22	CGA-18762 80W + Princep 80W	2.4 + .8	80	88	83	76	20.0
23	CGA-18762 80W + Lasso 4E	2.0 + 2.0	80	80	80	73	19.3
24	CGA-18762 80W + CGA-24705 6E	1.5 + 1.5	75	83	78	56	19.0
25	CGA-18762 80W + CGA-24705 6E	2.0 + 2.0	83	85	85	58	19.3
26	CGA-18762 80W	3.2	65	80	83	51	21.0
27	RH-8817 2E	.5	75	80	80	48	20.7
28	RH-8817 2E	1.0	88	75	85	54	20.4
29	RH-8817 2E + 6.7E	1.0 + 4.0	90	85	90	63	21.4
30	Vel-5052 2E	3.0	78	85	85	48	20.7
31	Vel-4207 2E	2.0	80	80	80	50	19.7
32	Vel-4207 2E + Vel-5052 2E	2.0 + 3.0	78	83	83	64	23.4
33	Vel-4207 2E + Sutan + 6.7E	2.0 + 4.0	85	83	88	67	22.7
34	CHECK	0	100	100	100	87	19.3

LSD (.05)

11

13

10

17

NS

* All treatments are preplant incorporated

Location: Maine Chance

Variety: 3369A

Fertilization: 400 lbs/A 16-16-16 + 200 lbs/A N

Treated and Planted: May 13

Soil Type: Silt Loam, Q.M 3.7, pH 5.4

Corn Postemergence 1975

Department of Agronomy
University of Kentucky

Tnt. No.	Herbicide Formulation	Rate Lbs/AAI	Visual Evaluation June 20		
			Grasses	Broad- leaf	Crop Injury
1	Eradicane 6.7E* + Basagran 4E***	4.0 + .75	100	100	0
2	Eradicane 6.7E* + Basagran 4E***	4.0 + 1.0	80	80	0
3	Bladex 80W + Aatrex (Mix)***	2.0	98	95	0
4	Bladex 4S + Lithate 95W***	2.0 + 1.0	90	100	0
5	Bladex 80W + Lithate 80W***	2.0 + 1.0	80	98	0
6	Prowl 4E** + Aatrex 4L + oil***	2.0 + 1.5 + 1 gal/A	98	88	0
7	Prowl 4E + Aatrex 4L + oil***	1.5 + 1.5 + 1 gal/A	98	100	0
8	Prowl 4E + Bladex 4S***	1.5 + 2.0	100	88	0
9	Prowl 4E + oil***	2.0 + 1 gal/A	70	85	0
10	Basagran 4E***	.75	30	30	0
11	Basagran 4E***	1.0	45	45	0
12	MBR 12235 4S***	1.0	63	68	88
13	MBR 12235 4S*** (Directed)	1.0	35	35	0
14	MBR 12235 4S*** (Directed)	.5	20	20	0
15	MBR 12235 4S***	.5	38	38	0
16	Evik 80W + MBR 12235 4S***	1.5 + 1.0	73	73	0
17	Prowl 4E** +2,4-D***	2.0 + .75	65	90	0
18	CHECK	0	100	100	0
LSD (.05)			17	16	0

Corn Postemergence 1975

Department of Agronomy
University of Kentucky

Tnt. No.	Herbicide Formulation	Rate Lbs.AAI	Visual Evaluation July 24		
			Grasses	Broad- leaf	Crop Injury
1	Eradicane 6.7E* + Basagran 4E***	4.0 + .75	100	98	0
2	Eradicane 6.7E* + Basagran 4E***	4.0 + 1.0	98	100	0
3	Bladex 80W + Aatrex (Mix)***	2.0	98	93	0
4	Bladex 4S + Lithate 95W***	2.0 + 1.0	80	95	0
5	Bladex 80W + Lithate 80W***	2.0 + 1.0	70	90	0
6	Prowl 4E** + Aatrex 4L + oil***	2.0 + 1.5 + 1 gal/A	98	80	0
7	Prowl 4E + Aatrex 4L + oil***	1.5 + 1.5 + 1 gal/A	88	100	0
8	Prowl 4E + Bladex 4S***	1.5 + 2.0	100	78	0
9	Prowl 4E + oil***	2.0 + 1 gal/A	68	83	0
10	Basagran 4E***	.75	18	18	0
11	Basagran 4E***	1.0	35	38	0
12	MBR 12235 4S***	1.0	63	63	100
13	MBR 12235 4S*** (Directed)	1.0	30	30	0
14	MBR 12235 4S*** (Directed)	.5	18	18	0
15	MBR 12235 4S***	.5	40	25	0
16	Evik 80W + MBR 12235 4S***	1.5 + 1.0	73	73	0
17	Prowl 4E** + 2,4-D***	2.0 + .75	63	90	0
18	CHECK	0	100	100	0
LSD (.05)			13	14	6

Corn Postemergence

Department of Agronomy
University of Kentucky

July 24

Tnt. No.	Herbicide Formulation	Rate Lbs/AAI	Pig- weed	Lambs- quarter	Rag- weed
1	Eradicane 6.7E* + Basagran 4E***	4.0 + .75	90	90	90
2	Eradicane 6.7E* + Basagran 4E***	4.0 + 1.0	83	83	85
3	Blades 80W + Aatrex (Mix)***	2.0	85	88	90
4	Bladex 4S + Lithate 95W***	2.0 + 1.0	88	90	90
5	Bladex 80W + Lithate 80W***	2.0 + 1.0	80	85	85
6	Prowl 4E** + Aatrex 4L + oil***	2.0 + 1.5 + 1 gal/A	88	83	55
7	Prowl 4E + Aatrex 4L + oil***	1.5 + 1.5 + 1 gal/A	90	90	90
8	Prowl 4E + Bladex 4S***	1.5 + 2.0	75	85	85
9	Prowl 4E + oil***	2.0 + 1 gal/A	85	83	60
10	Basagran 4E***	.75	48	73	60
11	Basagran 4E***	1.0	53	73	55
12	MBR 12235 4S***	1.0	65	45	60
13	MBR 12235 4S*** (Directed)	1.0	45	78	60
14	MBR 12235 4S*** (Directed)	.5	45	75	70
15	MBR 12235 4S***	.5	48	80	80
16	Evik 80W + MBR 12235 4S***	1.5 + 1.0	45	75	80
17	Prowl 4E** + 2,4-D***	2.0 + .75	85	85	80
18	CHECK	0	100	100	100
LSD (.05)			11	13	9

Corn Postemergence 1975
Department of Agronomy
University of Kentucky

Tnt. No.	Herbicide Formulation	Rate Lbs/AAI	Yield Bu/A	Plants 100/A
1	Eradicane 6.7E* + Basagran 4E***	4.0 + .75	77	22.4
2	Eradicane 6.7E* + Basagran 4E***	4.0 + 1.0	80	23.4
3	Bladex 80W + Aatrex (Mix)***	2.0	65	21.4
4	Bladex 4S + Lithate 95W***	2.0 + 1.0	79	24.4
5	Bladex 80W + Lithate 80W***	2.0 + 1.0	55	18.0
6	Prowl 4E** + Aatrex 4L + oil***	2.0 + 1.5 + 1 gal/A	58	23.4
7	Prowl 4E + Aatrex 4L + oil***	1.5 + 1.5 + 1 gal/A	64	20.7
8	Prowl 4E + Bladex 4S***	1.5 + 2.0	54	19.3
9	Prowl 4E + oil***	2.0 + 1 gal/A	55	18.3
10	Basagran 4E***	.75	37	23.4
11	Basagran 4E***	1.0	49	19.3
12	MBR 12235 4S***	1.0	0	0
13	MBR 12235 4S*** (Directed)	1.0	44	20.7
14	MBR 12235 4S*** (Directed)	.5	33	19.7
15	MBR 12235 4S***	.5	31	19.0
16	Evik 80W + MBR 12235 4S***	1.5 + 1.0	49	22.7
17	Prowl 4E** + 2,4-D***	2.0 + .75	55	20.4
18	CHECK	0	88	19.3
LSD (.05)			13	10

Method of Application

- * preplant incorporated
- ** preemergence
- *** post emergence

Location: Maine Chance

Variety: 3369A

Fertilization: 400 lbs/A 16-16-16 + 200 lbs/A N

Treated and planted: May 13

Soil Type: Silt loam, O.M. 37, pH 5.5

NO-TILL CORN BLUEGRASS SOD 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 20		
			Grasses	Broadleaf	Sod Kill
1	Aatrex 4L + Princep 80W + Paraquat 2E + X-77	1.0+1.0+.25+.5%	100	100	100
2	Aatrex 4L + Princep 80W + Paraquat 2E + X-77	1.5+1.5+.25+.5%	100	100	100
3	Aatrex 4L + Princep 80W + Roundup 3E	1.0+1.0+2.0	100	100	100
4	Aatrex 4L + Bladex 4S + Paraquat 2E + X-77	1.0+2.0+.25+.5%	95	100	100
5	Aatrex 4L + Bladex 4S + Roundup 3E	1.0+2.0+2.0	100	100	100
6	Aatrex 4L + Paraquat 2E + X-77	2.0+.25+.5%	95	100	100
7	Aatrex 4L + Roundup 3E	2.0+2.0	90	100	100
8	Bladex 4S + Paraquat 2E + X-77	3.0+.25+.5%	85	98	100
9	Bladex 4S + Roundup 3E	3.0+2.0	85	93	100
10	Lasso 4E + Paraquat 2E + X-77	2.5+.25+.5%	48	90	100
11	Lasso 4E + Roundup 3E	2.5+2.0	53	83	100
12	Lasso 4E + Aatrex 4L + Paraquat 2E + X-77	2.5+1.0+.25+.5%	90	100	100
13	Lasso 4E + Bladex 4S + Paraquat 2E + X-77	1.0+2.0+.25+.5%	75	93	100
14	Lasso 4E + Bladex 80W + Paraquat 2E + X-77	1.0+2.0+.25+.5%	73	93	100
15	Princep 80W + Paraquat 2E + X-77	2.0+.25+.5%	100	100	100
16	Princep 80W + Roundup 3E	2.0+2.0	95	100	100
17	Prowl 4E + Aatrex 4L + Paraquat 2E + X-77	2.0+1.5+.25+.5%	100	100	100
18	R-31401 4E + Paraquat 2E + X-77	2.0+.25+.5%	90	98	100
19	R-31401 4E + Paraquat 2E + X-77	3.0+.25+.5%	93	100	100
20	R-31401 4E + Roundup 3E	2.0+2.0	93	95	100
21	R-31401 4E + Roundup 3E	3.0+2.0	93	100	100
22	CGA-18762 80W + CGA-24705 6E + Paraquat 2E + X-77	2.0+2.0+.25+.5%	88	95	100
23	CGA-18762 80W + CGA-24705 6E + Paraquat 2E + X-77	2.0+3.0+.25+.5%	83	85	100
24	CGA-18762 80W + CGA-24705 6E + Roundup 3E	3.0+2.0+2.0	95	95	100
25	CGA-18762 80W + Princep 80W + Roundup 3E	3.0+1.0+2.0	100	100	100
26	CGA-18762 80W + Paraquat 2E + X-77	2.0+.25+.5%	88	98	100
27	CGA-18762 80W + Roundup 3E	2.0+2.0	83	90	100
28	CGA-24705 6E + Aatrex 4L + Paraquat 2E + X-77	2.5+2.0+.25+.5%	95	95	100

NO-TILL CORN BLUEGRASS SOD 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 20		
			Grasses	Broadleaf	Sod Kill
29	CGA-24705 6E + Aatrex 4L + Roundup 3E	1.8+1.3+2.0	93	100	100
30	CGA-24705 6E + Aatrex 4L + Roundup 3E	2.5+2.0+2.0	100	100	100
31	CGA-24705 6E + Princep 80W + Paraquat 2E + X-77	2.5+1.8+.25+.5%	100	100	100
32	CGA-24705 6E + Princep 80W + Roundup 3E	2.5+2.0+2.0	78	98	100
33	CGA-24705 6E + Paraquat 2E + X-77	3.0+.25+.5%	75	88	83
34	CGA-24705 6E + Roundup 3E	3.0+2.0	73	90	100
35	NTN 6867 2.5E + Aatrex 4L + Roundup 3E	4.0+1.0+2.0	95	100	100
36	NTN 6867 2.5E + Aatrex 4L + Roundup 3E	6.0+1.0+2.0	93	100	100
37	NTN 6867 2.5E + Roundup 3E	4.0+2.0	68	90	100
38	NTN 6867 2.5E + Roundup 3E	6.0+2.0	78	93	100
39	Vel 5026 80W + Paraquat 2E + X-77	.25+.25+.5%	55	90	100
40	Vel 5026 80W + Paraquat 2E + X-77	.5+.25+.5%	93	100	100
41	Vel 5028 50W + Paraquat 2E + X-77	.5+.25+.5%	63	88	100
42	Vel 5028 50W + Paraquat 2E + X-77	.75+.25+.5%	55	90	100
43	Vel 5052 2E + Paraquat 2E + X-77	3.0+.25+.5%	48	80	100
44	Vel 4207 2E + Lasso 4E + Paraquat 2E + X-77	2.0+2.5+.25+.5%	55	93	88
45	Vel 4207 2E + Paraquat 2E + X-77	2.0+.25+.5%	45	90	100
46	Vel 4207 2E + Roundup 3E	2.0+2.0	100	100	100
47	CGA-18762 80W + Princep 80W + Paraquat 2E + X-77	2.0+1.0+.25+.5%	90	98	100
48	CGA-18762 80W + Princep 80W + Paraquat 2E + X-77	3.0+1.0+.25+.5%	100	100	100
LSD (05)			16	7	9

NO-TILL CORN BLUEGRASS SOD 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation July 24		
			Grasses	Broadleaf	Sod Kill
1	Aatrex 4L + Princep 80W + Paraquat 2E + X-77	1.0+1.0+.25+.5%	88	98	100
2	Aatrex 4L + Princep 80W + Paraquat 2E + X-77	1.5+1.5+.25+.5%	95	100	100
3	Aatrex 4L + Princep 80W + Roundup 3E	1.0+1.0+2.0	95	100	100
4	Aatrex 4L + Bladex 4S + Paraquat 2E + X-77	1.0+2.0+.25+.5%	88	100	100
5	Aatrex 4L + Bladex 4S + Roundup 3E	1.0+2.0+2.0	93	100	100
6	Aatrex 4L + Paraquat 2E + X-77	2.0+.25+.5%	88	98	100
7	Aatrex 4L + Roundup 3E	2.0+2.0	88	100	100
8	Bladex 4S + Paraquat 2E + X-77	3.0+.25+.5%	83	93	100
9	Bladex 4S + Roundup 3E	3.0+2.0	78	90	100
10	Lasso 4E + Paraquat 2E + X-77	2.5+.25+.5%	48	83	100
11	Lasso 4E + Roundup 3E	2.5+2.0	53	80	100
12	Lasso 4E + Aatrex 4L + Paraquat 2E + X-77	2.5+1.0+.25+.5%	85	98	100
13	Lasso 4E + Bladex 4S + Paraquat 2E + X-77	1.0+2.0+.25+.5%	70	93	100
14	Lasso 4E + Bladex 80W + Paraquat 2E + X-77	1.0+2.0+.25+.5%	70	90	100
15	Princep 80W + Paraquat 2E + X-77	2.0+.25+.5%	95	100	100
16	Princep 80W + Roundup 3E	2.0+2.0	93	100	100
17	Prowl 4E + Aatrex 4L + Paraquat 2E + X-77	2.0+1.5+.25+.5%	95	100	100
18	R-31401 4E + Paraquat 2E + X-77	2.0+.25+.5%	88	100	100
19	R-31401 4E + Paraquat 2E + X-77	3.0+.25+.5%	83	95	100
20	R-31401 4E + Roundup 3E	2.0+2.0	83	95	100
21	R-31401 4E + Roundup 3E	3.0+2.0	85	100	100
22	CGA-18762 80W + CGA-24705 6E + Paraquat 2E + X-77	2.0+2.0+.25+.5%	80	95	100
23	CGA-18762 80W + CGA-24705 6E + Paraquat 2E + X-77	2.0+3.0+.25+.5%	75	85	100
24	CGA-18762 80W + CGA-24705 6E + Roundup 3E	3.0+2.0+2.0	90	90	100
25	CGA-18762 80W + Princep 80W + Roundup 3E	3.0+1.0+2.0	93	100	100
26	CGA-18762 80W + Paraquat 2E + X-77	2.0+.25+.5%	83	98	100
27	CGA-18762 80W + Roundup 3E	2.0+2.0	68	88	100
28	CGA-24705 6E + Aatrex 4L + Paraquat 2E + X-77	2.5+2.0+.25+.5%	90	95	93

NO-TILL CORN BLUEGRASS SOD 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation July 24		
			Grasses	Broadleaf	Sod Kill
29	CGA-24705 6E + Aatrex 4L + Roundup 3E	1.8+1.3+2.0	93	98	100
30	CGA-24705 6E + Aatrex 4L + Roundup 3E	2.5+2.0+2.0	90	98	100
31	CGA-24705 6E + Princep 80W + Paraquat 2E + X-77	2.5+1.8+.25+.5%	98	100	100
32	CGA-24705 6E + Princep 80W + Roundup 3E	2.5+2.0+2.0	88	98	100
33	CGA-24705 6E + Paraquat 2E + X-77	3.0+.25+.5%	68	88	75
34	CGA-24705 6E + Roundup 3E	3.0+2.0	68	85	100
35	NTN 6867 2.5E + Aatrex 4L + Roundup 3E	4.0+1.0+2.0	78	95	100
36	NTN 6867 2.5E + Aatrex 4L + Roundup 3E	6.0+1.0+2.0	88	98	100
37	NTN 6867 2.5E + Roundup 3E	4.0+2.0	58	90	100
38	NTB 6867 2.5E + Roundup 3E	6.0+2.0	70	93	100
39	Vel 5026 80W + Paraquat 2E + X-77	.25+.25+.5%	40	85	100
40	Vel 5026 80W + Paraquat 2E + X-77	.5+.25+.5%	80	98	100
41	Vel 5028 50W + Paraquat 2E + X-77	.5+.25+.5%	48	85	100
42	Vel 5028 50W + Paraquat 2E + X-77	.75+.25+.5%	55	90	100
43	Vel 5052 2E + Paraquat 2E + X-77	3.0+.25+.5%	35	80	100
44	Vel 4207 2E + Lasso 4E + Paraquat 2E + X-77	2.0+2.5+.25+.5%	50	90	100
45	Vel 4207 2E + Paraquat 2E + X-77	2.0+.25+.5%	45	90	100
46	Vel 4207 2E + Roundup 3E	2.0+2.0	98	100	100
47	CGA-18762 80W + Princep 80W + Paraquat 2E + X-77	2.0+1.0+.25+.5%	78	95	100
48	CGA-18762 80W + Princep 80W + Paraquat 2E + X-77	3.0+1.0+.25+.5%	95	100	100
LSD (.05)			15	7	11

NO-TILL CORN BLUEGRASS SOD 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Yield Bu/A	Corn Plants 100/A
1	Aatrex 4L + Princep 80W + Paraquat 2E + X-77	1.0+1.0+.25+.5%	110	21.4
2	Aatrex 4L + Princep 80W + Paraquat 2E + X-77	1.5+1.5+.25+.5%	110	19.8
3	Aatrex 4L + Princep 80W + Roundup 3E	1.0+1.0+2.0	113	22.4
4	Aatrex 4L + Bladex 45 + Paraquat 2E + X-77	1.0+2.0+.25+.5%	125	25.0
5	Aatrex 4L + Bladex 45 + Roundup 3E	1.0+2.0+2.0	122	26.1
6	Aatrex 4L + Paraquat 2E + X-77	2.0+.25+.5%	109	19.8
7	Aatrex 4L + Roundup 3E	2.0+2.0	105	21.0
8	Bladex 4S + Paraquat 2E + X-77	3.0+.25+.5%	106	21.3
9	Bladex 4S + Roundup 3E	3.0+2.0	110	22.0
10	Lasso 4E + Paraquat 2E + X-77	2.5+.25+.5%	77	19.8
11	Lasso 4E + Roundup 3E	2.5+2.0	92	23.1
12	Lasso 4E + Aatrex 4L + Paraquat 2E + X-77	2.5+1.0+.25+.5%	89	26.1
13	Lasso 4E + Bladex 45 + Paraquat 2E + X-77	1.0+2.0+.25+.5%	91	25.2
14	Lasso 4E + Bladex 80W + Paraquat 2E + X-77	1.0+2.0+.25+.5%	95	23.1
15	Princep 80W + Paraquat 2E + X-77	2.0+.25+.5%	123	26.8
16	Princep 80W + Roundup 3E	2.0+2.0	104	25.0
17	Prowl 4E + Aatrex 4L + Paraquat 2E + X-77	2.0+1.5+.25+.5%	128	26.7
18	R-31401 4E + Paraquat 2E + X-77	2.0+.25+.5%	126	25.8
19	R-31401 4E + Paraquat 2E + X-77	3.0+.25+.5%	109	24.1
20	R-31401 4E + Roundup 3E	2.0+2.0	104	23.3
21	R-31401 4E + Roundup 3E	3.0+2.0	104	23.3
22	CGA-18762 80W + CGA-24705 6E + Paraquat 2E + X-77	2.0+2.0+.25+.5%	111	22.1
23	CGA-18762 80W + CGA-24705 6E + Paraquat 2E + X-77	2.0+3.0+.25+.5%	103	25.1
24	CGA-18762 80W + CGA-24705 6E + Roundup 3E	3.0+2.0+2.0	114	22.3
25	CGA-18762 80W + Princep 80W + Roundup 3E	2.0+1.0+2.0	108	24.2
26	CGA-18762 80W + Paraquat 2E + X-77	2.0+.25+.5%	113	22.3
27	CGA-18762 80W + Roundup 3E	2.0+2.0	100	21.3
28	CGA-24705 6E + Aatrex 4L + Paraquat 2E + X-77	2.5+2.0+.25+.5%	86	22.4

NO-TILL CORN BLUEGRASS SOD 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Yield Bu/A	Corn Plants 100/A
29	CGA-24705 6E + Aatrex 4L + Roundup 3E	1.8+1.3+2.0	110	25.2
30	CGA-24705 6E + Aatrex 4L + Roundup 3E	2.5+2.0+2.0	103	25.2
31	CGA-24705 6E + Princep 80W + Paraquat 2E + X-77	2.5+1.8+.25+.5%	123	26.2
32	CGA-24705 6E + Princep 80W + Roundup 3E	2.5+2.0+2.0	94	21.0
33	CGA-24705 6E + Paraquat 2E + X-77	3.0+.25+.5%	62	21.6
34	CGA-24705 6E + Roundup 3E	3.0+2.0	94	22.3
35	NTN 6867 2.5E + Aatrex 4L + Roundup 3E	4.0+1.0+2.0	116	26.8
36	NTN 6867 2.5E + Aatrex 4L + Roundup 3E	6.0+1.0+2.0	116	27.0
37	NTN 6867 2.5E + Roundup 3E	4.0+2.0	112	25.1
38	NTN 6867 2.5E + Roundup 3E	6.0+2.0	97	24.0
39	Vel 5026 80W + Paraquat 2E + X-77	.25+.25+.5%	79	21.3
40	Vel 5026 80W + Paraquat 2E + X-77	.5+.25+.5%	99	23.8
41	Vel 5028 50W + Paraquat 2E + X-77	.5+.25+.5%	73	21.3
42	Vel 5028 50W + Paraquat 2E + X-77	.75+.25+.5%	86	23.5
43	Vel 5052 2E + Paraquat 2E + X-77	3.0+.25+.5%	67	23.0
44	Vel 4207 2E + Lasso 4E + Paraquat 2E + X-77	2.0+2.5+.25+.5%	57	22.0
45	Vel 4207 2E + Paraquat 2E + X-77	2.0+.25+.5%	101	25.0
46	Vel 4207 2E + Roundup 3E	2.0+2.0	99	24.3
47	CGA-18762 80W + Princep 80W + Paraquat 2E + X-77	2.0+1.0+.25+.5%	93	22.1
48	CGA-18762 80W + Princep 80W + Paraquat 2E + X-77	3.0+1.0+.25+.5%	113	25.1
LSD (.05)			24	NS

*All treatments are preemergence

Location: Maine Chance

Variety: 3369 A

Fertilization: 400 lbs/A 16-16-16 + 200 lbs/A N

Treated: May 14

Planted May 22

Soil Type: Silt Loam, O.M. 4.0, pH 6.0

No-Till Corn Stalkland 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 20			Visual Evaluation July 24		
			Gras- ses	Broad- leaf	Crop Injury	Gras- ses	Broad- leaf	Crop Injury
1	Aatrex 4L + Princep 80W + Paraquat 2E + X-77	1.0 + 1.0 + .25 + .5%	75	95	0	75	95	0
2	Aatrex 4L + Princep 80W + Paraquat 2E + X-77	1.5 + 1.5 + .25 + .5%	85	95	0	85	95	0
3	Aatrex 4L + Princep 80W + Roundup 3E	1.0 + 1.0 + 2.0	95	95	0	90	90	0
4	Aatrex 4L + Bladex 4S + Paraquat 2E + X-77	1.0 + 2.0 + .25 + .5%	75	100	0	70	95	0
5	Aatrex 4L + Bladex 4S + Roundup 3E	1.0 + 2.0 + 2.0	45	90	0	45	90	0
6	Aatrex 4L + Paraquat 2E + X-77	2.0 + .25 + .5%	75	95	0	65	95	0
7	Aatrex 4L + Roundup 3E	2.0 + 2.0	85	100	0	70	95	0
8	Bladex 4S + Paraquat 2E + X-77	3.0 + .25 + .5%	80	35	0	80	35	0
9	Bladex 4S + Roundup 3E	3.0 + 2.0	75	20	0	75	20	0
10	Lasso 4E + Paraquat 2E + X-77	2.5 + .25 + .5%	50	85	0	45	85	0
11	Lasso 4E + Roundup 3E	2.5 + 2.0	65	80	0	60	60	0
12	Lasso 4E + Aatrex 4L + Paraquat 2E + X-77	2.5 + 1.0 + .25 + .5%	70	95	0	65	90	0
13	Lasso 4E + Bladex 4S + Paraquat 2E + X-77	1.0 + 2.0 + .25 + .5%	60	50	0	70	25	0
14	Lasso 4E + Bladex 80W + Paraquat 2E + X-77	1.0 + 2.0 + .25 + .5%	45	35	0	45	35	0
15	Princep 80W + Paraquat 2E + X-77	2.0 + .25 + .5%	90	95	0	85	85	0
16	Princep 80W + Roundup 3E	2.0 + 2.0	100	100	0	100	100	0
17	Prowl 4E + Aatrex 4L + Paraquat 2E + X-77	2.0 + 1.5 + .25 + .5%	90	90	0	55	85	0
18	R-31401 2E + Paraquat 2E + X-77	2.0 + .25 + .5%	25	100	0	20	100	0
19	R-31401 2E + Paraquat 2E + X-77	3.0 + .25 + .5%	65	90	0	65	90	0
20	R-31401 2E + Roundup 3E	2.0 + 2.0	60	90	0	60	90	0
21	R-31401 2E + Roundup 3E	3.0 + 2.0	40	90	0	35	90	0
22	CGA-18762 80W + CGA-24705 6E + Paraquat 2E +X-77	2.0 + 2.0 + .25 + .5%	80	55	0	75	50	0
23	CGA-18762 80W + CGA-24705 6E + Paraquat 2E +X-77	2.0 + 3.0 + .25 + .5%	85	85	0	80	80	0
24	CGA-18762 80W + CGA-24705 6E + Roundup 3E	3.0 + 2.0 + 2.0	95	75	0	85	70	0
25	CGA-18762 80W + Princep 80W + Roundup 3E	3.0 + 1.0 + 2.0	100	90	0	95	85	0
26	CGA-18762 80 W + Paraquat 2E + X-77	2.0 + .25 + .5%	50	45	0	50	45	0
27	CGA-18762 80W + Roundup 3E	2.0 + 2.0	65	40	0	65	40	0
28	CGA-24705 6E + Aatrex 4L + Paraquat 2E + X-77	2.5 + 2.0 + .25 + .5%	90	100	0	90	95	0
29	CGA-24705 6E + Aatrex 4L + Roundup 3E	1.8 + 1.3 + 2.0	70	90	0	65	90	0
30	CGA-24705 6E + Aatrex 4L + Roundup 3E	2.5 + 2.0 + 2.0	75	95	0	70	95	0

No-Till Corn Stalkland 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 20			Visual Evaluation July 24		
			Gras- ses	Broad- leaf	Crop Injury	Gras- ses	Broad- leaf	Crop Injury
31	CGA-24705 6E + Princep 80W + Paraquat 2E + X-77	2.5 + 1.8 + .25 + .5%	95	100	0	90	95	0
32	CGA-24705 6E + Princep 80W + Roundup 3E	2.5 + 2.0 + 2.0	95	95	0	90	90	0
33	CGA-24705 6E + Paraquat 2E + X-77	3.0 + .25 + .5%	75	75	0	75	75	0
34	CGA-24705 6E + Roundup 3E	3.0 + 2.0	60	80	0	60	70	0
35	NTN-6867 2.5E + Aatrex 4L + Roundup 3E	4.0 + 1.0 + 2.0	75	90	0	75	90	0
36	NTN-6867 2.5E + Aatrex 4L + Roundup 3E	6.0 + 1.0 + 2.0	70	75	0	70	75	0
37	NTN-6867 2.5E + Roundup 3E	4.0 + 2.0	70	75	0	70	35	0
38	NTN-6867 2.5E + Roundup 3E	6.0 + 2.0	25	70	0	25	60	0
39	Vel-5026 80W + Paraquat 2E + X-77	.25 + .25 + .5%	55	75	0	55	75	0
40	Vel-5026 80W + Paraquat 2E + X-77	.5 + .25 + .5%	90	100	0	80	90	0
41	Vel-5028 50W + Paraquat 2E + X-77	.5 + .25 + .5%	25	60	0	25	60	0
42	Vel-5028 50W + Paraquat 2E + X-77	.75 + .25 + .5%	40	60	0	40	60	0
43	Vel-5052 2E + Paraquat 2E + X-77	3.0 + .25 + .5%	55	40	0	55	30	0
44	Vel-4207 2E + Lasso 4E + Paraquat 2E + X-77	2.0 + .5 + .25 + .5%	55	90	0	55	80	0
45	Vel-4207 2E + Paraquat 2E + X-77	2.0 + .25 + .5%	25	45	0	25	45	0
46	Vel-4207 2E + Roundup 3E	2.0 + 2.0	30	60	0	25	50	0
47	CGA-18762 80W + Princep 80W + Paraquat 2E + X-77	2.0 + 1.0 + .25 + .5%	70	85	0	70	50	0
48	CGA-18762 80W + Princep 80W + Paraquat 2E + X-77	3.0 + 1.0 + .25 + .5%	75	70	0	75	70	0
LSD (.05)			33	43	0	31	43	0

All treatments are preemergence

Location: Main Chance

Variety: 3369 A

Fertilization: 400 lbs/A 16-16-16 + 200 lbs/A N

Treated: May 14

Planted: May 22

Soil Type: Silt Loam, O.M. 4.0, pH 6.0

No-Till Corn Stalkland 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Yield Bu/A	Plants 100/A
1	Aatrex 4L + Princep 80W + Paraquat 2E + X-77	1.0 + 1.0 + .25 + .5%	75	23.8
2	Aatrex 4L + Princep 80W + Paraquat 2E + X-77	1.5 + 1.5 + .25 + .5%	81	24.4
3	Aatrex 4L + Princep 80W + Roundup 3E	1.0 + 1.0 + 2.0	78	24.4
4	Aatrex 4L + Bladex 4S + Paraquat 2E + X-77	1.0 + 2.0 + .25 + .5%	60	23.1
5	Aatrex 4L + Bladex 4S + Roundup 3E	1.0 + 2.0 + 2.0	70	21.7
6	Aatrex 4L + Paraquat 2E + X-77	2.0 + .25 + .5%	67	24.1
7	Aatrex 4L + Roundup 3E	2.0 + 2.0	99	22.4
8	Bladex 4S + Paraquat 2E + X-77	3.0 + .25 + .5%	38	21.4
9	Bladex 4S + Roundup 3E	3.0 + 2.0	58	24.8
10	Lasso 4E + Paraquat 2E + X-77	2.5 + .25 + .5%	56	20.0
11	Lasso 4E + Roundup 3E	2.5 + 2.0	55	23.1
12	Lasso 4E + Aatrex 4L + Paraquat 2E + X-77	2.5 + 1.0 + .25 + .5%	67	23.1
13	Lasso 4E + Bladex 4S + Paraquat 2E + X-77	1.0 + 2.0 + .25 + .5%	52	23.1
14	Lasso 4E + Bladex 80W + Paraquat 2E + X-77	1.0 + 2.0 + .25 + .5%	65	23.1
15	Princep 80W + Paraquat 2E + X-77	2.0 + .25 + .5%	68	26.8
16	Princep 80W + Roundup 3E	2.0 + 2.0	66	23.8
17	Prowl 4E + Aatrex 4L + Paraquat 2E + X-77	2.0 + 1.5 + .25 + .5%	99	25.1
18	R-31401 2E + Paraquat 2E + X-77	2.0 + .25 + .5%	61	19.0
19	R-31401 2E + Paraquat 2E + X-77	3.0 + .25 + .5%	73	24.8
20	R-31401 2E + Roundup 3E	2.0 + 2.0	71	22.4
21	R-31401 2E + Roundup 3E	3.0 + 2.0	74	19.0
22	CGA-18762 80W + CGA-24705 6E + Paraquat 2E + X-77	2.0 + 2.0 + .25 + .5%	51	22.7
23	CGA-18762 80W + CGA-24705 6E + Paraquat 2E + X-77	2.0 + 3.0 + .25 + .5%	61	25.8
24	CGA-18762 80W + CGA-24705 6E + Roundup 3E	3.0 + 2.0 + 2.0	93	25.5
25	CGA-18762 80W + Princep 80W + Roundup 3E	3.0 + 1.0 + 2.0	78	22.4
26	CGA-18762 80W + Paraquat 2E + X-77	2.0 + .25 + .5%	42	23.8
27	CGA-18762 80W + Roundup 3E	2.0 + 2.0	55	23.0
28	CGA-24705 6E + Aatrex 4L + Paraquat 2E + X-77	2.5 + 2.0 + .25 + .5%	64	25.5
29	CGA-24705 6E + Aatrex 4L + Roundup 3E	1.8 + 1.3 + 2.0	69	20.7
30	CGA-24705 6E + Aatrex 4L + Roundup 3E	2.5 + 2.0 + 2.0	75	23.8

No-Till Corn Stalkland 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Yield Bu/A	Plants 100/A
31	CGA-24705 6E + Princep 80W + Paraquat 2E + X-77	2.5 + 1.8 + .25 + .5%	87	22.7
32	CGA-24705 6E + Princep 80W + Roundup 3E	2.5 + 2.0 + 2.0	63	27.8
33	CGA-24705 6E + Paraquat 2E + X-77	3.0 + .25 + .5%	63	25.5
34	CGA-24705 6E + Roundup 3E	3.0 + 2.0	74	23.8
35	NTN-6867 2.5E + Aatrex 4L + Roundup 3E	4.0 + 1.0 + 2.0	73	21.7
36	NTN-6867 2.5E + Aatrex 4L + Roundup 3E	6.0 + 1.0 + 2.0	76	25.0
37	NTN-6867 2.5E + Roundup 3E	4.0 + 2.0	41	20.4
38	NTN-6867 2.5E + Roundup 3E	6.0 + 2.0	72	24.8
39	Vel-5026 80W + Paraquat 2E + X-77	.25 + .25 + .5%	75	23.1
40	Vel-5026 80W + Paraquat 2E + X-77	.5 + .25 + .5%	49	25.1
41	Vel-5028 50W + Paraquat 2E + X-77	.5 + .25 + .5%	53	20.4
42	Vel-5028 50W + Paraquat 2E + X-77	.75 + .25 + .5%	72	22.4
43	Vel-5052 2E + Paraquat 2E + X-77	3.0 + .25 + .5%	42	20.0
44	Vel-4207 2E + Lasso 4E + Paraquat 2E + X-77	2.0 + .5 + .25 + .5%	71	20.7
45	Vel-4207 2E + Paraquat 2E + X-77	2.0 + .25 + .5%	55	25.5
46	Vel-4207 2E + Roundup 3E	2.0 + 2.0	46	23.1
47	CGA-18762 80W + Princep 80W + Paraquat 2E + X-77	2.0 + 1.0 + .25 + .5%	54	24.1
48	CGA-18762 80W + Princep 80W + Paraquat 2E + X-77	3.0 + 1.0 + .25 + .5%	63	23.4

All treatments are preemergence

Location: Maine Chance

Variety: 3369 A

Fertilization: 400 lbs/A 16-16-16 + 200 lbs/A N

Treated: May 14

Planted: May 22

Soil Type: Silt Loam, O.M. 4.0, pH 6.0

Corn Dow - Velsicol 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 20		
			Grasses	Broadleaf	Corp Injury
1	'Dowco 290' 3E *	.25	78	73	0
2	'Dowco 290' 3E	.5	80	80	0
3	'Dowco 290' 3E + 'Dowco 356' 4E	.25 + 1.0	98	90	0
4	'Dowco 290' 3E + 'Dowco 356' 4E	.5 + 1.0	95	90	0
5	'Dowco 290' 3E + Lasso 4E	.25 + 2.0	95	90	0
6	'Dowco 290' 3E + Lasso 4E	.5 + 2.0	98	93	0
7	'Dowco 356' 4E	.5	90	80	0
8	'Dowco 356' 4E	1.0	93	85	0
9	'Dowco 356' 4E	2.0	95	88	0
10	'Dowco 356' 4E + Aatrex 4L	.5 + 1.0	90	93	0
11	'Dowco 356' 4E + Aatrex 4L	.5 + 2.0	98	93	0
12	Vel 5026 80W	.25	83	80	0
13	Vel 5026 80W	.5	90	88	0
14	Vel 5026 80W + Lasso 4E	.5 + 2.0	100	93	0
15	Vel 5028 45W	.5	73	80	0
16	Vel 5028 45W	.75	83	83	0
17	Vel 5028 45W + Lasso 4E	.5 + 2.0	100	90	0
18	Vel 4207 2E	2.0	88	88	0
19	Vel 4207 2E	3.0	88	88	0
20	Vel 4207 2E + Lasso 4E	2.0 + 2.0	98	93	0
21	Vel 5052 2E	2.0	90	85	0
22	Banvel 4S	1.0	90	90	0
23	Check	0	100	100	0
LSD (05)			7	8	0

Corn Dow - Velsicol 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation July 24		
			Grasses	Broadleaf	Crop Injury
1	'Dowco 290' 3E *	.25	60	55	0
2	'Dowco 290' 3E	.5	65	63	0
3	'Dowco 290' 3E + Dowco 356' 4E	.25 + 1.0	88	83	0
4	'Dowco 290' 3E + 'Dowco 356' 4E	.5 + 1.0	85	78	0
5	'Dowco 290' 3E + Lasso 4E	.25 + 2.0	90	80	0
6	'Dowco 290' 3E + Lasso 4E	.5 + 2.0	88	85	0
7	'Dowco 356' 4E	.5	78	63	0
8	'Dowco 356' 4E	1.0	85	65	0
9	'Dowco 356' 4E	2.0	85	75	0
10	'Dowco 356' 4E + Aatrex 4L	.5 + 1.0	83	78	0
11	'Dowco 356' 4E + Aatrex 4L	.5 + 2.0	83	88	0
12	Vel 5026 80W	.25	78	58	0
13	Vel 5026 80W	.5	80	75	0
14	Vel 5026 80W + Lasso 4E	.5 + 2.0	90	88	0
15	Vel 5028 45W	.5	58	65	0
16	Vel 5028 45 W	.75	75	73	0
17	Vel 5028 45W + Lasso 4E	.5 + 2.0	90	88	0
18	Vel 4207 2E	2.0	78	78	0
19	Vel 4207 2E	3.0	68	75	0
20	Vel 4207 + Lasso 4E	2.0 + 2.0	88	90	0
21	Vel 5052 2E	2.0	80	65	0
22	Banvel 4S	1.0	78	73	0
23	Check	0	90	88	0
LSD (05)			11	12	0

Corn Dow - Velsicol 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Yield BU/A	Plants 100/A
1	'Dowco 290' 3E *	.25	69	19.0
2	'Dowco 290' 3E	.5	63	19.0
3	'Dowco 290' 3E + 'Dowco 356' 4E	.25 + 1.0	83	19.7
4	'Dowco 290' 3E + 'Dowco 356' 4E	.5 + 1.0	75	19.0
5	'Dowco 290' 3E + Lasso 4E	.25 + 2.0	80	18.3
6	'Dowco 290' 3E + Lasso 4E	.5 + 2.0	92	19.3
7	'Dowco 356' 4E	.5	80	19.2
8	'Dowco 356' 4E	1.0	64	19.4
9	'Dowco 356' 4 E	2.0	81	19.7
10	'Dowco 356' 4E + Aatrex 4L	.5 + 1.0	79	19.0
11	'Dowco 356' 4E + Aatrex 4L	.5 + 2.0	73	20.0
12	Vel 5026 80W	.25	75	19.7
13	Vel 5026 80W	.5	69	19.3
14	Vel 5026 80W + Lasso 4E	.5 + 2.0	63	19.0
15	Vel 5028 45W	.5	70	20.7
16	Vel 5028 45W	.75	74	18.7
17	Vel 5028 45W + Lasso 4E	.5 + 2.0	80	17.3
18	Vel 4027 2E	2.0	85	18.0
19	Vel 4027 2E	3.0	69	17.3
20	Vel 4027 + Lasso 4E	2.0 + 2.0	79	18.0
21	Vel 5052 2E	2.0	77	19.3
22	Banvel 4S	1.0	62	17.3
23	Check	0	81	19.3
LSD (05)			NS	

* All treatments are preemergence

Location: Maine Chance

Variety: 33698

Fertilization: 400 lbs/A 16-16-16 + 200 lbs/A N

Treated & Planted: May 13

Soil Type: Silt Loam, O.M. 6.1, pH 6.6

Corn Lasso Formulation 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 20		
			Grasses	Broadleaf	Crop Injury
1.	Lasso 4E	2.5	85	80	0
2.	Lasso A 4E	2.5	85	80	0
3.	Lasso B 4E	2.5	90	78	0
4.	Antor	3.0	78	70	0
5.	CGA-2475 6E	2.5	90	80	0
6.	DS-23017 4E	3.0	88	80	0
7.	NTN-6867 2.5E	6.0	73	70	0
8.	Vel-5052 2E	2.5	73	70	0
9.	Check	0	100	100	0
LSD (05)			7	2	0

Corn Lasso Formulation 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Visual Evaluation July 24			Yield Bu/A	Plants 100/A
		Grasses	Broadleaf	Crop Injury		
1.	Lasso 4E	85	73	0	66	22.7
2.	Lasso A 4E	90	70	0	65	20.0
3.	Lasso B 4E	90	68	0	78	20.0
4.	Antor	90	55	0	37	20.7
5.	CGA-24705 6E	90	73	0	71	22.1
6.	DS-23017 4E	88	75	0	64	21.0
7.	NTN-6867 2.5E	90	53	0	27	17.6
8.	Vel-5052 2E	90	55	0	24	20.0
9.	Check	98	98		73	22.4
LSD (05)		6	11	0	1	

All treatments are preemergence

Location: Maine Chance

Variety: 3369A

Fertilization: 400 lb/R 16-16-16 + 200 lbs/A N

Treated and Planted: May 14

Soil Type: Silt Loam, O.M. 6.1, pH 6.6

CORN NUTSEDGE 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 20		
			Grasses	Broadleaf	Crop Injury
1	Basagran 4E***	1.5	65	60	0
2	CGA-24705 6E**	2.0	88	73	0
3	CGA-24705 6E**	3.0	88	73	0
4	CGA-17020 4E**	2.0	88	83	28
5	CGA-17020 4E**	3.0	88	80	33
6	Lasso 4E**	2.0	85	78	0
7	Lasso 4E**	3.0	88	75	0
8	DS-23017 4EC**	2.0	80	80	0
9	DS-23017 4EC**	3.0	85	78	0
10	NTN-6867 2.5E**	4.0	68	70	0
11	NTN-6867 2.5E**	6.0	78	78	0
12	VEL 5052 2E**	2.0	85	75	0
13	VEL 5052 2E**	3.0	85	63	0
14	H-22234 4E**	2.0	75	68	0
15	H-22234 4E**	3.0	85	73	0
16	H-25893 2E**	2.0	80	75	0
17	H-25893 2E**	3.0	90	70	0
18	H-26910 4E**	2.0	83	63	0
19	H-26910 4E**	3.0	88	73	0
20	Vernam 6.7E*	6.0	90	85	0
21	Sutan 6.7E*	6.0	90	73	0
22	Eradicane 6.7E*	6.0	85	73	0
23	GCP-.634 3.07E***	4.0	50	43	40
24	R-37878*	2.0	75	70	0
25	R-37878*	3.0	78	65	0
26	CHECK (Weedy)	0	0	0	0
27	CHECK (Cultivated)	0	100	100	0
LSD (.05)			10	14	16

Method of Application
* Preplant incorporated
** Preemergence
*** Post

Location: Maine Chance
Variety: 3369A
Fertilization: 400 lbs/A 16-16-16 +
200 lbs/A N
Treated & Planted: JUNE 4
Soil Type: Silt Loam, O.M. 6.1, pH 6.6

CORN NUTSEDGE 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation Aug 12			Nutsedge
			Grasses	Broadleaf	Crop Injury	
1	Basagran 4E***	1.5	63	65	0	85
2	CGA-24705 6E**	2.0	78	78	0	88
3	CGA-24705 6E**	3.0	75	75	0	90
4	CGA-17020 4E**	2.0	78	73	25	85
5	CGA-17020 4E**	3.0	80	78	10	88
6	Lasso 4E**	2.0	78	70	0	78
7	Lasso 4E**	3.0	78	78	0	78
8	DS-23017 4EC**	2.0	70	80	0	83
9	DS-23017 4EC**	3.0	78	73	0	78
10	NTN-6867 2.5E**	4.0	65	65	0	75
11	NTN-6867 2.5E**	6.0	70	75	0	78
12	VEL 5052 2E**	2.0	78	75	0	83
13	VEL 5052 2E**	3.0	75	58	0	88
14	H-22234 4E**	2.0	68	63	0	83
15	H-22234 4E**	3.0	80	73	0	78
16	H-25893 2E**	2.0	73	73	0	80
17	H-25893 2E**	3.0	83	73	0	80
18	H-26910 4E**	2.0	68	60	0	83
19	H-26910 4E**	3.0	83	75	0	85
20	Vernam 6.7E*	6.0	80	75	0	88
21	Sutan 6.7E*	6.0	78	65	0	90
22	Eradicane 6.7E*	6.0	73	75	0	88
23	GCP-.634 3.07E***	4.0	53	55	30	85
24	R-37878*	2.0	73	63	0	88
25	R-37878*	3.0	68	63	0	78
26	CHECK (Weedy)	0	0	0	0	0
27	CHECK (Cultivated)	0	100	100	0	100
LSD (.05)			9	15	12	11

Method of Application
* Preplant incorporated
** Preemergence
*** Post

Location: Maine Chance
Variety: 3369A
Fertilization: 400 lbs/A 16-16-16 +
200 lbs/A N
Treated & Planted: JUNE 4
Soil Type: Silt Loam,)M. 6.1, pH 6.6

Soybean Preemergence 1975

Department of Agronomy
University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 21		
			Grasses	Broadleaf	Crop Injury
1	Amiben 6E*	3.0	80	20	0
2	Amiben 6E + Lorox 50W	2.0 + .75	80	58	0
3	Amiben 6E + Lorox 50W	3.0 + 1.0	98	65	0
4	Amiben 6E + Lasso 4E	2.0 + 2.0	95	75	0
5	Metribuzin 50W + Lorox 50W	.38 + .6	80	75	0
6	Metribuzin 50W + Lorox 50W	.38 + .75	78	68	0
7	Metribuzin 50W + Lorox 50W	.5 + .75	78	83	0
8	Metribuzin 50W + Lorox 50W	.75 + 1.5	95	80	33
9	Lasso 4E + Lorox 50W	2.0 + 1.0	88	80	0
10	Lasso 4E + Metribuzin 50W	4.0 + 1.0	70	70	10
11	Lasso 4E + Maloran 50W	1.5 + 1.5	100	87	0
12	Lasso 4E + Dyanap 2E	2.0 + 3 qt.	93	78	0
13	Lasso 4E + Bladex 4S	2.0 + 2.0	95	90	13
14	Lasso 4E + Bladex 80W	2.0 + 2.0	88	75	4
15	Modown 80W	2.0	73	70	0
16	Modown Flowable 4L	2.0	70	43	0
17	Modown 2E	2.0	70	78	3
18	Modown 80W + CGA-24705 6E	1.0 + 2.0	98	63	0
19	Modown 80W + CGA-24705 6E	1.5 + 2.0	95	70	0
20	Prowl 4E + Metribuzin 50W	1.0 + 3.8	90	83	5
21	Prowl 4E + Metribuzin 50W	1.5 + .38	83	83	0
22	Ronstar	1.0	85	80	0
23	Ronstar + Lasso 4E	1.0 + 2.0	95	90	0
24	Metribuzin 50W	.38	70	55	0
25	Metribuzin 50W + Lasso 4E	.38 + 2.0	88	83	0
26	Surflan 75W + Metribuzin 50W	1.0 + .38	85	65	0
27	Surflan 75W + Lorox 50W	1.0 + 1.0	90	70	0
28	Surflan 75W + Dyanap 2E	1.0 + 3 qt.	85	35	0
29	Furloe 4E	2.0	48	23	0
30	RH-2512 2E	1.0	90	85	0
31	Lasso 4E	2.0	95	73	0
32	SD 23027 80W	1.0	63	20	0
33	CGA-24705 6E	1.5	98	50	0
34	CGA-24705 6E	2.0	95	60	0
35	CGA-24705 6E + Maloran 50W*	1.5 + 1.5	98	78	0
36	CGA-24705 6E + Maloran 50W	2.0 + 2.0	98	90	0
37	CGA-24705 6E + Metribuzin 50W	1.5 + .38	95	83	0
38	CGA-24705 6E + Metribuzin 50W	2.0 + .38	98	60	0
39	CGA-24705 6E + Lorox 50W	2.0 + .38	98	70	0
40	CGA-24705 6E + Lorox 50W	1.5 + .75	93	73	0

Soybean Preemergence 1975

Department of Agronomy
University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation		June 21
			Grasses	Broadleaf	Crop Injury
41	CGA-24705 6E + Bladex 4S	1.5 + 2.0	90	73	0
42	CGA-24705 6E + Bladex 4S	2.0 + 2.0	95	85	0
43	CGA-24705 6E + Furloe 4E	2.0 + 2.0	68	53	0
44	FMC 25213 4E	1.5	85	33	0
45	FMC 25213 4E	2.0	95	53	0
46	FMC 25213 4E + Metribuzin 50W	1.5 + .38	95	78	0
47	FMC 25213 4E + Lorox 50W	1.5 + 1.0	95	85	0
48	GCP 5544 6E	2.0	85	33	0
49	GCP 5544 6E + Metribuzin 50W	2.0 + .38	93	75	0
50	NTN 6867 2.5E	4.0	80	30	0
51	NTN 6867 2.5E	6.0	88	45	0
52	NTN 6867 2.5E + Metribuzin 50W	4.0 + .38	80	63	0
53	NTN 6867 2.5E + Metribuzin 50W	4.0 + .5	90	80	0
54	NTN 6867 2.5E + Metribuzin 50W	6.0 + .5	88	78	0
55	H-22234 4E	2.5	90	35	0
56	H-22234 4E + Metribuzin 50W	2.0 + .38	93	83	0
57	H-22234 4E + Lorox 50W	2.0 + 1.0	90	88	0
58	H-22234 4E + Dyanap 2E	2.0 + 3 qt.	93	65	0
59	HOE 23408 3E	1.5	63	10	0
60	HOE 23408 3E	3.0	50	10	0
61	HOE 23408 3E + Lorox 50W	1.0 + 1.0	90	70	0
62	HOE 23408 3E + Lorox 50W	1.5 + 1.0	80	60	0
63	HOE 23408 3E + Metribuzin 50W	1.0 + .38	85	78	0
64	HOE 23408 3E + Metribuzin 50W	1.5 + .38	80	75	0
65	RH 2512 2E + Lasso 4E	1.0 + 2.0	95	80	0
66	RH 2915 2E	.5	88	85	8
67	RH 2915 2E + Lasso 4E	.5 + 2.0	93	90	15
68	SAN 9878 80W	2.0	85	40	0
69	SAN 9878 80W + Metribuzin 50W	2.0 + .38	90	70	0
70	VEL 5052 2E	3.0	95	63	0
71	VEL 5052 2E + Lorox 50W	3.0 + 1.0	95	85	0
72	CHECK	0	100	100	0
LSD (05)			20	22	7

* All treatments are preemergence
Location: Spindletop
Variety: Calland
Fertilization: 400 lbs/A 16-16-16
Planted and treated: May 19
Soil Type: Silt Loam, O.M. 3.8, pH 6.4

Soybean Preemergence 1975
Department of Agronomy
University of Kentucky

Trt. No.	Herbicide Formulation	Rate LBS/AAI	Visual Evaluation July 29		Crop Injury
			Grasses	Broadleaf	
1	Amiben 6E*	3.0	70	15	0
2	Amiben 6E + Lorox 50W	2.0 + .75	80	38	0
3	Amiben 6E + Lorox 50W	3.0 + 1.0	85	50	0
4	Amiben 6E + Lasso 4E	2.0 + 2.0	93	63	0
5	Metribuzin 50W + Lorox 50W	.38 + .6	65	55	0
6	Metribuzin 50W + Lorox 50W	.38 + .75	78	50	0
7	Metribuzin 50W + Lorox 50W	.5 + .75	73	75	0
8	Metribuzin 50W + Lorox 50W	.75 + 1.5	85	73	8
9	Lasso 4E + Lorox 50W	2.0 + 1.0	90	75	0
10	Lasso 4E + Metribuzin 50W	4.0 + 1.0	93	90	0
11	Lasso 4E + Maloran 50W	1.5 + 1.5	90	78	0
12	Lasso 4E + Dyanap 2E	2.0 + 3 qt	93	70	0
13	Lasso 4E + Bladex 4S	2.0 + 2.0	95	83	8
14	Lasso 4E + Bladex 80W	2.0 + 2.0	85	70	8
15	Modown 80W	2.0	65	60	0
16	Modown Flowable 4L	2.0	60	33	0
17	Modown 2E	2.0	68	65	0
18	Modown 80W + CGA-24705 6E	1.0 + 2.0	90	53	0
19	Modown 80W + CGA-24705 6E	1.5 + 2.0	90	55	0
20	Prowl 4E + Metribuzin 50W	1.0 + 3.8	83	65	0
21	Prowl 4E + Metribuzin 50W	1.5 + .38	80	68	0
22	Ronstar	1.0	80	70	0
23	Ronstar + Lasso 4E	1.0 + 2.0	90	80	0
24	Metribuzin 50W	.38	70	43	0
25	Metribuzin 50W + Lasso 4E	.38 + 2.0	88	75	0
26	Surflan 75W + Metribuzin 50W	1.0 + .38	85	40	0
27	Surflan 75W + Lorox 50W	1.0 + 1.0	85	53	0
28	Surflan 75W + Dyanap 2E	1.0 + 3 qt	83	18	0
29	Furloe 4E	2.0	45	13	0
30	RH-2512 2E	1.0	85	73	0
31	Lasso 4E	2.0	90	60	0
32	SD 23027 80W	1.0	55	10	0
33	CGA-24705 6E	1.5	93	30	0
34	CGA-24705 6E	2.0	88	33	0
35	CGA-24705 6E + Maloran 50W*	1.5 + 1.5	90	73	0
36	CGA-24705 6E + Maloran 50W	2.0 + 2.0	98	85	0
37	CGA-24705 6E + Metribuzin 50W	1.5 + .38	90	78	0
38	CGA-24705 6E + Metribuzin 50W	2.0 + .38	93	75	0
39	CGA-24705 6E + Lorox 50W	2.0 + .38	95	58	0
40	CGA-24705 6E + Lorox 50W	1.5 + .75	90	70	0

Soybean Preemergence 1975

Department of Agronomy
University of Kentucky

Trt. No.	Herbicide Formulation	Rate LBS/AAI	Visual Evaluation July 29		
			Grasses	Broadleaf	Crop Injury
41	CGA-24705 6E + Bladex 4S	1.5 + 2.0	88	63	0
42	CGA-24705 6E + Bladex 4S	2.0 + 2.0	95	73	0
43	CGA-24705 6E + Furloe 4E	2.0 + 2.0	68	43	0
44	FMC 25213 4E	1.5	83	28	0
45	FMC 25213 4E	2.0	93	25	0
46	FMC 25213 4E + Metribuzin 50W	1.5 + .38	95	65	0
47	FMC 25213 4E + Lorox 50W	1.5 + 1.0	90	65	0
48	GCP 5544 6E	2.0	75	20	0
49	GCP 5544 6E + Metribuzin 50W	2.0 + .38	90	70	0
50	NTN 6867 2.5E	4.0	78	18	0
51	NTN 6867 2.5E	6.0	83	30	0
52	NTN 6867 2.5E + Metribuzin 50W	4.0 + .38	78	60	0
53	NTN 6867 2.5E + Metribuzin 50W	4.0 + .5	88	60	0
54	NTN 6867 2.5E + Metribuzin 50W	6.0 + .5	85	68	0
55	H-22234 4E	2.5	85	20	0
56	H-22234 4E + Metribuzin 50W	2.0 + .38	88	75	0
57	H-22234 4E + Lorox 50W	2.0 + 1.0	85	78	0
58	H-22234 4E + Dyanap 2E	2.0 + 3 qt.	85	50	0
59	HOE 23408 3E	1.5	60	10	0
60	HOE 23408 3E	3.0	45	10	0
61	HOE 23408 3E + Lorox 50W	1.0 + 1.0	80	48	0
62	HOE 23408 3E + Lorox 50W	1.5 + 1.0	75	45	0
63	HOE 23408 3E + Metribuzin 50W	1.0 + .38	75	58	0
64	HOE 23408 3E + Metribuzin 50W	1.5 + .38	80	63	0
65	RH 2512 2E + Lasso 4E	1.0 + 2.0	90	75	0
66	RH 2915 2E	.5	83	78	0
67	RH 2915 2E + Lasso 4E	.5 + 2.0	93	88	5
68	SAN 9878 80W	2.0	78	15	0
69	SAN 9878 80W + Metribuzin 50W	2.0 + .38	85	58	0
70	VEL 5052 2E	3.0	85	40	0
71	VEL 5052 2E + Lorox 50W	3.0 + 1.0	93	85	0
72	CHECK	0	100	100	0
LSD (05)			22	22	5

*

All treatments are preemergence
Location: Spindletop
Variety: Calland
Fertilization: 400 lbs/A 16-16-16
Planted and treated: May 19
Soil Type: Silt loam, O.M. 3.8, pH 6.4

Soybean Preemergence 1975

Department of Agronomy
University of Kentucky

July 29

Trt. No.	Herbicide Formulation	Rate LBS/AAI	Giant Foxtail	Jimson- weed	Pig- weed	Cockle- bur
1	Amiben 6E*	3.0	68	15	23	15
2	Amiben 6E + Lorox 50W	2.0 + .75	78	15	93	48
3	Amiben 6E + Lorox 50W	3.0 + 1.0	85	28	93	33
4	Amiben 6E + Lasso 4E	2.0 + 2.0	93	20	90	25
5	Metribuzin 50W + Lorox 50W	.38 + .6	65	35	85	33
6	Metribuzin 50W + Lorox 50W	.38 + .75	75	20	73	28
7	Metribuzin 50W + Lorox 50W	.5 + .75	73	40	93	53
8	Metribuzin 50W + Lorox 50W	.75 + 1.5	83	73	100	75
9	Lasso 4E + Lorox 50W	2.0 + 1.0	88	55	98	50
10	Lasso 4E + Metribuzin 50W	4.0 + 1.0	90	68	75	48
11	Lasso 4E + Maloran 50W	1.5 + 1.5	88	63	73	25
12	Lasso 4E + Dyanap 2E	2.0 + 3 qt.	65	48	85	55
13	Lasso 4E + Bladex 4S	2.0 + 2.0	93	43	100	68
14	Lasso 4E + Bladex 80W	2.0 + 2.0	83	73	90	35
15	Modown 80W	2.0	60	30	90	30
16	Modown Flowable 4L	2.0	58	18	85	25
17	Modown 2E	2.0	65	63	95	33
18	Modown 80W + CGA-24705 6E	1.0 + 2.0	68	53	88	13
19	Modown 80W + CGA-24705 6E	1.5 + 2.0	90	58	88	20
20	Prowl 4E + Metribuzin 50W	1.0 + .38	80	53	83	55
21	Prowl 4E + Metribuzin 50W	1.5 + .38	80	43	88	45
22	Ronstar	1.0	78	63	96	28
23	Ronstar + Lasso 4E	1.0 + 2.0	90	78	100	58
24	Metribuzin 50W	.38	68	28	75	25
25	Metribuzin 50W + Lasso 4E	.38 + 2.0	88	73	100	53
26	Surflan 75W + Metribuzin 50W	1.0 + .38	83	10	48	30
27	Surflan 75W + Lorox 50W	1.0 + 1.0	80	15	93	60
28	Surflan 75W + Dyanap 2E	1.0 + 3 qt.	80	23	10	10
29	Furloe 4E	2.0	43	10	10	10
30	RH-2512 2E	1.0	83	68	95	53
31	Lasso 4E	2.0	90	33	90	28
32	SD 23027 80W	1.0	50	10	10	10
33	CGA-24705 6E	1.5	90	38	78	20
34	CGA-24705 6E	2.0	88	38	95	13
35	CGA-24705 6E + Maloran 50W*	1.5 + 1.5	90	35	90	45
36	CGA-24705 6E + Maloran 50W	2.0 + 2.0	98	75	100	65
37	CGA-24705 6E + Metribuzin 50W	1.5 + .38	85	78	95	53
38	CGA-24705 6E + Metribuzin 50W	2.0 + .38	93	63	93	55
39	CGA-24705 6E + Lorox 50W	2.0 + .38	95	38	88	38
40	CGA-24705 6E + Lorox 50W	1.5 + .75	88	55	93	23

Soybean Preemergence 1975

Department of Agronomy
University of Kentucky

July 29

Trt. No.	Herbicide Formulation	Rate LBS/AAI	Giant Foxtail	Jimson- weed	Pig- weed	Cockle- bur
41	CGA-24705 6E + Bladex 4S	1.5 + 2.0	85	63	73	48
42	CGA-24705 6E + Bladex 4S	2.0 + 2.0	93	83	90	55
43	CGA-24705 6E + Furloe 4E	2.0 + 2.0	65	58	75	13
44	FMC 25213 4E	1.5	80	15	78	10
45	FMC 25213 4E	2.0	93	10	100	40
46	FMC 25213 4E + Metribuzin 50W	1.5 + .38	95	30	98	43
47	FMC 25213 4E + Lorox 50W	1.5 + 1.0	90	28	100	73
48	GCP 5544 6E	2.0	73	13	40	25
49	GCP 5544 6E + Metribuzin 50W	2.0 + .38	90	58	90	50
50	NTN 6867 2.5E	4.0	75	10	58	20
51	NTN 6867 2.5E	6.0	83	10	88	20
52	NTN 6867 2.5E + Metribuzin 50W	4.0 + .38	73	30	63	28
53	NTN 6867 2.5E + Metribuzin 50W	4.0 + .5	85	25	83	20
54	NTN 6867 2.5E + Metribuzin 50W	6.0 + .5	83	18	95	35
55	H-22234 4E	2.5	85	10	63	25
56	H-22234 4E + Metribuzin 50W	2.0 + .38	88	50	95	58
57	H-22234 4E + Lorox 50W	2.0 + 1.0	85	60	98	65
58	H-22234 4E + Dyanap 2E	2.0 + 3 qt.	80	75	65	35
59	HOE 23408 3E	1.5	60	10	10	10
60	HOE 23408 3E	3.0	48	10	10	10
61	HOE 23408 3E + Lorox 50W	1.0 + 1.0	78	25	78	38
62	HOE 23408 3E + Lorox 50W	1.5 + 1.0	70	13	70	33
63	HOE 23408 3E + Metribuzin 50W	1.0 + .38	65	28	75	45
64	HOE 23408 3E + Metribuzin 50W	1.5 + .38	75	38	83	63
65	RH 2512 2E + Lasso 4E	1.0 + 2.0	80	83	98	43
66	RH 2915 2E	.5	83	78	93	43
67	RH 2915 2E + Lasso 4E	.5 + 2.0	93	88	100	63
68	SAN 9878 80W	2.0	75	10	10	10
69	SAN 9878 80W + Metribuzin 50W	2.0 + .38	85	18	60	55
70	VEL 5052 2E	3.0	83	13	83	35
71	VEL 5052 2E + Lorox 50W	3.0 + 1.0	93	45	93	55
72	CHECK	0	100	80	90	88
LSD (.05)			24	29	26	23

*

All treatments are preemergence
Location: Spindletop
Variety: Calland
Fertilization: 400 lbs/A 16-16-16
Planted and treated: May 19
Soil type: Silt Loam, O.M. 3.8, pH 6.4

Soybean Preplant Incorporated & Overlay - 1975

Department of Agronomy
University of Kentucky

Visual Evaluation

June 21

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation		
			Gras- ses	Broad- leaf	Crop Injury
1	Amex 4E*	2.5	90	68	0
2	Amex 4E* + Metribuzin 50W**	2.5 + .38	95	83	10
3	Amex 4E* + Metribuzin 50W**	2.5 + .38	90	83	0
4	Amex 4E* + Lorox 50W**	2.5 + 1.0	95	80	8
5	Amex 4E* + Amiben 6E**	2.0 + 2.0	88	70	0
6	Basilin 4E*	1.0	88	58	0
7	Basilin 4E* + Metribuzin 50W**	1.0 + .38	95	95	0
8	Basilin 4E* + Lorox 50W**	1.0 + 1.0	98	88	0
9	Cobex 2E*	.5	88	65	0
10	Cobex 2E + Metribuzin 50W*	.5 + .38	88	88	15
11	Cobex 2E* + Metribuzin 50W**	.5 + .38	93	85	23
12	Cobex 2E* + Bladex 4S**	.5 + 1.0	95	58	13
13	Cobex 2E + VSB 3153 50W*	.25 + .25	90	70	0
14	Cobex 2E* + VSB3153 50W* + Metribuzin 50W**	.25 + .25 + .38	95	88	8
15	Cobex 2E* + San9789 80W**	.5 + 1.0	98	73	0
16	USB 3153 50W*	.38	83	65	5
17	USB 3153 50W*	.5	90	68	5
18	USB 3153 50W* + Metribuzin 50W**	.38 + .38	95	90	0
19	USB 3153 50W* + Lorox 50W**	.38 + 1.0	93	73	5
20	USB 3153 50W* + Bladex 4S**	.38 + 1.0	90	80	20
21	Prowl 4E*	1.5	95	68	0
22	Prowl 4E* + Metribuzin 50W*	1.0 + .38	95	83	13
23	Prowl 4E + Metribuzin 50W*	1.0 + .38	95	85	8
24	Prowl 4E* + Lorox 50W**	1.5 + 1.0	98	80	8
25	Prowl 4E + Dyanap 2E**	1.5 + 3 qt.	95	83	0
26	Prowl 75W*	1.5	95	58	0
27	Metribuzin 50W**	.38	70	70	0
28	Metribuzin 50W*	.38	75	75	0
29	Tolban 4E*	1.0	88	58	0
30	Tolban 4E + Metribuzin 50W	1.0 + .38	95	88	0
31	Tolban 4E + Metribuzin 50W	1.0 + .5	93	90	0
32	Tolban 4E* + Metribuzin 50W**	1.0 + .38	93	85	0
33	Tolban 4E* + Metribuzin 50W**	1.0 + .5	90	95	0
34	Tolban 4E* + Maloran 50W**	1.0 + 1.5	90	75	8
35	Tolban 4E* + Maloran 50W**	1.0 + 2.0	98	75	8
36	Tolban 4E* + Lorox 50W**	1.0 + .75	88	80	0
37	Tolban 4E* + Lorox 50W**	1.0 + 1.0	95	83	5
38	Tolban 4E* + Amiben 6E**	1.0 + 2.5	93	78	0
39	Tolban 4E* + Dyanap 2E**	1.0 + 3 qt.	95	85	0
40	Tolban 4E + Furloe 4E**	1.0 + 1.0	93	63	8
41	Treflan 4E*	.75	90	63	5
42	Treflan 4E* + Amiben 6E**	.75 + 2.0	95	73	0
43	Treflan 4E + Metribuzin 50W*	.75 + .38	95	85	0
44	Treflan 4E*+Metribuzin 50W**+Basagran 4E***	.75 + .38 + 1.0	100	98	0
45	Treflan 4E* + Metribuzin 50W**	.75 + .38	95	85	5
46	Treflan 4E + Metribuzin 50W*	1.0 + .38	88	70	15
47	Treflan 4E + Metribuzin 50W	1.0 + .38	95	88	5
48	Treflan 4E* + Lorox 50W**	.75 + 1.0	95	70	0
49	Treflan 4E* + Bladex 4S**	.75 + 1.0	95	75	0
50	Treflan 4E* + Metribuzin 50W	1.0 + .5	93	93	0

Soybean Preplant Incorporated & Overlay 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 21		
			Gras- ses	Broad- leaf	Crop Injury
51	Treflan 4E* + Metribuzin 50W**	1.0 + .5	95	90	10
52	Vernam + 6.7E*	2.5	95	70	20
53	Vernam + 6.7E* + Basagran 4E***	2.5 + 1.0	95	58	5
54	Vernam + 6.7E + Treflan 4E*	2.5 + .75	98	78	25
55	Vernam + 6.7E* + Dyanap 2E**	2.5 + 3 qt.	88	78	25
56	Vernam + 6.7E* + Metribuzin 50W**	2.5 + .38	98	90	38
57	Vernam + 6.7E* + Bladex 4S**	2.5 + 1.0	95	85	33
58	Vernam + 6.7E* + Lorox 50W**	2.5 + 1.0	95	80	30
59	NTN 6867 2.5E*	4.0	90	60	15
60	NTN 6867 2.5E*	6.0	95	63	20
61	NTN 6867 2.5E*	8.0	93	68	60
62	RH 2915 2E*	.5	98	73	0
63	RH 2915 2E + Treflan 4E*	.5 + .75	95	78	0
64	RH 2915 2E* + Lorox 50W**	.5 + 1.0	88	85	5
65	RH 8817 2E*	1.0	85	85	0
66	RH 8817 2E + Treflan 4E*	1.0 + .75	90	78	0
67	RH 8817 2E + Cobex 2E*	1.0 + .5	93	88	0
68	RH 5205 2E*	.5	60	55	0
69	RH 5205 2E + Treflan 4E*	.5 + .75	93	83	0
70	CHECK	0	100	100	0
LSD (.05)			13	15	16

* Preemergence
 ** Preplant
 *** Post
 Location: SPINDLETOP
 Variety: Calland
 Fertilization: 400 lbs/A 16-16-16
 Treated and Planted: MAY 20
 Soil Type: Silt Loam O.M. 3.2, pH 6.2

Soybean Preplant Incorporated & Overlay - 1975

Department of Agronomy
University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation July 29		
			Gras- ses	Broad- leaf	Crop Injury
1	Amex 4E*	2.5	88	50	0
2	Amex 4E* + Metribuzin 50W**	2.5 + .38	90	78	3
3	Amex 4E* + Metribuzin 50W**	2.5 + .38	88	70	0
4	Amex 4E* + Lorox 50W**	2.5 + 1.0	90	75	3
5	Amex 4E* + Amiben 6E**	2.0 + 2.0	85	68	0
6	Basilin 4E*	1.0	83	40	0
7	Basilin 4E* + Metribuzin 50W**	1.0 + .38	95	90	0
8	Basilin 4E* + Lorox 50W**	1.0 + 1.0	85	70	0
9	Cobex 2E*	.5	88	33	0
10	Cobex 2E + Metribuzin 50W*	.5 + .38	85	78	0
11	Cobex 2E* + Metribuzin 50W**	.5 + .38	88	83	13
12	Cobex 2E* + Bladex 4S**	.5 + 1.0	90	43	0
13	Cobex 2E + VSB 3153 50W*	.25 + .25	83	47	0
14	Cobex 2E* + VSB3153 50W* + Metribuzin 50W**	.25 + .25 + .38	93	83	0
15	Cobex 2E* + San9789 80W**	.5 + 1.0	90	68	0
16	USB 3153 50W*	.38	75	55	0
17	USB 3153 50W*	.5	88	60	5
18	USB 3153 50W* + Metribuzin 50W**	.38 + .38	88	78	0
19	USB 3153 50W* + Lorox 50W**	.38 + 1.0	88	53	0
20	USB 3153 50W* + Bladex 4S**	.38 + 1.0	80	53	0
21	Prowl 4E*	1.5	90	53	0
22	Prowl 4E* + Metribuzin 50W*	1.0 + .38	90	75	0
23	Prowl 4E + Metribuzin 50W*	1.0 + .38	90	75	0
24	Prowl 4E* + Lorox 50W**	1.5 + 1.0	90	73	0
25	Prowl 4E + Dyanap 2E**	1.5 + 3 qt.	93	75	0
26	Prowl 75W*	1.5	88	43	0
27	Metribuzin 50W**	.38	58	65	0
28	Metribuzin 50W*	.38	58	68	0
29	Tolban 4E*	1.0	83	38	0
30	Tolban 4E + Metribuzin 50W	1.0 + .38	88	80	0
31	Tolban 4E + Metribuzin 50W	1.0 + .5	88	83	0
32	Tolban 4E* + Metribuzin 50W**	1.0 + .38	90	80	0
33	Tolban 4E* + Metribuzin 50W**	1.0 + .5	85	83	0
34	Tolban 4E* + Maloran 50W**	1.0 + 1.5	88	68	3
35	Tolban 4E* + Maloran 50W**	1.0 + 2.0	88	63	8
36	Tolban 4E* + Lorox 50W**	1.0 + .75	83	70	0
37	Tolban 4E* + Lorox 50W**	1.0 + 1.0	88	80	3
38	Tolban 4E* + Amiben 6E**	1.0 + 2.5	93	60	0
39	Tolban 4E* + Dyanap 2E**	1.0 + 3 qt.	85	70	0
40	Tolban 4E + Furloe 4E**	1.0 + 1.0	85	48	3
41	Treflan 4E*	.75	85	40	0
42	Treflan 4E* + Amiben 6E**	.75 + 2.0	93	68	0
43	Treflan 4E + Metribuzin 50W*	.75 + .38	90	68	0
44	Treflan 4E* + Metribuzin 50W** + Basagran 4E***	.75 + .38 + 1.0	95	93	0
45	Treflan 4E* + Metribuzin 50W**	.75 + .38	95	83	0
46	Treflan 4E + Metribuzin 50W*	1.0 + .38	88	60	0
47	Treflan 4E + Metribuzin 50W	1.0 + .38	88	80	0
48	Treflan 4E* + Lorox 50W**	.75 + 1.0	90	58	0
49	Treflan 4E* + Bladex 4S**	.75 + 1.0	90	58	0
50	Treflan 4E* + Metribuzin 50W	1.0 + .5	90	80	0

Soybean Preplant Incorporated & Overlay 1975

Department of Agronomy

University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation July 29		
			Grasses	Broad- leaf	Crop Injury
51	Treflan 4E* + Metribuzin 50W**	1.0 + .5	90	80	5
52	Vernam + 6.7E*	2.5	90	50	8
53	Vernam + 6.7E* + Basagran 4E***	2.5 + 1.0	90	45	0
54	Vernam + 6.7E + Treflan 4E*	2.5 + .75	93	63	3
55	Vernam + 6.7E* + Dyanap 2E**	2.5 + 3 qt.	80	68	0
56	Vernam + 6.7E* + Metribuzin 50W**	2.5 + .38	90	73	20
57	Vernam + 6.7E* + Bladex 4S**	2.5 + 1.0	90	73	10
58	Vernam + 6.7E* + Lorox 50W**	2.5 + 1.0	85	73	3
59	NTN 6867 2.5E*	4.0	80	20	8
60	NTN 6867 2.5E*	6.0	90	40	8
61	NTN 6867 2.5E*	8.0	88	40	60
62	RH 2915 2E*	.5	60	45	3
63	RH 2915 2E + Treflan 4E*	.5 + .75	90	60	0
64	RH 2915 2E* + Lorox 50W**	.5 + 1.0	83	73	0
65	RH 8817 2E*	1.0	80	78	0
66	RH 8817 2E + Treflan 4E*	1.0 + .75	83	73	0
67	RH 8817 2E + Cobex 2E*	1.0 + .5	87	70	0
68	RH 5205 2E*	.5	53	40	0
69	RH 5205 2E + Treflan 4E*	.5 + .75	83	63	0
70	CHECK	0	100	100	0
LSD (.05)			16	21	10

* Preemergence

** Preplant

*** Post

Location: SPINDLETOP

Variety: Calland

Fertilization: 400 lbs/A 16-16-16

Treated and Planted: MAY 20

Soil Type: Silt Loam O.M. 3.2, pH 6.2

Soybean Preplant Incorporated & Overlay - 1975
 Department of Agronomy
 University of Kentucky

July 29

Trt. No.	Herbicide Evaluation	Rate lbs/AAI	Visual Evaluation		
			Cockle- bur	Pig- weed	Jimson Weed
1	Amex 4E*	2.5	23	73	28
2	Amex 4E* + Metribuzin 50W**	2.5 + .38	68	98	55
3	Amex 4E* + Metribuzin 50W**	2.5 + .38	53	98	43
4	Amex 4E* + Lorox 50W**	2.5 + 1.0	68	98	38
5	Amex 4E* + Amiben 6E**	2.0 + 2.0	40	90	35
6	Basilin 4E*	1.0	15	78	18
7	Basilin 4E* + Metribuzin 50W**	1.0 + .38	70	100	80
8	Basilin 4E* + Lorox 50W**	1.0 + 1.0	33	93	50
9	Cobex 2E*	.5	10	58	13
10	Cobex 2E + Metribuzin 50W*	.5 + .38	70	88	35
11	Cobex 2E* + Metribuzin 50W**	.5 + .38	53	98	60
12	Cobex 2E* + Bladex 4S**	.5 + 1.0	10	70	20
13	Cobex 2E + VSB 3153 50W*	.25 + .25	18	75	18
14	Cobex 2E* + VSB3153 50W* + Metribuzin 50W**	.25 + .25 + .38	68	100	50
15	Cobex 2E* + San9789 80W**	.5 + 1.0	35	73	55
16	USB 3153 50W*	.38	20	80	48
17	USB 3153 50W*	.5	38	73	23
18	USB 3153 50W* + Metribuzin 50W**	.38 + .38	63	93	53
19	USB 3153 50W* + Lorox 50W**	.38 + 1.0	23	93	35
20	USB 3153 50W* + Bladex 4S**	.38 + 1.0	13	90	38
21	Prowl 4E*	1.5	15	88	43
22	Prowl 4E* + Metribuzin 50W*	1.0 + .38	53	95	60
23	Prowl 4E + Metribuzin 50W*	1.0 + .38	48	85	30
24	Prowl 4E* + Lorox 50W**	1.5 + 1.0	58	100	60
25	Prowl 4E + Dyanap 2E**	1.5 + 3 qt.	55	83	55
26	Prowl 75W*	1.5	20	70	35
27	Metribuzin 50W**	.38	28	83	45
28	Metribuzin 50W*	.38	35	68	33
29	Tolban 4E*	1.0	15	65	18
30	Tolban 4E + Metribuzin 50W	1.0 + .38	50	90	50
31	Tolban 4E + Metribuzin 50W	1.0 + .5	55	95	55
32	Tolban 4E* + Metribuzin 50W**	1.0 + .38	65	95	53
33	Tolban 4E* + Metribuzin 50W**	1.0 + .5	58	95	60
34	Tolban 4E* + Maloran 50W**	1.0 + 1.5	40	93	28
35	Tolban 4E* + Maloran 50W**	1.0 + 2.0	35	90	28
36	Tolban 4E* + Lorox 50W**	1.0 + .75	63	95	40
37	Tolban 4E* + Lorox 50W**	1.0 + 1.0	48	98	38
38	Tolban 4E* + Amiben 6E**	1.0 + 2.5	35	90	28
39	Tolban 4E* + Dyanap 2E**	1.0 + 3 qt.	53	88	35
40	Tolban 4E + Furloe 4E**	1.0 + 1.0	25	75	28
41	Treflan 4E*	.75	25	73	15
42	Treflan 4E* + Amiben 6E**	.75 + 2.0	33	90	30
43	Treflan 4E + Metribuzin 50W*	.75 + .38	63	93	50
44	Treflan 4E* + Metribuzin 50W** + Basagran 4E***	.75 + .38 + 1.0	100	98	100
45	Treflan 4E* + Metribuzin 50W**	.75 + .38	63	98	55
46	Treflan 4E + Metribuzin 50W*	1.0 + .38	48	90	20
47	Treflan 4E + Metribuzin 50W	1.0 + .38	45	90	50
48	Treflan 4E* + Lorox 50W**	.75 + 1.0	30	90	20
49	Treflan 4E* + Bladex 4S**	.75 + 1.0	38	78	28
50	Treflan 4E* + Metribuzin 50W	1.0 + .5	73	93	70

Soybean Preplant Incorporated & Overlay 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide Formulation	July 29			
		Rate lbs/AAI	Cockle- bur	Pig Weed	Jimson Weed
51	Treflan 4E* + Metribuzin 50W**	1.0 + .5	40	98	50
52	Vernam + 6.7E*	2.5	18	78	23
53	Vernam + 6.7E* + Basagran 4E***	2.5 + 1.0	100	80	25
54	Vernam + 6.7E + Treflan 4E*	2.5 + .75	30	83	28
55	Vernam + 6.7E* + Dyanap 2E**	2.5 + 3 qt.	43	83	43
56	Vernam + 6.7E* + Metribuzin 50W**	2.5 + .38	28	95	43
57	Vernam + 6.7E* + Bladex 4S**	2.5 + 1.0	63	93	33
58	Vernam + 6.7E* + Lorox 50W**	2.5 + 1.0	58	100	28
59	NTN 6867 2.5E*	4.0	18	53	13
60	NTN 6867 2.5E*	6.0	13	78	20
61	NTN 6867 2.5E*	8.0	25	75	13
62	RH 2915 2E*	.5	13	73	50
63	RH 2915 2E + Treflan 4E*	.5 + .75	45	98	65
64	RH 2915 2E* + Lorox 50W**	.5 + 1.0	55	98	70
65	RH 8817 2E*	1.0	53	100	70
66	RH 8817 2E + Treflan 4E*	1.0 + .75	40	98	63
67	RH 8817 2E + Cobex 2E*	1.0 + .5	45	98	60
68	RH 5205 2E*	.5	20	73	48
69	RH 5205 2E + Treflan 4E*	.5 + .75	38	80	25
70	CHECK	0	100	100	100
LSD (.05)			20	32	28

* Preemergence
 ** Preplant
 *** Post
 Location: SPINDLETOP
 Variety: Calland
 Fertilization: 400 lbs/A 16-16-16
 Treated and Planted: MAY 20
 Soil Type: Silt Loam O.M. 3.2, pH 6.2

SOYBEAN POST 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation July 29		
			Grasses	Broad- leaf	Crop Injury
1	Treflan 4E + Basagran 4E	.75 + 1.0	88	70	0
2	Treflan 4E + Basagran 4E	.75 + 1.0	80	53	0
3	Basilin 4E + Basagran 4E	1.0 + 1.0	83	55	0
4	Basilin 4E + Basagran 4E	1.0 + 1.0	83	55	0
5	Tolban 4E + Basagran 4E	1.0 + 1.0	80	55	0
6	Tolban 4E + Basagran 4E + X-77	1.0 + 1.0 + .5%	85	53	0
7	Tolban 4E + Tenoran 50W	1.0 + 1.0	85	53	0
8	Tolban 4E	1.0	78	48	0
9	Treflan 4E + MBR 12235 4S	.75 + 1.0	88	53	5
10	Treflan 4E + Dyanap 2E	.75 + 3 qt.	90	63	0
11	Treflan 4E	.75	83	53	0
12	Lasso 4E + Basagran 4E	2.0 + 1.0	93	88	0
13	Lasso 4E + Dyanap 2E	2.0 + 3 qt.	88	75	0
14	Metribuzin 50W + Basagran 4E	.38 + 1.0	58	78	0
15	Metribuzin 50W	.38	65	55	0
16	CGA-24705 6E	2.0	83	55	0
17	CGA-24705 6E + Tenoran 50W	2.0 + 1.0	80	53	0
18	CGA-24705 6E + Basagran 4E	2.0 + 1.0	78	70	0
19	Betanex	.75	58	48	0
20	Betanex + X-77	.75 + .5%	48	50	0
21	Ethrel 2E	.5	53	58	3
22	Butrac 200 2E	.2	48	58	0
23	Butrac 200 2E + Dyanap 2E	.2 + 3 qt.	48	63	5
24	Hoe 23408 3E	1.0	45	40	0
25	Hoe 23408 3E + Basagran 4E	1.0 + 1.0	68	50	0
26	Hoe 23408 3E + Basagran 4E	1.5 + 1.0	63	43	0
27	MBR-12235 4S	1.0	40	43	0
28	MBR-12235 4S + 2,4-DB	1.0 + .2	48	43	0
29	Metribuzin 50W	.38	48	48	0
30	CHECK	0	93	83	0
LSD (.05)			17	17	3

* Preemergence
** Preplant
*** Post

Location: SPINDLETOP
Variety: Calland
Fertilization: 400 lbs/A 16-16-16
Planted and Treated: MAY 19
Soil Type: Silt Loam, O.M. 3.2, pH 6.2

SOYBEAN POST 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation July 29		
			Pigweed	Cockle- bur	Lambs- quarter
1	Treflan 4E + Basagran 4E	.75 + 1.0	53	80	83
2	Treflan 4E + Basagran 4E	.75 + 1.0	45	55	65
3	Basilin 4E + Basagran 4E	1.0 + 1.0	38	75	75
4	Basilin 4E + Basagran 4E	1.0 + 1.0	40	60	78
5	Tolban 4E + Basagran 4E	1.0 + 1.0	55	80	83
6	Tolban 4E + Basagran 4E + X-77	1.0 + 1.0 + .5%	50	65	68
7	Tolban 4E + Tenoran 50W	1.0 + 1.0	50	43	58
8	Tolban 4E	1.0	40	45	60
9	Treflan 4E + MBR 12235 4S	.75 + 1.0	40	55	65
10	Treflan 4E + Dyanap 2E	.75 + 3 qt.	50	80	83
11	Treflan 4E	.75	60	40	68
12	Lasso 4E + Basagran 4E	2.0 + 1.0	85	90	85
13	Lasso 4E + Dyanap 2E	2.0 + 3 qt.	88	83	88
14	Metribuzin 50W + Basagran 4E	.38 + 1.0	75	83	83
15	Metribuzin 50W	.38	65	75	78
16	CGA-24705 6E	2.0	65	50	70
17	CGA-24705 6E + Tenoran 50W	2.0 + 1.0	78	50	70
18	CGA-24705 6E + Basagran 4E	2.0 + 1.0	58	85	85
19	Betanex	.75	65	65	85
20	Betanex + X-77	.75 + .5%	40	60	70
21	Ethrel 2E	.5	65	60	78
22	Butrac 200 2E	.2	65	75	78
23	Butrac 200 2E + Dyanap 2E	.2 + 3 qt/	48	65	68
24	Hoe 23408 3E	1.0	40	60	68
25	Hoe 23408 3E + Basagran 4E	1.0 + 1.0	40	80	80
26	Hoe 23408 3E + Basagran 4E	1.5 + 1.0	40	85	78
27	MBR-12235 4S	1.0	50	75	80
28	MBR-12235 4S + 2,4-DB	1.0 + .2	50	70	75
29	Metribuzin 50W	.38	45	65	70
30	CHECK	0	100	100	100
LSD (.05)			21	19	18

* Preemergence
** Preplant
*** Post

Location: SPINDLETOP
Variety: Calland
Fertilization: 400 lbs/A 16-16-16
Planted and Treated: MAY 19
Soil Type: Silt Loam, O.M. 3.2, pH 6.2

SOYBEAN - NUTSEDGE 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 21		
			Grasses	Broadleaf	Crop Injury
1	Basagran 4E***	1.5	78	73	0
2	CGA-24705 6E**	2.0	80	73	0
3	CGA-24705 6E**	3.0	78	80	0
4	CGA-17020 4E**	2.0	75	73	0
5	CGA-17020 4E**	3.0	73	70	0
6	Lasso 4E**	2.0	83	85	0
7	Lasso 4E**	3.0	75	75	0
8	DS-23017 4EC**	2.0	70	83	0
9	DS-23017 4EC**	3.0	78	75	0
10	NTN-6867 2.5E**	4.0	63	73	0
11	NTN-6867 2.5E**	6.0	63	73	0
12	Vel-5052 2E**	2.0	78	65	0
13	Vel-5052 2E**	3.0	73	73	0
14	H-22234 4E**	2.0	68	68	0
15	H-22234 4E**	3.0	65	75	0
16	H-25893 2E**	2.0	65	58	0
17	H-25893 2E**	3.0	80	80	0
18	H-26910 4E**	2.0	73	75	0
19	H-26910 4E**	3.0	80	70	0
20	San-9789 80W**	2.0	68	70	0
21	Destun 4S**	3.0	75	70	0
22	Vernam + 6.7*	2.5	68	73	0
23	RH-2915 2E**	.5	60	73	0
24	GCP-5544 6E**	3.0	65	73	0
25	MBR-12325 4S**	1.0	58	50	20
26	CHECK (Weedy)	0	13	13	0
27	CHECK (Cultivated)	0	100	100	0
LSD (.05)			17	16	3

* Preplant
** Preemergence
*** Post

Location: Spindletop
Variety: Calland
Fertilization: 400 lbs/A 16-16-16
Treated and Planted: June 4
Soil Type: Silt Loam, O.M. 6.1, pH 6.6

SOYBEAN - NUTSEDGE 1975
 DEPARTMENT OF AGRONOMY
 UNIVERSITY OF KENTUCKY

Visual Evaluation Aug 12

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Crop			
			Grasses	Broadleaf	Injury	Nutsedge
1	Basagran 4E***	1.5	70	70	0	80
2	CGA-24705 6E**	2.0	70	68	0	68
3	CGA-24705 6E**	3.0	73	75	0	73
4	CGA-17020 4E**	2.0	68	70	0	75
5	CGA-17020 4E**	3.0	65	68	0	73
6	Lasso 4E**	2.0	75	75	0	80
7	Lasso 4E**	3.0	65	73	0	73
8	DS-23017 4EC**	2.0	68	70	0	60
9	DS-23017 4EC**	3.0	75	70	0	73
10	NTN-6867 2.5E**	4.0	65	73	0	70
11	NTN-6867 2.5E**	6.0	63	68	0	65
12	Vel-5052 2E**	2.0	73	68	0	73
13	Vel-5052 2E**	3.0	70	68	0	75
14	H-22234 4E**	2.0	63	60	0	60
15	H-22234 4E**	3.0	70	68	0	70
16	H-25893 2E**	2.0	60	63	0	70
17	H-25893 2E**	3.0	70	73	0	75
18	H-26910 4E**	2.0	75	80	0	75
19	H-26910 4E**	3.0	70	68	0	80
20	San-9789 80W**	2.0	65	70	0	70
21	Destun 4S**	3.0	68	68	0	80
22	Vernam + 6.7*	2.5	68	73	0	73
23	RH-2915 2E**	.5	65	65	0	65
24	GCP-5544 6E**	3.0	63	65	0	60
25	MBR-12325 4S**	1.0	50	53	5	73
26	CHECK (Weedy)	0	13	10	0	0
27	CHECK (Cultivated)	0	100	100	0	100
LSD (.05)			15	15	2	17

* Preplant
 ** Preemergence
 *** Post

Location: Spindletop
 Variety: Calland
 Fertilization: 400 lbs/A 16-16-16
 Treated and Planted: June 4
 Soil Type: Silt Loam, O.M. 6.1, pH 6.6

PROBE TEST 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation June 20		
			Grasses	Broadleaf	Crop Injury
1	Probe 75W	.5	75	75	0
2	Probe 75W	1.0	88	88	0
3	Lorox 50W	.75	80	88	0
4	Lorox 50W	1.0	73	85	0
5	Sencor 50W	.38	75	75	0
6	Sencor 50W	.5	85	85	0
7	Maloran 50W	1.0	83	78	0
8	AmLoran 50W	1.5	80	88	0
9	Bladex 45	1.0	85	88	0
10	Check		100	100	0
LSD (.05)			7	6	0

All treatments are preemergence

Location: South Farm

Variety: Calland

Fertilization: 400 lbs/A 16-16-16

Planted and Treated: JUNE 9

Soil Type: Silt Loam

PROBE TEST 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation July 14		
			Grass	Broadleaf	Crop Injury
1	Probe 75W	.5	75	75	0
2	Probe 75W	1.0	88	88	0
3	Lorox 50W	.75	80	88	0
4	Lorox 50 W	1.0	73	85	0
5	Sencor 50W	.38	75	75	0
6	Sencor 50W	.5	85	85	0
7	Maloran 50W	1.0	83	78	0
8	AmLoran 50W	1.5	80	88	0
9	Bladex 45	1.0	85	88	0
10	Check		100	100	0
LSD (.05)			9	7	0

All treatments are preemergence

Location: South Farm

Variety: Calland

Fertilization: 400 lbs/A 16-16-16

Planted and Treated: JUNE 9

Soil Type: Silt Loam

Growth Regulator - 1975
 Department of Agronomy
 University of Kentucky

Trt. No.	Herbicide	Time of Application	Rate lb/AAI	Yield Bu/A
1	Ethrel 2E	EF	.25	34
2	Ethrel 2E	EF	.5	34
3	Butyrac 2E	EF	.2	24
4	Bravo 6E	EF + EP	1.5	37
5	Bravo 6E	EF	1.5	35
6	Bravo 6E	EF + EP	1.5	36
7	Bravo 6E	EF + EP + LP	1.5	32
8	DS 26222 4E	EF	1.0	38
9	DS 26222 4E	EF + EP	1.0	37
10	Recruza IE	EP	.25	33
11	Banvel 4S	EP	.02	7
12	Banvel 2S	EP	.02	7
13	MBR 12235 4E	5th tri	.5	31
14	MBR 12235 4E	5th tri	1.0	31
15	MBR 12235 4E	5th tri	1.5	27
16	MBR 12235 4E	LP	.5	35
17	MBR 12235 4E	LP	1.0	33
18	Check	-	0	37
LSD (05)				14

EF: early flowering
 EP: early pod set
 LP: late pod

Location: South Farm
 Variety: Calland
 Fertilization: 400 lbs/A 16-16-16
 Soil Type: Silt Loam

Soybean Stubble 1975

Department of Agronomy
University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation Aug. 7			Visual Evaluation Sept. 18		
			Grasses	Broad- leaf	Crop Injury	Grasses	Broad- leaf	Crop Injur
1	Bladex 4S + Lasso + Paraquat + X-77	1.0 + 2.0 + 2.5 + .5%	63	50	0	60	43	0
2	Bladex 4S + Lasso + Roundup	1.5 + 2.0 + 2.0	83	80	0	70	60	0
3	Lasso 4E + Sencor 50W + Paraquat + X-77	2.0 + .38 + .25	80	70	0	73	65	0
4	Lasso 4E + Sencor 50W + Roundup	2.0 + .38 + 2.0	88	75	0	85	72	0
5	Lasso 4E + Sencor 50W + Paraquat + X-77	2.5 + .38 + .25	63	50	0	60	44	0
6	Lasso 4E + Sencor 50W + Roundup	2.5 + .38 + 2.0	90	83	0	83	78	0
7	Lasso 4E + Sencor 50W + Paraquat + X-77	2.5 + .5 + .25	75	65	0	73	59	0
8	Lasso 4E + Sencor 50W + Roundup	2.5 + .5 + 2.0	90	85	0	85	82	0
9	Lasso 4E + Maloran 50W + Paraquat + X-77	2.0 + 1.5 + .25 + .5%	65	60	0	63	53	0
10	Lasso 4E + Maloran 50W + Paraquat + X-77	2.5 + 1.5 + .25 + .5%	80	73	0	73	68	0
11	Lasso 4E + Lorox 50W + Paraquat + X-77	2.0 + 1.0 + .25 + .5%	63	58	0	61	51	0
12	Lexone 50W + Paraquat + X-77	.38 + .25 + .5%	55	55	0	53	49	0
13	Lexone 50W + X-77	.38 + .5%	43	43	0	43	41	0
14	Lexone 50W + Roundup	.38 + 2.0	58	48	0	53	45	0
15	Prowl 4E + Lorox + Paraquat + X-77	1.0 + .75 + .25 + .5%	80	70	0	73	63	0
16	Prowl 4E + Lorox + Roundup	1.0 + .75 + .25	63	50	0	60	46	0
17	Sencor + Paraquat + X-77	.38 + .25 + .5%	78	63	0	73	60	0
18	Sencor + Paraquat + X-77	.5 + .25 + .5%	75	70	3	70	68	0
19	Sencor + Roundup	.38 + 2.0	88	78	0	85	73	0
20	Sencor + Roundup	.5 + 2.0	85	78	0	83	72	0
21	Surflan 75W + Sencor 50W + Paraquat + X-77	1.0 + .38 + .25 + .5%	75	60	0	70	56	0
22	Surflan 75W + Sencor 50W + Paraquat + X-77	1.5 + .38 + .25 + .5%	75	68	0	73	62	0
23	Surflan 75W + Sencor 50W + Roundup	1.0 + .38 + 2.0	90	85	0	85	83	0
24	Surflan 75W + Sencor 50W + Roundup	1.5 + .38 + 2.0	90	83	0	83	81	0
25	Surflan 75W + Lorox 50W + Paraquat + X-77	1.0 + 1.0 + .25 + .5%	78	68	0	75	63	0
26	Surflan 75W + Lorox 50W + Paraquat + X-77	1.0 + .75 + .25 + .5%	73	65	0	70	60	0
27	NTN 6867 25E + Sencor + Paraquat + X-77	4.0 + .38 + .25 + .5%	75	80	0	73	75	0
28	NTN 6867 25E + Sencor + Roundup	4.0 + .38 + .25	90	88	0	83	83	0

Soybean Stubble 1975

Department of Agronomy
University of Kentucky

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation Aug. 7			Visual Evaluation Sept. 18		
			Grasses	Broad- leaf	Crop Injury	Grasses	Broad- leaf	Crop Injury
29	NTN6867 25E + Paraquat + X-77	4.0 + .25 + .5%	65	60	0	63	53	0
30	NTN6867 25E + Roundup	4.0 + 2.0	88	78	0	85	67	0
31	CGA24705 6E + Lorox 50W + Paraquat + X-77	2.0 + 1.0 + .25 + .5%	53	53	3	50	50	0
32	CGA24705 6E + Lorox 50W + Paraquat + X-77	2.5 + 1.0 + .25 + .5%	85	83	0	83	81	0
33	CGA24705 6E + Maloran 50W + Paraquat + X-77	2.0 + 1.5 + .25 + .5%	80	80	0	75	80	0
34	CGA24705 6E + Maloran 50W + Paraquat + X-77	2.5 + 1.5 + .25 + .5%	63	58	0	60	55	0
35	CGA24705 6E + Sencor 50W + Paraquat + X-77	2.0 + .38 + .25 + .5%	80	68	0	78	63	0
36	CGA24705 6E + Sencor 50W + Paraquat + X-77	2.5 + .38 + .25 + .5%	75	60	0	73	57	0
37	FMC 25213 4E + Paraquat + X-77	1.5 + .25 + .5%	73	60	0	71	53	0
38	FMC 25213 4E + Paraquat + X-77	2.0 + .25 + .5%	58	58	8	55	53	0
39	FMC 25213 4E + Paraquat + X-77	2.5 + .25 + .5%	60	55	0	58	55	0
40	FMC 25213 4E + Sencor 50W + Paraquat + X-77	2.0 + .38 + .25 + .5%	78	68	0	75	63	0
41	FMC 25213 4E + Lorox 50W + Paraquat + X-77	2.0 + 1.0 + .25 + .5%	88	70	0	85	65	0
42	MBR 12235 4S + Paraquat + X-77	.5 + .25 + .5%	55	50	0	53	48	0
43	MBR 12235 4S + Roundup	.5 + 2.0	43	43	0	41	41	0
44	Surflan 75W + Dyanap + Roundup	1.0 + 3.0 + 2.0	43	43	0	39	38	0
45	Lasso 4E + Dyanap + Roundup	2.0 + 3.0 + 2.0	40	40	0	38	35	0
46	RH-2915 2E + Roundup	.75 + 2.0	50	50	0	48	50	0
47	RH-2915 2E + Paraquat + X-77	.75 + .25 + .5%	73	70	0	71	67	0
48	Bladex 4S + Paraquat + X-77	2.0 + .25 + .5%	80	55	0	77	55	0
LSD (05)			16	13	1	15	13	NS

All treatments are preemergence

Location: Spindletop

Variety: Calland

Fertilization: 400 lbs/A 16-16-16

Treated and Planted: June 25

Soil Type: Silt Loam, OM 3.8; pH 6.2

BURLEY TOBACCO 1975
 DEPARTMENT OF AGRONOMY
 UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation July 14		
			Grasses	Broadleaf	Crop Injury
1	Amex 4E	2.5	83	60	0
2	Enide 50W	6.0	75	68	0
3	Surflan 75W	1.0	68	63	0
4	Surflan 75W	1.5	73	70	0
5	Surflan 75W	3.0	78	75	0
6	Tillam 6E	4.0	75	73	0
7	Destun 4S	2.0	63	70	0
8	Destun 4S	4.0	70	73	0
9	Destun 4S + Enide 50W	2.0+6.0	83	73	0
10	Destun 4S + Enide 50W	4.0+6.0	83	75	0
11	Cobex 2E	.38	78	70	0
12	Cobex 2E	.5	80	80	0
13	USB 3153 50W	.38	80	73	0
14	USB 3153 50W	.5	85	73	0
15	FMC-25213	2.0	90	83	0
16	FMC-25213	3.0	90	78	0
17	FMC-25213	2.0	88	73	0
18	FMC-25213	3.0	80	73	0
19	Ronstar	1.0	63	65	0
20	Ronstar	2.0	75	65	0
21	Ronstar	4.0	80	78	0
22	Check	0	100	100	0
LSD (.05)			10	12	0

Method of application
 *preplant incorporated
 **pre-transplant
 ***post-transplant

Location: Maine Chance
 Variety: KY 21
 Fertilization:
 Treated:
 Transplanted:
 Soil Type: Silt Loam, O.M. 3.6, pH 5.6

BURLEY TOBACCO 1975
DEPARTMENT OF AGRONOMY
UNIVERSITY OF KENTUCKY

Trt. No.	Herbicide Formulation	Rate lbs/AAI	Visual Evaluation August 11		
			Grasses	Broadleaf	Crop Injury
1	Amex 4E	2.5	73	60	0
2	Enide 50W	6.0	70	68	0
3	Surflan 75W	1.0	63	65	0
4	Surflan 75W	1.5	68	65	0
5	Surflan 75W	3.0	70	73	0
6	Tillam 6E	4.0	73	73	0
7	Destun 4S	2.0	63	65	0
8	Destun 4S	4.0	65	73	0
9	Destun 4S + Enide 50W	2.0+6.0	75	68	0
10	Destun 4S + Enide 50W	4.0+6.0	73	75	0
11	Cobex 2E	.38	73	70	0
12	Cobex 2E	.5	73	75	0
13	USB 3153 50W	.38	73	70	0
14	USB 3153 50W	.5	75	68	0
15	FMC-25213	2.0	78	80	0
16	FMC-25213	3.0	75	70	0
17	FMC-25213	2.0	78	70	0
18	FMC-25213	3.0	73	70	0
19	Ronstar	1.0	63	63	0
20	Ronstar	2.0	68	60	0
21	Ronstar	4.0	70	73	0
22	Check	0	100	100	0
LSD (.05)			11	14	0

Method of application
*preplant incorporated
**pre-transplant
***post-transplant

Location: Maine Chance
Variety: KY 21
Fertilization:
Treated:
Transplanted:
Soil Type: Silt Loam, O.M. 3.6, pH 5.6