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Not a complete Review

1-EEB-026A
3/28/97

DRAFT

MRID No. 441595-01

DATA EVALUATION RECORD
§ 71-4 -- AVIAN REPRODUCTION TEST

1. **CHEMICAL:** Mancozeb — PC Code No.: 014504

2. **TEST MATERIAL:** Mancozeb (DITHANE) — Purity: 84.5% 81.9% (reanalyzed)

3. **CITATION:**

Authors: L.R. Mitchell, D. Haberlein, J.B. Beavers, and M. Jaber
Title: Mancozeb (DITHANE): A Reproduction Study with the Northern Bobwhite (*Colinus virginianus*)
Study Completion Date: September 11, 1996
Laboratory: Wildlife International Ltd., Easton, MD
Sponsor: Mancozeb Task Force c/o Edward Ruckert, Washington, DC
Laboratory Report ID: 422-101
MRID No.: 441595-01
DP Barcode: D231740

4. **REVIEWED BY:** Max Feken, M.S., Environmental Toxicologist, KBN Engineering and Applied Sciences, Inc.

Signature: [signature] **Date:** 3/17/97

APPROVED BY: Pim Kosalwat, Ph.D., Senior Scientist, KBN Engineering and Applied Sciences, Inc.

Signature: P. Kosalwat **Date:** 3/17/97

5. **APPROVED BY:**

Signature: **Date:**

DRAFT

6. **STUDY PARAMETERS:**

Scientific Name of Test Organism: *Colinus virginianus*
Age of Test Organisms at Test Initiation: 19 weeks
Definitive Study Duration: 22 weeks

7. **CONCLUSIONS:** This study is scientifically sound and meets the guideline requirements for an avian reproduction study using northern bobwhite. The NOEC was determined to be 125 ppm ai based on significant reductions in the percentage of 14-day old survivors of normal hatchlings and reductions in hatchling and 14-day old survivor bodyweights at the 1000 ppm ai level when compared to the control.

2026153

OBS	LEVEL	EL	EC	ES	VE	LE	NH	HS	THICK	HATWT	SURVWT	FOOD	PREM	POSTM	PREF	POSTF
1	CONTROL	.	.	.	.	.	.	.	.	.	.	.	216	.	194	.
2	CONTROL	68	0	47	46	46	40	38	0.229	6.11	24.5	22.0	191	215	200	239
3	CONTROL	47	2	30	30	29	23	21	0.189	6.00	20.7	19.8	194	246	203	235
4	CONTROL	52	0	36	25	25	22	18	0.210	5.63	24.2	21.9	198	239	201	244
5	CONTROL	65	0	46	46	46	42	39	0.197	5.13	22.8	18.5	188	219	196	237
6	CONTROL	.	.	.	.	.	.	.	.	.	.	.	211	.	192	.
7	CONTROL	68	2	47	45	45	42	38	0.216	5.89	26.6	22.9	191	214	179	238
8	CONTROL	66	3	44	42	42	32	27	0.206	6.33	30.8	22.2	189	226	205	256
9	CONTROL	58	3	35	29	28	27	25	0.206	5.71	25.4	19.5	183	198	176	219
10	CONTROL	70	0	49	49	49	42	40	0.237	6.00	25.4	22.4	197	204	195	251
11	CONTROL	61	1	42	42	42	38	37	0.208	6.14	22.7	23.8	193	218	188	227
12	CONTROL	18	1	8	8	8	7	7	0.194	5.67	26.7	18.9	203	213	193	170
13	CONTROL	70	2	49	48	48	45	42	0.205	6.00	20.8	19.6	198	217	187	241
14	CONTROL	67	0	48	45	45	42	35	0.207	5.33	21.8	24.8	196	198	198	238
15	CONTROL	53	3	32	31	30	30	26	0.212	6.00	23.8	17.3	198	207	200	234
16	CONTROL	66	3	44	42	39	30	29	0.216	6.22	26.8	25.7	201	239	195	254
17	TRT1	47	2	38	37	37	33	26	0.229	5.33	20.9	19.5	200	224	175	214
18	TRT1	.	.	.	.	.	.	.	.	.	.	.	196	.	190	.
19	TRT1	71	3	49	48	48	35	32	0.237	6.22	26.3	19.5	201	216	200	240
20	TRT1	64	0	45	44	43	40	32	0.230	5.44	25.0	20.9	207	240	180	219
21	TRT1	57	2	36	30	29	27	20	0.225	5.50	23.6	19.4	213	223	195	219
22	TRT1	64	24	29	6	5	2	2	0.211	5.00	22.0	24.9	190	222	178	219
23	TRT1	68	2	47	45	45	41	35	0.223	5.63	23.5	19.5	217	234	187	216
24	TRT1	60	1	40	37	35	25	23	0.185	5.63	23.3	17.6	201	215	180	228
25	TRT1	67	0	48	48	48	43	37	0.195	5.67	24.0	22.4	182	231	192	242
26	TRT1	53	1	34	30	30	24	24	0.223	5.43	23.3	22.7	189	218	192	244
27	TRT1	57	0	39	39	35	26	24	0.237	6.00	26.1	21.9	200	213	177	222
28	TRT1	37	0	21	17	17	8	7	0.214	6.50	20.8	18.9	204	225	186	236
29	TRT1	31	0	17	15	15	12	12	0.240	6.25	26.3	23.2	216	246	200	244
30	TRT1	67	0	48	46	46	33	28	0.232	5.00	22.5	18.3	195	204	186	230
31	TRT1	62	0	44	44	41	36	26	0.227	5.29	20.1	17.2	209	226	198	235
32	TRT1	.	.	.	.	.	.	.	.	.	.	.	193	.	198	.
33	TRT2	60	0	44	44	43	23	17	0.215	5.43	24.0	20.2	195	218	175	219
34	TRT2	57	0	41	41	41	38	35	0.218	5.88	27.1	24.9	206	243	191	234
35	TRT2	65	3	48	45	44	37	35	0.216	6.13	25.5	26.8	183	183	184	225
36	TRT2	63	2	42	41	41	36	29	0.225	6.13	24.5	19.7	213	234	191	238
37	TRT2	73	0	54	52	50	43	37	0.216	5.56	23.0	22.8	190	220	199	261
38	TRT2	63	0	44	40	35	15	10	0.222	5.57	24.8	20.5	193	199	199	247
39	TRT2	71	2	52	50	50	42	36	0.220	5.89	21.8	25.2	187	205	192	259
40	TRT2	24	0	9	5	5	4	4	0.251	5.50	20.0	19.0	211	227	202	234
41	TRT2	72	0	54	50	50	44	40	0.204	6.00	23.7	27.9	200	218	209	259
42	TRT2	61	0	42	37	36	28	26	0.221	6.25	26.7	20.6	201	238	196	243
43	TRT2	70	5	48	47	47	37	33	0.228	5.44	28.8	20.7	189	221	194	247
44	TRT2	56	0	38	37	37	36	34	0.231	5.71	23.6	20.1	213	212	182	217
45	TRT2	70	25	26	20	17	14	12	0.217	5.67	23.9	20.2	198	200	190	234
46	TRT2	56	1	36	34	34	24	21	0.220	5.88	23.0	19.3	203	226	197	260
47	TRT2	64	0	46	44	43	29	25	0.213	5.44	22.1	21.9	187	204	178	211
48	TRT2	51	6	31	22	22	17	16	0.181	6.33	24.8	23.1	208	238	211	283
49	TRT3	66	1	46	42	41	34	23	0.207	5.63	19.7	19.1	183	200	197	239
50	TRT3	65	3	44	43	43	24	18	0.214	5.88	22.0	20.8	194	227	197	224
51	TRT3	40	1	23	23	23	23	18	0.220	5.00	20.2	18.0	212	242	211	240
52	TRT3	.	.	.	.	.	.	.	.	.	.	.	183	.	202	.
53	TRT3	63	1	41	37	36	31	24	0.201	5.13	19.1	19.4	189	200	188	242
54	TRT3	43	0	26	26	26	23	14	0.215	5.14	21.4	17.0	214	219	181	185
55	TRT3	.	.	.	.	.	.	.	.	.	.	.	185	.	190	.
56	TRT3	63	1	46	40	38	32	31	0.224	5.43	21.9	22.9	212	226	196	255
57	TRT3	68	1	42	38	35	29	25	0.238	5.50	22.0	19.6	184	210	205	258
58	TRT3	.	.	.	.	.	.	.	.	.	.	.	192	.	191	.
59	TRT3	41	1	22	21	21	20	17	0.197	5.20	22.2	20.8	201	221	178	217

OBS	LEVEL	EL	EC	ES	VE	LE	NH	HS	THICK	HATWT	SURVWT	FOOD	PREM	POSTM	PREF	POSTF
60	TRT3	56	2	36	30	28	23	22	0.244	5.38	26.5	20.4	189	220	201	272
61	TRT3	54	0	38	36	36	30	27	0.215	6.14	21.9	26.0	194	201	205	252
62	TRT3	67	16	35	14	13	9	6	0.237	5.20	20.0	23.2	184	218	210	270
63	TRT3	66	2	47	44	44	33	25	0.217	5.57	20.7	20.5	185	203	205	246
64	TRT3	66	1	45	43	43	39	35	0.222	5.44	20.7	19.6	191	220	190	148

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
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LEVEL

	CONTROL MEAN	TRT1 MEAN	TRT2 MEAN	TRT3 MEAN
EL	59.21	57.50	61.00	58.31
EC	1.43	2.50	2.75	2.31
ES	39.79	38.21	40.94	37.77
VE	37.71	34.71	38.06	33.62
LE	37.29	33.86	37.19	32.85
NH	33.00	27.50	29.19	26.92
HS	30.14	23.43	25.63	21.92
ES/EL (%)	65.79	65.92	65.92	64.24
(EL-EC)/EL (%)	97.34	96.00	95.81	96.33
VE/ES (%)	94.67	88.47	90.27	89.19
LE/VE (%)	98.77	96.80	97.45	97.55
NH/EL (%)	54.41	46.94	46.45	46.92
NH/ES (%)	82.74	68.92	69.07	72.88
NH/LE (%)	88.52	77.23	78.15	82.77
HS/ES (%)	75.88	59.27	60.97	58.92
HS/NH (%)	91.50	87.47	87.53	80.39
THICK	0.21	0.22	0.22	0.22
HATWT	5.87	5.64	5.80	5.43
SURVWT	24.50	23.41	24.21	21.41
FOOD	21.38	20.42	22.06	20.56
POSTM	218.07	224.07	217.88	215.92
POSTF	234.50	229.14	241.94	234.46

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
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LEVEL=CONTROL

Variable	Label	N	Mean	Std Dev	CV
EL		14	59.214	13.913	23.496
EC		14	1.429	1.284	89.872
ES		14	39.786	11.178	28.096
VE		14	37.714	11.625	30.824
LE		14	37.286	11.724	31.443
NH		14	33.000	10.720	32.486
HS		14	30.143	10.121	33.578
THICK		14	0.209	0.013	6.065
HATWT		14	5.869	0.339	5.778
SURVWT		14	24.500	2.745	11.205
FOOD		14	21.379	2.499	11.689
PREM		16	196.688	8.364	4.253
POSTM		14	218.071	14.933	6.848
PREF		16	193.875	8.098	4.177
POSTF		14	234.500	21.041	8.973
ES_EL	ES/EL (%)	14	65.790	7.113	10.812
NH_EL	NH/EL (%)	14	54.407	8.929	16.411
ENC_EL	(EL-EC)/EL (%)	14	97.345	2.319	2.382
VE_ES	VE/ES (%)	14	94.672	8.535	9.016
NH_ES	NH/ES (%)	14	82.741	9.958	12.035
HS_ES	HS/ES (%)	14	75.878	11.145	14.688
LE_VE	LE/VE (%)	14	98.775	2.209	2.236
NH_LE	NH/LE (%)	14	88.516	7.139	8.065
HS_NH	HS/NH (%)	14	91.502	5.558	6.075

LEVEL=TRT1

Variable	Label	N	Mean	Std Dev	CV
EL		14	57.500	11.889	20.676
EC		14	2.500	6.273	250.906
ES		14	38.214	10.086	26.392
VE		14	34.714	13.470	38.804
LE		14	33.857	13.387	39.539
NH		14	27.500	12.587	45.770
HS		14	23.429	10.271	43.840
THICK		14	0.222	0.016	7.183
HATWT		14	5.635	0.457	8.117
SURVWT		14	23.407	2.034	8.689
FOOD		14	20.421	2.288	11.203
PREM		16	200.813	9.955	4.957
POSTM		14	224.071	11.097	4.953
PREF		16	188.375	8.555	4.541
POSTF		14	229.143	10.989	4.795
ES_EL	ES/EL (%)	14	65.918	8.779	13.319
NH_EL	NH/EL (%)	14	46.942	17.661	37.623
ENC_EL	(EL-EC)/EL (%)	14	96.001	9.789	10.196
VE_ES	VE/ES (%)	14	88.474	20.485	23.154
NH_ES	NH/ES (%)	14	68.920	22.431	32.546
HS_ES	HS/ES (%)	14	59.272	18.613	31.402
LE_VE	LE/VE (%)	14	96.803	5.053	5.220
NH_LE	NH/LE (%)	14	77.232	16.418	21.259
HS_NH	HS/NH (%)	14	87.470	9.144	10.454

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
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LEVEL=TRT2

Variable	Label	N	Mean	Std Dev	CV
EL		16	61.000	11.821	19.379
EC		16	2.750	6.234	226.702
ES		16	40.938	11.503	28.100
VE		16	38.063	12.636	33.197
LE		16	37.188	12.708	34.173
NH		16	29.188	11.968	41.003
HS		16	25.625	11.081	43.242
THICK		16	0.219	0.014	6.514
HATWT		16	5.801	0.304	5.236
SURVWT		16	24.206	2.156	8.908
FOOD		16	22.056	2.779	12.602
PREM		16	198.563	9.872	4.972
POSTM		16	217.875	16.633	7.634
PREF		16	193.125	10.092	5.226
POSTF		16	241.938	19.334	7.991
ES_EL	ES/EL (%)	16	65.919	11.805	17.909
NH_EL	NH/EL (%)	16	46.454	16.073	34.600
ENC_EL	(EL-EC)/EL (%)	16	95.812	9.043	9.439
VE_ES	VE/ES (%)	16	90.265	12.242	13.562
NH_ES	NH/ES (%)	16	69.066	17.547	25.406
HS_ES	HS/ES (%)	16	60.971	17.447	28.616
LE_VE	LE/VE (%)	16	97.449	4.579	4.699
NH_LE	NH/LE (%)	16	78.149	14.017	17.936
HS_NH	HS/NH (%)	16	87.533	8.327	9.512

LEVEL=TRT3

Variable	Label	N	Mean	Std Dev	CV
EL		13	58.308	10.523	18.047
EC		13	2.308	4.191	181.608
ES		13	37.769	8.927	23.636
VE		13	33.615	9.828	29.237
LE		13	32.846	9.788	29.800
NH		13	26.923	7.708	28.629
HS		13	21.923	7.500	34.209
THICK		13	0.219	0.014	6.390
HATWT		13	5.434	0.321	5.912
SURVWT		13	21.408	1.836	8.574
FOOD		13	20.562	2.358	11.469
PREM		16	193.250	10.817	5.597
POSTM		13	215.923	12.613	5.841
PREF		16	196.688	9.762	4.963
POSTF		13	234.462	34.801	14.843
ES_EL	ES/EL (%)	13	64.243	6.727	10.470
NH_EL	NH/EL (%)	13	46.923	11.923	25.409
ENC_EL	(EL-EC)/EL (%)	13	96.330	6.208	6.444
VE_ES	VE/ES (%)	13	89.185	15.553	17.439
NH_ES	NH/ES (%)	13	72.883	18.737	25.709
HS_ES	HS/ES (%)	13	58.924	17.075	28.978
LE_VE	LE/VE (%)	13	97.555	3.136	3.215
NH_LE	NH/LE (%)	13	82.771	11.298	13.650
HS_NH	HS/NH (%)	13	80.392	11.311	14.070

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
1. ANALYSIS OF EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values

LEVEL 4 CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
1. ANALYSIS OF EGGS LAID
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General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
1. ANALYSIS OF EGGS LAID
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General Linear Models Procedure

Dependent Variable: EL

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	101.93503	33.97834	0.23	0.8740
Error	53	7778.62637	146.76654		
Corrected Total	56	7880.56140			

R-Square	C.V.	Root MSE	EL Mean
0.012935	20.50295	12.115	59.088

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	101.93503	33.97834	0.23	0.8740

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
1. ANALYSIS OF EGGS LAID
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General Linear Models Procedure
Least Squares Means

LEVEL	EL LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	59.2142857	1	.	0.7096	0.6887	0.8467
TRT1	57.5000000	2	0.7096	.	0.4334	0.8632
TRT2	61.0000000	3	0.6887	0.4334	.	0.5543
TRT3	58.3076923	4	0.8467	0.8632	0.5543	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
1. ANALYSIS OF EGGS LAID
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General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: EL

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 146.7665
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-9.974	1.786	13.545
TRT2 - TRT3	-9.306	2.692	14.691
TRT2 - TRT1	-8.259	3.500	15.259
CONTROL - TRT2	-13.545	-1.786	9.974
CONTROL - TRT3	-11.470	0.907	13.283
CONTROL - TRT1	-10.431	1.714	13.859
TRT3 - TRT2	-14.691	-2.692	9.306
TRT3 - CONTROL	-13.283	-0.907	11.470
TRT3 - TRT1	-11.569	0.808	13.184
TRT1 - TRT2	-15.259	-3.500	8.259
TRT1 - CONTROL	-13.859	-1.714	10.431
TRT1 - TRT3	-13.184	-0.808	11.569

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
1. ANALYSIS OF EGGS LAID
****
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General Linear Models Procedure

Dunnett's One-tailed T tests for variable: EL

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 146.7665
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-7.562	1.786	11.133
TRT3 - CONTROL	-10.745	-0.907	8.931
TRT1 - CONTROL	-11.368	-1.714	7.940

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
2. ANALYSIS OF EGGS CRACKED
****
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General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
2. ANALYSIS OF EGGS CRACKED
****
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General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
2. ANALYSIS OF EGGS CRACKED
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General Linear Models Procedure

Dependent Variable: EC

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	14.354829	4.784943	0.19	0.9020
Error	53	1326.697802	25.032034		
Corrected Total	56	1341.052632			

R-Square	C.V.	Root MSE	EC Mean
0.010704	221.0717	5.0032	2.2632

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	14.354829	4.784943	0.19	0.9020

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
2. ANALYSIS OF EGGS CRACKED
****
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General Linear Models Procedure
Least Squares Means

LEVEL	EC LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	1.42857143	1	.	0.5734	0.4736	0.6501
TRT1	2.50000000	2	0.5734	.	0.8919	0.9209
TRT2	2.75000000	3	0.4736	0.8919	.	0.8138
TRT3	2.30769231	4	0.6501	0.9209	0.8138	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
2. ANALYSIS OF EGGS CRACKED
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: EC

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 25.03203
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - TRT1	-4.606	0.250	5.106
TRT2 - TRT3	-4.513	0.442	5.397
TRT2 - CONTROL	-3.535	1.321	6.178
TRT1 - TRT2	-5.106	-0.250	4.606
TRT1 - TRT3	-4.919	0.192	5.304
TRT1 - CONTROL	-3.944	1.071	6.087
TRT3 - TRT2	-5.397	-0.442	4.513
TRT3 - TRT1	-5.304	-0.192	4.919
TRT3 - CONTROL	-4.232	0.879	5.990
CONTROL - TRT2	-6.178	-1.321	3.535
CONTROL - TRT1	-6.087	-1.071	3.944
CONTROL - TRT3	-5.990	-0.879	4.232

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
2. ANALYSIS OF EGGS CRACKED
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: EC

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 25.03203
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-2.539	1.321	5.182
TRT1 - CONTROL	-2.916	1.071	5.058
TRT3 - CONTROL	-3.184	0.879	4.942

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
3. ANALYSIS OF EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
3. ANALYSIS OF EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
3. ANALYSIS OF EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: ES

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	93.093154	31.031051	0.28	0.8401
Error	53	5887.959478	111.093575		
Corrected Total	56	5981.052632			

R-Square	C.V.	Root MSE	ES Mean
0.015565	26.84474	10.540	39.263

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	93.093154	31.031051	0.28	0.8401

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
3. ANALYSIS OF EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	ES LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	39.7857143	1	.	0.6948	0.7664	0.6214
TRT1	38.2142857	2	0.6948	.	0.4833	0.9131
TRT2	40.9375000	3	0.7664	0.4833	.	0.4244
TRT3	37.7692308	4	0.6214	0.9131	0.4244	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
3. ANALYSIS OF EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: ES

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 111.0936
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-9.079	1.152	11.383
TRT2 - TRT1	-7.508	2.723	12.954
TRT2 - TRT3	-7.270	3.168	13.607
CONTROL - TRT2	-11.383	-1.152	9.079
CONTROL - TRT1	-8.995	1.571	12.138
CONTROL - TRT3	-8.751	2.016	12.784
TRT1 - TRT2	-12.954	-2.723	7.508
TRT1 - CONTROL	-12.138	-1.571	8.995
TRT1 - TRT3	-10.323	0.445	11.213
TRT3 - TRT2	-13.607	-3.168	7.270
TRT3 - CONTROL	-12.784	-2.016	8.751
TRT3 - TRT1	-11.213	-0.445	10.323

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
3. ANALYSIS OF EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: ES

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 111.0936
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2	- CONTROL	-6.981	1.152	9.284
TRT1	- CONTROL	-9.971	-1.571	6.828
TRT3	- CONTROL	-10.576	-2.016	6.543

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
4. ANALYSIS OF VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
4. ANALYSIS OF VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
4. ANALYSIS OF VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: VE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F

Model	3	205.14848	68.38283	0.47	0.7027
Error	53	7669.72871	144.71186		
Corrected Total	56	7874.87719			

R-Square	C.V.	Root MSE	VE Mean
0.026051	33.28585	12.030	36.140

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	205.14848	68.38283	0.47	0.7027

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
4. ANALYSIS OF VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	VE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	37.7142857	1	.	0.5122	0.9373	0.3803
TRT1	34.7142857	2	0.5122	.	0.4503	0.8134
TRT2	38.0625000	3	0.9373	0.4503	.	0.3266
TRT3	33.6153846	4	0.3803	0.8134	0.3266	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
4. ANALYSIS OF VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: VE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 144.7119
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2	- CONTROL	-11.329	0.348	12.025
TRT2	- TRT1	-8.329	3.348	15.025
TRT2	- TRT3	-7.467	4.447	16.361
CONTROL	- TRT2	-12.025	-0.348	11.329
CONTROL	- TRT1	-9.060	3.000	15.060
CONTROL	- TRT3	-8.191	4.099	16.388
TRT1	- TRT2	-15.025	-3.348	8.329
TRT1	- CONTROL	-15.060	-3.000	9.060

TRT1	- TRT3	-11.191	1.099	13.388
TRT3	- TRT2	-16.361	-4.447	7.467
TRT3	- CONTROL	-16.388	-4.099	8.191
TRT3	- TRT1	-13.388	-1.099	11.191

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
4. ANALYSIS OF VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: VE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 144.7119
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2	- CONTROL	-8.934	0.348	9.630
TRT1	- CONTROL	-12.586	-3.000	6.586
TRT3	- CONTROL	-13.868	-4.099	5.670

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: LE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	219.01806	73.00602	0.50	0.6817
Error	53	7688.70124	145.06983		
Corrected Total	56	7907.71930			

R-Square	C.V.	Root MSE	LE Mean
0.027697	34.02062	12.044	35.404

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	219.01806	73.00602	0.50	0.6817

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	LE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	37.2857143	1	.	0.4547	0.9823	0.3429
TRT1	33.8571429	2	0.4547	.	0.4533	0.8283
TRT2	37.1875000	3	0.9823	0.4533	.	0.3388
TRT3	32.8461538	4	0.3429	0.8283	0.3388	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: LE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 145.0698
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit

CONTROL - TRT2	-11.593	0.098	11.789
CONTROL - TRT1	-8.646	3.429	15.503
CONTROL - TRT3	-7.865	4.440	16.744
TRT2 - CONTROL	-11.789	-0.098	11.593
TRT2 - TRT1	-8.361	3.330	15.022
TRT2 - TRT3	-7.587	4.341	16.270
TRT1 - CONTROL	-15.503	-3.429	8.646
TRT1 - TRT2	-15.022	-3.330	8.361
TRT1 - TRT3	-11.294	1.011	13.316
TRT3 - CONTROL	-16.744	-4.440	7.865
TRT3 - TRT2	-16.270	-4.341	7.587
TRT3 - TRT1	-13.316	-1.011	11.294

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: LE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 145.0698
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-9.392	-0.098	9.195
TRT1 - CONTROL	-13.027	-3.429	6.170
TRT3 - CONTROL	-14.221	-4.440	5.341

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
6. ANALYSIS OF NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
6. ANALYSIS OF NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
6. ANALYSIS OF NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: NH

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	310.01662	103.33887	0.85	0.4708
Error	53	6414.86058	121.03511		
Corrected Total	56	6724.87719			

R-Square	C.V.	Root MSE	NH Mean
0.046100	37.68575	11.002	29.193

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	310.01662	103.33887	0.85	0.4708

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
6. ANALYSIS OF NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	NH LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	33.0000000	1	.	0.1916	0.3480	0.1574
TRT1	27.5000000	2	0.1916	.	0.6768	0.8922
TRT2	29.1875000	3	0.3480	0.6768	.	0.5838
TRT3	26.9230769	4	0.1574	0.8922	0.5838	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
6. ANALYSIS OF NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: NH

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 121.0351
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT2	-6.866	3.813	14.491
CONTROL - TRT1	-5.529	5.500	16.529
CONTROL - TRT3	-5.162	6.077	17.316
TRT2 - CONTROL	-14.491	-3.813	6.866
TRT2 - TRT1	-8.991	1.688	12.366
TRT2 - TRT3	-8.631	2.264	13.160
TRT1 - CONTROL	-16.529	-5.500	5.529
TRT1 - TRT2	-12.366	-1.688	8.991
TRT1 - TRT3	-10.662	0.577	11.816
TRT3 - CONTROL	-17.316	-6.077	5.162
TRT3 - TRT2	-13.160	-2.264	8.631
TRT3 - TRT1	-11.816	-0.577	10.662

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
6. ANALYSIS OF NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: NH

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 121.0351
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-12.301	-3.813	4.676
TRT1 - CONTROL	-14.267	-5.500	3.267
TRT3 - CONTROL	-15.011	-6.077	2.857

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: HS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	527.16652	175.72217	1.78	0.1614
Error	53	5219.81593	98.48709		
Corrected Total	56	5746.98246			

R-Square	C.V.	Root MSE	HS Mean
0.091729	39.14684	9.9241	25.351

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	527.16652	175.72217	1.78	0.1614

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	HS LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	30.1428571	1	.	0.0792	0.2190	0.0361
TRT1	23.4285714	2	0.0792	.	0.5479	0.6953
TRT2	25.6250000	3	0.2190	0.5479	.	0.3223
TRT3	21.9230769	4	0.0361	0.6953	0.3223	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: HS

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 98.48709
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT2	-5.115	4.518	14.151
CONTROL - TRT1	-3.235	6.714	16.663
CONTROL - TRT3	-1.919	8.220	18.358
TRT2 - CONTROL	-14.151	-4.518	5.115
TRT2 - TRT1	-7.437	2.196	11.829
TRT2 - TRT3	-6.127	3.702	13.531
TRT1 - CONTROL	-16.663	-6.714	3.235
TRT1 - TRT2	-11.829	-2.196	7.437
TRT1 - TRT3	-8.633	1.505	11.644
TRT3 - CONTROL	-18.358	-8.220	1.919
TRT3 - TRT2	-13.531	-3.702	6.127
TRT3 - TRT1	-11.644	-1.505	8.633

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: HS

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 98.48709
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
TRT2 - CONTROL	-12.175	-4.518	3.139	
TRT1 - CONTROL	-14.623	-6.714	1.194	
TRT3 - CONTROL	-16.279	-8.220	-0.161	***

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
8. ANALYSIS OF EGGS SET/EGGS LAID

****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
8. ANALYSIS OF EGGS SET/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
8. ANALYSIS OF EGGS SET/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	10.907546	3.635849	0.13	0.9435
Error	53	1514.505236	28.575570		
Corrected Total	56	1525.412782			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.007151	9.876979	5.3456	54.122

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	10.907546	3.635849	0.13	0.9435

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
8. ANALYSIS OF EGGS SET/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	54.2501948	1	.	0.9425	0.9327	0.6553
TRT1	54.3965421	2	0.9425	.	0.9920	0.6053
TRT2	54.4161511	3	0.9327	0.9920	.	0.5872
TRT3	53.3259595	4	0.6553	0.6053	0.5872	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
8. ANALYSIS OF EGGS SET/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 28.57557
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - TRT1	-5.169	0.020	5.208
TRT2 - CONTROL	-5.023	0.166	5.355
TRT2 - TRT3	-4.204	1.090	6.384
TRT1 - TRT2	-5.208	-0.020	5.169
TRT1 - CONTROL	-5.213	0.146	5.505
TRT1 - TRT3	-4.391	1.071	6.532
CONTROL - TRT2	-5.355	-0.166	5.023
CONTROL - TRT1	-5.505	-0.146	5.213
CONTROL - TRT3	-4.537	0.924	6.385
TRT3 - TRT2	-6.384	-1.090	4.204
TRT3 - TRT1	-6.532	-1.071	4.391
TRT3 - CONTROL	-6.385	-0.924	4.537

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
8. ANALYSIS OF EGGS SET/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 28.57557
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit

LEVEL Comparison	Lower Confidence Limit	Difference Between Means	Upper Confidence Limit
TRT2 - CONTROL	-3.959	0.166	4.291
TRT1 - CONTROL	-4.114	0.146	4.406
TRT3 - CONTROL	-5.265	-0.924	3.417

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	384.19524	128.06508	0.81	0.4963
Error	53	8423.72440	158.93820		
Corrected Total	56	8807.91964			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.043619	16.64355	12.607	75.747

Source	DF	Type I SS	Mean Square	F Value	Pr > F

LEVEL	3	384.19524	128.06508	0.81	0.4963

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	80.2676230	1	.	0.2195	0.2258	0.1876
TRT1	74.3462108	2	0.2195	.	0.9541	0.9084
TRT2	74.6129672	3	0.2258	0.9541	.	0.8611
TRT3	73.7849882	4	0.1876	0.9084	0.8611	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 158.9382
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT2	-6.583	5.655	17.892
CONTROL - TRT1	-6.717	5.921	18.560
CONTROL - TRT3	-6.397	6.483	19.362
TRT2 - CONTROL	-17.892	-5.655	6.583
TRT2 - TRT1	-11.971	0.267	12.504
TRT2 - TRT3	-11.658	0.828	13.314
TRT1 - CONTROL	-18.560	-5.921	6.717
TRT1 - TRT2	-12.504	-0.267	11.971
TRT1 - TRT3	-12.318	0.561	13.441
TRT3 - CONTROL	-19.362	-6.483	6.397
TRT3 - TRT2	-13.314	-0.828	11.658
TRT3 - TRT1	-13.441	-0.561	12.318

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 158.9382
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-15.382	-5.655	4.073
TRT1 - CONTROL	-15.968	-5.921	4.125
TRT3 - CONTROL	-16.720	-6.483	3.755

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	79.585405	26.528468	0.50	0.6860

Error	53	2829.776040	53.392001
Corrected Total	56	2909.361445	

R-Square	C.V.	Root MSE	RESPONSE Mean
0.027355	8.637052	7.3070	84.600

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	79.585405	26.528468	0.50	0.6860

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	86.6030323	1	.	0.2661	0.3991	0.3525
TRT1	83.4989582	2	0.2661	.	0.7572	0.8697
TRT2	84.3299253	3	0.3991	0.7572	.	0.8935
TRT3	83.9629196	4	0.3525	0.8697	0.8935	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 53.392
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT2	-4.820	2.273	9.366
CONTROL - TRT3	-4.825	2.640	10.105
CONTROL - TRT1	-4.221	3.104	10.429
TRT2 - CONTROL	-9.366	-2.273	4.820
TRT2 - TRT3	-6.870	0.367	7.604
TRT2 - TRT1	-6.262	0.831	7.924
TRT3 - CONTROL	-10.105	-2.640	4.825
TRT3 - TRT2	-7.604	-0.367	6.870
TRT3 - TRT1	-7.001	0.464	7.929
TRT1 - CONTROL	-10.429	-3.104	4.221

TRT1 - TRT2	-7.924	-0.831	6.262
TRT1 - TRT3	-7.929	-0.464	7.001

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 53.392
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-7.911	-2.273	3.365
TRT3 - CONTROL	-8.574	-2.640	3.294
TRT1 - CONTROL	-8.927	-3.104	2.719

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS

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*****************************************************
                                   09:59 Tuesday, March 11, 1997

                General Linear Models Procedure

Dependent Variable: RESPONSE
                                Sum of        Mean
Source                 DF      Squares      Square  F Value    Pr > F

Model                   3    719.92995   239.97665     2.57    0.0641

Error                  53   4953.18592    93.45634

Corrected Total        56   5673.11588

                R-Square        C.V.     Root MSE      RESPONSE Mean

                0.126902    14.66848       9.6673             65.905

Source                 DF   Type I SS  Mean Square  F Value    Pr > F

LEVEL                   3   719.92995   239.97665     2.57    0.0641


      MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
       11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS
       *****************************************************
                                   09:59 Tuesday, March 11, 1997

                General Linear Models Procedure
                     Least Squares Means

      LEVEL        RESPONSE   Pr > |T| HO: LSMEAN(i)=LSMEAN(j)
                    LSMEAN    i/j     1       2       3       4

      CONTROL    71.4178851   1    .     0.0194  0.0223  0.2393
      TRT1       62.6039261   2  0.0194    .     0.8910  0.2444
      TRT2       63.0912736   3  0.0223  0.8910    .     0.2854
      TRT3       66.9867072   4  0.2393  0.2444  0.2854    .

NOTE: To ensure overall protection level, only probabilities associated
      with pre-planned comparisons should be used.


      MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
       11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS
       *****************************************************
                                   09:59 Tuesday, March 11, 1997

                General Linear Models Procedure

     Tukey's Studentized Range (HSD) Test for variable: RESPONSE

     NOTE: This test controls the type I experimentwise error rate.

         Alpha= 0.05  Confidence= 0.95  df= 53  MSE= 93.45634
              Critical Value of Studentized Range= 3.751

   Comparisons significant at the 0.05 level are indicated by '***'.

                          Simultaneous            Simultaneous
                             Lower    Difference     Upper
         LEVEL            Confidence   Between    Confidence
       Comparison            Limit      Means       Limit

     CONTROL - TRT3          -5.445      4.431      14.307
     CONTROL - TRT2          -1.057      8.327      17.710
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     CONTROL - TRT1          -0.878      8.814      18.505

     TRT3    - CONTROL      -14.307     -4.431       5.445
     TRT3    - TRT2          -5.679      3.895      13.470
     TRT3    - TRT1          -5.493      4.383      14.259

     TRT2    - CONTROL      -17.710     -8.327       1.057
     TRT2    - TRT3         -13.470     -3.895       5.679
     TRT2    - TRT1          -8.896      0.487       9.871

     TRT1    - CONTROL      -18.505     -8.814       0.878
     TRT1    - TRT3         -14.259     -4.383       5.493
     TRT1    - TRT2          -9.871     -0.487       8.896


      MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
       11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS
       *****************************************************
                                   09:59 Tuesday, March 11, 1997

                General Linear Models Procedure

     Dunnett's One-tailed T tests for variable: RESPONSE

     NOTE: This tests controls the type I experimentwise error for
           comparisons of all treatments against a control.

         Alpha= 0.05  Confidence= 0.95  df= 53  MSE= 93.45634
              Critical Value of Dunnett's T= 2.108

   Comparisons significant at the 0.05 level are indicated by '***'.

                          Simultaneous            Simultaneous
                             Lower    Difference     Upper
         LEVEL            Confidence   Between    Confidence
       Comparison            Limit      Means       Limit

     TRT3    - CONTROL      -12.282     -4.431       3.419
     TRT2    - CONTROL      -15.786     -8.327      -0.867   ***
     TRT1    - CONTROL      -16.518     -8.814      -1.110   ***


      MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
       12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID
       *******************************************
                                   09:59 Tuesday, March 11, 1997

                General Linear Models Procedure
                   Class Level Information

            Class     Levels    Values

            LEVEL        4      CONTROL TRT1 TRT2 TRT3

            Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this
      analysis.

      MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
       12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID
       *******************************************
                                   09:59 Tuesday, March 11, 1997

                General Linear Models Procedure
             Type I Estimable Functions for: LEVEL
```

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	240.31252	80.10417	1.00	0.4008
Error	53	4252.27524	80.23161		
Corrected Total	56	4492.58777			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.053491	20.38114	8.9572	43.949

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	240.31252	80.10417	1.00	0.4008

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	47.5385575	1	.	0.1526	0.1476	0.1957
TRT1	42.6247415	2	0.1526	.	0.9765	0.9097
TRT2	42.7215981	3	0.1476	0.9765	.	0.9297
TRT3	43.0179907	4	0.1957	0.9097	0.9297	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 80.23161

Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT3	-4.630	4.521	13.671
CONTROL - TRT2	-3.878	4.817	13.511
CONTROL - TRT1	-4.066	4.914	13.893
TRT3 - CONTROL	-13.671	-4.521	4.630
TRT3 - TRT2	-8.575	0.296	9.167
TRT3 - TRT1	-8.757	0.393	9.544
TRT2 - CONTROL	-13.511	-4.817	3.878
TRT2 - TRT3	-9.167	-0.296	8.575
TRT2 - TRT1	-8.598	0.097	8.791
TRT1 - CONTROL	-13.893	-4.914	4.066
TRT1 - TRT3	-9.544	-0.393	8.757
TRT1 - TRT2	-8.791	-0.097	8.598

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 80.23161
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT3 - CONTROL	-11.794	-4.521	2.753
TRT2 - CONTROL	-11.728	-4.817	2.094
TRT1 - CONTROL	-12.052	-4.914	2.224

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	649.52056	216.50685	2.84	0.0465
Error	53	4038.54198	76.19891		
Corrected Total	56	4688.06254			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.138548	12.39363	8.7292	70.433

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	649.52056	216.50685	2.84	0.0465

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	74.1987608	1	.	0.4756	0.2591	0.0068
TRT1	71.8283715	2	0.4756	.	0.6916	0.0394
TRT2	70.5543081	3	0.2591	0.6916	.	0.0794
TRT3	64.7254282	4	0.0068	0.0394	0.0794	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455

13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 76.19891
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
CONTROL - TRT1	-6.381	2.370	11.121	
CONTROL - TRT2	-4.829	3.644	12.118	
CONTROL - TRT3	0.556	9.473	18.391	***
TRT1 - CONTROL	-11.121	-2.370	6.381	
TRT1 - TRT2	-7.199	1.274	9.747	
TRT1 - TRT3	-1.815	7.103	16.021	
TRT2 - CONTROL	-12.118	-3.644	4.829	
TRT2 - TRT1	-9.747	-1.274	7.199	
TRT2 - TRT3	-2.816	5.829	14.474	
TRT3 - CONTROL	-18.391	-9.473	-0.556	***
TRT3 - TRT1	-16.021	-7.103	1.815	
TRT3 - TRT2	-14.474	-5.829	2.816	

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 76.19891
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
TRT1 - CONTROL	-9.327	-2.370	4.586	
TRT2 - CONTROL	-10.380	-3.644	3.091	
TRT3 - CONTROL	-16.562	-9.473	-2.385	***

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	34.684555	11.561518	0.15	0.9282
Error	53	4043.043421	76.283838		
Corrected Total	56	4077.727976			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.008506	10.59676	8.7341	82.422

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	34.684555	11.561518	0.15	0.9282

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4

CONTROL	82.5360928	1	.	0.8884	0.8975	0.6553
TRT1	83.0014538	2	0.8884	.	0.9871	0.5595
TRT2	82.9496819	3	0.8975	0.9871	.	0.5577
TRT3	81.0256749	4	0.6553	0.5595	0.5577	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 76.28384
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT1 - TRT2	-8.426	0.052	8.530
TRT1 - CONTROL	-8.291	0.465	9.221
TRT1 - TRT3	-6.947	1.976	10.899
TRT2 - TRT1	-8.530	-0.052	8.426
TRT2 - CONTROL	-8.064	0.414	8.892
TRT2 - TRT3	-6.726	1.924	10.574
CONTROL - TRT1	-9.221	-0.465	8.291
CONTROL - TRT2	-8.892	-0.414	8.064
CONTROL - TRT3	-7.412	1.510	10.433
TRT3 - TRT1	-10.899	-1.976	6.947
TRT3 - TRT2	-10.574	-1.924	6.726
TRT3 - CONTROL	-10.433	-1.510	7.412

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 76.28384
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit

TRT1	- CONTROL	-6.495	0.465	7.425
TRT2	- CONTROL	-6.326	0.414	7.153
TRT3	- CONTROL	-8.603	-1.510	5.582

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	828.23331	276.07777	1.85	0.1491
Error	53	7902.35971	149.10113		
Corrected Total	56	8730.59302			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.094866	20.37322	12.211	59.935

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	828.23331	276.07777	1.85	0.1491

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	66.1587141	1	.	0.0430	0.0480	0.2191
TRT1	56.5905335	2	0.0430	.	0.9076	0.4327
TRT2	57.1117487	3	0.0480	0.9076	.	0.4862
TRT3	60.3091986	4	0.2191	0.4327	0.4862	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 149.1011
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT3	-6.625	5.850	18.324
CONTROL - TRT2	-2.806	9.047	20.900
CONTROL - TRT1	-2.673	9.568	21.810
TRT3 - CONTROL	-18.324	-5.850	6.625
TRT3 - TRT2	-8.896	3.197	15.291
TRT3 - TRT1	-8.756	3.719	16.193
TRT2 - CONTROL	-20.900	-9.047	2.806
TRT2 - TRT3	-15.291	-3.197	8.896
TRT2 - TRT1	-11.331	0.521	12.374
TRT1 - CONTROL	-21.810	-9.568	2.673
TRT1 - TRT3	-16.193	-3.719	8.756
TRT1 - TRT2	-12.374	-0.521	11.331

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for

comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 149.1011
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT3	- CONTROL	-15.765	-5.850	4.066
TRT2	- CONTROL	-18.469	-9.047	0.375
TRT1	- CONTROL	-19.299	-9.568	0.162

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1142.1296	380.7099	3.59	0.0195
Error	53	5619.0888	106.0205		
Corrected Total	56	6761.2184			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.168924	19.32560	10.297	53.280

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	1142.1296	380.7099	3.59	0.0195

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	61.0446142	1	.	0.0071	0.0164	0.0087
TRT1	50.1420939	2	0.0071	.	0.6801	0.9814
TRT2	51.7045790	3	0.0164	0.6801	.	0.7039
TRT3	50.2352220	4	0.0087	0.9814	0.7039	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 106.0205
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
CONTROL	- TRT2	-0.655	9.340	19.335	
CONTROL	- TRT3	0.290	10.809	21.328	***
CONTROL	- TRT1	0.580	10.903	21.225	***
TRT2	- CONTROL	-19.335	-9.340	0.655	
TRT2	- TRT3	-8.728	1.469	11.667	
TRT2	- TRT1	-8.432	1.562	11.557	
TRT3	- CONTROL	-21.328	-10.809	-0.290	***
TRT3	- TRT2	-11.667	-1.469	8.728	
TRT3	- TRT1	-10.426	0.093	10.612	
TRT1	- CONTROL	-21.225	-10.903	-0.580	***
TRT1	- TRT2	-11.557	-1.562	8.432	
TRT1	- TRT3	-10.612	-0.093	10.426	

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 106.0205
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
TRT2 - CONTROL	-17.285	-9.340	-1.395	***
TRT3 - CONTROL	-19.171	-10.809	-2.448	***
TRT1 - CONTROL	-19.108	-10.903	-2.697	***

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
17. ANALYSIS OF EGGSHELL THICKNESS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
17. ANALYSIS OF EGGSHELL THICKNESS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
17. ANALYSIS OF EGGSHELL THICKNESS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: THICK

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	0.0012570	0.0004190	2.06	0.1172
Error	53	0.0108019	0.0002038		
Corrected Total	56	0.0120590			

R-Square	C.V.	Root MSE	THICK Mean
0.104241	6.568281	0.0143	0.2174

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	0.0012570	0.0004190	2.06	0.1172

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
17. ANALYSIS OF EGGSHELL THICKNESS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	THICK LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	0.20942857	1	.	0.0237	0.0841	0.0781
TRT1	0.22200000	2	0.0237	.	0.5211	0.6264
TRT2	0.21862500	3	0.0841	0.5211	.	0.8986
TRT3	0.21930769	4	0.0781	0.6264	0.8986	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
17. ANALYSIS OF EGGSHELL THICKNESS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: THICK

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 0.000204
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT1 - TRT3	-0.011892	0.002692	0.017277
TRT1 - TRT2	-0.010483	0.003375	0.017233
TRT1 - CONTROL	-0.001741	0.012571	0.026883
TRT3 - TRT1	-0.017277	-0.002692	0.011892

TRT3	- TRT2	-0.013456	0.000683	0.014822
TRT3	- CONTROL	-0.004706	0.009879	0.024464
TRT2	- TRT1	-0.017233	-0.003375	0.010483
TRT2	- TRT3	-0.014822	-0.000683	0.013456
TRT2	- CONTROL	-0.004661	0.009196	0.023054
CONTROL	- TRT1	-0.026883	-0.012571	0.001741
CONTROL	- TRT3	-0.024464	-0.009879	0.004706
CONTROL	- TRT2	-0.023054	-0.009196	0.004661

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
17. ANALYSIS OF EGGSHELL THICKNESS
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: THICK

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 0.000204
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT1 - CONTROL	0.001195	0.012571	0.023948
TRT3 - CONTROL	-0.001714	0.009879	0.021472
TRT2 - CONTROL	-0.001819	0.009196	0.020212

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
18. ANALYSIS OF HATCHLING WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
18. ANALYSIS OF HATCHLING WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect	Coefficients
INTERCEPT	0

LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
18. ANALYSIS OF HATCHLING WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: HATWT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1.5370701	0.5123567	3.97	0.0126
Error	53	6.8369229	0.1289985		
Corrected Total	56	8.3739930			

R-Square	C.V.	Root MSE	HATWT Mean
0.183553	6.308884	0.3592	5.6930

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	1.5370701	0.5123567	3.97	0.0126

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
18. ANALYSIS OF HATCHLING WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	HATWT LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	5.86857143	1	.	0.0912	0.6074	0.0027
TRT1	5.63500000	2	0.0912	.	0.2132	0.1518
TRT2	5.80062500	3	0.6074	0.2132	.	0.0085
TRT3	5.43384615	4	0.0027	0.1518	0.0085	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
18. ANALYSIS OF HATCHLING WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: HATWT

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 0.128999
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
CONTROL - TRT2	-0.2807	0.0679	0.4166	
CONTROL - TRT1	-0.1265	0.2336	0.5936	
CONTROL - TRT3	0.0678	0.4347	0.8016	***
TRT2 - CONTROL	-0.4166	-0.0679	0.2807	
TRT2 - TRT1	-0.1830	0.1656	0.5143	
TRT2 - TRT3	0.0111	0.3668	0.7225	***
TRT1 - CONTROL	-0.5936	-0.2336	0.1265	
TRT1 - TRT2	-0.5143	-0.1656	0.1830	
TRT1 - TRT3	-0.1658	0.2012	0.5681	
TRT3 - CONTROL	-0.8016	-0.4347	-0.0678	***
TRT3 - TRT2	-0.7225	-0.3668	-0.0111	***
TRT3 - TRT1	-0.5681	-0.2012	0.1658	

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
18. ANALYSIS OF HATCHLING WEIGHT
****
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General Linear Models Procedure

Dunnett's One-tailed T tests for variable: HATWT

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 0.128999
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
TRT2 - CONTROL	-0.3451	-0.0679	0.2092	
TRT1 - CONTROL	-0.5198	-0.2336	0.0526	
TRT3 - CONTROL	-0.7264	-0.4347	-0.1431	***

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: SURVWT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	78.832459	26.277486	5.32	0.0028
Error	53	261.927891	4.942036		
Corrected Total	56	340.760351			

R-Square	C.V.	Root MSE	SURVWT Mean
0.231343	9.482521	2.2231	23.444

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	78.832459	26.277486	5.32	0.0028

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	SURVWT LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	24.5000000	1	.	0.1990	0.7195	0.0007
TRT1	23.4071429	2	0.1990	.	0.3304	0.0234
TRT2	24.2062500	3	0.7195	0.3304	.	0.0014
TRT3	21.4076923	4	0.0007	0.0234	0.0014	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: SURVWT

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 4.942036
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
CONTROL - TRT2	-1.8641	0.2938	2.4516	
CONTROL - TRT1	-1.1358	1.0929	3.3215	
CONTROL - TRT3	0.8212	3.0923	5.3634	***
TRT2 - CONTROL	-2.4516	-0.2938	1.8641	
TRT2 - TRT1	-1.3588	0.7991	2.9570	
TRT2 - TRT3	0.5969	2.7986	5.0003	***
TRT1 - CONTROL	-3.3215	-1.0929	1.1358	
TRT1 - TRT2	-2.9570	-0.7991	1.3588	
TRT1 - TRT3	-0.2716	1.9995	4.2705	
TRT3 - CONTROL	-5.3634	-3.0923	-0.8212	***
TRT3 - TRT2	-5.0003	-2.7986	-0.5969	***
TRT3 - TRT1	-4.2705	-1.9995	0.2716	

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: SURVWT

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 4.942036
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
TRT2 - CONTROL	-2.0090	-0.2938	1.4215	
TRT1 - CONTROL	-2.8644	-1.0929	0.6787	
TRT3 - CONTROL	-4.8976	-3.0923	-1.2870	***

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
20. ANALYSIS OF FOOD CONSUMPTION
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
20. ANALYSIS OF FOOD CONSUMPTION
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
20. ANALYSIS OF FOOD CONSUMPTION
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: FOOD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	25.804818	8.601606	1.37	0.2608
Error	53	331.837287	6.261081		
Corrected Total	56	357.642105			

R-Square	C.V.	Root MSE	FOOD Mean
0.072153	11.83228	2.5022	21.147

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	25.804818	8.601606	1.37	0.2608

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
20. ANALYSIS OF FOOD CONSUMPTION
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	FOOD LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	21.3785714	1	.	0.3161	0.4625	0.4004
TRT1	20.4214286	2	0.3161	.	0.0799	0.8850

TRT2	22.0562500	3	0.4625	0.0799	.	0.1156
TRT3	20.5615385	4	0.4004	0.8850	0.1156	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
20. ANALYSIS OF FOOD CONSUMPTION
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: FOOD

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 6.261081
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-1.7512	0.6777	3.1065
TRT2 - TRT3	-0.9834	1.4947	3.9729
TRT2 - TRT1	-0.7940	1.6348	4.0637
CONTROL - TRT2	-3.1065	-0.6777	1.7512
CONTROL - TRT3	-1.7392	0.8170	3.3733
CONTROL - TRT1	-1.5513	0.9571	3.4656
TRT3 - TRT2	-3.9729	-1.4947	0.9834
TRT3 - CONTROL	-3.3733	-0.8170	1.7392
TRT3 - TRT1	-2.4162	0.1401	2.6964
TRT1 - TRT2	-4.0637	-1.6348	0.7940
TRT1 - CONTROL	-3.4656	-0.9571	1.5513
TRT1 - TRT3	-2.6964	-0.1401	2.4162

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
20. ANALYSIS OF FOOD CONSUMPTION
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: FOOD

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 6.261081
Critical Value of Dunnett's T= 2.108

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-1.2530	0.6777	2.6084
TRT3 - CONTROL	-2.8490	-0.8170	1.2149

TRT1 - CONTROL	-2.9511	-0.9571	1.0369

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
21. COVARIATE ANALYSIS OF MALE BODY WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
21. COVARIATE ANALYSIS OF MALE BODY WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: POSTM

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	3374.0715	843.5179	5.70	0.0007
Error	52	7699.9285	148.0755		
Corrected Total	56	11074.0000			

R-Square	C.V.	Root MSE	POSTM Mean
0.304684	5.556452	12.169	219.00

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	515.4698	171.8233	1.16	0.3338
PREM	1	2858.6017	2858.6017	19.31	0.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LEVEL	3	152.2631	50.7544	0.34	0.7945
PREM	1	2858.6017	2858.6017	19.31	0.0001

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
21. COVARIATE ANALYSIS OF MALE BODY WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	POSTM LSMEAN	Std Err LSMEAN	Pr > |T| HO:LSMEAN=0	LSMEAN Number
CONTROL	220.492536	3.298555	0.0001	1
TRT1	220.756195	3.338585	0.0001	2

TRT2	216.993575	3.048765	0.0001	3
TRT3	217.970813	3.406998	0.0001	4

Pr > |T| HO: LSMEAN(i)=LSMEAN(j)

i/j	1	2	3	4
1	.	0.9562	0.4420	0.5929
2	0.9562	.	0.4056	0.5677
3	0.4420	0.4056	.	0.8323
4	0.5929	0.5677	0.8323	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
21. COVARIATE ANALYSIS OF MALE BODY WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: POSTM

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 52 MSE= 148.0755
Critical Value of Studentized Range= 3.753

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT1	- CONTROL	-6.207	6.000	18.207
TRT1	- TRT2	-5.623	6.196	18.016
TRT1	- TRT3	-4.291	8.148	20.588
CONTROL	- TRT1	-18.207	-6.000	6.207
CONTROL	- TRT2	-11.623	0.196	12.016
CONTROL	- TRT3	-10.291	2.148	14.588
TRT2	- TRT1	-18.016	-6.196	5.623
TRT2	- CONTROL	-12.016	-0.196	11.623
TRT2	- TRT3	-10.107	1.952	14.011
TRT3	- TRT1	-20.588	-8.148	4.291
TRT3	- CONTROL	-14.588	-2.148	10.291
TRT3	- TRT2	-14.011	-1.952	10.107

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
21. COVARIATE ANALYSIS OF MALE BODY WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: POSTM

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 52 MSE= 148.0755
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT1	- CONTROL	-3.701	6.000	15.701
TRT2	- CONTROL	-9.590	-0.196	9.197
TRT3	- CONTROL	-12.035	-2.148	7.738

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
22. COVARIATE ANALYSIS OF FEMALE BODY WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 57 observations can be used in this analysis.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
22. COVARIATE ANALYSIS OF FEMALE BODY WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dependent Variable: POSTF

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	10842.939	2710.735	7.89	0.0001
Error	52	17876.114	343.771		
Corrected Total	56	28719.053			

R-Square	C.V.	Root MSE	POSTF Mean
0.377552	7.880993	18.541	235.26

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	1253.6701	417.8900	1.22	0.3133
PREF	1	9589.2685	9589.2685	27.89	0.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LEVEL	3	1322.6929	440.8976	1.28	0.2901
PREF	1	9589.2685	9589.2685	27.89	0.0001

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
22. COVARIATE ANALYSIS OF FEMALE BODY WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	POSTF LSMEAN	Std Err LSMEAN	Pr > |T| HO:LSMEAN=0	LSMEAN Number
CONTROL	232.966022	4.963815	0.0001	1
TRT1	236.674901	5.156444	0.0001	2
TRT2	241.637508	4.635616	0.0001	3
TRT3	228.371304	5.270071	0.0001	4

Pr > |T| HO: LSMEAN(i)=LSMEAN(j)

i/j	1	2	3	4
1	.	0.6094	0.2072	0.5258
2	0.6094	.	0.4781	0.2792
3	0.2072	0.4781	.	0.0640
4	0.5258	0.2792	0.0640	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
22. COVARIATE ANALYSIS OF FEMALE BODY WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: POSTF

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 52 MSE= 343.7714
Critical Value of Studentized Range= 3.753

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-10.571	7.438	25.446
TRT2 - TRT3	-10.899	7.476	25.851
TRT2 - TRT1	-5.214	12.795	30.804
CONTROL - TRT2	-25.446	-7.438	10.571
CONTROL - TRT3	-18.915	0.038	18.992
CONTROL - TRT1	-13.242	5.357	23.957
TRT3 - TRT2	-25.851	-7.476	10.899
TRT3 - CONTROL	-18.992	-0.038	18.915
TRT3 - TRT1	-13.635	5.319	24.273
TRT1 - TRT2	-30.804	-12.795	5.214
TRT1 - CONTROL	-23.957	-5.357	13.242
TRT1 - TRT3	-24.273	-5.319	13.635

MANCOZEB: BOBWHITE - W/OUT LOT A AND PENS 1401 AND 1455
22. COVARIATE ANALYSIS OF FEMALE BODY WEIGHT
****
09:59 Tuesday, March 11, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: POSTF

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 52 MSE= 343.7714
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-6.875	7.438	21.750
TRT3 - CONTROL	-15.102	-0.038	15.025
TRT1 - CONTROL	-20.139	-5.357	9.425

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE

14:34 Monday, March 10, 1997

OBS	LEVEL	EL	EC	ES	VE	LE	NH	HS	THICK	HATWT	SURVWT	FOOD	PREM	POSTM	PREF	POSTF
1	CONTROL	5	0	4	4	3	3	3	0.211	4.50	21.5	15.3	216	211	194	185
2	CONTROL	68	0	47	46	46	40	38	0.229	6.11	24.5	22.0	191	215	200	239
3	CONTROL	47	2	30	30	29	23	21	0.189	6.00	20.7	19.8	194	246	203	235
4	CONTROL	52	0	36	25	25	22	18	0.210	5.63	24.2	21.9	198	239	201	244
5	CONTROL	65	0	46	46	46	42	39	0.197	5.13	22.8	18.5	188	219	196	237
6	CONTROL	.	.	.	.	.	.	.	.	.	.	.	211	.	192	.
7	CONTROL	68	2	47	45	45	42	38	0.216	5.89	26.6	22.9	191	214	179	238
8	CONTROL	70	4	47	45	45	35	28	0.206	6.20	30.3	22.2	189	226	205	256
9	CONTROL	58	3	35	29	28	27	25	0.206	5.71	25.4	19.5	183	198	176	219
10	CONTROL	70	0	49	49	49	42	40	0.237	6.00	25.4	22.4	197	204	195	251
11	CONTROL	61	1	42	42	42	38	37	0.208	6.14	22.7	23.8	193	218	188	227
12	CONTROL	18	1	8	8	8	7	7	0.194	5.67	26.7	18.9	203	213	193	170
13	CONTROL	71	2	49	48	48	45	42	0.205	6.00	20.8	19.6	198	217	187	241
14	CONTROL	67	0	48	45	45	42	35	0.207	5.33	21.8	24.8	196	198	198	238
15	CONTROL	53	3	32	31	30	30	26	0.212	6.00	23.8	17.3	198	207	200	234
16	CONTROL	68	3	46	43	40	30	29	0.216	6.22	26.8	25.7	201	239	195	254
17	TRT1	47	2	38	37	37	33	26	0.229	5.33	20.9	19.5	200	224	175	214
18	TRT1	.	.	.	.	.	.	.	.	.	.	.	196	.	190	.
19	TRT1	71	3	49	48	48	35	32	0.237	6.22	26.3	19.5	201	216	200	240
20	TRT1	64	0	45	44	43	40	32	0.230	5.44	25.0	20.9	207	240	180	219
21	TRT1	57	2	36	30	29	27	20	0.225	5.50	23.6	19.4	213	223	195	219
22	TRT1	64	24	29	6	5	2	2	0.211	5.00	22.0	24.9	190	222	178	219
23	TRT1	68	2	47	45	45	41	35	0.223	5.63	23.5	19.5	217	234	187	216
24	TRT1	60	1	40	37	35	25	23	0.185	5.63	23.3	17.6	201	215	180	228
25	TRT1	67	0	48	48	48	43	37	0.195	5.67	24.0	22.4	182	231	192	242
26	TRT1	53	1	34	30	30	24	24	0.223	5.43	23.3	22.7	189	218	192	244
27	TRT1	57	0	39	39	35	26	24	0.237	6.00	26.1	21.9	200	213	177	222
28	TRT1	37	0	21	17	17	8	7	0.214	6.50	20.8	18.9	204	225	186	236
29	TRT1	31	0	17	15	15	12	12	0.240	6.25	26.3	23.2	216	246	200	244
30	TRT1	68	0	49	46	46	33	28	0.232	5.00	22.5	18.3	195	204	186	230
31	TRT1	62	0	44	44	41	36	26	0.227	5.29	20.1	17.2	209	226	198	235
32	TRT1	.	.	.	.	.	.	.	.	.	.	.	193	.	198	.
33	TRT2	64	0	47	45	44	24	17	0.215	5.25	24.0	20.2	195	218	175	219
34	TRT2	57	0	41	41	41	38	35	0.218	5.88	27.1	24.9	206	243	191	234
35	TRT2	66	3	48	45	44	37	35	0.216	6.13	25.5	26.8	183	183	184	225
36	TRT2	63	2	42	41	41	36	29	0.225	6.13	24.5	19.7	213	234	191	238
37	TRT2	73	0	54	52	50	43	37	0.216	5.56	23.0	22.8	190	220	199	261
38	TRT2	63	0	44	40	35	15	10	0.222	5.57	24.8	20.5	193	199	199	247
39	TRT2	78	2	58	54	54	46	40	0.220	5.80	22.0	25.2	187	205	192	259
40	TRT2	24	0	9	5	5	4	4	0.251	5.50	20.0	19.0	211	227	202	234
41	TRT2	73	0	54	50	50	44	40	0.204	6.00	23.7	27.9	200	218	209	259
42	TRT2	61	0	42	37	36	28	26	0.221	6.25	26.7	20.6	201	238	196	243
43	TRT2	70	5	48	47	47	37	33	0.228	5.44	28.8	20.7	189	221	194	247
44	TRT2	56	0	38	37	37	36	34	0.231	5.71	23.6	20.1	213	212	182	217
45	TRT2	74	26	28	20	17	14	12	0.217	5.67	23.9	20.2	198	200	190	234
46	TRT2	56	1	36	34	34	24	21	0.220	5.88	23.0	19.3	203	226	197	260
47	TRT2	64	0	46	44	43	29	25	0.213	5.44	22.1	21.9	187	204	178	211
48	TRT2	54	6	34	25	25	18	16	0.181	6.29	24.8	23.1	208	238	211	283
49	TRT3	66	1	46	42	41	34	23	0.207	5.63	19.7	19.1	183	200	197	239
50	TRT3	66	3	45	43	43	24	18	0.214	5.88	22.0	20.8	194	227	197	224
51	TRT3	40	1	23	23	23	23	18	0.220	5.00	20.2	18.0	212	242	211	240
52	TRT3	.	.	.	.	.	.	.	.	.	.	.	183	.	202	.
53	TRT3	63	1	41	37	36	31	24	0.201	5.13	19.1	19.4	189	200	188	242
54	TRT3	43	0	26	26	26	23	14	0.215	5.14	21.4	17.0	214	219	181	185
55	TRT3	23	0	10	9	9	6	5	0.211	5.50	22.5	15.8	185	.	190	.
56	TRT3	63	1	46	40	38	32	31	0.224	5.43	21.9	22.9	212	226	196	255
57	TRT3	69	1	42	38	35	29	25	0.238	5.50	22.0	19.6	184	210	205	258
58	TRT3	.	.	.	.	.	.	.	.	.	.	.	192	.	191	.
59	TRT3	41	1	22	21	21	20	17	0.197	5.20	22.2	20.8	201	221	178	217

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE

14:34 Monday, March 10, 1997

OBS	LEVEL	EL	EC	ES	VE	LE	NH	HS	THICK	HATWT	SURVWT	FOOD	PREM	POSTM	PREF	POSTF
60	TRT3	56	2	36	30	28	23	22	0.244	5.38	26.5	20.4	189	220	201	272
61	TRT3	54	0	38	36	36	30	27	0.215	6.14	21.9	26.0	194	201	205	252
62	TRT3	70	16	38	14	13	9	6	0.237	5.20	20.0	23.2	184	218	210	270
63	TRT3	66	2	47	44	44	33	25	0.217	5.57	20.7	20.5	185	203	205	246
64	TRT3	66	1	45	43	43	39	35	0.222	5.44	20.7	19.6	191	220	190	148

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE

14:34 Monday, March 10, 1997

	LEVEL			
	CONTROL	TRT1	TRT2	TRT3
	MEAN	MEAN	MEAN	MEAN
EL	56.07	57.57	62.25	56.14
EC	1.40	2.50	2.81	2.14
ES	37.73	38.29	41.81	36.07
VE	35.73	34.71	38.56	31.86
LE	35.27	33.86	37.69	31.14
NH	31.20	27.50	29.56	25.43
HS	28.40	23.43	25.88	20.71
ES/EL (%)	66.77	65.95	66.04	62.88
(EL-EC)/EL (%)	97.46	96.00	95.91	96.67
VE/ES (%)	94.92	88.33	89.63	88.86
LE/VE (%)	97.20	96.80	97.45	97.73
NH/EL (%)	54.73	46.89	46.22	45.31
NH/ES (%)	82.14	68.82	68.54	71.73
NH/LE (%)	89.26	77.23	77.96	81.62
HS/ES (%)	75.51	59.19	60.31	58.13
HS/NH (%)	91.78	87.47	87.09	80.60
THICK	0.21	0.22	0.22	0.22
HATWT	5.77	5.64	5.78	5.44
SURVWT	24.27	23.41	24.22	21.49
FOOD	20.97	20.42	22.06	20.22
POSTM	217.60	224.07	217.88	215.92
POSTF	231.20	229.14	241.94	234.46

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
14:34 Monday, March 10, 1997

LEVEL=CONTROL

Variable	Label	N	Mean	Std Dev	CV
EL		15	56.067	19.696	35.129
EC		15	1.400	1.404	100.291
ES		15	37.733	14.385	38.122
VE		15	35.733	14.340	40.131
LE		15	35.267	14.499	41.111
NH		15	31.200	12.952	41.511
HS		15	28.400	12.005	42.270
THICK		15	0.210	0.012	5.845
HATWT		15	5.769	0.472	8.177
SURVWT		15	24.267	2.674	11.020
FOOD		15	20.973	2.874	13.705
PREM		16	196.688	8.364	4.253
POSTM		15	217.600	14.505	6.666
PREF		16	193.875	8.098	4.177
POSTF		15	231.200	23.968	10.367
ES_EL	ES/EL (%)	15	66.769	7.754	11.613
NH_EL	NH/EL (%)	15	54.731	8.698	15.892
ENC_EL	(EL-EC)/EL (%)	15	97.456	2.421	2.484
VE_ES	VE/ES (%)	15	94.915	8.349	8.797
NH_ES	NH/ES (%)	15	82.144	10.024	12.203
HS_ES	HS/ES (%)	15	75.509	11.129	14.738
LE_VE	LE/VE (%)	15	97.201	6.489	6.676
NH_LE	NH/LE (%)	15	89.259	7.549	8.457
HS_NH	HS/NH (%)	15	91.777	6.292	6.856

LEVEL=TRT1

Variable	Label	N	Mean	Std Dev	CV
EL		14	57.571	11.953	20.762
EC		14	2.500	6.273	250.906
ES		14	38.286	10.163	26.546
VE		14	34.714	13.470	38.804
LE		14	33.857	13.387	39.539
NH		14	27.500	12.587	45.770
HS		14	23.429	10.271	43.840
THICK		14	0.222	0.016	7.183
HATWT		14	5.635	0.457	8.117
SURVWT		14	23.407	2.034	8.689
FOOD		14	20.421	2.288	11.203
PREM		16	200.813	9.955	4.957
POSTM		14	224.071	11.097	4.953
PREF		16	188.375	8.555	4.541
POSTF		14	229.143	10.989	4.795
ES_EL	ES/EL (%)	14	65.948	8.801	13.345
NH_EL	NH/EL (%)	14	46.890	17.655	37.652
ENC_EL	(EL-EC)/EL (%)	14	96.001	9.789	10.196
VE_ES	VE/ES (%)	14	88.334	20.438	23.137
NH_ES	NH/ES (%)	14	68.820	22.435	32.600
HS_ES	HS/ES (%)	14	59.187	18.620	31.459
LE_VE	LE/VE (%)	14	96.803	5.053	5.220
NH_LE	NH/LE (%)	14	77.232	16.418	21.259
HS_NH	HS/NH (%)	14	87.470	9.144	10.454

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
14:34 Monday, March 10, 1997

LEVEL=TRT2

Variable	Label	N	Mean	Std Dev	CV
EL		16	62.250	12.482	20.051
EC		16	2.813	6.473	230.140
ES		16	41.813	11.726	28.044
VE		16	38.563	12.723	32.992
LE		16	37.688	12.826	34.031
NH		16	29.563	12.193	41.244
HS		16	25.875	11.372	43.949
THICK		16	0.219	0.014	6.514
HATWT		16	5.781	0.316	5.460
SURVWT		16	24.219	2.142	8.845
FOOD		16	22.056	2.779	12.602
PREM		16	198.563	9.872	4.972
POSTM		16	217.875	16.633	7.634
PREF		16	193.125	10.092	5.226
POSTF		16	241.938	19.334	7.991
ES_EL	ES/EL (%)	16	66.041	11.599	17.564
NH_EL	NH/EL (%)	16	46.217	16.127	34.894
ENC_EL	(EL-EC)/EL (%)	16	95.909	8.876	9.254
VE_ES	VE/ES (%)	16	89.625	12.205	13.618
NH_ES	NH/ES (%)	16	68.540	17.914	26.136
HS_ES	HS/ES (%)	16	60.310	18.047	29.925
LE_VE	LE/VE (%)	16	97.452	4.579	4.699
NH_LE	NH/LE (%)	16	77.959	14.019	17.982
HS_NH	HS/NH (%)	16	87.092	8.508	9.769

LEVEL=TRT3

Variable	Label	N	Mean	Std Dev	CV
EL		14	56.143	14.158	25.217
EC		14	2.143	4.074	190.097
ES		14	36.071	11.412	31.636
VE		14	31.857	11.508	36.125
LE		14	31.143	11.360	36.478
NH		14	25.429	9.280	36.493
HS		14	20.714	8.507	41.070
THICK		14	0.219	0.014	6.239
HATWT		14	5.439	0.309	5.684
SURVWT		14	21.486	1.788	8.319
FOOD		14	20.221	2.599	12.851
PREM		16	193.250	10.817	5.597
POSTM		13	215.923	12.613	5.841
PREF		16	196.688	9.762	4.963
POSTF		13	234.462	34.801	14.843
ES_EL	ES/EL (%)	14	62.877	8.375	13.320
NH_EL	NH/EL (%)	14	45.310	12.889	28.446
ENC_EL	(EL-EC)/EL (%)	14	96.672	5.777	5.976
VE_ES	VE/ES (%)	14	88.863	15.666	17.629
NH_ES	NH/ES (%)	14	71.731	18.815	26.230
HS_ES	HS/ES (%)	14	58.125	16.911	29.094
LE_VE	LE/VE (%)	14	97.729	3.083	3.155
NH_LE	NH/LE (%)	14	81.621	11.677	14.307
HS_NH	HS/NH (%)	14	80.602	10.896	13.518

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
1. ANALYSIS OF EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values

LEVEL 4 CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
1. ANALYSIS OF EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
1. ANALYSIS OF EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: EL

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	395.09330	131.69777	0.59	0.6227
Error	55	12231.07619	222.38320		
Corrected Total	58	12626.16949			

R-Square	C.V.	Root MSE	EL Mean
0.031292	25.65875	14.913	58.119

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	395.09330	131.69777	0.59	0.6227

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
1. ANALYSIS OF EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	EL LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	56.0666667	1	.	0.7870	0.2536	0.9891
TRT1	57.5714286	2	0.7870	.	0.3950	0.8009
TRT2	62.2500000	3	0.2536	0.3950	.	0.2680
TRT3	56.1428571	4	0.9891	0.8009	0.2680	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
1. ANALYSIS OF EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: EL

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 222.3832
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - TRT1	-9.780	4.679	19.137
TRT2 - TRT3	-8.352	6.107	20.566
TRT2 - CONTROL	-8.016	6.183	20.383
TRT1 - TRT2	-19.137	-4.679	9.780
TRT1 - TRT3	-13.504	1.429	16.361
TRT1 - CONTROL	-13.177	1.505	16.187
TRT3 - TRT2	-20.566	-6.107	8.352
TRT3 - TRT1	-16.361	-1.429	13.504
TRT3 - CONTROL	-14.606	0.076	14.758
CONTROL - TRT2	-20.383	-6.183	8.016
CONTROL - TRT1	-16.187	-1.505	13.177
CONTROL - TRT3	-14.758	-0.076	14.606

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
1. ANALYSIS OF EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: EL

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 222.3832
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-5.122	6.183	17.488
TRT1 - CONTROL	-10.184	1.505	13.194
TRT3 - CONTROL	-11.613	0.076	11.765

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
2. ANALYSIS OF EGGS CRACKED
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
2. ANALYSIS OF EGGS CRACKED
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
2. ANALYSIS OF EGGS CRACKED
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: EC

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	16.883808	5.627936	0.22	0.8795
Error	55	1383.251786	25.150032		
Corrected Total	58	1400.135593			

R-Square	C.V.	Root MSE	EC Mean
0.012059	225.8655	5.0150	2.2203

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	16.883808	5.627936	0.22	0.8795

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
2. ANALYSIS OF EGGS CRACKED
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	EC LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	1.40000000	1	.	0.5574	0.4366	0.6917
TRT1	2.50000000	2	0.5574	.	0.8654	0.8512
TRT2	2.81250000	3	0.4366	0.8654	.	0.7166
TRT3	2.14285714	4	0.6917	0.8512	0.7166	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
2. ANALYSIS OF EGGS CRACKED
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: EC

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 25.15003
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - TRT1	-4.550	0.313	5.175
TRT2 - TRT3	-4.193	0.670	5.532
TRT2 - CONTROL	-3.363	1.413	6.188
TRT1 - TRT2	-5.175	-0.313	4.550
TRT1 - TRT3	-4.665	0.357	5.379
TRT1 - CONTROL	-3.837	1.100	6.037
TRT3 - TRT2	-5.532	-0.670	4.193
TRT3 - TRT1	-5.379	-0.357	4.665
TRT3 - CONTROL	-4.195	0.743	5.680
CONTROL - TRT2	-6.188	-1.413	3.363
CONTROL - TRT1	-6.037	-1.100	3.837
CONTROL - TRT3	-5.680	-0.743	4.195

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
2. ANALYSIS OF EGGS CRACKED
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: EC

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 25.15003
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2	- CONTROL	-2.389	1.413	5.214
TRT1	- CONTROL	-2.831	1.100	5.031
TRT3	- CONTROL	-3.188	0.743	4.674

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
3. ANALYSIS OF EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
3. ANALYSIS OF EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
3. ANALYSIS OF EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: ES

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	267.25023	89.08341	0.61	0.6096
Error	55	7995.15655	145.36648		
Corrected Total	58	8262.40678			

R-Square	C.V.	Root MSE	ES Mean
0.032345	31.25445	12.057	38.576

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	267.25023	89.08341	0.61	0.6096

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
3. ANALYSIS OF EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	ES LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	37.7333333	1	.	0.9023	0.3506	0.7121
TRT1	38.2857143	2	0.9023	.	0.4276	0.6290
TRT2	41.8125000	3	0.3506	0.4276	.	0.1986
TRT3	36.0714286	4	0.7121	0.6290	0.1986	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
3. ANALYSIS OF EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: ES

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 145.3665
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2	- TRT1	-8.163	3.527	15.217
TRT2	- CONTROL	-7.401	4.079	15.559
TRT2	- TRT3	-5.949	5.741	17.431
TRT1	- TRT2	-15.217	-3.527	8.163
TRT1	- CONTROL	-11.318	0.552	12.423
TRT1	- TRT3	-9.859	2.214	14.288
CONTROL	- TRT2	-15.559	-4.079	7.401
CONTROL	- TRT1	-12.423	-0.552	11.318
CONTROL	- TRT3	-10.208	1.662	13.532
TRT3	- TRT2	-17.431	-5.741	5.949
TRT3	- TRT1	-14.288	-2.214	9.859
TRT3	- CONTROL	-13.532	-1.662	10.208

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
3. ANALYSIS OF EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: ES

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 145.3665
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-5.061	4.079	13.219
TRT1 - CONTROL	-8.898	0.552	10.003
TRT3 - CONTROL	-11.113	-1.662	7.789

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
4. ANALYSIS OF VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
4. ANALYSIS OF VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
4. ANALYSIS OF VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: VE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F

Model	3	343.77808	114.59269	0.67	0.5732
Error	55	9387.44226	170.68077		
Corrected Total	58	9731.22034			

R-Square	C.V.	Root MSE	VE Mean
0.035327	36.96905	13.064	35.339

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	343.77808	114.59269	0.67	0.5732

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
4. ANALYSIS OF VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	VE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	35.7333333	1	.	0.8345	0.5493	0.4281
TRT1	34.7142857	2	0.8345	.	0.4244	0.5652
TRT2	38.5625000	3	0.5493	0.4244	.	0.1664
TRT3	31.8571429	4	0.4281	0.5652	0.1664	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
4. ANALYSIS OF VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: VE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 170.6808
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-9.611	2.829	15.269
TRT2 - TRT1	-8.819	3.848	16.515
TRT2 - TRT3	-5.962	6.705	19.372
CONTROL - TRT2	-15.269	-2.829	9.611
CONTROL - TRT1	-11.843	1.019	13.881
CONTROL - TRT3	-8.986	3.876	16.739
TRT1 - TRT2	-16.515	-3.848	8.819
TRT1 - CONTROL	-13.881	-1.019	11.843

TRT1	- TRT3	-10.225	2.857	15.939
TRT3	- TRT2	-19.372	-6.705	5.962
TRT3	- CONTROL	-16.739	-3.876	8.986
TRT3	- TRT1	-15.939	-2.857	10.225

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
4. ANALYSIS OF VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: VE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 170.6808
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2	- CONTROL	-7.075	2.829	12.733
TRT1	- CONTROL	-11.260	-1.019	9.221
TRT3	- CONTROL	-14.117	-3.876	6.364

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: LE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	334.23449	111.41150	0.65	0.5859
Error	55	9417.79940	171.23272		
Corrected Total	58	9752.03390			

R-Square	C.V.	Root MSE	LE Mean
0.034273	37.80852	13.086	34.610

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	334.23449	111.41150	0.65	0.5859

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	LE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	35.2666667	1	.	0.7730	0.6088	0.4001
TRT1	33.8571429	2	0.7730	.	0.4272	0.5854
TRT2	37.6875000	3	0.6088	0.4272	.	0.1773
TRT3	31.1428571	4	0.4001	0.5854	0.1773	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: LE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 171.2327
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit

TRT2	- CONTROL	-10.039	2.421	14.881
TRT2	- TRT1	-8.857	3.830	16.518
TRT2	- TRT3	-6.143	6.545	19.232
CONTROL	- TRT2	-14.881	-2.421	10.039
CONTROL	- TRT1	-11.474	1.410	14.293
CONTROL	- TRT3	-8.759	4.124	17.007
TRT1	- TRT2	-16.518	-3.830	8.857
TRT1	- CONTROL	-14.293	-1.410	11.474
TRT1	- TRT3	-10.389	2.714	15.818
TRT3	- TRT2	-19.232	-6.545	6.143
TRT3	- CONTROL	-17.007	-4.124	8.759
TRT3	- TRT1	-15.818	-2.714	10.389

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
5. ANALYSIS OF LIVE 3-WEEK EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: LE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 171.2327
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2	- CONTROL	-7.499	2.421	12.341
TRT1	- CONTROL	-11.667	-1.410	8.848
TRT3	- CONTROL	-14.381	-4.124	6.133

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
6. ANALYSIS OF NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
6. ANALYSIS OF NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
6. ANALYSIS OF NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: NH

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	273.47969	91.15990	0.65	0.5886
Error	55	7757.26607	141.04120		
Corrected Total	58	8030.74576			

R-Square	C.V.	Root MSE	NH Mean
0.034054	41.65806	11.876	28.508

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	273.47969	91.15990	0.65	0.5886

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
6. ANALYSIS OF NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	NH LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	31.2000000	1	.	0.4054	0.7027	0.1964
TRT1	27.5000000	2	0.4054	.	0.6370	0.6463
TRT2	29.5625000	3	0.7027	0.6370	.	0.3457
TRT3	25.4285714	4	0.1964	0.6463	0.3457	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
6. ANALYSIS OF NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: NH

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 141.0412
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT2	-9.671	1.637	12.946
CONTROL - TRT1	-7.992	3.700	15.392
CONTROL - TRT3	-5.921	5.771	17.464
TRT2 - CONTROL	-12.946	-1.637	9.671
TRT2 - TRT1	-9.452	2.063	13.577
TRT2 - TRT3	-7.381	4.134	15.649
TRT1 - CONTROL	-15.392	-3.700	7.992
TRT1 - TRT2	-13.577	-2.063	9.452
TRT1 - TRT3	-9.821	2.071	13.964
TRT3 - CONTROL	-17.464	-5.771	5.921
TRT3 - TRT2	-15.649	-4.134	7.381
TRT3 - TRT1	-13.964	-2.071	9.821

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
6. ANALYSIS OF NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: NH

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 141.0412
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-10.641	-1.637	7.366
TRT1 - CONTROL	-13.009	-3.700	5.609
TRT3 - CONTROL	-15.080	-5.771	3.538

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: HS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	472.46598	157.48866	1.38	0.2581
Error	55	6269.63571	113.99338		
Corrected Total	58	6742.10169			

R-Square	C.V.	Root MSE	HS Mean
0.070077	43.20503	10.677	24.712

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	472.46598	157.48866	1.38	0.2581

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	HS LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	28.4000000	1	.	0.2155	0.5133	0.0579
TRT1	23.4285714	2	0.2155	.	0.5338	0.5040
TRT2	25.8750000	3	0.5133	0.5338	.	0.1920
TRT3	20.7142857	4	0.0579	0.5040	0.1920	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: HS

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 113.9934
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT2	-7.641	2.525	12.691
CONTROL - TRT1	-5.540	4.971	15.483
CONTROL - TRT3	-2.826	7.686	18.197
TRT2 - CONTROL	-12.691	-2.525	7.641
TRT2 - TRT1	-7.905	2.446	12.798
TRT2 - TRT3	-5.191	5.161	15.513
TRT1 - CONTROL	-15.483	-4.971	5.540
TRT1 - TRT2	-12.798	-2.446	7.905
TRT1 - TRT3	-7.977	2.714	13.406
TRT3 - CONTROL	-18.197	-7.686	2.826
TRT3 - TRT2	-15.513	-5.161	5.191
TRT3 - TRT1	-13.406	-2.714	7.977

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
7. ANALYSIS OF 14-DAY-OLD SURVIVORS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: HS

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 113.9934
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-10.619	-2.525	5.569
TRT1 - CONTROL	-13.340	-4.971	3.397
TRT3 - CONTROL	-16.055	-7.686	0.683

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
8. ANALYSIS OF EGGS SET/EGGS LAID

****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
8. ANALYSIS OF EGGS SET/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
8. ANALYSIS OF EGGS SET/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	47.363422	15.787807	0.51	0.6749
Error	55	1691.886433	30.761572		
Corrected Total	58	1739.249855			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.027232	10.25107	5.5463	54.105

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	47.363422	15.787807	0.51	0.6749

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
8. ANALYSIS OF EGGS SET/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	54.8790987	1	.	0.8229	0.8438	0.2594
TRT1	54.4155096	2	0.8229	.	0.9730	0.3724
TRT2	54.4844805	3	0.8438	0.9730	.	0.3398
TRT3	52.5301739	4	0.2594	0.3724	0.3398	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
8. ANALYSIS OF EGGS SET/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 30.76157
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT2	-4.886	0.395	5.676
CONTROL - TRT1	-4.997	0.464	5.924
CONTROL - TRT3	-3.112	2.349	7.809
TRT2 - CONTROL	-5.676	-0.395	4.886
TRT2 - TRT1	-5.309	0.069	5.447
TRT2 - TRT3	-3.423	1.954	7.332
TRT1 - CONTROL	-5.924	-0.464	4.997
TRT1 - TRT2	-5.447	-0.069	5.309
TRT1 - TRT3	-3.669	1.885	7.439
TRT3 - CONTROL	-7.809	-2.349	3.112
TRT3 - TRT2	-7.332	-1.954	3.423
TRT3 - TRT1	-7.439	-1.885	3.669

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
8. ANALYSIS OF EGGS SET/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 30.76157
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-4.599	-0.395	3.810
TRT1 - CONTROL	-4.811	-0.464	3.884
TRT3 - CONTROL	-6.696	-2.349	1.999

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	577.52186	192.50729	1.26	0.2972
Error	55	8405.54430	152.82808	.	
Corrected Total	58	8983.06616			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.064290	16.38559	12.362	75.447

Source	DF	Type I SS	Mean Square	F Value	Pr > F

LEVEL	3	577.52186	192.50729	1.26	0.2972

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	80.7753810	1	.	0.1558	0.1073	0.1067
TRT1	74.1643128	2	0.1558	.	0.8842	0.8442
TRT2	73.5020632	3	0.1073	0.8842	.	0.9543
TRT3	73.2416698	4	0.1067	0.8442	0.9543	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 152.8281
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT1	-5.560	6.611	18.782
CONTROL - TRT2	-4.498	7.273	19.044
CONTROL - TRT3	-4.637	7.534	19.705
TRT1 - CONTROL	-18.782	-6.611	5.560
TRT1 - TRT2	-11.324	0.662	12.648
TRT1 - TRT3	-11.457	0.923	13.302
TRT2 - CONTROL	-19.044	-7.273	4.498
TRT2 - TRT1	-12.648	-0.662	11.324
TRT2 - TRT3	-11.726	0.260	12.247
TRT3 - CONTROL	-19.705	-7.534	4.637
TRT3 - TRT1	-13.302	-0.923	11.457
TRT3 - TRT2	-12.247	-0.260	11.726

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
9. ANALYSIS OF VIABLE EMBRYOS/EGGS SETS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 152.8281
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT1 - CONTROL	-16.301	-6.611	3.079
TRT2 - CONTROL	-16.645	-7.273	2.098
TRT3 - CONTROL	-17.224	-7.534	2.156

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	13.473220	4.491073	0.07	0.9756

Error	55	3520.555098	64.010093
Corrected Total	58	3534.028318	

R-Square	C.V.	Root MSE	RESPONSE Mean
0.003812	9.493056	8.0006	84.279

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	13.473220	4.491073	0.07	0.9756

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	84.8402680	1	.	0.6537	0.8614	0.8806
TRT1	83.4989582	2	0.6537	.	0.7760	0.7690
TRT2	84.3360239	3	0.8614	0.7760	.	0.9849
TRT3	84.3915532	4	0.8806	0.7690	0.9849	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 64.01009
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT3	-7.428	0.449	8.326
CONTROL - TRT2	-7.114	0.504	8.122
CONTROL - TRT1	-6.536	1.341	9.218
TRT3 - CONTROL	-8.326	-0.449	7.428
TRT3 - TRT2	-7.702	0.056	7.813
TRT3 - TRT1	-7.119	0.893	8.904
TRT2 - CONTROL	-8.122	-0.504	7.114
TRT2 - TRT3	-7.813	-0.056	7.702
TRT2 - TRT1	-6.920	0.837	8.594
TRT1 - CONTROL	-9.218	-1.341	6.536

TRT1 - TRT3	-8.904	-0.893	7.119
TRT1 - TRT2	-8.594	-0.837	6.920

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
10. ANALYSIS OF LIVE 3-WEEK EMBRYOS/VIABLE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 64.01009
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT3 - CONTROL	-6.720	-0.449	5.823
TRT2 - CONTROL	-6.569	-0.504	5.561
TRT1 - CONTROL	-7.613	-1.341	4.930

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS

****

14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	969.41493	323.13831	3.27	0.0278
Error	55	5431.36442	98.75208		
Corrected Total	58	6400.77935			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.151453	15.03685	9.9374	66.087

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	969.41493	323.13831	3.27	0.0278

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS

****

14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	72.6403471	1	.	0.0088	0.0090	0.0825
TRT1	62.6039261	2	0.0088	.	0.9200	0.3547
TRT2	62.9708439	3	0.0090	0.9200	.	0.3918
TRT3	66.1100558	4	0.0825	0.3547	0.3918	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS

****

14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 98.75208
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
CONTROL - TRT3	-3.253	6.530	16.314	
CONTROL - TRT2	0.207	9.670	19.132	***

CONTROL - TRT1	0.253	10.036	19.820	***
TRT3 - CONTROL	-16.314	-6.530	3.253	
TRT3 - TRT2	-6.496	3.139	12.774	
TRT3 - TRT1	-6.445	3.506	13.457	
TRT2 - CONTROL	-19.132	-9.670	-0.207	***
TRT2 - TRT3	-12.774	-3.139	6.496	
TRT2 - TRT1	-9.268	0.367	10.002	
TRT1 - CONTROL	-19.820	-10.036	-0.253	***
TRT1 - TRT3	-13.457	-3.506	6.445	
TRT1 - TRT2	-10.002	-0.367	9.268	

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
11. ANALYSIS OF NORMAL HATCHLINGS/3-WEEK LIVE EMBRYOS

****

14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 98.75208
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
TRT3 - CONTROL	-14.320	-6.530	1.259	
TRT2 - CONTROL	-17.203	-9.670	-2.136	***
TRT1 - CONTROL	-17.826	-10.036	-2.247	***

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID

****

14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID

****

14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	317.85063	105.95021	1.31	0.2794
Error	55	4437.97545	80.69046		
Corrected Total	58	4755.82608			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.066834	20.52523	8.9828	43.765

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	317.85063	105.95021	1.31	0.2794

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	47.7230814	1	.	0.1302	0.1164	0.0951
TRT1	42.5951027	2	0.1302	.	0.9948	0.8740
TRT2	42.5735932	3	0.1164	0.9948	.	0.8750
TRT3	42.0540673	4	0.0951	0.8740	0.8750	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 80.69046

Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT1	-3.716	5.128	13.972
CONTROL - TRT2	-3.404	5.149	13.703
CONTROL - TRT3	-3.175	5.669	14.513
TRT1 - CONTROL	-13.972	-5.128	3.716
TRT1 - TRT2	-8.688	0.022	8.731
TRT1 - TRT3	-8.454	0.541	9.536
TRT2 - CONTROL	-13.703	-5.149	3.404
TRT2 - TRT1	-8.731	-0.022	8.688
TRT2 - TRT3	-8.190	0.520	9.229
TRT3 - CONTROL	-14.513	-5.669	3.175
TRT3 - TRT1	-9.536	-0.541	8.454
TRT3 - TRT2	-9.229	-0.520	8.190

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
12. ANALYSIS OF NORMAL HATCHLINGS/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 80.69046
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT1 - CONTROL	-12.169	-5.128	1.913
TRT2 - CONTROL	-11.959	-5.149	1.660
TRT3 - CONTROL	-12.710	-5.669	1.372

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	788.14170	262.71390	3.32	0.0263
Error	55	4350.22117	79.09493		
Corrected Total	58	5138.36287			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.153384	12.61078	8.8935	70.523

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	788.14170	262.71390	3.32	0.0263

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	75.0310961	1	.	0.3368	0.1329	0.0031
TRT1	71.8283715	2	0.3368	.	0.6095	0.0414
TRT2	70.1561930	3	0.1329	0.6095	.	0.1060
TRT3	64.8078006	4	0.0031	0.0414	0.1060	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE

13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 79.09493
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
CONTROL - TRT1	-5.553	3.203	11.959	
CONTROL - TRT2	-3.593	4.875	13.343	
CONTROL - TRT3	1.467	10.223	18.979	***
TRT1 - CONTROL	-11.959	-3.203	5.553	
TRT1 - TRT2	-6.951	1.672	10.295	
TRT1 - TRT3	-1.885	7.021	15.926	
TRT2 - CONTROL	-13.343	-4.875	3.593	
TRT2 - TRT1	-10.295	-1.672	6.951	
TRT2 - TRT3	-3.275	5.348	13.971	
TRT3 - CONTROL	-18.979	-10.223	-1.467	***
TRT3 - TRT1	-15.926	-7.021	1.885	
TRT3 - TRT2	-13.971	-5.348	3.275	

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
13. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/NORMAL HATCHLINGS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 79.09493
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
TRT1 - CONTROL	-10.174	-3.203	3.768	
TRT2 - CONTROL	-11.617	-4.875	1.867	
TRT3 - CONTROL	-17.194	-10.223	-3.252	***

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	17.392268	5.797423	0.08	0.9719
Error	55	4116.923020	74.853146		
Corrected Total	58	4134.315288			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.004207	10.46220	8.6518	82.695

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	17.392268	5.797423	0.08	0.9719

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4

CONTROL	82.9469315	1	.	0.9865	0.9757	0.7051
TRT1	83.0014538	2	0.9865	.	0.9898	0.6976
TRT2	83.0420692	3	0.9757	0.9898	.	0.6788
TRT3	81.7240604	4	0.7051	0.6976	0.6788	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 74.85315
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - TRT1	-8.348	0.041	8.429
TRT2 - CONTROL	-8.143	0.095	8.333
TRT2 - TRT3	-7.070	1.318	9.706
TRT1 - TRT2	-8.429	-0.041	8.348
TRT1 - CONTROL	-8.463	0.055	8.573
TRT1 - TRT3	-7.386	1.277	9.941
CONTROL - TRT2	-8.333	-0.095	8.143
CONTROL - TRT1	-8.573	-0.055	8.463
CONTROL - TRT3	-7.295	1.223	9.741
TRT3 - TRT2	-9.706	-1.318	7.070
TRT3 - TRT1	-9.941	-1.277	7.386
TRT3 - CONTROL	-9.741	-1.223	7.295

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
14. ANALYSIS OF EGGS NOT CRACKED/EGGS LAID
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 74.85315
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit

TRT2	- CONTROL	-6.464	0.095	6.654
TRT1	- CONTROL	-6.727	0.055	6.836
TRT3	- CONTROL	-8.005	-1.223	5.559

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	816.34427	272.11476	1.82	0.1540
Error	55	8217.45928	149.40835		
Corrected Total	58	9033.80355			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.090366	20.49712	12.223	59.634

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	816.34427	272.11476	1.82	0.1540

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	65.7018148	1	.	0.0483	0.0475	0.1763
TRT1	56.5289825	2	0.0483	.	0.9524	0.5256
TRT2	56.7971704	3	0.0475	0.9524	.	0.5511
TRT3	59.4802135	4	0.1763	0.5256	0.5511	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 149.4084
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
CONTROL - TRT3	-5.813	6.222	18.256
CONTROL - TRT2	-2.734	8.905	20.543
CONTROL - TRT1	-2.861	9.173	21.207
TRT3 - CONTROL	-18.256	-6.222	5.813
TRT3 - TRT2	-9.168	2.683	14.534
TRT3 - TRT1	-9.289	2.951	15.191
TRT2 - CONTROL	-20.543	-8.905	2.734
TRT2 - TRT3	-14.534	-2.683	9.168
TRT2 - TRT1	-11.583	0.268	12.119
TRT1 - CONTROL	-21.207	-9.173	2.861
TRT1 - TRT3	-15.191	-2.951	9.289
TRT1 - TRT2	-12.119	-0.268	11.583

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
15. ANALYSIS OF NORMAL HATCHLINGS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for

comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 149.4084
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT3 - CONTROL	-15.803	-6.222	3.360
TRT2 - CONTROL	-18.171	-8.905	0.362
TRT1 - CONTROL	-18.754	-9.173	0.408

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: RESPONSE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1221.3546	407.1182	3.81	0.0148
Error	55	5869.8032	106.7237		
Corrected Total	58	7091.1579			

R-Square	C.V.	Root MSE	RESPONSE Mean
0.172236	19.46863	10.331	53.063

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	1221.3546	407.1182	3.81	0.0148

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	RESPONSE LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	60.7891652	1	.	0.0073	0.0136	0.0057
TRT1	50.0927974	2	0.0073	.	0.7465	0.9298
TRT2	51.3212392	3	0.0136	0.7465	.	0.6788
TRT3	49.7474405	4	0.0057	0.9298	0.6788	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: RESPONSE

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 106.7237
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
CONTROL - TRT2	-0.369	9.468	19.305	
CONTROL - TRT1	0.525	10.696	20.867	***
CONTROL - TRT3	0.871	11.042	21.213	***
TRT2 - CONTROL	-19.305	-9.468	0.369	
TRT2 - TRT1	-8.788	1.228	11.245	
TRT2 - TRT3	-8.443	1.574	11.590	
TRT1 - CONTROL	-20.867	-10.696	-0.525	***
TRT1 - TRT2	-11.245	-1.228	8.788	
TRT1 - TRT3	-9.999	0.345	10.690	
TRT3 - CONTROL	-21.213	-11.042	-0.871	***
TRT3 - TRT2	-11.590	-1.574	8.443	
TRT3 - TRT1	-10.690	-0.345	9.999	

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
16. ANALYSIS OF 14-DAY HATCHLING SURVIVORS/EGGS SET
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: RESPONSE

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 106.7237
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
TRT2 - CONTROL	-17.299	-9.468	-1.636	***
TRT1 - CONTROL	-18.794	-10.696	-2.599	***
TRT3 - CONTROL	-19.139	-11.042	-2.944	***

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
17. ANALYSIS OF EGGSHELL THICKNESS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
17. ANALYSIS OF EGGSHELL THICKNESS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
17. ANALYSIS OF EGGSHELL THICKNESS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: THICK

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	0.0012686	0.0004229	2.14	0.1056
Error	55	0.0108683	0.0001976		
Corrected Total	58	0.0121369			

R-Square	C.V.	Root MSE	THICK Mean
0.104522	6.473949	0.0141	0.2171

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	0.0012686	0.0004229	2.14	0.1056

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
17. ANALYSIS OF EGGSHELL THICKNESS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	THICK LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	0.20953333	1	.	0.0205	0.0774	0.0844
TRT1	0.22200000	2	0.0205	.	0.5145	0.5389
TRT2	0.21862500	3	0.0774	0.5145	.	0.9862
TRT3	0.21871429	4	0.0844	0.5389	0.9862	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
17. ANALYSIS OF EGGSHELL THICKNESS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: THICK

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 0.000198
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT1 - TRT3	-0.010791	0.003286	0.017362
TRT1 - TRT2	-0.010254	0.003375	0.017004
TRT1 - CONTROL	-0.001373	0.012467	0.026307
TRT3 - TRT1	-0.017362	-0.003286	0.010791

```
TRT3     - TRT2       -0.013540    0.000089    0.013719
TRT3     - CONTROL    -0.004659    0.009181    0.023021

TRT2     - TRT1       -0.017004   -0.003375    0.010254
TRT2     - TRT3       -0.013719   -0.000089    0.013540
TRT2     - CONTROL    -0.004293    0.009092    0.022477

CONTROL - TRT1        -0.026307   -0.012467    0.001373
CONTROL - TRT3        -0.023021   -0.009181    0.004659
CONTROL - TRT2        -0.022477   -0.009092    0.004293
```

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
17. ANALYSIS OF EGGSHELL THICKNESS
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: THICK

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 0.000198
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT1 - CONTROL	0.001448	0.012467	0.023485
TRT3 - CONTROL	-0.001838	0.009181	0.020200
TRT2 - CONTROL	-0.001565	0.009092	0.019748

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
18. ANALYSIS OF HATCHLING WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
18. ANALYSIS OF HATCHLING WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect	Coefficients
INTERCEPT	0

LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
18. ANALYSIS OF HATCHLING WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: HATWT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	1.1072862	0.3690954	2.37	0.0806
Error	55	8.5722698	0.1558595		
Corrected Total	58	9.6795559			

R-Square	C.V.	Root MSE	HATWT Mean
0.114394	6.972590	0.3948	5.6620

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	1.1072862	0.3690954	2.37	0.0806

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
18. ANALYSIS OF HATCHLING WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	HATWT LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	5.76866667	1	.	0.3662	0.9297	0.0285
TRT1	5.63500000	2	0.3662	.	0.3158	0.1935
TRT2	5.78125000	3	0.9297	0.3158	.	0.0212
TRT3	5.43857143	4	0.0285	0.1935	0.0212	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
18. ANALYSIS OF HATCHLING WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: HATWT

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 0.155859
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2	- CONTROL	-0.3633	0.0126	0.3885
TRT2	- TRT1	-0.2365	0.1462	0.5290
TRT2	- TRT3	-0.0401	0.3427	0.7255
CONTROL	- TRT2	-0.3885	-0.0126	0.3633
CONTROL	- TRT1	-0.2550	0.1337	0.5224
CONTROL	- TRT3	-0.0586	0.3301	0.7188
TRT1	- TRT2	-0.5290	-0.1462	0.2365
TRT1	- CONTROL	-0.5224	-0.1337	0.2550
TRT1	- TRT3	-0.1989	0.1964	0.5918
TRT3	- TRT2	-0.7255	-0.3427	0.0401
TRT3	- CONTROL	-0.7188	-0.3301	0.0586
TRT3	- TRT1	-0.5918	-0.1964	0.1989

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
18. ANALYSIS OF HATCHLING WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: HATWT

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 0.155859
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
TRT2	- CONTROL	-0.2867	0.0126	0.3119	
TRT1	- CONTROL	-0.4431	-0.1337	0.1758	
TRT3	- CONTROL	-0.6395	-0.3301	-0.0206	***

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: SURVWT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	73.289761	24.429920	5.08	0.0035
Error	55	264.244137	4.804439		
Corrected Total	58	337.533898			

R-Square	C.V.	Root MSE	SURVWT Mean
0.217133	9.371180	2.1919	23.390

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	73.289761	24.429920	5.08	0.0035

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	SURVWT LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	24.2666667	1	.	0.2959	0.9517	0.0012
TRT1	23.4071429	2	0.2959	.	0.3161	0.0241
TRT2	24.2187500	3	0.9517	0.3161	.	0.0012
TRT3	21.4857143	4	0.0012	0.0241	0.0012	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: SURVWT

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 4.804439
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
CONTROL - TRT2	-2.0392	0.0479	2.1350	
CONTROL - TRT1	-1.2985	0.8595	3.0175	
CONTROL - TRT3	0.6229	2.7810	4.9390	***
TRT2 - CONTROL	-2.1350	-0.0479	2.0392	
TRT2 - TRT1	-1.3136	0.8116	2.9368	
TRT2 - TRT3	0.6078	2.7330	4.8582	***
TRT1 - CONTROL	-3.0175	-0.8595	1.2985	
TRT1 - TRT2	-2.9368	-0.8116	1.3136	
TRT1 - TRT3	-0.2735	1.9214	4.1163	
TRT3 - CONTROL	-4.9390	-2.7810	-0.6229	***
TRT3 - TRT2	-4.8582	-2.7330	-0.6078	***
TRT3 - TRT1	-4.1163	-1.9214	0.2735	

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
19. ANALYSIS OF 14-DAY SURVIVOR WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: SURVWT

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 4.804439
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit	
TRT2 - CONTROL	-1.7096	-0.0479	1.6137	
TRT1 - CONTROL	-2.5776	-0.8595	0.8586	
TRT3 - CONTROL	-4.4991	-2.7810	-1.0628	***

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
20. ANALYSIS OF FOOD CONSUMPTION
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 59 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
20. ANALYSIS OF FOOD CONSUMPTION
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Type I Estimable Functions for: LEVEL

Effect		Coefficients
INTERCEPT		0
LEVEL	CONTROL	L2
	TRT1	L3
	TRT2	L4
	TRT3	-L2-L3-L4

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
20. ANALYSIS OF FOOD CONSUMPTION
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: FOOD

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	30.928217	10.309406	1.46	0.2345
Error	55	387.375851	7.043197		
Corrected Total	58	418.304068			

R-Square	C.V.	Root MSE	FOOD Mean
0.073937	12.66318	2.6539	20.958

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	30.928217	10.309406	1.46	0.2345

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
20. ANALYSIS OF FOOD CONSUMPTION
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	FOOD LSMEAN	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4
CONTROL	20.9733333	1	.	0.5780	0.2611	0.4491
TRT1	20.4214286	2	0.5780	.	0.0980	0.8427

TRT2	22.0562500	3	0.2611	0.0980	.	0.0641
TRT3	20.2214286	4	0.4491	0.8427	0.0641	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
20. ANALYSIS OF FOOD CONSUMPTION
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: FOOD

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 7.043197
Critical Value of Studentized Range= 3.747

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-1.4441	1.0829	3.6099
TRT2 - TRT1	-0.9383	1.6348	4.2080
TRT2 - TRT3	-0.7383	1.8348	4.4080
CONTROL - TRT2	-3.6099	-1.0829	1.4441
CONTROL - TRT1	-2.0610	0.5519	3.1648
CONTROL - TRT3	-1.8610	0.7519	3.3648
TRT1 - TRT2	-4.2080	-1.6348	0.9383
TRT1 - CONTROL	-3.1648	-0.5519	2.0610
TRT1 - TRT3	-2.4575	0.2000	2.8575
TRT3 - TRT2	-4.4080	-1.8348	0.7383
TRT3 - CONTROL	-3.3648	-0.7519	1.8610
TRT3 - TRT1	-2.8575	-0.2000	2.4575

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
20. ANALYSIS OF FOOD CONSUMPTION
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dunnett's One-tailed T tests for variable: FOOD

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 55 MSE= 7.043197
Critical Value of Dunnett's T= 2.109

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2 - CONTROL	-0.9290	1.0829	3.0948
TRT1 - CONTROL	-2.6321	-0.5519	1.5283

TRT3 - CONTROL	-2.8321	-0.7519	1.3283

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
21. COVARIATE ANALYSIS OF MALE BODY WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 58 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
21. COVARIATE ANALYSIS OF MALE BODY WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Dependent Variable: POSTM

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	2951.1456	737.7864	4.78	0.0023
Error	53	8185.7510	154.4481		
Corrected Total	57	11136.8966			

R-Square	C.V.	Root MSE	POSTM Mean
0.264988	5.678333	12.428	218.86

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	531.6949	177.2316	1.15	0.3385
PREM	1	2419.4507	2419.4507	15.67	0.0002

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LEVEL	3	133.3333	44.4444	0.29	0.8340
PREM	1	2419.4507	2419.4507	15.67	0.0002

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
21. COVARIATE ANALYSIS OF MALE BODY WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure
Least Squares Means

LEVEL	POSTM LSMEAN	Std Err LSMEAN	Pr > |T| HO:LSMEAN=0	LSMEAN Number
CONTROL	218.965255	3.227310	0.0001	1
TRT1	221.370281	3.390836	0.0001	2

TRT2	217.316726	3.110129	0.0001	3
TRT3	217.943817	3.484436	0.0001	4

Pr > |T| HO: LSMEAN(i)=LSMEAN(j)

i/j	1	2	3	4
1	.	0.6133	0.7151	0.8292
2	0.6133	.	0.3801	0.4904
3	0.7151	0.3801	.	0.8940
4	0.8292	0.4904	0.8940	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
21. COVARIATE ANALYSIS OF MALE BODY WEIGHT
****
14:34 Monday, March 10, 1997

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: POSTM

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 154.4481
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT1	- TRT2	-5.867	6.196	18.260
TRT1	- CONTROL	-5.778	6.471	18.721
TRT1	- TRT3	-4.548	8.148	20.845
TRT2	- TRT1	-18.260	-6.196	5.867
TRT2	- CONTROL	-11.572	0.275	12.122
TRT2	- TRT3	-10.356	1.952	14.260
CONTROL	- TRT1	-18.721	-6.471	5.778
CONTROL	- TRT2	-12.122	-0.275	11.572
CONTROL	- TRT3	-10.814	1.677	14.168
TRT3	- TRT1	-20.845	-8.148	4.548
TRT3	- TRT2	-14.260	-1.952	10.356
TRT3	- CONTROL	-14.168	-1.677	10.814

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
21. COVARIATE ANALYSIS OF MALE BODY WEIGHT
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General Linear Models Procedure

Dunnett's One-tailed T tests for variable: POSTM

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 154.4481
Critical Value of Dunnett's T= 2.113

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT1	- CONTROL	-3.285	6.471	16.228
TRT2	- CONTROL	-9.161	0.275	9.711
TRT3	- CONTROL	-11.626	-1.677	8.272

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
22. COVARIATE ANALYSIS OF FEMALE BODY WEIGHT
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General Linear Models Procedure
Class Level Information

Class	Levels	Values
LEVEL	4	CONTROL TRT1 TRT2 TRT3

Number of observations in data set = 64

NOTE: Due to missing values, only 58 observations can be used in this analysis.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
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General Linear Models Procedure

Dependent Variable: POSTF

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	11038.865	2759.716	7.25	0.0001
Error	53	20163.014	380.434		
Corrected Total	57	31201.879			

R-Square	C.V.	Root MSE	POSTF Mean
0.353788	8.321250	19.505	234.40

Source	DF	Type I SS	Mean Square	F Value	Pr > F
LEVEL	3	1449.5968	483.1989	1.27	0.2941
PREF	1	9589.2685	9589.2685	25.21	0.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
LEVEL	3	1661.7122	553.9041	1.46	0.2371
PREF	1	9589.2685	9589.2685	25.21	0.0001

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General Linear Models Procedure
Least Squares Means

LEVEL	POSTF LSMEAN	Std Err LSMEAN	Pr > |T| HO:LSMEAN=0	LSMEAN Number
CONTROL	229.692470	5.045042	0.0001	1
TRT1	236.701349	5.425903	0.0001	2
TRT2	241.663956	4.876485	0.0001	3
TRT3	228.397751	5.542826	0.0001	4

Pr > |T| HO: LSMEAN(i)=LSMEAN(j)

i/j	1	2	3	4
1	.	0.3523	0.0937	0.8626
2	0.3523	.	0.5000	0.3033
3	0.0937	0.5000	.	0.0777
4	0.8626	0.3033	0.0777	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
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General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: POSTF

NOTE: This test controls the type I experimentwise error rate.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 380.4342
Critical Value of Studentized Range= 3.751

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2	- TRT3	-11.841	7.476	26.793
TRT2	- CONTROL	-7.856	10.738	29.331
TRT2	- TRT1	-6.138	12.795	31.727
TRT3	- TRT2	-26.793	-7.476	11.841
TRT3	- CONTROL	-16.342	3.262	22.865
TRT3	- TRT1	-14.607	5.319	25.245
CONTROL	- TRT2	-29.331	-10.738	7.856
CONTROL	- TRT3	-22.865	-3.262	16.342
CONTROL	- TRT1	-17.168	2.057	21.282
TRT1	- TRT2	-31.727	-12.795	6.138
TRT1	- TRT3	-25.245	-5.319	14.607
TRT1	- CONTROL	-21.282	-2.057	17.168

MANCOZEB (DITHANE): REPRO. STUDY WITH THE BOBWHITE
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General Linear Models Procedure

Dunnett's One-tailed T tests for variable: POSTF

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 53 MSE= 380.4342
Critical Value of Dunnett's T= 2.113

Comparisons significant at the 0.05 level are indicated by '***'.

LEVEL Comparison		Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
TRT2	- CONTROL	-4.072	10.738	25.547
TRT3	- CONTROL	-12.352	3.262	18.875
TRT1	- CONTROL	-17.369	-2.057	13.255