

PROBIT ANALYSIS

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THE INSECT :cacing  
THE INSECTICIDE :P pamoate 0.236%  
REPLICATION NUMBER :3  
THE HOURS AFTER EXPOSURE : 4  
DOSAGES (ppm) = 1 2 3 4 5

SLOPE OF LINE (B)= 8.050294 , INTERSEPT(A)= 2.365753  
HETEROGENETY INSIGNIFICANT,CHI SQUARE= 1.502449  
DEGREES OF FREEDOM= 3

VARIANCE= 1.699849E-03  
X= .1 LDX= 1.472338  
95% LIMITS= 1.222358 AND 1.773442  
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VARIANCE= 5.297564E-04  
X= .5 LDX= 2.124339  
95% LIMITS= 1.914747 AND 2.356872  
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VARIANCE= 8.070729E-04  
X= .9 LDX= 3.065066  
95% LIMITS= 2.696237 AND 3.484347  
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VARIANCE= 1.149151E-03  
X= .95 LDX= 3.40088  
95% LIMITS= 2.918429 AND 3.963088  
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PROBIT ANALYSIS

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THE INSECT :cacing  
THE INSECTICIDE :NaCl 0.9%  
REPLICATION NUMBER :3  
THE HOURS AFTER EXPOSURE : 12  
DOSAGES (ppm) = 1 2 3 4 5 6 7 8 9 10 11 12

SLOPE OF LINE (B)= 7.446968 , INTERSEPT(A)= -1.885345  
HETEROGENETY INSIGNIFICANT, CHI SQUARE= 11.74349  
DEGREES OF FREEDOM= 10

VARIANCE= 5.071065E-04  
X= .1 LDX= 5.655467  
95% LIMITS= 5.108945 AND 6.260453

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VARIANCE= 1.552507E-04  
X= .5 LDX= 8.405888  
95% LIMITS= 7.946249 AND 8.892116

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VARIANCE= 5.282335E-04  
X= .9 LDX= 12.49392  
95% LIMITS= 11.26293 AND 13.85945

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VARIANCE= 7.659305E-04  
X= .95 LDX= 13.98004  
95% LIMITS= 12.33856 AND 15.83989  
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PROBIT ANALYSIS

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THE INSECT :cacing  
THE INSECTICIDE :Perasan 5%  
REPLICATION NUMBER :3  
THE HOURS AFTER EXPOSURE : 11  
DOSAGES (ppm) = 1 2 3 4 5 6 7 8 9 10 11

SLOPE OF LINE (B)= 7.224865 , INTERSEPT(A)= -1.326157  
HETEROGENETY INSIGNIFICANT, CHI SQUARE= 6.252968  
DEGREES OF FREEDOM= 9

VARIANCE= 5.85785E-04  
X= .1 LDX= 4.991175  
95% LIMITS= 4.474711 AND 5.567249  
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VARIANCE= 1.759605E-04  
X= .5 LDX= 7.509467  
95% LIMITS= 7.073097 AND 7.972757  
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VARIANCE= 5.717239E-04  
X= .9 LDX= 11.29836  
95% LIMITS= 10.14262 AND 12.58579  
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VARIANCE= 8.305779E-04  
X= .95 LDX= 12.68602  
95% LIMITS= 11.13881 AND 14.44815  
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PROBIT ANALYSIS

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THE INSECT :cacing  
THE INSECTICIDE :Perasan 10%  
REPLICATION NUMBER :3  
THE HOURS AFTER EXPOSURE : 9  
DOSAGES (ppm) = 1 2 3 4 5 6 7 8 9

SLOPE OF LINE (B)= 4.555347 , INTERSEPT(A)= 1.774814  
HETEROGENETY INSIGNIFICANT,CHI SQUARE= 4.767563  
DEGREES OF FREEDOM= 7

VARIANCE= 1.719905E-03  
X= .1 LDX= 2.670733  
95% LIMITS= 2.214858 AND 3.22044

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VARIANCE= 4.287032E-04  
X= .5 LDX= 5.105051  
95% LIMITS= 4.649627 AND 5.605086

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VARIANCE= 1.416942E-03  
X= .9 LDX= 9.758199  
95% LIMITS= 8.23362 AND 11.56508

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VARIANCE= 2.112062E-03  
X= .95 LDX= 11.72634  
95% LIMITS= 9.529859 AND 14.42908  
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PROBIT ANALYSIS

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THE INSECT :cacing  
THE INSECTICIDE :Perasan 25%  
REPLICATION NUMBER :3  
THE HOURS AFTER EXPOSURE : 6  
DOSAGES (ppm) = 1 2 3 4 5 6

SLOPE OF LINE (B)= 4.319548 , INTERSEPT(A)= 2.886782  
HETEROGENETY INSIGNIFICANT,CHI SQUARE= 7.555016  
DEGREES OF FREEDOM= 4

VARIANCE= 2.876502E-03  
X= .1 LDX= 1.557733  
95% LIMITS= 1.222847 AND 1.984329  
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VARIANCE= 7.198417E-04  
X= .5 LDX= 3.084765  
95% LIMITS= 2.732975 AND 3.481839  
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VARIANCE= 1.919169E-03  
X= .9 LDX= 6.108735  
95% LIMITS= 5.012876 AND 7.444158  
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VARIANCE= 2.870088E-03  
X= .95 LDX= 7.414808  
95% LIMITS= 5.822325 AND 9.442856  
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PROBIT ANALYSIS

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THE INSECT :cacing  
THE INSECTICIDE :Perasan 50%  
REPLICATION NUMBER :3  
THE HOURS AFTER EXPOSURE : 5  
DOSAGES (ppm) = 1 2 3 4 5

SLOPE OF LINE (B)= 4.479262 , INTERSEPT(A)= 3.440652  
HETEROGENETY INSIGNIFICANT,CHI SQUARE= 7.685795  
DEGREES OF FREEDOM= 3

VARIANCE= 3.278736E-03  
X= .1 LDX= 1.153392  
95% LIMITS= .8907318 AND 1.493506  
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VARIANCE= 9.05415E-04  
X= .5 LDX= 2.229082  
95% LIMITS= 1.946029 AND 2.553305  
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VARIANCE= 1.751262E-03  
X= .9 LDX= 4.307993  
95% LIMITS= 3.566586 AND 5.20352  
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VARIANCE= 2.577035E-03  
X= .95 LDX= 5.193057  
95% LIMITS= 4.129759 AND 6.530125  
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PROBIT ANALYSIS

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THE INSECT :cacing  
THE INSECTICIDE :Perasan (LD)  
REPLICATION NUMBER :3  
THE HOURS AFTER EXPOSURE : 4  
DOSAGES (ppm) = 5 10 25 50 75

SLOPE OF LINE (B)= 2.858807 , INTERSEPT(A)= 1.541965  
HETEROGENETY INSIGNIFICANT,CHI SQUARE= 2.013424  
DEGREES OF FREEDOM= 3

VARIANCE= 6.361124E-03  
X= .1 LDX= 5.771135  
95% LIMITS= 4.026597 AND 8.271498  
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VARIANCE= 2.274887E-03  
X= .5 LDX= 16.20346  
95% LIMITS= 13.06544 AND 20.09516  
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VARIANCE= 4.840046E-03  
X= .9 LDX= 45.49401  
95% LIMITS= 33.23504 AND 62.27478  
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VARIANCE= 6.778076E-03  
X= .95 LDX= 60.96766  
95% LIMITS= 42.04696 AND 88.40248  
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RESULTS OF ONE-WAY ANALYSIS OF VARIANCE (Equal Cell Size)

TREATMENT 1  
10 10 10  
TREATMENT 2  
1 0 0  
TREATMENT 3  
0 1 1  
TREATMENT 4  
4 2 4  
TREATMENT 5  
6 6 7  
TREATMENT 6  
10 9 8  
TREATMENT 7  
10 10 10  
TREATMENT 8  
10 10 10

Treatment 1	Mean= 10	Std.Dev.= 0
Treatment 2	Mean= .3333333	Std.Dev.= .5773503
Treatment 3	Mean= .6666667	Std.Dev.= .5773503
Treatment 4	Mean= 3.333333	Std.Dev.= 1.154701
Treatment 5	Mean= 6.333334	Std.Dev.= .5773492
Treatment 6	Mean= 9	Std.Dev.= 1
Treatment 7	Mean= 10	Std.Dev.= 0
Treatment 8	Mean= 10	Std.Dev.= 0

Treatment Sum of Squares : 373.2917  
Degrees of Freedom (trt) : 7  
Treatment Mean Squares : 53.32739

Error Sum of Squares : 6.666626  
Degrees of Freedom (Err) : 16  
Error Mean Squares : .4166641

The F-value is : 127.9



7 / 16 deg. freedom

: <0.0001

tions In Treatments Are Equal

at 1	10	1
at 7	10	1
at 8	10	1
at 6	9	1
at 5	6.333334	2
at 4	3.333333	3
at 3	.6666667	4
at 2	.3333333	4

which are not significantly different are followed by the same number.  
(confidence level = 0.05)

RESULTS OF LSD ANALYSIS FOR EQUAL TREATMENT SIZE

at the 5% level is.....: 1.117335  
at the 1% level is.....: 1.539497