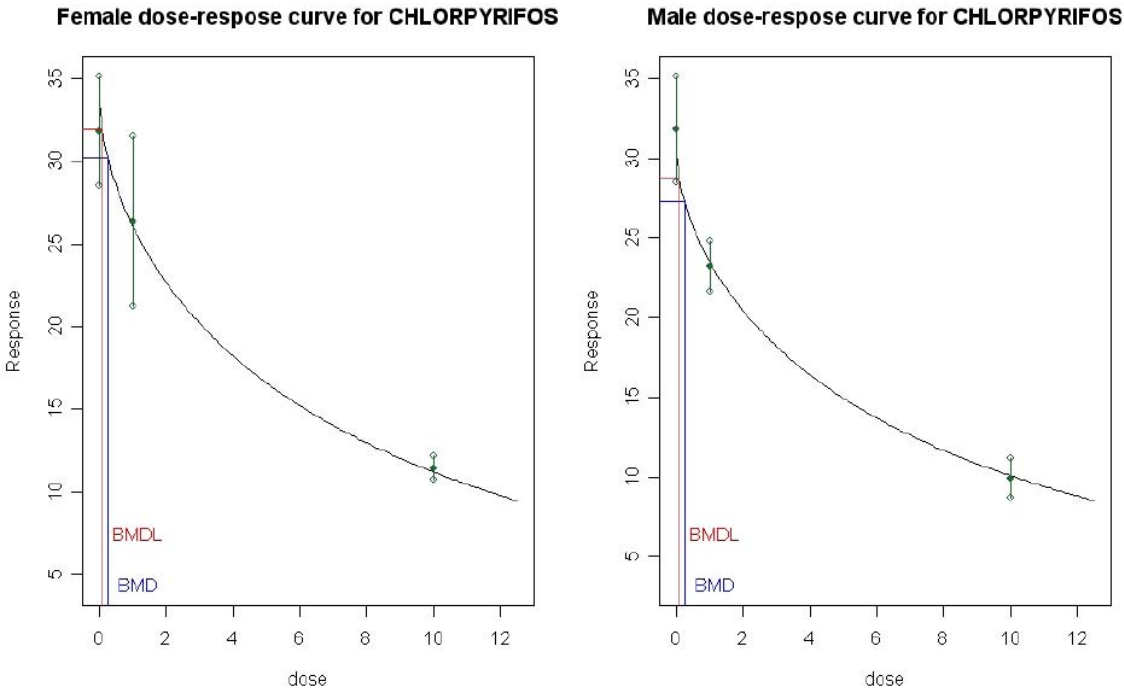


US EPA ARCHIVE DOCUMENT

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ChE_PND12_rbc_10%_timchalk_bmdjl
 Power Model
 PND12 RBC
 10% bmr
 Chlorpyrifos Timchalk data



FEMALE = 3 HR
MALE = 6 HR

Redundancy Analysis

	1	2	3	4	5
CondIndex	10.362	3.334	1.993	1.591	1.000
mu	0.163	0.508	0.849	1.064	1.692
lA.sexF	0.261	0.198	0.224	0.309	0.008
lA.sexM	0.117	0.166	0.540	0.155	0.023
ID.(Intercept)	0.975	0.017	0.001	0.001	0.005

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ID.sexM	0.003	0.917	0.013	0.035	0.032
lg	0.955	0.030	0.008	0.001	0.006

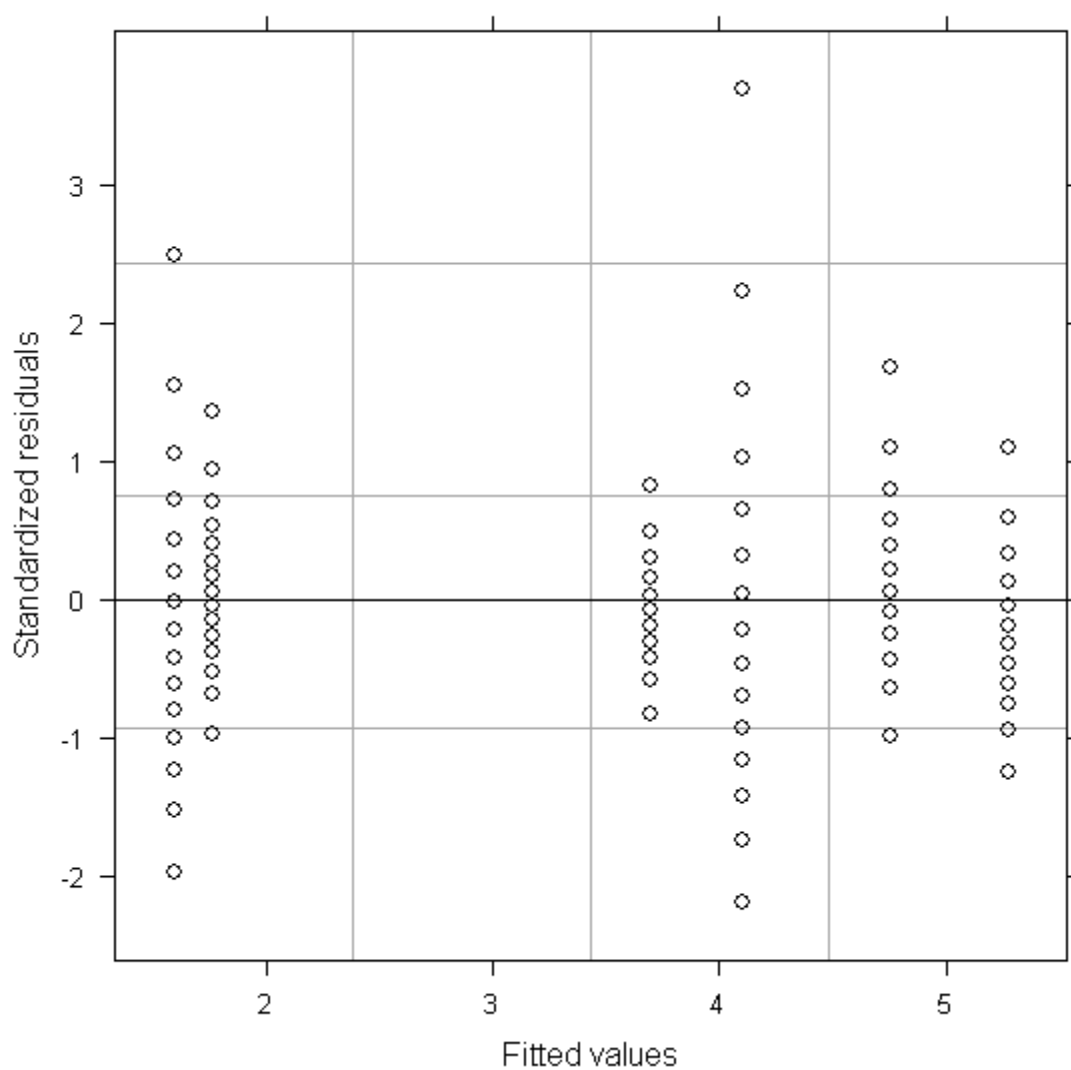
Parameter Values and Relative Standard Errors (sigma == 1)

	Parms	Relative SE
lA.sexF	1.620	0.053
lA.sexM	1.600	0.055
ID.(Intercept)	-1.194	0.632
ID.sexM	-0.244	0.326
lg	-0.435	0.176

Mean Absolute Value of Gradient

	Val
lA.sexF	1.8565532
lA.sexM	1.5482635
ID.(Intercept)	0.6445796
ID.sexM	0.3077698
lg	1.8650129

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***** USING WEIGHTED *****

BMD Grouped.

AIC: 179.0602

Female intercept estimate (standard error): 5.279105(0.3257047)

Male intercept estimate (standard error): 4.759546(0.2909409)

Grouped BMD10 estimate (standard error): **0.2544857**(0.3552448)

Power parameter estimate (standard error): 0.6386759(0.1285599)

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The confidence intervals for the variables are given by

	lower	est.	upper
Female Intercept	4.69924657	5.2791049	5.9305142
Male Intercept	4.24105263	4.7595457	5.3414274
BMD10	0.06711361	0.2544857	0.9649753
Power Parameter	0.45535705	0.6386759	0.8957958

attr("label")
[1] "Coefficients:"

The one-sided confidence intervals (the lower bound) is given by

Female Intercept	Male Intercept	BMDL10	Power Parameter
4.78974753	4.32201112	0.08350444	0.48132675