The GLIMMIX Procedure

Model Information	
Data Set	WORK.BEERICHNESS_YEARS12
Response Variable	TotalGenusRichness
Response Distribution	Poisson
Link Function	Log
Variance Function	Default
Variance Matrix	Not blocked
Estimation Technique	Residual PL
Degrees of Freedom Method	Satterthwaite

Class Level Information		
Class	**Levels**	**Values**
Site	11	Bowman Cretsinger Elkader Greving Kaldenberg McClellan NealSmith Peckumn Plunkett Sheller Sloan
Year	2	1 2

Number of Observations Read	20
Number of Observations Used	20

Dimensions	
G-side Cov. Parameters	1
Columns in X	6
Columns in Z	11
Subjects (Blocks in V)	1
Max Obs per Subject	20

Optimization Information	
Optimization Technique	Dual Quasi-Newton
Parameters in Optimization	1
Lower Boundaries	1
Upper Boundaries	0
Fixed Effects	Profiled
Starting From	Data

The GLIMMIX Procedure

Iteration History					
Iteration	Restarts	Subiterations	Objective Function	Change	Max Gradient
0	0	6	13.399139875	2.00000000	78.23145
1	0	0	13.922535771	0.00297021	75.61097
2	0	0	13.930940523	0.00000081	75.54767
3	0	0	13.930942167	0.00000000	75.54766

Convergence criterion (PCONV=1.11022E-8) satisfied.

Estimated G matrix is not positive definite.

Fit Statistics	
-2 Res Log Pseudo-Likelihood	13.93
Generalized Chi-Square	9.68
Gener. Chi-Square / DF	0.61

Covariance Parameter Estimates		
Cov Parm	Estimate	Standard Error
Site	1.9E-19	.

Solutions for Fixed Effects						
Effect	Year	Estimate	Standard Error	DF	t Value	Pr > |t|
Intercept		2.4901	0.1413	1	17.63	0.0361
PercentCover		0.006910	0.009980	1	0.69	0.6145
Year	1	-0.1285	0.2030	1	-0.63	0.6408
Year	2	0	.	.	.	.
PercentCover*Year	1	0.04838	0.02271	1	2.13	0.2794
PercentCover*Year	2	0	.	.	.	.

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
PercentCover	1	1	7.50	0.2229
Year	1	1	0.40	0.6408
PercentCover*Year	1	1	4.54	0.2794

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