The GLIMMIX Procedure

Model Information	
Data Set	WORK.BEERICHNESS_YEARS123
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	3	1 2 3

Number of Observations Read	28
Number of Observations Used	28

Dimensions	
G-side Cov. Parameters	1
Columns in X	8
Columns in Z	11
Subjects (Blocks in V)	1
Max Obs per Subject	28

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	1	18.943712727	2.00000000	101.8069
1	0	0	19.510324357	0.00357516	98.31091
2	0	0	19.518897177	0.00000096	98.2435
3	0	0	19.518898643	0.00000000	98.24349

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

Estimated G matrix is not positive definite.

Fit Statistics	
-2 Res Log Pseudo-Likelihood	19.52
Generalized Chi-Square	11.60
Gener. Chi-Square / DF	0.53

Covariance Parameter Estimates		
Cov Parm	Estimate	Standard Error
Site	0	.

Solutions for Fixed Effects						
Effect	Year	Estimate	Standard Error	DF	t Value	Pr > |t|
Intercept		2.5876	0.1350	1	19.17	0.0332
PercentCover		0.01382	0.007378	1	1.87	0.3121
Year	1	-0.2260	0.1987	1	-1.14	0.4592
Year	2	-0.09750	0.1954	1	-0.50	0.7054
Year	3	0	.	.	.	.
PercentCover*Year	1	0.04147	0.02169	1	1.91	0.3068
PercentCover*Year	2	-0.00691	0.01241	1	-0.56	0.6765
PercentCover*Year	3	0	.	.	.	.

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
PercentCover	1	1	10.14	0.1937
Year	2	1	0.65	0.6602
PercentCover*Year	2	1	2.29	0.4233

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