The GLIMMIX Procedure

Model Information	
Data Set	WORK.BEERICHNESS_YEARS12
Response Variable	TotalSpeciesRichness
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	4	23.024121265	0.09314535	4.524E-6
1	0	2	23.330094163	0.00045624	5.027E-7
2	0	2	23.334482946	0.00003519	4.251E-9
3	0	0	23.334467479	0.00000000	7.581E-6

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

Fit Statistics	
-2 Res Log Pseudo-Likelihood	23.33
Generalized Chi-Square	18.20
Gener. Chi-Square / DF	1.14

Covariance Parameter Estimates		
Cov Parm	Estimate	Standard Error
Site	0.06234	0.04390

Solutions for Fixed Effects						
Effect	Year	Estimate	Standard Error	DF	t Value	Pr > |t|
Intercept		3.2504	0.1506	16	21.58	<.0001
PercentCover		0.01031	0.01049	16	0.98	0.3405
Year	1	-0.1369	0.1570	16	-0.87	0.3959
Year	2	0	.	.	.	.
PercentCover*Year	1	0.04423	0.01837	16	2.41	0.0285
PercentCover*Year	2	0	.	.	.	.

Type III Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
PercentCover	1	16	6.89	0.0184
Year	1	16	0.76	0.3959
PercentCover*Year	1	16	5.79	0.0285

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