Model Information					
Data Set	WORK.PLANTCOVERAGE_YEARS123				
Dependent Variable	log_Total_Bees				
Covariance Structure	Variance Components				
Estimation Method	REML				
Residual Variance Method	Profile				
Fixed Effects SE Method	Model-Based				
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	123				
Sampling_Day	5	12345				

Dimensions				
Covariance Parameters	3			
Columns in X	46			
Columns in Z	65			
Subjects	1			
Max Obs per Subject	131			

Number of Observations				
Number of Observations Read	131			
Number of Observations Used	131			
Number of Observations Not Used	0			

Iteration History							
Iteration Evaluations -2 Res Log Like Crit							
0	1	399.40714868					
1	2	392.05938206	0.00063679				
2	1	391.98656257	0.00003286				
3	1	391.98311281	0.0000010				
4	1	391.98310222	0.00000000				

Convergence criteria met.

Covariance Parameter Estimates						
Cov Parm Estimate						
Site	0.1652					
Site*Sampling_Day	0.1056					
Residual	0.6618					

Fit Statistics				
2 Dog Log Likelihood	392.0			
-2 Res Log Likelihood	392.0			
AIC (Smaller is Better)	398.0			
AICC (Smaller is Better)	398.2			
BIC (Smaller is Better)	399.2			

Solution for Fixed Effects								
Effect	Year	Sampling_Day	Estimate	Standard Error	DF	t Value	Pr > t	
Intercept			2.9685	0.4694	99.2	6.32	<.0001	
Average_Coverage			0.03113	0.01372	98.2	2.27	0.0254	
Sampling_Day		1	0.2216	0.5710	91.5	0.39	0.6989	
Sampling_Day		2	-0.1626	0.5856	90.7	-0.28	0.7819	
Sampling_Day		3	0.9792	0.6029	89.2	1.62	0.1079	
Sampling_Day		4	1.1339	0.6287	88.6	1.80	0.0747	
Sampling_Day		5	0					
Average_C*Sampling_D		1	0.005343	0.09109	96.8	0.06	0.9534	
Average_C*Sampling_D		2	0.07063	0.06182	99.5	1.14	0.2560	
Average_C*Sampling_D		3	-0.03501	0.02764	91.9	-1.27	0.2084	
Average_C*Sampling_D		4	-0.01306	0.02164	91.4	-0.60	0.5479	
Average_C*Sampling_D		5	0					
Year	1		0.8258	0.5734	69.9	1.44	0.1543	
Year	2		0.1786	0.5618	62.2	0.32	0.7516	
Year	3		0					
Average_Coverag*Year	1		-0.01229	0.04135	94.8	-0.30	0.7670	
Average_Coverag*Year	2		-0.01131	0.02121	70.6	-0.53	0.5954	
Average_Coverag*Year	3		0					
Year*Sampling_Day	1	2	0.7721	0.7447	68.7	1.04	0.3035	
Year*Sampling_Day	1	3	-0.6533	0.7616	68.9	-0.86	0.3940	
Year*Sampling_Day	1	4	-1.8280	0.8824	67.5	-2.07	0.0421	
Year*Sampling_Day	1	5	0					

Solution for Fixed Effects							
Effect	Year	Sampling_Day	Estimate	Standard Error	DF	t Value	Pr > t
Year*Sampling_Day	2	1	-0.7479	0.7178	63.3	-1.04	0.3014
Year*Sampling_Day	2	2	0.7047	0.7293	63.6	0.97	0.3376
Year*Sampling_Day	2	3	-0.6462	0.7712	66.2	-0.84	0.4051
Year*Sampling_Day	2	4	-0.5439	0.8209	62.7	-0.66	0.5101
Year*Sampling_Day	2	5	0				
Year*Sampling_Day	3	1	0				
Year*Sampling_Day	3	2	0				
Year*Sampling_Day	3	3	0				
Year*Sampling_Day	3	4	0				
Year*Sampling_Day	3	5	0				
Average*Year*Samplin	1	2	-0.08128	0.09290	99.5	-0.87	0.3837
Average*Year*Samplin	1	3	0.03099	0.09252	89.4	0.33	0.7384
Average*Year*Samplin	1	4	0.1092	0.1070	93.9	1.02	0.3102
Average*Year*Samplin	1	5	0				
Average*Year*Samplin	2	1	0.1391	0.1149	63.1	1.21	0.2307
Average*Year*Samplin	2	2	-0.07096	0.09114	70.9	-0.78	0.4388
Average*Year*Samplin	2	3	0.01936	0.03652	74.3	0.53	0.5976
Average*Year*Samplin	2	4	-0.01114	0.03224	66.3	-0.35	0.7307
Average*Year*Samplin	2	5	0				
Average*Year*Samplin	3	1	0				
Average*Year*Samplin	3	2	0				
Average*Year*Samplin	3	3	0				
Average*Year*Samplin	3	4	0				
Average*Year*Samplin	3	5	0				

Type 3 Tests of Fixed Effects							
Effect	Num DF	Den DF	F Value	Pr > F			
Average_Coverage	1	66.7	3.86	0.0536			
Sampling_Day	4	41.3	1.58	0.1965			
Average_C*Sampling_D	4	70	0.56	0.6952			
Year	2	66.1	1.24	0.2969			
Average_Coverag*Year	2	83.4	0.09	0.9148			
Year*Sampling_Day	7	66.5	1.95	0.0755			
Average*Year*Samplin	7	80.6	0.67	0.6973			

