

Enhanced natural regeneration potential of sessile oak in Northern Hungary – role of artificially increased density of insectivorous birds
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Table S9. Results of statistics of acorn crop data

Laplace <- glmer(Abundance.t ~ Fledged_chicks:Site:State + (1 | Year/Site/Quadrat_ID), data = Acorn, family = gaussian(link = "log"), nAGQ = 1)

summary(Laplace)

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) ['glmerMod']

Family: gaussian (log)

Formula: Abundance.t ~ Fledged_chicks:Site:State + (1 | Year/Site/ Quadrat_ID)

AIC	BIC	logLik	deviance	df.resid
21161.3	21210.7	-10571.6	21143.3	1791

Scaled residuals:

Min	1Q	Median	3Q	Max
-8.9399	-0.0876	-0.0038	0.0637	15.332

Random effects:

Groups	Name	Variance	Std.Dev.
Quadrat_ID:(Site:Year)	(Intercept)	1487.13	38.56
Site:Year	(Intercept)	90.75	9.53
Year	(Intercept)	997.32	31.58
Residual		1152.51	33.95

Number of obs: 1800, groups: Quadrat_ID:(Site:Year), 450; Site:Year, 6; Year, 3

Fixed effects:

	Estimate	Std. Error	t value	Pr(> z)
(Intercept)	2.31625	0.55693	4.159	3.20×10 ⁻⁵
Fledged_chicks:SiteSample:StateAborted	-0.00457	0.00087	-5.271	1.36×10 ⁻⁷
Fledged_chicks:SiteSample:StateAll_acorns	0.00206	0.00073	2.829	0.005
Fledged_chicks:SiteSample:StateHealthy	-0.00357	0.00080	-4.474	7.69×10 ⁻⁶
Fledged_chicks:SiteSample:StateViable	-0.00122	0.00074	-1.639	0.101

Signif. codes: 0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1