

SUPPLEMENTARY DATA

Main statistical parameters of the multiple linear regression that associates the number of *Lutzomyia longipalpis* specimens captured in Montes Claros (Sep/02-Aug/03) with local climate variables

Regression parameters				
Name	Calculated value	Climate variables		
		rf (mm)	tp °C	rh (%)
Rsqr	0.752	-	-	-
F-to-remove	-	5.988	12.81	15.69
P value	-	0.040	0.007	0.004
VIP	-	1.970	1.236	2.043
Regression diagnostics				
Month	Predicted	Studentized residuals		
Sept/02	128	- 2.346		
Oct/02	239	2.083		
Nov/02	87	- 0.423		
Dec/02	135	0.780		
Jan/03	0 ^a	0.529		
Feb/03	64	- 0.203		
Mar/03	26	- 0.308		
Apr/03	61	0.261		
May/03	1	0.261		
Jun/03	0 ^a	1.152		
Jul/03	1	0.201		
Aug/03	47	- 0.747		
Influence diagnostics				
Month	Leverage	Cook's distance		
Sept/02	0.196	0.336		
Oct/02	0.666	2.161		
Nov/02	0.115	0.006		
Dec/02	0.670	0.308		
Jan/03	0.479	0.064		
Feb/03	0.247	0.003		
Mar/03	0.337	0.012		
Apr/03	0.232	0.005		
May/03	0.171	0.003		
Jun/03	0.304	0.145		
Jul/03	0.426	0.007		
Aug/03	0.157	0.026		

Normality test: passed (p = 0.340)

Constant variance test: passed (p = 0.089)

all statistical analysis was performed with $\alpha = 0.05$ and default values [4 for variance inflation factor (VIP) and Cook's distance, 2.5 for studentized residuals, 2.0 for leverage and 3.9 for F-to-remove]. *a*: due to lacking in biological meaning, predicted negative values have been considered as zero; rf: cumulative rainfall; rh: average relative humidity; tp: average temperature.