**Supplementary Material**

Tree characteristics, microhabitat and edge effect in plantations govern Turtle Dove nest habitat selection at the edge of Sahara: implications for conservation of a vulnerable species

NASRINE SAÂD, SAÂD HANANE, KAMILIA FARHI, NACERDDINE MATALLAH, MOHAMED DHAYA EL HAK KHEMIS

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**Figure S1.** Model diagnostics for TD occurrence using tree characteristics variables. Left panel: Q-Q plot to detect overall deviations from expected distribution. Includes tests for uniformity, dispersion, and outliers. KS (Kolmogorov-Smirnov) test D > 0.05, *P* = 0.621; Dispersion test > 0.05, *P* = 0.672; outlier test: tests if there are more simulation outliers than expected, *P* = 1.0. Right panel: Residuals vs. predicted values.The plot of the residuals vs. model predictions assess the homogeneity of variances and identify outliers (no outliers were identified).



**Figure S2.** Model diagnostics for TD occurrence using microhabitat variables. Left panel: Q-Q plot to detect overall deviations from expected distribution. Includes tests for uniformity, dispersion, and outliers. KS (Kolmogorov-Smirnov) test D > 0.05, *P* = 0.749; Dispersion test > 0.05, *P* = 0.888; outlier test: tests if there are more simulation outliers than expected, *P* = 1.0. Right panel: Residuals vs. predicted values. The plot of the residuals vs. model predictions assess the homogeneity of variances and identify outliers (no outliers were identified).

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**Figure S3.** Model diagnostics for TD occurrence using human presence variables. Left panel: Q-Q plot to detect overall deviations from expected distribution. Includes tests for uniformity, dispersion, and outliers. KS (Kolmogorov-Smirnov) test D > 0.05, *P* = 0.384; Dispersion test > 0.05, *P* = 0.678; outlier test: tests if there are more simulation outliers than expected, *P* = 1.0. Right panel: Residuals vs. predicted values. The plot of the residuals vs. model predictions assess the homogeneity of variances and identify outliers (no outliers were identified).