



Additional file 3. Exemplar images depicting forest cover determination using hemispherical photography. For peridomestic and *chacra* forest cover levels, 30 randomly selected sites within 100 m of the collection site were chosen. At each site, a hemispherical image was taken directly upward to quantify the canopy coverage. Only one image was taken at the forest site, due to safety concerns. Canopy coverage in each image was determined using CAN-EYE v.6.314 (<http://www6.paca.inra.fr/can-eye>) hemispherical image analysis software. In the lower images, a building was masked in the lower left corner, to prevent its classification as forest cover.