

Abstract

This is a description of species area effects for Agromyzidae associated with leguminous plants. The data on geographic area was extracted from the National Museums of Kenya (Herbarium section). The geographic area species plots showed an effective partial correlation of 16%. The correlation was unfortunately low and could be attributed to inadequate botanical and agromyzid records in Kenya. Generally, geographical area explained most of the species richness in Kenya. Other variations not accounted for by the logarithmic plot of species-area effects were derived from residuals. The plots between residuals and different variables showed that leaf-form, habitat variation, altitude and taxonomic isolation also explained variation in species area plots.