

*Fitodiversidad geográfica de Fuenvellida y Valdeolmeña  
(Guadalajara) en cuadrículas U.T.M. de 2x2 Km. Análisis taxonómico  
y de riqueza*

**Geographical phytodiversity in Fuenvellida and Valdeolmeña  
(province of Guadalajara) using 2x2 km U.T.M cells. Taxonomic and  
richness analysis**

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A systematic and exhaustive vascular plant inventory has been carried out in twelve 1x1 km U.T.M (ED50) contiguous grid cells. These are located in Western "La Alcarria" (provinces of Guadalajara and Madrid, Central Spain) consisting of a part of the Pastorage Community of Almoguera (Fuenvellida and Valdeolmeña deserted villages). They shape a rectangle of 2x6 km. Vascular richness and taxonomic spectrum data are summarized. A space-time strategy is employed to avoid pitfalls of sighting plants by phenological reasons. Thus, four 1x1-km grid cells are grouped in a 2x2 km aggregate (4 km<sup>2</sup>), visiting those in four different periods that cover a complete annual floristic cycle. In addition to analyzing the data corresponding to the studied area (12 km<sup>2</sup>) we also give the data obtained in two sample units 1x5 km (5 km<sup>2</sup>) in size that we covered incidentally.

**Key words:** Fuenvellida and Valdeolmeña deserted villages; Biological diversity; Local scales; Geography of plants; Vascular richness.