



Journal of Agronomy

Volume 6 (4): 541-547, 2007



Research Article

Allelopathic Activity of Sunflower (*Helianthus annuus* L.) on Growth and Nodulation of Bambara Groundnut (*Vigna subterranea* (L.) Verdc.)

U. Batlang and D.D. Shushu

Abstract

Laboratory and greenhouse experiments were conducted to determine the allelopathic activity of sunflower (*Helianthus annuus*) on seed germination, seedling growth, flowering and nodulation of bambara groundnut (*Vigna subterranea* L. Verdc.). Bambara groundnut seeds were treated with diluted and undiluted sunflower extracts under laboratory conditions. Sunflower was also mixed-planted with bambara groundnut in the greenhouse. The effect of sunflower plant residues on bambara groundnut was also determined. Sunflower leaf and root