

Control of Brown Blotch of Bambara Groundnut with Garlic Extract and Benomyl

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Field trials were conducted over two seasons to evaluate the efficacy of a water extract of garlic either alone, or in combination with reduced quantities of Benlate (benomyl 50% a.i., WP), for control of brown blotch of bambara groundnut caused by *Colletotrichum capsici*. Results obtained showed that garlic extract has potential for control of brown blotch under field conditions, although it is not so effective as benomyl. Combining the extract with lower dosages of benomyl, however, appeared to have a synergistic effect. Consequently, the treatment comprising half the recommended dosage of benomyl (0.3 g l⁻¹) combined with 1% (w/v) garlic extract was as effective as the full dosage of the fungicide which gave complete control of the disease.

KEY WORDS: Bambara groundnut; *Vigna subterranea*; brown blotch; benomyl; garlic.

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