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Effects of different covering material on stable winter survival management with edible leaf in ramie (*Boehmeria nivea* L.).

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Abstract

This study was to evaluate methods to high quality food ramie rice cake, thereby increasing farm income. This study investigated the effects of different covering material on stable winter survival management with edible leaf in Ramie(*Boehmeria nivea* L.). The method of winter survival with covering material were conducted under three condition compose to Non covering, Rice straw cutting covered with 500kg. 10a⁻¹, Rice husks covered with 1,000kg. 10a⁻¹(covered 4~5cm thickness in the soil surface). Method of application were standard application(N-P-K-Compost applied at 27-9-27-600kg. 10a⁻¹. Compost and fused phosphate applied at 100% of basal fertilizer in March 25. 20% of top dressing were four times application in March 25 - October 5. Planting year were March 15, 2011. Plants were spaced 60 cm apart in rows 25 cm apart with open cultivation. According to non covering < Rice husks covered with 1,000kg. 10a⁻¹ < Rice straw cutting covered with 500kg. 10a⁻¹ cultivation this order, aerial part as a result were plenty amount of growth. Sprout time and winter survival rates was uncovering control plot compared to 2 - 5 days quickly, 45 - 57% highly by rice husks and rice straw covering. Green leaf yields is untreated control plot (12,44 kg. 10a⁻¹) compared to rice husks covering 7% higher, and rice straw covering increased to 18% of the most.

Keywords : *Boehmeria nivea* L., covering material, edible leaf, growth characteristics, winter survival.

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