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EFFECT OF INTEGRATED NUTRIENT MANAGEMENT ON GROWTH, YIELD AND QUALITY OF FORAGE CROPPING SEQUENCE

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ABSTRACT

An experiment was conducted to study the integrated nutrient management on growth, yield and quality of rice bean-oat-moong sequence as kharif, Rabi and summer season respectively to evaluate the performance of vegetative, reproductive and crude protein yield in 2011-12 at regional research station (Gayeshpur) at Bidhan Chandra Krishi Viswavidyalaya, West Bengal. The treatment consisting of GM+25% N FYM+50% NPK inorganic resulted higher Green forage yield (297.90 q^{-ha}), dry matter weight (56.78 q^{-ha}), crude protein (16.85%) and crude protein yield (8.985 q^{-ha}) in ricebean. In Oat, higher green forage yield (376.00 q^{-ha}), dry matter yield (62.125 q^{-ha}) were recorded with the application of GM+25% N FYM+50% NPK inorganic. But higher crude protein was recorded (9.780%) with the application of GM+25% N FYM+50% Biofertilizer which is statistically at par with GM+25% N FYM+50% NPK inorganic (9.653%) and GM+50% N FYM+PSB+Biofertilizer (9.533%). In summer moong higher green forage yield (106.650 q^{-ha}), dry matter yield (22.750 q^{-ha}), crude protein (16.98%), crude protein yield 4.050 q^{-ha} were recorded when applied with GM+25% N FYM+50% Biofertilizer.

KEYWORDS: Integrated Nutrient Management, Growth, Forage Quality And Yield.

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