



Integrated nutrient management in pearl millet (*Pennisetum glaucum*) - wheat (*Triticum aestivum*) cropping sequence in semi arid condition of India

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Abstract : A field experiment was conducted at Raja Balwant Singh College Agricultural Research Farm, Agra during 2009 – 2010 to evaluate the effect of different fertility levels on the productivity of pearl millet (*Pennisetum glaucum*) - wheat [*Triticum aestivum* (L.)] cropping sequence under semi arid condition. The combined application of organic manures and fertilizers had significant and positive effects on productivity of the system. The results indicated that the productivity of the wheat and pearl millet crop can be sustained by the application of balanced use of nutrients to the crops through integration of organic manures and fertilizers. The quality of both the crops in respect of protein, nitrogen and phosphorus and potash utilization increased significantly with conjoint use of organic manures and inorganic fertilizers.

Key Words : INM, Pearl millet – wheat cropping sequence, Vermicompost

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