



RESEARCH PAPER

Evaluation of yield potential of CO₅ BN napier *Bajra* hybrid crop under irrigated condition in Rohilkhand region of U.P.

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Abstract : A field trial on CO₅BN was conducted at ICAR-IVRI, Izatnagar during 2013-14 to 2017-18 to study the effect of harvesting season/time on green, dry matter yield and morphological characters. Data shows that yield of CO₅BN was increased from first year 2013-14 to third year 2015-16 and decreased in fourth year of plantation of crop. Re-growth of ratoon crop was good as it was in first year crop, it may be concluded that crop can be grown upto 5-6 years. The crop yield of first year and second year as par with fifth year. Maximum green fodder yield 307.7 q/ha in 2015-16. In 5th year (2017-18), ratooning yield was at par 301.3 q/ha with 2nd to 4th year (2014-15 to 2016-17). Good package of practices are recommended for ratooning to get good yield as well as economic production for long time 5-6 years of ratooning. The crop CO₅BN produced maximum green fodder yield (307.7 q/ha) in Aug-Sep.

Key Words : Napier hybrid, Nutrients, Crop, Animal nutrition, rainfall, dry matter

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