

عنوان مقاله:

Performance of Nitrogen Phosphorus compound fertilizer in Boro rice

محل انتشار:

فصلنامه بین المللی تحقیقات پزشکی, دوره 6, شماره 1 (سال: 1396)

تعداد صفحات اصل مقاله: 7

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خلاصه مقاله:

Objective: Evaluation of new nutrient sources plays an important role in crop production. A field experiment was conducted at BRRI, Gazipur and at BRRI regional station, Sonagazi, Feni during Boro season of 2014-15. A new fertilizer, NP compound (NPC) was evaluated and compared the performances with di-ammonium phosphate (DAP). Test crop was BRRI dhan29. At Gazipur site, phosphorus (P) control plot produced only 1.97t ha⁻¹ grain yield that increased with added P along with two N rates. At lower N doses, application of P either from DAP or NPC produced similar grain yield. It was observed that 30% less N produced statistically similar grain yield to 100% N, irrespective of P sources. It can be inferred that 30% N could be saved without significant reduction of rice yield. At Sonagazi site, application of P either from DAP or NPC could not increase rice grain yields compared to P control plot. From the results of both sites it can be concluded that NPC and DAP performed equally either with 100% N or 30% less N rates

کلمات کلیدی:

NPC, DAP, rice yield

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