

Effect of sources and levels of phosphorus on Baby corn

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ABSTRACT : A field experiment was conducted at Central Research Farm Allahabad Agricultural Institute-Deemed University, Allahabad (U.P.) during *kharif* season, 2008 on sandy loam soil. The experiment consisted of eight treatments replicated thrice at four levels of phosphorus (30,40,50,60 kg/ha) and two sources of phosphorus (DAP and SSP) along with basal application of nitrogen at 120 kg/ha and potash at 40 kg/ha. The results showed that Maximum plant height, stem girth, leaf area index, plant dry weight, crop growth rate and relative growth rate was recorded in treatment in which phosphorus was applied at 60 kg/ha through SSP. Among the yield attributes more no. of cob per plant, length of cob, weight of cob with husk, weight of cob without husk, yield of cob with husk and yield of cob without husk was recorded in the aforesaid treatment. Maximum benefit cost ratio was also recorded in the same treatment.

Key Words: Baby corn, phosphorus, sources, yield, growth and yield.