

PHOSPHORUS APPLICATION TO POTATO THROUGH IRRIGATION WATER

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ABSTRACT

Field experiments were conducted during 1996 and 1997 at the experimental farm of NIFA to compare the efficiency of soil-applied and fertigation applied P using Potato as test crop. Phosphorus was applied @75 and 150 Kg P_2O_5 /ha directly to the soil at the time of sowing and in solution form mixed with irrigation water (fertigation) to the standing crop five weeks after sowing along with a control treatment receiving no P fertilizer. The result obtained showed that phosphorus applied as fertigation out yielded the soil application. The cost economics of soil-applied and fertigation applied P revealed that phosphorus applied through fertigation produced more economic return than soil applied P.