

INFLUENCE OF LEVELS AND APPLICATION TECHNIQUES OF K ON PERFORMANCE OF GRADED TUBERS AND YIELD IN POTATO

DEEPENDRA YADAV, SARVESH SINGH & PRIYANKA SINGH

Department of Horticulture, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, Uttar Pradesh, India

ABSTRACT

Experiments were conducted with four potassium levels (50, 100, 150 and 200 Kg K₂O ha⁻¹) and six techniques of application (full dose as basal, three fourth dose as basal + one fourth as top dressing at 30 days after planting, half dose as basal + half as top dressing at 30 days after planting, half dose as basal + half as top dressing at 50 days after planting, one third dose as basal + one third as top dressing at 30 days + one third as top dressing at 50 days after planting and half dose as top dressing at 30 days + half as top dressing at 50 days after planting) along with control during 2014-15. The weight, number and yield of large and medium sized tubers significantly improved with an increase in K₂O levels upto 200 kg ha⁻¹ . Half dose of K as basal and half as top dressing at 30 days after planting (DAP) proved to be the best.

KEYWORDS: 50 Days after Planting, Large and Medium Sized Tubers, Half Dose of K

Received: Feb 04, 2016; **Accepted:** Feb 10, 2016; **Published:** Feb 18, 2016; **Paper Id.:** IJASRAPR20162