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Efficiency of split nitrogen fertilization with adjusted irrigation on potato

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## Abstract

The split application of fertilizer nitrogen and adjusted irrigation were studied at Potato Research Institute in Lammi in 1992. Independent of year, variety or irrigation, the split application of nitrogen had no benefit on yield or yield quality compared dose at planting on the levels of recommended nitrogen fertilization. The highest yields were received with the highest dose 1 given all at planting, followed by 80, 50+30+30, 50+30 and 50 kg ha-1 N. The yields without fertilizer nitrogen averaged 24.8 adjusted irrigation increased tuber yields 17%. The utilization of fertilizer and organic soil nitrogen was good on potato crop supply was taken care of. Some values of apparent fertilizer nitrogen recovery exceeded 1.0 thus suggesting that the moderate improved the ability of potato crop to utilize the natural nitrogen sources in soils.

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