Effect of pre-sprouting and harvesting date on yield and some agronomical characteristics of three potato cultivars

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ABSTRACT

The effect of pre-sprouting and harvesting date on yield and some agronomical characteristics of three potato cultivars, namely Russet Burbank, Atlantic, and Kipfler, was studied. The experiment was conducted at the Agricultural Research Station of the University of Jordan during the 2018-2019 growing seasons. The treatments consisted of three levels of pre-sprouting (control, 3 days, and 5 days) and four levels of harvesting date (early, mid, late, and very late). The results showed that pre-sprouting up to 5 days significantly increased the yield and improved the agronomical characteristics of the potato cultivars. The early harvesting date resulted in the highest yield and the best agronomical characteristics, while the very late harvesting date resulted in the lowest yield and the poorest agronomical characteristics. The results indicate that pre-sprouting and early harvesting should be recommended for maximizing potato yield and improving its agronomical characteristics.

Keywords: potato, pre-sprouting, harvesting date, yield, agronomical characteristics.