

# Effect of treatment with Prohexadione-Ca product on pear fruits shelf life

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Acta Horticulturae 981: 573-580. 2013.

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## Abstract

The experiment to evaluate the effect of Prohexadione-Ca on pear fruits storage self life was organized at RIFG Pitesti, Romania during 2007-2008 period. The fruits were harvest from the experimental field at technological maturity. The study was done on two winter pear cultivars: 'Packam's Triumph' and 'Cure'. The pear trees were sprayed with Prohexadione-Ca and Calcium Chloride. These products were applied twice: the first was done in June and the second treatment was applied 20 days before harvest, with the following concentrations 0.125% for Prohexadione-Ca and 1.00% for Calcium Chloride. The harvested fruits were distributed in 3 samples namely: T1, treated with Prohexadione-Ca; T2, treated with Calcium Chloride and T3, un-treated fruits. The fruits level damages, was visually recorded. The results obtained show as a good effects of Prohexadione-Ca recorded after 60 days of storage on fruit firmness at both cultivars: 14.80 at 'Cure', and 15.07 libri at 'Packam's Triumph', compared with fruits firmness from control 11.57 libri at 'Cure', respectively 11.93 libri at 'Packam's Triumph'. Level of damaged fruits was reduced in the plot treated with Prohexadione-Ca with 8%, compared with 17% fruit damage to control in the case of 'Packam's Triumph'.