عنوان مقاله:

Cellulase, polygalacturonase and β-galactosidase activity in ripening raspberry (Rubus caesius L.) fruit

محل انتشار:

سومین کنفرانس ملی نوآوری در کشاورزی، علوم دامی و دامپزشکی (سال: 1399)

تعداد صفحات اصل مقاله: 7

نویسنده:

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خلاصه مقاله:

Activities of the cell wall degrading enzymes cellulase, polygalacturonase, and β-galactosidasewere determined on unripe, semi-ripe, and ripe raspberry (Rubus caesius L.) fruit. The enzymeactivity, measured as μmoles of released product.g-1 of fruit h-1 indicated the presence ofpolygalacturonase, cellulose, and β-galactosidase in raspberry fruit. Enhanced fruit ripening wasreflected by increased values for cellulase, polygalacturonase abd β- galactosidase activity. Inraspberry cellulose, polygalacturonase, and βgalactosidase appear to be involved in fruitsoftening during unripe to the ripe stages.

کلمات کلیدی:

Raspberry, fruit ripening, cellulase, polygalacturonase, β-galactosidase