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## Seasonal Changes in the Photosynthetic Capacity of Japanese Pear

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Seasonal changes in the light-saturated photosynthetic rate (photosy investigated for spur leaves of Japanese pear, using a portable open Preliminary tests demonstrated that the chamber should be ventilate  $\mu$ mol·s<sup>-1</sup>, and the photosynthetic photon flux density should be kep

to evaluate the photosynthetic capacity. Moreover, all the measurer before 9:00 a.m., because the photosynthetic rate was found to dec photosynthetic capacity of spur leaves reached maximum (15-20  $\mu$ ) days after flowering, then maintained that level until at, or just befor photosynthetic capacity gradually decreased after harvest, and then October. The seasonal change in the mesophyll conductance was ve photosynthetic capacity. Therefore, it is suggested that the photosyn regulated by mesophyll activity. Our experiments demonstrated that capacity of spur leaves of Japanese pear is maintained at a high level bearing period.

**Key Words:** <u>cultivation in a plastic house</u>, <u>fruit load</u>, <u>mesophyll cc</u> <u>culture</u>

## [PDF (802K)] [References]

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