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Horticultural Research (Japan)

Vol. 9 (2010), No. 2 183-189

Investigation of Environmental Factors Inducing Ur (*Pisum sativum* L.) (1) Effects of Shading and Tempo Development of Pod and Ovule

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(Received August 5, 2008) (Accepted October 8, 2009)

Effects of day and night temperatures and shading on the developm

pods (*Pisum sativum* L. 'kishu-usui') were investigated during the season. Percentages of unfilled pods increased between February a increased by shading treatment in which the light intensity was 77% Occurrence of unfilled pod was associated with percentage of unde not that of abortive ovules in the pod. Compared with that at 7°C at single ovule was decreased at 3°C, but did not affect the percentage Under shaded condition with a light intensity that was 50% of contraincreased at a day temperature of 13°C, but not at 17.5°C. These fi percentage of unfilled pods can be enhanced by a low day temperative.

Key Words: <u>abortive ovule</u>, <u>low day-temperature</u>, <u>low light intens</u> <u>ovule</u>

[PDF (724K)] [References]

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To cite this article:

Takahide Kawanishi, Hiroshi Shinto, Fusako Fukushima, Suguru S Hiroo Nishimori and Takaya Azuma. 2010. Investigation of Enviro Unfilled Pea Pods (*Pisum sativum* L.) (1) Effects of Shading and Development of Pod and Ovule . Hort. Res. (Japan) 9: 183-189.