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Horticultural Research (Japan)

Vol. 8 (2009) , No. 3 335-340

Effect of Brief Irradiation with Far-red Light at End Elongation of Spray Type Chrysanthemum in Winte

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(Received September 18, 2008)

(Accepted December 17, 2008)

The effect of brief irradiation with far-red (FR) light at the end of the stem elongation of spray type chrysanthemums in winter was investigated using 'Sei Prince' and 'Remidas' in order to reduce the growing period in winter. EOD-FR exposure enhanced shoot extension. Plants were grown under

short day conditions, with or without EOD-FR. The effect of EOD- condition was more efficient than that under night break conditions. conditions, plants were exposed to FR light for one hour after dusk, or before dawn. Exposure to FR light after dusk or in the middle of 1 promoted stem elongation, whereas FR light exposure before dawn There was no delay in flowering under any of the FR light treatment number of inflorescence was reduced by exposure to FR light in the Based on these results, it is considered that EOD-FR treatment und is applicable to reduce the growing period efficiently by promoting s type chrysanthemums.

Key Words: [dusk](#), [night break](#), [phytochrome](#), [red light](#), [short day](#)

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To cite this article:

Kohji Shima, Takahide Kawanishi, Makoto Yamada, Masaki Ishiv and Tamotsu Hisamatsu. 2009. Effect of Brief Irradiation with Far- Stem Elongation of Spray Type Chrysanthemum in Winter . Hort.
