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Effects of Temperatures on Delayed Flowering and Proliferate Inflorescence and Methods of Reducing Capitula in Summer-to-autumn-flowering *Chrysanthemum* Ramat. 'Seiun'

[Takahiro Tanigawa](#)¹⁾, [Hiroshi Matsui](#)¹⁾ and [Yasuo Kobayashi](#)¹⁾

1) Fukuoka Agricultural Research Center

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To clarify the temperatures responsible for delayed flowering and the proliferate inflorescences (i.e. capitula with involucral bracts borne : florets) in summer-to-autumn-flowering *Chrysanthemum morifolium* effects of a range of day and night temperature regimes, and exposure at different stages of floral development, on flowering and inflorescence investigated. Rooted cuttings of 'Seiun' were planted on early-June

night-break treatment to maintain vegetative growth in a greenhouse plants were transferred to phytotron rooms on June 19 and were gr (6:00-18:00)/night (18:00-6:00) temperature regimes in short days. subjected to high-temperature treatment of 35/25°C for two weeks from the end of night-break treatment (ENBT), from two to four w from four to six weeks after the ENBT, and from six to eight weeks plants bearing proliferate capitula were counted when the number of capitulum exceeded 25. Flowering of ‘Seiun’ was delayed in plants day temperature of 30°C or more, or at a night temperature of 20°C capitula were formed in plants exposed to a high day or night temp or 25°C, respectively, during the period from two to four weeks aft stage of involucre formation or early stage of floret formation). As a involucreal inflorescences of plants in summer-to-autumn-flowering ‘ using cheesecloth to achieve a 50% cut of daylight in the greenhous ENBT.

Key Words: [chrysanthemum](#), [flower bud development](#), [involucreal flower](#)

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