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Effects of Nitrogen Fertilization Levels in Nutrient Solution before/after Flower Budding on Blasting in Winter-flowering *Eustoma grandiflorum* (Raf.) Shinn.

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We investigated the effects of nitrogen fertilizer levels in nutrient solution before/after flower budding on blasting in the winter flowering of *Eustoma grandiflorum*. Application of a solution with a high nitrogen concentration after flower budding increased the number of flower buds and fresh weight of cut flower, whereas the rate of flower-bud blasting was increased by application of high concentration nitrogen. The relationship between the rate of flower-bud blasting and the nitrogen concentration in the nutrient solution showed a linear function. The rate of flower-bud blasting was found to be

the fresh weight of the cut flower. The increased nitrogen levels app induced flower-bud blasting at the upper nodes as well as the lower flowering was delayed by blasting. Moreover, the total biomass pro the increase in nitrogen levels after flower budding. When the flowe low sunlight in winter, i.e., from December to January, with applicat nitrogen, the flower-bud blasting was caused by the higher dry matt and shoots than that in the flower bud.

Key Words: [abortion](#), [assimilate](#), [dry matter partition](#), [soiless cult](#)

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