



<u>TOP</u> > <u>Available Issues</u> > <u>Table of Contents</u> > <u>Abstract</u>

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The Relationship between Parthenocarpy and Yield a Traits in Eggplant

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Common Japanese eggplant varieties are non-parthenocarpic and n bear fruit in forcing culture. Performing this treatment is quite time coparthenocarpic eggplant requires fewer working hours. Therefore, v relationship parthenocarpy and yield and yield-related traits in eggplant study, we used parthenocarpic and non-parthenocarpic doubled originated by anther culture of F_1 hybrid between 'Chikuyo' or 'Ko

Japanese common F₁ varieties, as a seed parent and AE-P03 or Al parthenocarpic pure lines, as a pollen parent. The numbers of flower percentages of parthenocarpic lines were equal to those of non-part However, the fruit set percentages of parthenocarpic lines were low parthenocarpic lines. Especially, the fruit set percentages of parthenocarpic lines were over 10 points lower than those of non-parthenocarpic lines was lower than that of non-parthenorm findings suggest that for the breeding of parthenocarpic eggplant var develop fruit load ability using with hybrid vigor.

Key Words: <u>doubled haploid</u>, <u>fruit growth percentages</u>, <u>fruit setti</u> of flowers

[PDF (308K)] [References]

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