

Varunyupa Suebla 2013: Male Sterility Line for F₁-hybrid Production of Ornamental Bird Pepper. Master of Science (Horticulture), Major Field: Horticulture, Department of Horticulture. Thesis Advisor: Associate Professor Thunya Taychasinpitak, M.S. 73 pages.

The male sterility line for f₁-hybrid production of ornamental bird pepper between bird pepper , pungency and non-pungency fruit . In 2009, the characteristics of cluster fruit and single fruit, light yellow young fruit and green young fruit were selected by Darakorn that the total of 11 varieties crossed pollination with hot pepper. The results showed that the F₁ hybrids had the characters of heterosis over parent in plant height, plant width, the period of seedling to flowering and yield per plant. However, fruits' size of hybrids had not different between its parents. All of F₁ hybrids had pungency fruit, single fruit and green young fruit. The pungency fruit and single fruit were controlled by dominant gene. The collected data of satisfied customers by accidental random sampling technique, the 77 customers at Ku Avenue Kasetsart University Market were satisfied to ornamental bird pepper F₁ - No.5, F₁ - No.6, F₁ - No.7, F₁ - No.9 and F₁ - No.10. In the mean time, the parents of selected varieties were studied by pollinated ratio and germinated ratio. As a consequence, F₁ - No.10 had the highest seed number per plant was 39.94 seeds.

Student's signature

Thesis Advisor's signature