

Abstract

Selection of vegetable varieties for produce organic seed project, produced in the types of Family Brassica vegetables, Cabbage, Pointed Cabbage, Chinese Cabbage and Chinese Radish July, 2018 – May, 2019 divided into 2 activities.

1. Three (3) species of cabbage were identified with 4 varieties selected for each species hence a total of 12 samples were tested. In comparison the Tropic Ace varieties showed the best yield with an average weight of 326.91g./head after trimming and 3 Pointed Cabbage heads with an average trimming weight 244.08-441.58g./head. Chinese Cabbage found that Big Boss and Suki 60 varieties had an average weight of 204.80 and 486.03g./head, respectively and Chinese Radish found that Sobutori and H.B. Everest varieties had an average trimming weight 600.54g./ head after harvest no greater yield variations were observed in all 4 plants tested for breeding program therefore are suitable for further development.

2. Study on the method of inducing flowering of 4 types of vegetables by stimulating flowering at low temperature 4 °C (Vernalization) in the seed phase by vernalization for a period of 0 10 20 and 30 days. It was found that Cabbage, Chinese Cabbage and the flowering Chinese Radish except the Pointed Cabbage. However the Tropic Ace Cabbage, vernalization at 20 days helps to induce the best flowering. Two Chinese Cabbage, Big Boss varieties and Suki 60 variety by vernalization at 20 days helps good flowering and Chinese Radish by vernalization at 10-30 days helped to induce flowering of all plants but if the Chinese Radish does not pass vernalization plants can bloom only Everest variety.