

Abstract

Study the greenhouse and management suitable for chrysanthemum was carried out in 2 experiments as follows:

Experiment 1: The study on suitable greenhouse for chrysanthemum production on highland area was operated in the area of the Royal Project Foundation HuayLuk during the period from August-November 2016 as 3 differences treatments i.e., T1) gardener's greenhouse, T2) greenhouse equipped net (32 eyes/inch) and T3) greenhouse equipped spunbond fabric. Six varieties of chrysanthemum were used on this experiment. The results of this experiment showed that six chrysanthemum mother plant in the greenhouse equipped net (32 eyes/inches) and the greenhouse equipped spunbond fabric gave the higher results on total yield than gardener's greenhouse. The most total yield in greenhouse equipped net (32 eyes/inch) was Resident (3,460 limb), Exploler (2,380 limb), Talitha (1,300 limb), and Leopard (3,260 limb) varieties as the most total yield in the greenhouse equipped spunbond fabric was Harley (3,575 limb) and Feeling Green (3,900 limb). In the daytime (09.00-16.00 a.m.) the temperature in the greenhouse equipped spunbond fabric was higher than gardener's greenhouse about 1.4-10.2 degree celsius. As the greenhouse equipped net (32 eyes) was higher than gardener's greenhouse about 0.5-5.0 degree celsius.

Experiment 2: The study vase life of 12 varieties chrysanthemum included Campus, New Day, Cilibrate, Leopard, Cornelia, Prada, Candor Pink, One Way Improve, Talitha, Canter, Red Rock and Orange Day. The result showed that 2 week vase life of varieties chrysanthemum had 6 varieties. There were New Day (19.12 days), One Way Improve (18.12 days), Leopard (17.75 days), Talitha (17.25 days), Orange Day (15.25 days) and Cornelia (15.12 days).