

EVALUATION OF AGRO – BIOLOGICAL CHARACTERISTICS OF DAYLILY ACCESSIONS (*Hemerocallis* sp.) COLLECTED FROM VIETNAM

Pham Thi Minh Phuong

Summary

Daylily (*Hemerocallis* sp.) belongs to the genus *Hemerocallis* is grown mainly in the cool climate areas in Vietnam. Daylily is used for landscaping, vegetable or medicine. This research was carried out with 9 accessions collected from provinces/cities in Vietnam. The results showed that all the accessions grown well in Hanoi of those 6 accessions produced flowers from April to June with two colors as yellow, and orange. The yellow daylily had fragrant, large flower diameter (average 12.7 cm), trumpet shape, and short spikes (<100 cm), while the orange daylily had non fragrant, small flower diameter (average 11.3 cm), recurved shape and tall spikes (>100 cm). Most accession had single perianth (6 petals) accepting accession C21 had double (14 petals). Flowering period of the yellow daylily was up to 2 months but those of the orange daylily was 3-4 weeks. Based on the characteristics of the flower, flower shape and color, growth and development the daylily accessions were identified as *Hemerocallis fulva* L. (orange daylily) and *Hemerocallis lilioasphodelus* L. (yellow daylily). The chromosome number of the yellow daylily was $2n = 2x = 22$ those of the orange was $2n = 3x = 33$. This study also find the present of double daylily *H. fulva* Kwanso (syn. *H. fulva* flore pleno) in Vietnam. The information from our research is valuable for the breeding program of the daylily in Vietnam.

Key words: *Chromosome, daylily, Hemerocallis, Vietnam.*