

# Performance of Chrysanthemum under Gharoli Village of Uttarakhand

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## ABSTRACT

Chrysanthemum also named as Mums or Chrysanthus is popularly called “Queen of the East.” It is one of the most common ornamental flowers which has many colours and beautiful florets. The present investigation was carried out with twenty flower growers who cultivated four varieties of Chrysanthemum. The performance of chrysanthemums was highly significant in the traits that were observed. Arctic Queen was the earliest for spike initiation and maximum average number of flowering heads per spike was by Chrysanthemum Spray Flower. The longest spike length was found in Anastasia and best shelf life was of Arctic Queen.

**KEYWORDS:** *Chrysanthemum, Ornamental, Florets, Spike, Shelf Life*

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## INTRODUCTION

Chrysanthemum is one of the most important flower crops grown in Uttarakhand. It gives more yield when it is cultivated in polyhouse. It belongs to “Compositae” family. In India, the commercial cultivation of Chrysanthemum is done because of its good demand. Flowers are mainly used as cut flowers for party arrangements, religious offerings and garland making. It is an herbaceous perennial plant which attains the height of 50-150cm.

Chrysanthemum has both domestic and international market. It is also perfect for garden display, floral arrangements, table and interior decoration as well as for making high quality bouquet. There are approximately 40 wild species and innumerable varieties of chrysanthemums. The varieties can differ in size, number and colours of chrysanthemum flowers per stem. These are second most popular flowers in the world, ranking on second number to rose. Due to these new varieties coming into knowledge it becomes necessary to test the best varieties of chrysanthemum.

## Materials and Methods

Twenty flower growers were surveyed through pre tested schedule for the flowering and yield contributing characters. The survey was conducted in Gadholi village in Naugaon block of Uttarkashi. Four types of Chrysanthemum varieties being grown by these growers were surveyed. Test results were conducted on the basis of 5 characteristics of respective varieties. Mean performance of Chrysanthemum specifications for different characteristics were calculated through MS- Excel. Variety bearing highest profits to these growers was also analysed.

## Results and Discussion

Mean calculation represented significant differences among specifications for all five characters studied, indicating a considerable variation. The market prices were clear representation of highest profit bearing variety of this flower.

The flower growers cultivating each of these four varieties were surveyed. Then the mean of respective responses as per the variety as well as characteristic was calculated.

Characters	Plant height (cm)	Days taken to spike	Spike length (cm)	Average Number of flowering heads per spike	Shelf life	Market Price per kg (as of March2021)
<b>Varieties</b>						
Artic Queen Flower	45	112	13	5	18	290
Organic Pink Chrysanthemum	110	120	15	10	10	160
Chrysanthemum Spray Flower	80	115	14	14	12	220
Chrysanthemum Anasasia Flower(Green)	90	120	18	8	15	180

1. The difference in Plant height, taken to spike and spike length was mainly due to the genotype of the species.
2. According to the respondents, Artic Queen Flower was bought by a private seller who has further bought these cuttings from a Bangalore based flower grower who has imported Chrysanthemum plants from Netherlands. The quality of this variety was excellent which is the major reason best market price received.
3. Spray flower also received quite good price in the market because the flower produced in this plant is high numbered. This gives more amount of produce in a smaller number of plants. Thus, benefitting the growers.

## REFERENCES

- [1] Balaram, M.V., Janakiram, T. and Kumar, E.V.: Performance of Indian and exotic gladiolus genotypes. *J. Orn. Hort.*, 12: 95-100 (2009).
- [2] Bhajantri, A. and Patil, V.S.: Flowering attributes of gladiolus (*Gladiolus hybrids Hort.*) genotypes. *Bioinfolet*, 10(1A): 54 (2013).
- [3] Chopde, N., Gawali, R.P. and Seema T.: Evaluation of gladiolus varieties for flower and corm production under Vidarbha conditions. Varieties for growth, yield and flower quality characters.
- [4] Lepcha, B., Nautiyal, M.C. and Rao, V.K.: Variability studies in gladiolus under mid hill conditions of Uttarakhand. *J. Orn. Hort.*, 10: 169-172 (2007).
- [5] Performance of gladiolus germplasm under Tarai region of Uttarakhand Neelam Thakur, B.D. Bhuj, Donald Sangma, Ranjan Srivastava and Satish Chand
- [6] Agoramorthy, G., & Hsu, M. J. (2012). Impact of floriculture development enhances livelihood of India's rural women. *Journal of Agriculture and Rural Development in the Tropics and Subtropics*, 113(1), 69-76. Retrieved December 11, 2020, from [www.jarts.info](http://www.jarts.info)
- [7] Khriemenuo, P., & Giribabu, M. (2016, November 5). Floriculture and the Role of Women in Nagaland: A Case Study. *Arthshastra Indian Journal of Economics and Research*, 5(6). doi:10.17010/aijer/2016/v5i6/107524
- [8] Negash. (2017). Cultivating gender equality in the flower industry.
- [9] Pal, B., Roy, S., Goswami, A., & Mazumder, D. (2014, August 31). STATUS OF RURAL WOMEN ENGAGED IN FLORICULTURE ACTIVITIES. *International Journal of Development Research*, 4(8), 1562-1564. Retrieved November 13, 2021, from <http://www.journalijdr.com>
- [10] Saili, T. (2018, September 6). Women turn floriculturist for a better tomorrow. Retrieved January 15, 2022, from News Post: <https://www.newspost.live/en/women-turn-floriculturist-for-a-bettertomorrow/>
- [11] Sati, M., Kandari, P., & Rana, P. (2020, October 30). Agricultural Transformation and Diversification in Uttarakhand: Options and Opportunities. In P. Kandari, M. C. Sati, & P. Rana (Eds.). *M/s Bishen Singh, Mahendra Pal Singh*. Retrieved January 20, 2022
- [12] Singh, P. (2017, June). Floriculture as an emerging tool for women empowerment: A Case study of Himachal Pradesh. *INTERNATIONAL JOURNAL FOR INNOVATIVE RESEARCH IN MULTIDISCIPLINARY FIELD*, 3(6), 179-187. Retrieved June 14, 2019, from [www.ijirmf.com](http://www.ijirmf.com)

- [13] Floriculture for Rural Development - Jammu Kashmir Latest News | Tourism | Breaking News J&K ([dailyexcelsior.com](http://dailyexcelsior.com))
- [14] Gadoli Village in Rajgarhi (Uttarkashi) Uttarakhand | [villageinfo.in](http://villageinfo.in)
- [15] Chrysanthemum Farming | Chrysanthemum Cultivation | Apni Kheti
- [16] Dehradun: Cultivation of flowers in hill villages emerging as alternative source of income | Dehradun News - Times of India ([indiatimes.com](http://indiatimes.com))
- [17] Protected Cultivation of Summer Squash in Mid-hills of Uttarakhand ([scholars.direct](http://scholars.direct))

