International Journal of Agricultural Sciences
Volume **10** | Issue 1| January, 2014 | 272-275

***RESEARCH PAPER***

# Influence of gibberellic acid and blossom removal on flowering and yield of strawberry (*Fragaria* x *ananassa* Duch.) cv. Belrubi

RAKESH KUMAR*, S. SARAVANAN[1], AMIT JASROTIA, PARSHANT BAKSHI[2], RAFIQ SHAH AND VISHAL RAINA
Regional Horticulture Research Sub-Station (SKUAST-J), Gwari, Bhaderwah, JAMMU (J&K) INDIA
(Email : rakesh_sangwal@yahoo.com)

**Abstract :** A study was carried out to investigate the effect of gibberellic acid ($GA_3$) and blossom removal on flowering and yield characteristics of strawberry cv. Belrubi under subtropical region. Various parameters were monitored with the application of three concentrations of $GA_3$ 50 ppm, 100 ppm and 150 ppm and three levels of blossom removal *viz*., without deblossoming, partial deblossoming and full blossoming. Results showed that the $GA_3$ 150 ppm treated plants took minimum days to initiate flowering (54.22/ 53.55) and bud formation (60.77/60.08), meanwhile highest number of flowers per plant (23.64/22.56), fruit yield per plant (288.74/ 269.89g) and (17.67/ 16.50 q/ha) were registered with 50ppm $GA_3$ both the years experimentation. From this study, it can be concluded that 50 ppm $GA_3$ treated plants showed improved the flowering and fruit yield per plants.

**Key Words :** Strawberry, $GA_3$, Deblossoming

**View Point Article :** Kumar, Rakesh, Saravanan, S., Jasrotia, Amit, Bakshi, Parshant, Shah, Rafiq and Raina, Vishal (2014). Influence of gibberellic acid and blossom removal on flowering and yield of strawberry (*Fragaria* x *ananassa* Duch.) cv. Belrubi. *Internat. J. agric. Sci.*, **10** (1): 272-275.

**Article History : Received :** 29.07.2013**; Revised :** 20.10.2013**; Accepted :** 18.11.2013

*** Author for correspondence**
[1]Department of Horticulture, Allahabad School of Agriculture, Sam Higginbottam Institute of Agricultural Technology and Sciences, ALLAHABAD (U.P.) INDIA
[2]Division of Fruit Sciences, Sher-e-Kashmit University of Agriuculture Science and Technology (J), JAMMU (J&K) INDIA