

Rose and Marigold Flower Harvester's & Their Income

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Abstract: *This topic describes the rose and marigold flower's harvesters and their income in Allahabad city. We have some data which are collected during survey and presented here by table and graph in part of result and discussion. This topic explain the commercial activity of production and marketing of floriculture products is also a source of gainful and quality employment to scores of people and main resources of income. The harvesting processes of these crops are very drudgery prone. India being an agricultural country, where majority live in the rural areas, both men and women work very hard in the fields. The harvesting of rose comes under the severe drudgery prone activity (Ergonomic practices, 2003). Marigold is an annual flower plant. The harvesting of the Marigold flower is considered as the severe most drudgery prone activity (Ergonomic practices, 2003) where women have to keep their posture in bending position from the back facing the ground for the harvesting of flowers found that rose and marigold are the main cash crops of Allahabad that involves farmers at great number.*

Keywords: *Floriculture, buds, commercial, agro-climate, entrepreneurial, drudgery, rose, marigold.*

I. Introduction:

India has a long tradition of floriculture. Appreciation of the potential of commercial floriculture has resulted in the blossoming of this field into a viable agri-business option. Availability of natural resources like diverse agro-climatic conditions permit production of a wide range of temperate and tropical flowers, almost all through the year in some part of the country or other. Improved communication facilities have increased their availability in every part of the country. The commercial activity of production and marketing of floriculture products is also a source of gainful and quality employment to scores of people.

Farmer involved into floriculture get very high entrepreneurial opportunities but, so far has found that rose and marigold are the main cash crops of Allahabad that involves farmers at great number. The harvesting processes of these crops are very drudgery prone. India being an agricultural country, where majority live in the rural areas, both men and women work very hard in the fields. The present study will be taken in Allahabad's rural areas where the women are engaged in harvesting of Roses and Marigolds. These two flowers- Rose and Marigold are very much in demand in Allahabad. Harvesting of these is a very drudgery prone activity for the rural women because Rose thorns make them bleed from their hands and over all body and their dress get torn. At the time of harvesting of Marigold, women feel pain in their backbone, thighs, and legs, neck etc. because bending during harvesting causes pain. These are major drudgeries of harvesting the Rose and Marigold for these rural women. These two flowers are planted frequently because Allahabad is a Holy and Religious city. Here every day in all the temples people use the flowers for worship God as well as the Dhoopbatti and Agarbatti sticks also used in temple which has fragrance and these two flowers are being used especially for fragrance. Rose and Marigold are cash crops in Allahabad city.

Rose is planted commercially by women in Allahabad city and nearby areas. The women are facing lot of difficulties in the cultivation of rose flowers. Rose thorns keep hurting them to their hands and other parts of body (that are in the contact with thorns) start bleeding and their clothes get thorn as well. Rose is grown in the city of Allahabad throughout the year. The Farm women have to harvest rose flower in standing posture by hand and collect them in a cloth wrapped around the waist, which result in decreasing the commercial value of flowers.

The harvesting of rose comes under the severe drudgery prone activity (Ergonomic practices, 2003). Marigold is an annual flower plant. The harvesting of the Marigold flower is considered as the severe most drudgery prone activity (Ergonomic practices, 2003) where women have to keep their posture in bending position from the back facing the ground for the harvesting of flowers. It leads them to severe pain in their backbone, leg, and thigh and feet etc. To reduce such problems, the 'hybrid variety of tall plant' of Marigold as well as rose can help reduce or completely abandon the bending position of women while the harvesting process goes on.

Objective:

The major objective of the study is to know number of harvesters in block Chaka of Allahabad city. To know the income which comes from production of rose and marigold?

II. Methodology:

The research procedure and technique used in arriving at

(i) Location of the study:-

- District -Allahabad,
- Block- Chaka,
- Villages of Block Chaka

(ii) Sampling Procedure:

Sample selection and size –A sample of 106 farmer, 53 from each harvesting of Rose and Marigold respectively will be selected for the study.

A village inventory and interview schedule will be developed and administered with the BDO, Sabhapati and farm women respectively.

iii) Tools for the data collection: - The following tools will be selected for the data collection:

(A)

interview schedule:

An interview schedule will be prepared to know the income of village by production of rose and marigold as well as got the information of male and female harvesters in selected area.

I

III. Result and discussion:

Table 1:

Flower's Incomes on Village		
Flower	Income	Percentage
Rose	10,000	71.43%
Marigold	4000	28.57%
Total	14,000	100%

According to the table 3 of the study I got the information that the village earns approximately every month, 10,000rs by rose and 4000 by the marigold .The reason of this result is the production of rose is more than marigold.

Figure 1: Flower's Incomes on Village

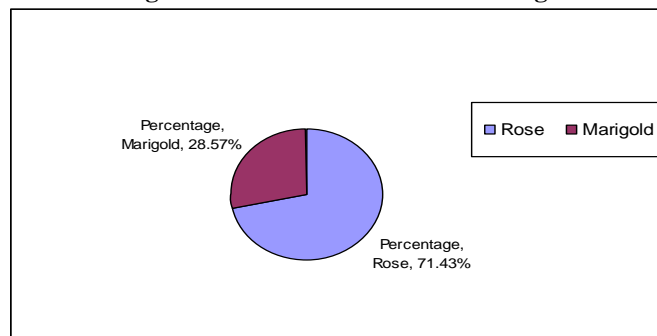
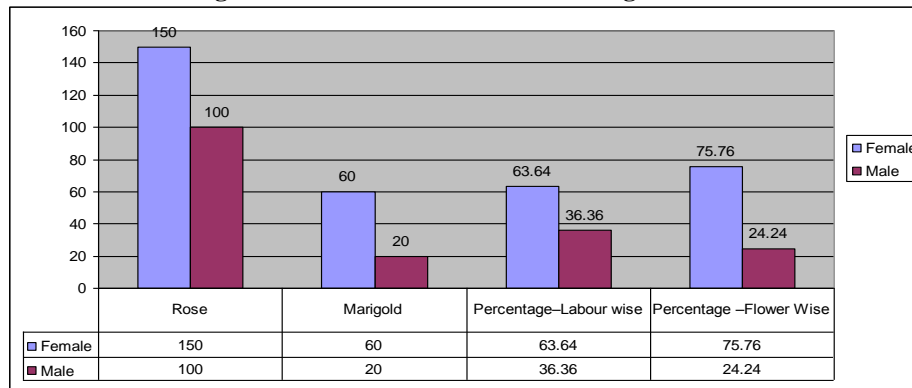


Table 2.

Labour involved in harveting of flower				
Labour	Rose	Marigold	total	Percentage–Labour wise
Female	150	60	210	63.64 %
Male	100	20	120	36.36%
Total	250	80	330	100%
Percentage –Flower Wise	75.76%	24.24%		100%

According to the study for rose harvesting 150 women and 100 men works and for marigold 60 women and 20 men works for marigold harvesting. Total 330 harvesters work for these flowers in which for study we select only 53 male and 53 female harvesters.

Figure 2: Labour involved in harveting of flower



IV. Conclusion:

This paper has been show that rose is costly flower then marigold where 210 female harvesters are working in compare of only 120 male for both flowers in Allahabad market by which they are getting high income. There is need of awareness about different hybrid verities of both flowers for farmer's to get better income which will also increase the fame of Allahabad city as well due high Tech labors technique, the labors also get recognized in India level means to say both the ways will improve harvesters qualities /technique National & International market which will result in getting high income from Rose & Marigold flowers.

References:

- [1]. **Gite L. P.** "Isometric strength of Women Agricultural Workers in Central India, Development in Agriculture and Industrial Ergonomics, volume II, Women at work," allied publisher Pvt. Ltd. (1) Pg. 81 to 85 (2007)
- [2]. **Haslkar Musculoskeletal** "disorder of the farm women while performing top dressing and fertilizer activity" **Journal of Human Ecology**, (2) 212:109-112 (2007)
- [3]. **Jatinder K** "Cutting and Uprooting Tasks of Hil Women Some Solutions, evlopment in Agriculture and Industrial Ergonomics, volume II, Women at work", allied publisher Pvt. Ltd. (3) Pg. 81 to 85. (2007)
- [4]. **Honarvar, M. Khosh-Khui, M. Javidnia**, "K Effect of some factors on quantity and composition of flower essential oil in Damask rose. Acta Horticulturæ". (4) 870, 249-254. 13 ref. **Journal article. Conference paper. (2010)**
- [5]. **Tixier, P. Salmon, F. Bugaud, C.** "Green-life of pink banana *Musa* spp., cv. Figure Rose Naine: determination of the optimum harvesting date". **Journal of Horticultural Science and Biotechnology.** (5) 85: 3, 167-170. 13 ref. **Journal article (2010)**
- [6]. **Yilmaz, D. Ekinci, K. Dilmacunal, T. Erbas, S.** "Effect of harvesting hour on some physical and mechanical properties of *Rosa damascena* Mill". **Journal of the Science of Food and Agriculture;** (6) 91: 9, 1585-1590. 22 ref. **Journal article (2011)**
- [7]. **Kohan, A. Borghae, A. M. Yazdi, M. Minaei, S. Sheykhdavudi, M. J.** "Robotic harvesting of *Rosa Damascena* using stereoscopic machine vision". **World Applied Sciences Journal;** (7) 12: 2, 231-237. 15 ref. **Journal article (2011)**
- [8]. **Dobрева, A. Kovatcheva, N. Astatkie, T. Zheljazkov, V. D.** "Improvement of essential oil yield of oil-bearing *Rosa damascena* Mill. due to surfactant and maceration". **Industrial Crops and Products.** (8) 34: 3, 1649-1651. **Journal article (2011)**
- [9]. **Gupta, Y. C. Gupta, R. K. Moona Dhiman, S. R** "Stability analysis of different biostimulant applications to flowering characters of rose *Rosa hybrida*) cultivar First Red". **Indian Journal of Agricultural Sciences.** (9) 82: 2, 106-111. 13 ref. **Journal article (2012)**
- [10]. **Rusanov, K. Kovacheva, N. Rusanova, M. Atanassov,** "I. Reducing methyl eugenol content in *Rosa damascena* Millrose oil by changing the traditional rose flower harvesting practices". **European Food Research and Technology;** (10) 234: 5, 921-926. 25 ref. **Journal article (2012)**
- [11]. <http://www.gardenguides.com/117401-marigold-flowers.html>
- [12]. <http://www.agricultureguide.org/planning-harvest-for-roses/>
- [13]. www.fragrantica.com/perfume/Givenchy/Harvest-2009-Very-Irresistible-Rose-Centifolia-8309.html