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# The New Year Brought New Gifts for Farmers: High Farming High Income (Latest Revolutionary Research for Manifold Increase in Farmers' Income 2024)

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Inspired by the pledge taken by the Honorable Prime Minister to double the income of the farmers, I thought that as a citizen, what contribution can I make to increase the income of the farmers. After serious thinking on this issue, I developed a new concept to increase the income of farmers manifold. I named this concept **"High Farming High Income"**. This research article is related to this. Since this matter is related to increasing the income of farmers, it is very important. If the crops given in this research article are planted in the main farming area, then the profit will be higher, if instead of being planted in the main fields, they are planted on the ridges of the fields or in the corners or even on the leftover land from the main crop, then still the income of the farmers will be higher. There will be a manifold increase. This is no less than a gift for the farmers in the new year. Therefore, please read this article and plant these species in your fields and tell everyone about this type of high farming high-income concept. These species are such that you can grow them in pots in your homes in the courtyard or even on the terrace.

## What is the concept of "High Farming High Income"?

In fact, today agricultural land is continuously decreasing, hence we have to grow such crops whose height can be increased so that maximum yield can be obtained from minimum cultivable space. For example, due to a shortage of land for housing, the height of buildings started increasing and multi-story buildings came into vogue. Today, apartments are being built not only in cities but also in small towns so that more and more people can live in less space. Keeping this example in mind, I started working on developing a new variety of ladyfinger as a sample under the concept of "High Farming, High Income".

## 1. The first species developed under the concept of "High Farming High Income" is "Maha Bhindi" (*Abelmoschus Esculentus* i.e Okra)

1. With three years of tireless work, I developed a variety of ladyfinger in which the ladyfinger plant grows 13 feet to 15 feet high whereas normally the ladyfinger plant is 4 to 5 feet high. Therefore I named this species "Maha Bhindi". See pictures 1 to 4.
2. A maximum of one and a half to 2 kg ladyfinger can be obtained from a normal ladyfinger plant in its entire life span but from "Maha Ladyfinger" developed by me, 7 to 8 kg ladyfinger can be obtained from a single plant. In this way, the income of farmers increases four to five times with this variety, and maximum utilization of agricultural land is achieved.
3. I sent the seeds of this "Maha Bhindi" to Pant Nagar Agricultures University in the spirit of the welfare of the farmers so that they can develop it and distribute its seeds all over India and this Maha Bhindi variety can be grown everywhere and increase the income of the farmers by 4 times. It can be increased by 5 times. I collected the seeds of this "Maha

Bhindi" from my garden in front of Professor BK Singh Ji, packed the dried ladyfingers seeds grown in Bhindi plants in a packet, and gave them to Professor B K Singh Ji of Pant Nagar University in Dehradun. Shri BK Singh handed over these seeds to the head of the Vegetable Department, Shri Dhirendra Kumar Singh for extension activity. See Figures:

**Status of growing this species all over India:** When I asked Shri Dhirendra Singh ji about the progress in developing these seeds and distributing them all over India, he said, "We grew these seeds here and the results were very encouraging. Based on these results, I (Mr. Dhirendra Kumar Singh ji) declared these seeds as AICRP material and sent the seeds all over India for the All India Coordinator Research Project. In this regard, I have sought a report from Gobind Ballabh Pant University of Agriculture and Technology. After receiving the report from them, I will share detailed information in this regard with my farmer .

**Technical details related to Mahabhindi:** The technical information related to Mahabhindi is as follows. This plant grows up to 15 feet high and each plant has 4 to 5 main branches. 12 to 15 ladybugs grow on each branch. The size of ladybugs is 9 to 10 inches and thickness is 8 to 9 centimeters. In this way, about 150 ladyfingers are grown from one plant. The overall weight of the yield from one plant is 7 to 8 kg whereas from the normal variety of okra, a maximum of 1 to 2 kg of okra can be grown from one plant.

## 2. The second variety developed under the concept of "High Farming, High Income" is "Maha Tomato" (*Lycopersicon lycopersicum*. It is also known as *Lycopersicon esculentum*)

After the success of the Maha Bhindi Project, I started the project of developing a new variety of tomatoes. In this project too, I had only one goal - how to get maximum income by growing tall plants from minimum space. With this objective in mind, I started experiments to develop a new tomato variety. After 3 years of testing, the Maha Tomato variety was finalized.

There was a need for verification of this plant, so I contacted the Chief Horticulture Officer of Dehradun, respected Meenakshi Joshi ji. She appreciated my efforts and said that these efforts to increase the income of farmers are commendable. Through her letter number 2363/ Miscellaneous/ 2023-24/dated 22-11-2023, She constituted a team for the verification of this plant in which 1. Shri Chandra Singh Pankholi, Senior Horticulture Inspector, Raipur,

2. Mrs. Nidhi Thapliyal, In-charge, . S . D . O., Dehradun, and 3. Dr. Ankit Tamta, Agriculture Scientist were members of the team. This team inspected and verified the plant of this new species on 29 November 2023. At that time the height of this tomato plant was about 10 feet and by then it had given a yield of 36 tomatoes. Six inches above its root, branches had grown which were flowering and ready to bear fruit. 5 tomatoes were growing in clusters on the top of this plant. Today, on December 29, 2023, the height of this plant has reached about 12 feet and till now 53 tomatoes have grown in it, 4 tomatoes are about to ripen and tomatoes have started growing again at a distance of six inches below. The first sapling of this plant was grown on 4-6-2021. After developing it, this present plant of the third year was grown in June 2023 and after three months it started giving fruits and is giving fruits to date. What will be the total yield will be determined when the plant stops bearing fruits or dries up completely.

This second phase of increasing the income of farmers has been completed and its seeds are now ready. I also want to give these seeds to any university agricultural institute or organization/organization engaged in the welfare of farmers so that they can be grown all over the country the income of the farmers can increase manifold and at least Farmers can get maximum income in less cultivable land.

### 3. The third species developed under the concept of "High Farming, High Income" is "Maha Canna" (*Canna indica*, it is also commonly called Indian shot)

The team of the Horticulture Department, Government of Uttarakhand also inspected and verified the flower plant named Canna. Normally this plant is 4 to 5 feet high, but this plant grown by me with a special method had also grown to about 12 feet high, it had big bunches of red flowers, and the width of the leaves was also about two feet. (Correct measurements are available with the Horticulture Department team). Since I had brought this plant from the nursery, the team of the horticulture department told me that this species must have been developed by someone else and hence it cannot be attributed to me. But he said that you have nurtured this small plant and made it such a huge plant, you should definitely get the credit for nurturing it. He appreciated the beauty of the plant and its vastness. After inspection, its height increased further. Now this plant is about 14 feet tall.

Even though this plant is not a species developed by me, I have nurtured it, and using my method, I have proved that by growing tall plants in farming, we can get maximum income from minimum land.

## 4. The fourth species developed under the concept of "High Farming, High Income" is "Gudmar" (*Gymnema Sylvestre*)

Under the above concept, I developed two species of vegetables (i.e. Maha Ladyfinger and Maha Tomato), one species of flowers, and two species of medicinal plants (Aromatic Plants). This is the fourth species developed by Gudmar. It is called Madhunashini in Sanskrit. This is a panacea for diabetes. If you chew a leaf in the morning on an empty stomach and drink a glass of water, diabetes will remain under control throughout the day and gradually the root will also be destroyed. People take medicines worth lakhs of crores of rupees and live with the risk of many side effects throughout their lives. You can live a happy life with just one leaf of this Gudmar. So I chose this plant under my high farming high income project. If farmers charge even one rupee per leaf, they can become rich. Normally this Gudmar plant is one to two feet in height. This Gudmar plant developed by me is 15 feet high. Now it is time for flowers and seeds to appear. I also want to give its seeds to the farmers for their welfare and to increase their income. Its seeds are yet to be verified and inspected before distribution. I am contacting the Medicinal Plants Center of Uttarakhand Government in this regard so that its correct certification can be done before distribution and these seeds reach the farmers properly. This plant reaches a straight height and becomes a canopy that has leaves, flowers, and seeds in abundance. The income of farmers will increase manifold due to their sales.

## 5. The fifth species "Maha Mandar" (*Calotropis gigantea*) developed under the concept of "High Farming, High Income"

This medicinal plant has many names like Mandar. Madar, Oak, Aak, Ark, Dard Mar, Akanda etc. This is such a spiritual plant in whose root you find the idol of Lord Ganesha. That is, its root is like the trunk and head of Lord Ganesha. Its flowers are offered to Lord Shiva. Lord Shiva loves this very much. This medicinal plant is a panacea for many diseases. If you want, you can use it as a pain reliever or it is also an effective medicine in the treatment of stomach diseases. It is effective in treating many diseases like digestion, toothache, knee pain, bent legs, cramps, fever, elephantiasis, backache, cancer, snake venom, etc. It is effective in many diseases like the treatment of snake poison, but take it only under the guidance of qualified Aayurvadic Doctor / Vaidya because it is also called a poisonous plant, it also contains poison. When planted in front of the house, it brings happiness, prosperity, wellbeing and joy, and being a divine plant, it eliminates negative energy and spreads positive energy all around. It removes all your obstacles and hindrances as it is dear to Lord Shiva and Ganapati. I chose this plant for my project. Its seeds are covered with soft fibers like cotton fibers, these fibers

can be used by farmers in many ways. The height of the Mandar plant is also usually a maximum of 10 feet to 12 feet, but the plant of Maha Mandar species developed by me reaches a height of 14 feet to 16 feet. My concept is that farming should be done vertically rather than horizontally. With this, maximum produce can be produced in minimum agriculture space. Its seeds are also ready to be distributed to the farmers. These seeds will be distributed after verification from the Medicinal Plant Centre.

## 6. The sixth species "Maha Lemon Grass" (*Cymbopogon flexuosus*) developed under the concept of "High Farming, High Income":

Maha lemon grass is very useful for increasing the income of farmers and is the easiest cultivation to increase the income. It is called Nimboo Ghass in Hindi. Lemon grass is generally a grassy plant of 3 to 4 feet in height. But this great lemon grass developed by me grows 5 to 6 feet high. It works as a great medicine among medicines. Boiling it and drinking it as tea increases immunity. This grass is very effective in the treatment of many diseases. It has many benefits in treating disease like fever, stomach ache, cramps, fungal infection inside the mouth, high blood pressure, vomiting, cough, joint pain, stress, and depression, reducing cholesterol, increasing red blood cells, reducing weight, purifying the blood, etc. It is used for the treatment of other diseases. It is rich in many minerals and protects against cancer. It can be harvested within 6 months of sowing, in which many long leaves (stem = long grass) emerge on the surface. You can uproot these stems, separate them, and plant them wherever you want, like paddy. The higher it is, the more beneficial it is. Two cups of tea can be made from a single leaf of long grass. In this way, it is very useful from the point of view of profit. A lot of profit can be earned by selling its grass in hotels. Can be used at home also. As soon as it is boiled in water, the color of the water turns light brown and a very strong lemon-like aroma of tea spreads all around, which greatly enhances the taste of the tea. This Maha Nibu Ghass is also available with me for distribution. I also want to give this to the farmers so that the farmers can increase their income.

## 7. The seventh species "Maha Lukat (Loquat)" (*Eriobotrya japonica*) developed under the concept of "High Farming, High Income":

Lucat is a type of fruit which is considered to be originally from China. It is known by many names like Biwa, Lokat, Loquat, etc. Earlier it was found in abundance in India but now it has become almost extinct. The new generation may not have even heard of its name and our new generation has no idea about its taste. This fruit was planted as an ornamental tree and also as a fruit tree. This tree can be grown easily. Generally, the tree is 12-14 feet tall but in favorable climates, it can grow up to 30 to 35 feet tall. This tree bears fruits after spring and before summer. In a city like Dehradun, during the fruit season, all types of fruits like mango, guava, apple, papaya, orange, etc. are sold for 40 to 50 rupees per kg, but the Lucat fruit is sold for up to 400 rupees per kg, the main reason for this is that only a few trees are left. This tree also has many medicinal uses. It is useful for the treatment of diseases like vomiting, diarrhea, and depression. Its flowers emit fragrance. It is very helpful in scenting the

environment. Therefore, I resolved to adopt this species also and it is currently in the second phase of development. Its seeds will also be available to the farmers.

**This concept should apply to all crops:** Given the continuous reduction in cultivable land, there is a need today to increase production by increasing the height of all crops. I first adopted this project and took it forward only after it became successful. This concept can be applied to any crop. Our agricultural scientists should come forward and join this movement with the changing times, there is a need to conduct the latest research in the methods of agriculture. By conducting experiments on seven species, I demonstrated that this concept is not an imagination but is a scientific reality. I have also got these plants inspected and verified by reputed government institutions so that no one anywhere can point a finger at this research. Despite having millions of qualities among the scholars/scientists of India, one shortcoming is that they are hesitant to accept the research or new effort done by any Indian scholar. If any Indian scholar has done any research then they look at it with suspicion. If the same research has been done by a foreigner, we believe it blindly. An Indian scholar has to prove his authenticity. That is why all the photographs related to this research are attached to this research. I have also given my brief introduction below so that if anyone wants to get more information in this regard, they can contact me.

## A Brief Introduction of the Author

Dr. Jayanti Prasad Nautiyal was born on 3 March 1956 in Dehradun. Dr. Nautiyal has retired from the post of Deputy General Manager at Union Bank of India and is residing in Dehradun. Dr. Nautiyal has established many national and world records. He has the distinction of being the most versatile talented person in the world. His resume is the largest and unique in the world. It is in 9 volumes and has 4851 pages. 5672 achievements of Dr. Nautiyal are recorded in it. Dr. Nautiyal has done 81 degree/diploma and certificate courses including MA, PhD, D Litt, MBA, and LLB. He has contributed to writing 90 books, most of his books are being used as text books and reference books in universities.

He has enriched Hindi literature with 2142 works. He has received 114 awards, honors, and prizes for Hindi language and literature. He has received 237 appreciation letters for his service work and research. He has represented 144 apex committees of the nation. His contribution in the field of research is also noteworthy, he has completed 175 research projects. He has given 717 lectures at national and international conferences. He has contributed to 185 types of intellectual works and has completed 25 types of extraordinary works. He has experience working in 75 types of professions/positions. To increase the income of farmers, they have developed many useful species under high farming high income. Their details are available on more than 1128 websites. It has been mentioned at 283 places in print media and 102 places in electronic media. Their details are available on other portals like Hindi Wikipedia, and English Wikitia. Dr. Nautiyal can be contacted at 9900068722 or dr.nautiyaljp@gmail.com