

The Fewer Use of Fertilizers Application- Success Story of Ms. Gurdev Singh Mann

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ARTICLE ID: 78

In village Bibipur, Kharar, in Mohali, Punjab, a farmer who owns just 5 hectares of land has managed to achieve incredible success in his wheat, rice, and sugarcane crops by using fewer fertilizers and pesticides.

This farmer, whose name is Sardar Gurdev Singh Mann, has been practicing sustainable agriculture techniques for several years now. Instead of relying heavily on chemical fertilizers and pesticides, he has been using organic and natural methods to improve the quality of his crops. Mann has been practicing organic farming for over two decades and has become a pioneer in the field. He believes that organic farming is beneficial for the environment and the health of consumers who consume organic produce. Mann's farm produces high-quality wheat, rice, and potatoes, all grown without the use of synthetic fertilizers or pesticides. He uses a combination of traditional knowledge and modern technology to enhance soil fertility and reduce wastage. He has also diversified into other crops such as sugarcane, maize, and vegetables, all of which are grown using organic methods. One of the techniques he uses is crop rotation, which involves planting different crops in the same field in different seasons. This helps to prevent the buildup of pests and diseases that can damage crops. In addition, he also uses green manure, which involves planting cover crops that are then plowed back into the soil to improve soil health and fertility. Another technique that this farmer uses is intercropping, which involves planting different crops in the same field at the same time. This helps to maximize the use of available resources and improves soil health by adding nutrients back into the soil.





By using these sustainable farming practices, the farmer has been able to increase his yields significantly. He now produces more wheat, rice, and sugarcane per hectare than many other farmers in the area who use more chemical inputs. In addition, his crops are of a higher quality and fetch better prices in the market.

Mann's farm is a model of sustainable agriculture, where the focus is on the long-term health of the soil, water, and ecosystem. He emphasizes the importance of preserving traditional knowledge and practices in agriculture, which he believes are essential for sustainable farming.

While an average farmer earns around Rs 25,000 to 40,000 per crop (less than Rs 1 Lac per annum) from wheat and paddy crops, Gurdev singh mann earns anywhere between 1.5 to 2 lakh per annum use of less fertilizer or pesticides. "For paddy, input cost and dependence on expert labour is high. In our fields, work is simple and usually I prefer giving employment to local village women," Gurdev singh mann said.

The benefits of this farmer's success are not limited to just his own farm. His techniques are also helping to improve the soil health and biodiversity of the surrounding areas, which is benefiting other farmers as well. In addition, by using less chemicals, he is helping to reduce the environmental impact of agriculture in the region.

Mann has been recognized for his efforts in promoting organic farming in Punjab and has received several awards for his contribution to the sector. He has also been invited to speak at several conferences and seminars to share his knowledge and expertise on organic farming.

Overall, this farmer's success story serves as an inspiring example of how sustainable farming practices can lead to increased yields and improved environmental outcomes. It is a reminder that we can all play a role in creating a more sustainable and healthy food system.

Message

"As we know, if the chemicals are brutal for the pests, then it will be harmful to nature as well, so keeping this in mind we should avoid using such things which can ultimately hit us back in the future. Moreover, most of the insects found, are friendly and killing them with the use of pesticides is bad for the crop as well as the environment. The farmer



should be aware of the friendly pests and enemy pests. And one of the most important things that matter is that if you are satisfied with your work then you can do anything.”

