



## Millets And Its Importance

<sup>1</sup>Dumpapenchala Vijayreddy and <sup>2</sup>Maram Bhargav Reddy

<sup>1</sup>Plant Pathology, School of Crop Protection

<sup>2</sup>Agronomy, School of Natural Resource Management

<sup>1,2</sup>College of Post Graduate Studies in Agricultural Sciences, Central Agricultural University (Imphal),  
Umiam, Meghalaya-793103, India.

### *Abstract*

A genus of small-seeded grasses known as millets have been grown for thousands of years in many parts of the world. They are regarded as a significant food crop for smallholder farmers in poor nations because they offer a rich source of nutrients, including fibre, minerals, and vitamins. The significance of millets to the world food system, their nutritional advantages, and their potential to address issues with food security are all covered in this article.

### **Introduction**

A genus of small-seeded grasses known as millets have been grown for thousands of years in many parts of the world. They are regarded as a significant food crop for smallholder farmers in poor nations because they offer a rich source of nutrients, including fibre, minerals, and vitamins. The significance of millets to the world food system, their nutritional advantages, and their potential to address issues with food security are all covered in this article.

Millets and Their Importance:

#### **1. Nutritional Benefits:**

The vital elements fibre, minerals, and vitamins are abundant in millets. They are suitable for those with celiac disease and diabetes because they are gluten-free and have a low glycemic index. Moreover, millets include phytochemicals and antioxidants, which have been associated with a reduced risk of chronic illnesses like cancer and coronary artery disease.

#### **2. Food Security:**

For smallholders in emerging economies, particularly in Africa and Asia, millets constitute a crucial food crop. They require less water and are more drought-resistant than other cereal crops, making them suitable for cultivation in areas with limited rainfall. Millets also have a short growing season and can be intercropped with other crops, providing farmers with multiple sources of income.



### 3. Sustainability:

Millets are considered to be a sustainable crop due to their low environmental impact. They require fewer inputs, such as fertilizers and pesticides, and can be grown using traditional farming methods. Millets also have a low carbon footprint, making them a viable option for reducing greenhouse gas emissions in agriculture.

### Conclusion

Millets are a valuable crop for addressing food security challenges and promoting sustainable agriculture. They are a rich source of essential nutrients and can be grown in diverse agro-climatic conditions. Millets are also suitable for smallholder farmers in developing countries, providing them with a source of income and food security. The promotion and consumption of millets can contribute to a more diverse and resilient global food system.

### References

- DeFries, R. S., Fanzo, J., Remans, R., Palm, C., & Wood, S. A. (2015). Global nutrition. Agriculture and food systems. In J. A. Foley, J. Hill, & D. Tilman (Eds.), *Global Environmental Change* (pp. 481-490). Wiley.
- Food and Agriculture Organization of the United Nations. (2020). Millets. Retrieved from <http://www.fao.org/millets/en/>
- National Institute of Nutrition. (2017). Nutritive value of Indian foods. Retrieved from [http://ninindia.org/NIN\\_Consumer\\_Handbook.pdf](http://ninindia.org/NIN_Consumer_Handbook.pdf)
- United Nations. (2019). State of food security and nutrition in the world. Retrieved from <https://www.un.org/sustainabledevelopment/wp-content/uploads/2019/07/SOFI-2019.pdf>
- Upadhyaya, H. D., & Ortiz, R. (2019). A century of genetic improvement in millets. In J. Arora, N. Chauhan, & P. Sharma (Eds.), *Millets and sorghum: Biology and genetic improvement* (pp. 19-37). John Wiley & Sons.