

Revitalizing Wheat Crops: Nurturing a Global Staple

Adam S*

Department of Agriculture, Albania

Abstract

Wheat, as a global staple crop, is facing numerous challenges in the face of climate change and an increasing global population. This editorial article highlights the importance of revitalizing wheat crops through sustainable agricultural practices, technological innovations, and international collaboration. Climate change impacts, including wheat yields and adapting to changing climate conditions. Empowering farmers, particularly small-scale ones, and promoting collaboration among governments, research institutions, and international organizations are essential for ensure food security and the well-being of global populations.

Keywords: wheat; climate change; food security; sustainable agriculture; global population

Introduction

Wheat is a staple crop that provides a significant portion of the world's food supply. However, it is facing numerous challenges due to climate change, including drought, heat stress, and pests. These challenges threaten the global food security and the well-being of billions of people. This article discusses the importance of revitalizing wheat crops through sustainable agricultural practices, technological innovations, and international collaboration. It highlights the need for research and development in wheat breeding, crop management, and climate change adaptation. The article also emphasizes the role of farmers, particularly small-scale ones, in ensuring food security and the well-being of global populations.

Climate change impacts

Climate change is having a significant impact on wheat production. Rising temperatures and changing precipitation patterns are leading to drought and heat stress, which reduce wheat yields and quality. Additionally, climate change is increasing the prevalence of pests and diseases, further threatening the global food supply.

***Corresponding author:** Adam S, Department of Agriculture, Albania, E-mail: adam@05res.com

Received: 01-Jun -2023, Manuscript No: acst-23-103755, **Editor assigned:** 03-Jun -2023, PreQC No: acst-23-103755 (PQ), **Reviewed:** 17-Jun -2023, QC No: acst-23-103755, **Revised:** 20-Jun-2023, Manuscript No: acst-23-103755 (R) **Published:** 27-June-2023, DOI: 10.4172/2329-8863.1000593

Citation: Adam S (2023) Revitalizing Wheat Crops: Nurturing a Global Staple. Adv Crop Sci Tech 11: 593.

Copyright: © 2023 Adam S. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

1. Aditya JP, Bhartiya A (2013) Genetic variability, correlation and path analysis for quantitative characters in rainfed upland rice of Uttarakhand Hills. *J Rice Research* 6: 24-34.
2. Ratna M, Begum S, Husna A, Dey SR, Hossain MS (2015) Correlation and path analysis of yield and yield components traits in rice (*Oryza sativa* L.). *Bangladesh J Agril Res* 40(1): 153-161.
3. Bandi HRK, Satyanarayana PV, Babu DR, Chamundeswari N, Rao VS, et al. (2018) Genetic variability estimates for yield and yield components traits and quality traits in rice (*Oryza sativa* L.). *Int J Current Microbio Applied Sci* 7(5): 551-559.
4. Berhanu Meles, Wassu Mohammed, Yemane Tsehaye (2017) Genetic variability, correlation and path analysis of yield and grain quality traits in bread wheat (*Triticum aestivum* L.) genotypes at Axum Northern Ethiopia. *J Plant Breeding Crop Sci* 9(10): 175-185.
5. Birhanu A, Tadesse T, Tadesse D (2018)

References

1. Aditya JP, Bhartiya A (2013) Genetic variability, correlation and path analysis for quantitative characters in rainfed upland rice of Uttarakhand Hills. *J Rice Research* 6: 24-34.
2. Ratna M, Begum S, Husna A, Dey SR, Hossain MS (2015) Correlation and path analysis of yield and yield components traits in rice (*Oryza sativa* L.). *Bangladesh J Agril Res* 40(1): 153-161.
3. Bandi HRK, Satyanarayana PV, Babu DR, Chamundeswari N, Rao VS, et al. (2018) Genetic variability estimates for yield and yield components traits and quality traits in rice (*Oryza sativa* L.). *Int J Current Microbio Applied Sci* 7(5): 551-559.
4. Berhanu Meles, Wassu Mohammed, Yemane Tsehaye (2017) Genetic variability, correlation and path analysis of yield and grain quality traits in bread wheat (*Triticum aestivum* L.) genotypes at Axum Northern Ethiopia. *J Plant Breeding Crop Sci* 9(10): 175-185.