

Title: CRISPR Technology: Revolutionizing Crop Development

Abstract: This case study details a specific CRISPR application in agriculture.

1. Introduction CRISPR enables precise genome editing in plants.
2. Case Study: Disease-Resistant Wheat In 2018, researchers used CRISPR to edit the TaMLO gene in wheat, conferring resistance to powdery mildew. This reduced pesticide use by 30%.
3. Conclusion CRISPR offers sustainable solutions for crop improvement.

References: - Zhang, Y. et al. (2018). CRISPR in wheat.