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STORAGE OF AGRICULTURAL PRODUCTS

Abstract: In the complex dance of agricultural production, the act of harvesting is only the beginning. An important point where the quality and quantity of the harvest is preserved for later consumption or future use. This important step depends on the art and science of agricultural preservation, where many techniques and methods come together to protect the bounty of the fields.

Key words: Agriculture, production, production, storage, fruits, vegetables, farmers, moisture, light, shelf life.

Introduction

At the heart of agricultural conservation is the need to reduce post-harvest losses. These losses, caused by factors such as spoilage, pests and mishandling, can have a significant impact on food security and economic sustainability. Therefore, farmers and stakeholders benefit from a spectrum of storage solutions tailored to the specific characteristics of their products.

Main part

Warehouses stand tall as foundations of mass storage. Often equipped with advanced climate control systems, these mammoth structures serve as safe havens for grains, legumes, and other bulk commodities. From tall silos to spacious warehouses, warehouses provide shelter from the elements while maintaining optimal conditions to prevent deterioration.

In the field of perishable products, cold storage dominates. Fruits, vegetables and dairy products are sheltered in refrigerated chambers, where low temperatures and controlled humidity slow the decomposition process. These refrigerated enclaves not only extend shelf life, but also facilitate global trade by taking seasonal produce beyond geographic boundaries.

Going underground, he finds the humble abode of root tombs. These underground shelters are a natural shelter for root vegetables, protecting them from light and temperature changes. In this cool, dark pan, potatoes, carrots and onions await their culinary fate, undisturbed by time.

Packaging emerges as a silent guardian in the fight against corruption. Whether it's breathable bags for grains or vacuum bags for delicate herbs, the right packaging can make the difference between freshness and spoilage. By creating a barrier against moisture, light and pests, packaging maintains the integrity of agricultural products throughout their journey from farm to fork.

However, storage isn't just about storage—it's about orchestration. Controlled atmosphere storage takes center stage, offering a symphony of precise conditions tailored to each crop's needs. By manipulating oxygen, carbon dioxide, and humidity levels, these chambers slow cooking, inhibit microbial growth, and extend the shelf life of delicate products.

Still, challenges remain among storage solutions. Access to modern storage infrastructure remains difficult for many smallholder farmers, leaving them vulnerable to post-harvest losses.

Furthermore, the specter of climate change looms large, disrupting traditional conservation practices and requiring adaptation to evolving environmental conditions.

Conclusion

From ancient granaries to state-of-the-art cold chains, agricultural products are underpinned by a never-ending quest to preserve them from field to fork. As we navigate the complexities of a changing world, the art and science of agricultural preservation are steadfast guardians of our crops, ensuring that the fruits of our labor will be passed down to generations to come.

References:

1. Ochilova , M. ., & Ergasheva , Y. . (2023). Ensuring Food Safety: Challenges and Strategies. *Academic Journal of Digital Economics and Stability*, 34, 112–114. Retrieved from <https://economics.academicjournal.io/index.php/economics/article/view/813>
2. Urinov Komil. (2022). The Main Problems With The Republic Of Uzbekistan's Banking System. *Journal Of Exercise Physiology*, 4. <https://doi.org/10.5281/Zenodo.6942024>
3. Komil, U. (2022). Development Of Digital Banking System In Uzbekistan. *Involta Scientific Journal*, 1(8), 69-72.
4. Komil, U. (2022). DEPOSITS HELD BY COMMERCIAL BANKS IN UZBEKISTAN. *European International Journal of Multidisciplinary Research and Management Studies*, 2(07), 64-75.
5. Komil, U. (2022). Bank Accounting and Audit. *Eurasian Scientific Herald*, 10, 16-18.
6. Urinov Komil. (2022). MANAGEMENT OF HUMAN RESOURCES IN THE BANK: ITS EXTENT AND COMPLICATIONS. *International Engineering Journal For Research & Development*, 7(4), 3. <https://doi.org/10.17605/OSF.IO/ZW762>