

POSTHARVEST MANAGEMENT OF FRUIT AND VEGETABLES

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What is post-harvest management of fruits and vegetables? Post harvest for fresh fruit, vegetables and root crops is a science created with the aim of: Reducing the level of weight loss after harvesting fruits and vegetables. Maintaining fruit and vegetable quality for the final consumer.

How do you maintain the postharvest quality of fruits and vegetables? Two of the most critical means for maintaining vegetable quality during postharvest handling are minimizing mechanical injury and managing temperature. Proper handling and temperature management will significantly reduce losses due to decay and accelerated senescence.

How do you treat postharvest fruit? Postharvest treatment include dipping fruit in hot water at 45 °C for 30 min (Jacobi et al., 2001); at 46 °C for 120 min in 'Tommy Atkins' (Mitcham and Yahia, 2009), a combination of hot water and hot air (Jacobi et al., 1996); washing fruit in one or several disinfectants or soap including Agral®, Cold Power® or Mango ...

What is the postharvest treatment? Agricultural produce are often treated with agricultural chemicals after they are harvested. This practice is known as 'post harvest chemical treatment'. The objective of post-harvest chemical treatments is to address pest and disease problems that may arise during the transport and storage of a commodity.

What are the 5 post-harvest operations? Apparently, it is possible to reduce loss of the produce during harvesting, threshing, cleaning, transporting, storage and preparation as human consumption and as animal feed.

How do you manage post-harvest? Threshing and winnowing Winnowing is then done to remove trash and avoid mechanical seed mixing. Keep the harvested grain in hermetic plastic bags properly tied to avoid seed mixing. Grain should be stored in clean containers at 12% moisture content to minimize damage by molds and storage insect pests.

What are the problems associated with fruits and vegetables during post harvest? Infection by disease-causing pathogens can occur in the field and/or through wounds during harvest. Under moist conditions or high humidity, these infections can develop into molds, rots, or other decay. Even produce destined for fresh market can develop postharvest diseases during short-term storage.

How to reduce post harvest losses of fruits and vegetables?

What are the factors affecting post harvest life of fruits and vegetables? The freshness of fruits and vegetables after harvest is controlled by water content, respiratory rate, ethylene production, endogenous plant hormones and exogenous factors such as microbial growth, temperature, relative humidity and atmospheric compositions.

How do you manage post-harvest diseases of fruit?

What are the stages of post-harvest? The postharvesting is divided into seven stages that involve: harvesting, threshing, drying, storage, processing, and packaging and transportation.

How do you store fruit after harvesting? Use plastic bags or clean air-tight containers and place them in the produce, or crisper, section of your refrigerator. Don't place heavy items on top of stored produce and regularly check for and discard any spoiled or moldy item.

What is the postharvest management system? Post-harvest management is a system of handling, storing, and transporting agricultural commodities after harvest. For some commodities such as coffee and cocoa, post-harvest activities may include drying and fermenting as well.

What are the most common postharvest diseases? The most important pathosystem of postharvest vegetables are gray mold (*Botrytis* spp.), white mold and watery soft rot (*Sclerotinia* spp.), cottony leak (*Pythium* spp.) and Sclerotium rot (*Sclerotium rolfsii*) [6].

How do you take care of postharvest? Fruit and vegetables are fragile and perishable, so poor storage post-harvest can result in losses. The field of post-harvest practices addresses issues of handling, sorting, grading, washing, storing, transportation, and temperature control for crops after harvest.

What is the post harvest treatment of fruits and vegetables?

What is the post harvest technique? Post harvest technology is inter-disciplinary "Science and Technique" applied to agricultural produce after harvest for its protection, conservation, processing, packaging, distribution, marketing, and utilization to meet the food and nutritional requirements of the people in relation to their needs.

What are the major post harvest losses? A late harvest, for example, can bring about losses from attacks by birds and other pests. Insufficient drying of grain can cause losses from the development of moulds and insects. Threshing can cause losses from broken grains and encourage the development of insects.

What does a post harvest manager do? Responsible for scheduling and performing all post-harvest activities including drying, shucking, trimming, and curing of flower and biomass.

What is an example of post harvest handling? Postharvest handling includes all steps involved in moving a commodity from the producer to the consumer including harvesting, handling, cooling, curing, ripening, packing, packaging, storing, shipping, wholesaling, retailing, and any other procedure that the product is subjected to.

How do you clean in post harvest? Step 1: Remove any obvious dirt and debris from the food contact surface. Step 2: Apply an appropriate detergent and scrub the surfaces. Step 3: Rinse the surface with clean water, making sure to remove all the detergent and soil. Step 4: Apply a sanitizer approved for use on food contact surfaces.

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What are the post-harvest factors of fruits and vegetables?

What is the post-harvest physiology of fruit and vegetables? Postharvest physiology is about the plant response to technologies and other applications that extend shelf life and quality and delay senescence (plant death).

What is the meaning of post-harvest? Meaning of post-harvest in English happening or existing after a harvest (= the activity of cutting and collecting crops): The aim is to minimize post-harvest crop loss. There is a postharvest ceremonial meal. They take great care with their produce, even post-harvest.

The Madonna of Excelsior: A Novel by Zakes Mda

Q: What is the novel about?

A: The Madonna of Excelsior is a socio-political satire that explores the complexities of post-apartheid South Africa through the eyes of a young woman named Nazareth. Set in the fictional town of Excelsior, the novel follows Nazareth's journey as she grapples with poverty, racism, and the legacy of apartheid.

Q: What is unique about the novel's protagonist, Nazareth?

A: Nazareth is a self-proclaimed "ghetto girl" who is both a victim and a symbol of the marginalized and disenfranchised in South African society. Her intelligence and resilience, coupled with her vulnerability and desperation, make her a compelling and relatable character.

Q: How does the novel address social and political issues?

A: Mda weaves sharp social commentary into the narrative, highlighting the ongoing struggle for equality and the continuing effects of racism and privilege in South Africa. The novel exposes the hypocrisy and corruption that permeate society, while also offering a glimmer of hope through the resilience and determination of its characters.

Q: What literary techniques does Mda employ in the novel?

A: Mda uses a mix of realism and magical realism to create a multilayered tapestry of South African life. The novel is written in a slang-infused vernacular that captures the authentic voice of the characters and the vibrant tone of the urban setting.

Q: What is the significance of the title, The Madonna of Excelsior?

A: The title is both literal and metaphorical. On the surface, it refers to a statue of the Virgin Mary that Nazareth finds in her neighborhood. However, it also alludes to the larger theme of motherhood and the suffering of women in South African society. The "madonna" is a symbol of both hope and despair, a testament to the resilience and fragility of the human condition.

Table of Learning Materials: Reading 7A, 2A (Kumon)

Introduction

Kumon, a leading provider of supplemental educational programs, offers a comprehensive series of learning materials to support students' academic development. Among these materials is the Reading 7A and 2A table, which provides a structured approach to reading comprehension.

Questions and Answers

What is the purpose of the Reading 7A, 2A table?

The Reading 7A, 2A table is designed to help students develop essential reading comprehension skills, such as:

- Identifying the main idea and supporting details
- Making inferences and drawing conclusions
- Summarizing information
- Understanding context clues

What is the format of the table?

The table consists of 120 short stories, each paired with a set of questions that target specific reading comprehension skills. The stories increase in difficulty as students progress through the table.

How does the table work?

Students read a story from the table and then answer the corresponding questions independently. Instructors or parents can review the student's work and provide feedback. The table encourages students to think critically, analyze information, and develop their reading comprehension abilities.

What are the benefits of using the Reading 7A, 2A table?

- Improved reading comprehension skills
- Enhanced critical thinking and problem-solving abilities
- Increased confidence and motivation in reading
- Preparation for standardized tests and higher academic levels

How do I purchase the Reading 7A, 2A table?

The Reading 7A, 2A table can be purchased from authorized Kumon centers or through online retailers. The cost of the table varies depending on the retailer.

Mamvrs: Exploring the Solar System, 8th Edition

The Mamvrs system is a comprehensive educational resource that provides students with a wealth of information about the solar system. This article presents a series of questions and answers derived from the 8th edition of Mamvrs, offering a deeper understanding of planetary science.

1. What are the terrestrial planets? Answer: The terrestrial planets, also known as the inner planets, include Mercury, Venus, Earth, and Mars. They are characterized by their rocky composition, solid surfaces, and relatively small sizes.

2. What is the largest planet in the solar system? Answer: Jupiter is the largest planet in the solar system, both in mass and volume. It is a gas giant composed primarily of hydrogen and helium.

3. What is the hottest planet in the solar system? Answer: Venus is the hottest planet in the solar system, with a surface temperature of around 864 degrees Fahrenheit (462 degrees Celsius). This extreme heat is caused by the planet's thick carbon dioxide atmosphere, which traps heat like a greenhouse.

4. What is the unique characteristic of Uranus? Answer: Uranus is known for its axial tilt of 98 degrees, causing it to have extreme seasonal variations. Its rotation axis is almost parallel to its orbital plane, leading to long periods of darkness and sunlight at its poles.

5. What is the composition of asteroids? Answer: Asteroids are rocky bodies that range in size from small pebbles to hundreds of kilometers in diameter. They are primarily composed of silicate minerals, such as pyroxene and olivine, and some contain metals like iron and nickel.

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