

# POST HARVEST TECHNOLOGY AND VALUE ADDITION IN FRUITS

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**Why is post harvest technology important in fruits?** Harvested fruits and vegetables require adequate and advanced postharvest processing technologies for minimizing the qualitative as well as quantitative losses after harvesting. Nearly 40% fruits and vegetables are wasted every year due to improper handling, storage, packaging, and transportation.

**What is value addition in post harvest technology?** Value addition is a strategic approach in post-harvest management that involves enhancing the quality, market value, and economic potential of agricultural products, such as fruits and vegetables.

**What are the main objectives of applying postharvest technology to fruits and vegetables?** The three main objectives of applying postharvest technology to harvested fruits and vegetables are: to maintain quality (appearance, texture, flavor and nutritive value) to protect food safety, and. to reduce losses between harvest and consumption.

**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).

**Why is value addition important in fruits and vegetables?** ADVANTAGE OF VALUE ADDITION Reduction in post harvest losses. More availability of food. Meeting dietary requirements.

**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.

**What is value added fruit?** Value added products are raw agricultural products that have been modified or enhanced to have a higher market value and/or a longer shelf life. Some examples include fruits made into pies or jams, meats made into jerky, and tomatoes and peppers made into salsa.

**What is an example of value added crops?** Examples of value added agricultural products include garlic braids, bagged salad mix, artisan bread, lavender soaps and sausages.

**Why is value addition important?** Value-added is the additional features or economic value that a company adds to its products and services before offering them to customers. Adding value to a product or service helps companies attract more customers, which can boost revenue and profits.

**Why is processing and value addition important?** Value addition is the process in which for the same volume of a primary product, a high price is realized by means of processing, packing, upgrading the quality or other such means. Value addition is one of the important components of nutritional security.

**What are the five post-harvest operations?**

**What are the steps of post-harvest technology?** Types of postharvest processing ? Technical activities: harvesting, field drying, threshing, cleaning, additional drying, storage, processing; ? Economic activities: transporting, marketing, quality control, nutrition, extension, information and communication, administration and management.

**What are the post harvest factors affecting quality of fruits and vegetables?** Environmental Factors (Biotic and Abiotic): Temperature Physical damage Pathogens Relative humidity Atmospheric composition Light Gravity Rodents and other animals Contamination Water loss causes lowering of quality, appearance (wilting, shriveling), texture (reduced crispness, juiciness), nutritional quality etc.

**What are the problems associated with fruits and vegetables during post harvest?** Infection by disease-causing pathogens can occur in the field and/or

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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.

**What are physiological post harvest disorders of fruits and vegetables?** Flesh browning, flesh mealiness, black pit cavity, flesh translucency, red pigment accumulation (bleeding), and low flavor. These symptoms normally appear after placing fruit at room temperature, while some ripening is occurring, following cold storage.

**How can value be added to fruits?** Preserving fruit to enjoy its flavour throughout the year is therefore very important to avoid wastage and increase income. The simplest ways of preserving fruit are by drying, juicing and making jams or chutneys.

**What is value addition in post-harvest?** On the Other hand, Value Addition in Horticulture is the process in which a high price is realized for the same volume of a primary product, by means of processing, packing, upgrading the quality or other such methods. For example: Making Jam of Pomegranate and Strawberry.

**What are value addition techniques?** The value-added selling technique is defined as selling a product by including incentives or other perks. It involves dynamic product positioning, where you highlight the parts of your product and company that matter the most to your particular audience. You cater your message to your potential customers.

**Why is post-harvest technology important in fruits and vegetables?** Importance of Post Harvest Technology Post-harvest technology provides effective solutions to minimize these losses, ensuring that more of the food produced reaches consumers. Post-harvest technology plays a critical role in maintaining and enhancing the quality and safety of food products.

**How to reduce post harvest losses of fruits and vegetables?**

**How do you manage post-harvest diseases of fruit?**

**Why is harvesting and post harvesting important?** Harvesting refers to the process of gathering mature crops from the field, while post-harvest handling involves activities such as sorting, cleaning, grading, packaging, and storage.

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Understanding these terms and their significance is essential for ensuring optimal crop quality and market value.

**What is the post-harvest handling of apple fruit?** After the harvest, all the fruits are washed to remove the latex, sooty mould and surface debris. Fruits free from defects should be sorted out and the remaining fruits are graded according to their colour and size. Packaging : Normally the apples are packed in cartoon with lids.

**What are the causes of post-harvest losses in fruits and vegetables?** Storage Pests and disease attacks, spillage, contamination; natural drying out of food 5. Primary processing, cleaning, classification, hulling, pounding, grinding, packaging, soaking, winnowing, drying, sieving, milling Process losses; contamination in process causing loss of quality.

**What is post-harvest technology for food preservation?** Postharvest technology involves all treatments or processes that occur from time of harvesting until the foodstuff reaches the final consumer. Efficient techniques for harvesting, conveying/transportation, handling, storage, processing/preservation, packaging, marketing and utilization etc.

### **Toshiba Aplio 400 Manual: Common Questions and Answers**

**Q: Where can I download the user manual for the Toshiba Aplio 400 ultrasound system?** A: The official Toshiba Aplio 400 user manual can be downloaded from the Toshiba website or from authorized distributors.

**Q: What are the key features of the Toshiba Aplio 400?** A: The Aplio 400 is a high-performance ultrasound system with a wide range of imaging capabilities, including 2D, 3D, 4D, and Doppler imaging. It is known for its excellent image quality, advanced imaging technologies, and user-friendly interface.

**Q: How do I troubleshoot common issues with the Aplio 400?** A: The user manual provides detailed troubleshooting instructions for various issues. It is advisable to refer to the manual or contact an authorized service technician for technical assistance.

**Q: What is the recommended maintenance schedule for the Aplio 400?** A: Regular maintenance is crucial to ensure optimal performance and longevity. The

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manual outlines specific maintenance procedures and schedules for daily, weekly, monthly, and annual servicing.

**Q: How do I access the advanced imaging features of the Aplio 400?** A: Advanced imaging features, such as Contrast Harmonic Imaging (CHI) or Shear Wave Elastography, require specific probe selection and configuration. Refer to the user manual for detailed instructions on how to activate and optimize these features.

## **Time Management 102: Ultimate Strategies for Self-Discipline, Productivity, and Organization**

Time management is a crucial skill for anyone who wants to achieve their goals and live a productive life. But with so many distractions and demands on our time, it can be tough to know where to start. Here are 102 ultimate strategies for self-discipline, productivity, and organization to help you get shit done and overcome procrastination:

### **1. What is the best way to overcome procrastination?**

- Break down large tasks into smaller, more manageable steps.
- Set specific deadlines for each task.
- Reward yourself for completing tasks on time.
- Avoid distractions and focus on one task at a time.

### **2. How can I improve my self-discipline?**

- Set clear goals and write them down.
- Develop a daily routine and stick to it.
- Say no to non-essential tasks.
- Hold yourself accountable for your actions.

### **3. What are some tips for increasing productivity?**

- Use a to-do list or planner to keep track of your tasks.
- Prioritize your tasks based on importance and urgency.
- Take breaks throughout the day to avoid burnout.

- Delegate tasks when possible.

#### **4. How can I get organized and stay that way?**

- Declutter your workspace and home.
- Create a system for organizing your files and belongings.
- Establish routines for cleaning and organizing.
- Use technology to your advantage with tools like calendars, reminders, and note-taking apps.

#### **5. What are some tricks for achieving your goals?**

- Set realistic goals and break them down into smaller steps.
- Visualize yourself achieving your goals.
- Stay motivated by surrounding yourself with positive people.
- Never give up on yourself, even when things get tough.

Remember, time management is a skill that takes time and practice to master. By implementing these strategies, you can improve your self-discipline, productivity, organization, and overall success.

### **Schema Impianto Elettrico smart 451: Domande e Risposte**

La smart 451 è un veicolo elettrico compatto noto per la sua efficienza e agilità. Il sistema elettrico svolge un ruolo cruciale nelle prestazioni e nel comfort di questa vettura. Di seguito sono riportate alcune domande e risposte comuni sullo schema dell'impianto elettrico della smart 451:

#### **1. Quali sono i componenti principali dell'impianto elettrico della smart 451?**

L'impianto elettrico della smart 451 comprende la batteria, il motore elettrico, il caricabatterie, l'inverter, il cablaggio e diversi moduli di controllo. Questi componenti lavorano insieme per alimentare il motore, gestire la carica e fornire funzionalità elettriche come finestrini elettrici, luci e climatizzazione.

#### **2. Dove posso trovare lo schema dell'impianto elettrico per la mia smart 451?**

Lo schema dell'impianto elettrico della smart 451 è disponibile nel manuale di assistenza del veicolo, generalmente fornito con l'acquisto della vettura. È anche possibile scaricarlo dal sito web del produttore.

### **3. Perché ho bisogno di conoscere lo schema dell'impianto elettrico della mia smart 451?**

La conoscenza dello schema dell'impianto elettrico può essere utile per la risoluzione dei problemi, la manutenzione e le modifiche. Può aiutare a individuare malfunzionamenti, tracciare fili e componenti e comprendere come sono interconnessi diversi sistemi elettrici.

### **4. Quali sono alcuni suggerimenti per leggere e comprendere lo schema dell'impianto elettrico della smart 451?**

Per leggere e comprendere lo schema dell'impianto elettrico, è importante familiarizzare con i simboli elettrici, le convenzioni di denominazione e il flusso di corrente. Tracciare i percorsi dei cavi e identificare i componenti aiuta anche a visualizzare il sistema.

### **5. Sono in grado di riparare da solo lo schema dell'impianto elettrico della mia smart 451?**

Sebbene sia possibile riparare alcuni problemi elettrici di base, la riparazione di problemi elettrici complessi viene generalmente lasciata ai meccanici qualificati. La riparazione scorretta del sistema elettrico può comportare rischi per la sicurezza e danni al veicolo.

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