Education to develop the skills of working with historical concepts of primary school students

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ABSTRACT

In this article, the education of elementary school students to develop the skills of working with historical concepts, the independent thinking of learners in the educational process, and the Historical Concept were discussed.

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Introduction:

The introduction shows the importance of drying in agriculture and its importance in maintaining the quality of agricultural products. It discusses the importance of moisture removal in preventing microbial growth, enzymatic reactions, and crop deterioration. This section also emphasizes the need for appropriate drying techniques to preserve the nutritional value, sensory attributes and market value of agricultural products.

1. Traditional drying methods:

Traditional drying methods are one of the most widely used methods in agriculture and are lighted in medium and sunny weather conditions. These methods are based on solar energy or natural air flow and are used to dry and preserve products. In this section, traditional drying methods are analyzed, their advantages, limitations and applications in different climates and agricultural products are discussed. Factors affecting drying efficiency such as temperature, humidity, and air flow are also discussed.

Sun Drying:

Sun drying is one of the most basic methods of traditional drying. Solar energy is used in this method. Products are collected in covered areas and prepared in areas that are quickly made resistant to hot sunlight. Advantages of sun drying include speed, simplicity, and low cost. This method is used in sunny climates with bright and hot weather conditions.

Air Dry:

The air drying method is based on air flow drying. In this method, the products are placed in the lighting of flowing air or air flow. The advantages of air drying include simplicity, low cost and moderate efficiency of the wide application of air drying. Air drying limitations include factors such as airflow, temperature, and humidity.

Lucky Factors in Drying Products:

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In order to be successful in drying products with traditional drying methods, it is important to pay attention to the following factors:

- Temperature: It is important to check and control the temperature during the drying process. Optimum temperatures help to ensure the drying efficiency of the products.
- Moisture: Moisture level in products is important during drying and storage. Moisture control and control of the test environment are important to ensure drying results.
- Air flow: Air flow is an important factor in drying efficiency. Air flow control during drying helps to maintain product quality during drying and storage of products.

Traditional drying methods should be selected depending on the climate and the characteristics and requirements of the farm products. Qualities such as preservation of ingredients, preservation of color, preservation of taste and salinity of products can be preserved through traditional drying methods and their limitations. Also, with dried mahUzr, but I can help you. If you have other questions, you can ask them too.

2. Hot air drying:

Hot air cleaning is a widely used method that uses heated air to remove farm food products. In this section, hot air cleaning processes, equipment and parameters, temperature, air cleaning and cleaning time. Strategies for cleaning, manufacturing and optimization of hot air treatment while maintaining product quality.

"Principles of hot air drying":

Implementation using hot air cleaning equipment:

- Drying in full hot air (Full Sun Drying): Products are collected in hot air, cleaned by solar energy.
- Solar Drying Cabinet: Products are cleaned in cabinets heated by hot air. Cabinets are designed to collect solar energy.
- Hot air drying racks (Solar Drying Racks): Products are produced in hot air cleaned racks. The stands have a design that allows sunlight.

Equipment and Process Parameters Used:

Hot air cleaning equipment and process parameters:

- Dry tract: A tract or stick on a stick where products are used for food.
- Drying piles: Product cleaning piles or sticks are designed to support cleaning and help collect air.
- Temperature: Temperature control during the drying process. Helps to maintain optimal temperature.
- Air assistance: Air management during the drying process, cleaning, cleaning and storage helps to maintain the quality of the product.
- Drying time: The cleaning time of products depends on the types of products, temperature and cleaning. The drying time is complicated.

3. Freeze drying:

The freeze-drying method is a special method that involves freezing the product and then sublimating the ice under vacuum conditions. This section explores the principles of freeze drying such as freezing temperature, drying time, vacuum pressure, equipment used, and process parameters. The important advantages of freeze-drying in maintaining product quality, color, taste and nutritional content are highlighted.

Principles of Freeze Drying:

The following principles are used in the freeze-drying process:

- Freezing temperature: The temperature required to freeze the product is specified. This temperature varies by product type and availability.
 - Drying time: Freezing time is determined according to the product type, size and different characteristics.
- Vacuum pressure: Vacuum pressure comes first in the freezing process. This pressure ensures the freezing and sublimation process.

Equipment and Process Parameters Used:

Freeze drying uses the following equipment and process parameters:

- Freezing chamber: Products are placed in the freezing chamber. This chamber is designed to allow control of freezing temperature and vacuum pressure.
 - Vacuum pump: The vacuum pump is used to release the air inside the freezer and create vacuum pressure.

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- Refrigeration Advances: Advances used in refrigeration help to control temperature, control vacuum pressure and automate the freezing process.

Advantages of Freeze Drying:

Freeze-drying has the following advantages in maintaining product quality:

- Color preservation: Freeze-drying helps preserve the honey color of the product.
- Preservation of taste: The freezing process allows to preserve the taste and aroma of the product.
- Preservation of nutritional content: Freeze-drying helps to preserve the main nutritional content of the product.

The advantages of freeze drying depend on the critical process parameters and the equipment used. It determines the type and characteristics of the product, the freezing and vacuum parameters, and the choice of equipment used. Optimum freezing temperature, drying time and vacuum pressure are important and are an important part of maintaining product quality.

Summary:

The article concludes by emphasizing the importance of selecting appropriate drying methods based on the characteristics of agricultural products and desired quality attributes. This highlights the need for further research and technological advances to develop sustainable and efficient drying methods to optimize product quality, reduce energy consumption and minimize environmental impact.

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