

## You probably have a lot of questions...

What is "value-added"?

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- Who can help me?
- Is there a training I can do to help me get started?
- What do I need to know about food safety?
- How does this work in Virginia?







## The government has a definition for it

A "value-added agricultural product" is

A "value-added agricultural product" is
"Any Agricultural Commodity produced in the U.S. (including the Republic of Palau, the Federated States of Micronesia, the Republic of the Marshall Islands, or American Samoa), that meets the requirements specified in paragraphs (1) and (2) of this definition.
(1) The Agricultural Commodity must meet one of the following five value-added methodologies:

(i) Has undergone a Change in Physical State;
(ii) Was Produced in a Maner that Enhances the Value of the Agricultural Commodity;
(iii) Is Physically Segregated in a maner that results in the enhancement of the value of the Agricultural Commodity;
(iv) Is a source of Farm- or Ranch-based Renewable Energy, including E-85 fue; or
(v) Is as guregated and marketed as a Locally-Produced Agricultural Food Product.
(2) As a result of the Change in Physical State or the marketing, processing, or physical segregated on the Agricultural Commodity was produced, "marketed," or segregated and
(i) The customer base for the Agricultural Commodity is expanded and
(ii) Agreet protino of the revenue Gerived from the marketing, processing, or physical segregation of the Agricultural Commodity is expanded and

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Source: 7 CFR 4284.922(a)



## What is a value-added methodology?

- The product must be made in at least one of these ways:
  - · Change in physical state · Produced in a way that enhances value
  - Physically segregated in a way that enhances value
  - · Is a source of farm- or ranch-based renewable energy
  - Aggregated/Marketed as locally-produced agricultural food product

## Change in physical state

#### What it is

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 Irreversible processing activity

- Examples Fish fillets
- · Diced tomatoes
- · Bio-diesel fuel
- Cheese
- Jam Wool rugs

#### What it isn't

 Postharvest process that primarily works to preserve the product for later sale Virginia Cooperat

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- Examples
  - Pressure-ripened produce Raw bottled milk
  - · Container grown trees
  - Young plants, seedlings, plugsCut flowers

#### Produced in a way that enhances value What it is What it isn't Recognizably coherent set of agricultural practices in the

- growing or raising of the raw commodity that results in a different market identity • Examples:
- Sustainably grown apples
  Eggs produced from free-range chickens
- Organically grown carrots





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### Physically segregated in a way that enhances value

What it isn't

#### What it is

- Separation on the same farm from other varieties of the same commodity/product on the same farm during production/harvesting with assurance of continued separation during processing and marketing Examples
  - Non-GMO corn separated from GMO corn
- · Nothing listed in the definition to explain what would not count in this category

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### Source of farm-/ranch-based renewable energy

#### What it is

 Used to generate renewable energy on the farm or ranch on which the commodity is produced and the producer can show expanded consumer base and

increased revenue Examples Biodiesel fuel

#### What it isn't

- · On-farm generation of energy from Wind
  - Solar
  - · Geothermal sources
  - Hydro sources

## "Locally-Produced Agricultural Food Product"

#### What it is

- An agricultural food product that is raised, produced, and distributed in
  - Locality/Region in which final product is marketed so that total distance product moved is less than 400 miles from product origin or Non-harvested plants Fiber
    - · Medicinal products Cosmetics
- State in which product is produced Examples
  - Raw, cooked, or processed edible substances, beverages, or ingredients intended for human consumption
- Tobacco products Narcotics

What it isn't

Animal feed

Live animals













## What resources are available to me to help me with my food business?

• VaABC

- VDACS
- VDH
- Virginia Farmers Market Association
- Virginia Specialty Food Association
- Virginia Tech and Virginia Cooperative Extension

and more!





















	Is there a training I can do to help me get started?	
o		Virginia Cooperative Extension









## Food safety is all about...

Preventing food safety **hazards** from entering a food **product** or **environment** to minimize the **risk** of causing **illness** or **injury** as a result of consumption

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## Hazards and risk

• Hazard: biological, chemical, or physical agent that could cause illness or injury

• Risk: the likelihood of a hazard causing an illness or injury



## How can I manage food safety hazards?

#### 1. Prevent a hazard

· Keep it from entering a food product, ingredient, or environment

#### 2. Reduce a hazard

• Reduce the amount in a product, ingredient, or environment to an acceptable level

#### 3. Control a hazard

• Keep from getting worse (e.g., growth)

## Examples of hazard **PREVENTION**

Antibiotic treatments
Employee hygiene (prerequisite programs)

Food safety programs (like Seafood HACCP)

Sanitation (cleaning and sanitizing)



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## Examples of hazard REDUCTION

- Cooking/Heat (not available in raw products)
- Fermentation (pH)
- Non-thermal processing (e.g., high pressure)
- Pressure canning



## Examples of hazard CONTROL

- Preservatives
- Prevent cross-contamination of product, equipment, etc.
- Salt
- Sanitation (cleaning and sanitizing)
- Temperature control
- Water activity control



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## A note about foodborne pathogens

- In general, pathogens need to grow/replicate to be able to make someone sick
- However, sometimes pathogens that aren't growing but are present in high enough numbers can still make someone sick
   Pathogens can make you sick in one of three ways:
- 1. Infection
  - Eating the pathogen is what makes me sick
- Intoxication
  The pathogen grows in a food, produces a toxin, and eating the toxin makes me sick
- 3. Toxicoinfection
  - I eat the pathogen, the pathogen grows in me and produces a toxin, and the toxin produced in my body makes me sick



## Controlling these factors can keep your product safe

#### Intrinsic

- Related to the food product or ingredient itself
  Inside the food product
- Examples:
- Acidity (pH)
- Moisture content
- Nutrient content
- Water activity
- Extrinsic • Related to the environment the food product or ingredient is in • Outside the food product • Examples: • Atmosphere/Packaging • Time • Temperature
  - Relative humidity

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## Controlling these factors can keep your product safe

#### Food (nutrients)

The nutrients in a food product are not typically used as a factor that is controlled to make food safe because if it doesn't have nutrients, it isn't food, and we don't eat it







# Controlling these factors can keep your product safe...with examples

Time

Holding/Serving time
Shelf-life





Temperature

Baking/Cooking

Cooling

Drying with heat

• Freezing

HeatingHolding/Serving temperature



# Controlling these factors can keep your product safe...with examples

Oxygen

Packaging

- Canned/Hermetically sealedModified atmosphere
- Perforated
- Reduced Oxygen Packaging (ROP)



# Controlling these factors can keep your product safe...with examples

Moisture (water activity)

- Drying
- Freeze drying
- Some baked goods
- "Water activity controlled"













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### Virginia Food and Drink Law

- Food establishments, including private homes, that manufacture, process, pack, or hold food for sale
- Must be inspected prior to operating
- Typically, you must also take food safety training that covers material included in the rule
- The goal of the regulation is to make sure only safe food is sold to consumers

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- Sanitary requirements
- Adulteration, misbranding, and false advertising requirements
  Seizures, prosecutions, penalties, and enforcement requirements
- Seizures, prosecutions, pena
   Hemp extract requirements











## Virginia's Home Kitchen Food Processing Exemptions

- If you are producing a food in your private home that you hope to sell, you may be exempt from VDACS inspection if the food is:
  - Low Risk Acidified
  - Honey
- There are some additional requirements and restrictions • No online sales



# Virginia's Home Kitchen Food Processing Exemptions

If you would like to make and sell a value-added product out of your private home kitchen and utilize the exemption from inspection, you cannot sell these products online.

> If you want to sell these products online, you must be inspected prior to selling your product(s) and cannot utilize the Home Kitchen Food Processing Exemption from inspection

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