Market Analysis

Value-Added Food Processing Opportunities at the Carver-Piedmont Agricultural Institute Culpeper, Virginia

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TABLE OF CONTENTS

Acknowledgements

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Executive Summary

The George Washington Carver Food Processing Market Analysis is the result of an evolving partnership between local and regional governments, non-profit agricultural-focused stakeholders, agriculture experts, and training providers. The analysis was undertaken to determine whether creating a food enterprise center in Virginia's Northern Piedmont would foster job creation, benefit local farmers and producers, and generally improve the quality and quantity of local food availability. This analysis was funded by a private foundation, with additional support from the Virginia Department of Housing and Community Development, through the Building Collaborative Communities Program.

Key findings include:

- There is a producer-driven demand to meet increasing consumer markets for commercial value-added food processing, based on a five-county producer survey. In the absence of infrastructure to meet this demand, producers are not able to gain additional profit from their crops.
- Small-scale producers expressed need for support services in order to succeed in manufacturing and marketing their products, with a focus on learning how to process food; meet food safety and other regulatory requirements; develop recipes; prepare business plans; pricing, labeling and marketing their products; and product distribution.
- There was a wide range to the products that farmers and producers are interested in developing, from jams and jellies to fruit juices, further processing of meats (jerkies, smoked meats, sausages, chicken stock), Bloody Mary mix, yogurts and cheeses, baked and canned goods, medicinal and culinary herbs, soaps and lotions.
- Many growers expressed willingness to scale up their current production and/or add new crops to meet demand. Cooperatives and produce aggregation were identified as additional ways to meet increased supply needs.
- Institutional buyers indicated interest in expanding procurement of local foods, and to participate in regional, local food education programs. They also see a need for providing nutritional information and counseling to seniors and others.
- The chosen site is well located within the regional area of focus. The physical size and infrastructure of the existing school building is more than adequate to meet the needs of a food processing center, assuming upgrades are made to the well, waste water treatment system, electrical, heating and cooling. The site offers space for dry storage, cold storage and flash freezing, as participants requested. The site also offers transportation access and proximity to large population centers.
- An ancillary benefit of the Carver Center location is the strong interest and enthusiasm for rehabilitation of the former school as a vibrant agricultural center. Support from Culpeper County, the facility's current owner, is important, and is evidenced by an application by the County for Brownfields Remediation funds in November 2015, including the allocation of additional funds to provide rehabilitation to classroom and office space at the entrance to the school. In

addition, a major strength of this project is the interest and support of other local governments, farmers, producers, and social service organizations from across the region.

In summary, we have determined that creation of a food processing center, including a commercial kitchen, a food aggregation center, a business incubator, and related training, can become economically viable, strengthen the local food system, help address the need of food insecure families, create jobs, inform and encourage healthier food choices, and especially provide Virginia's farmers with a fair, local market for specialty and other crops. We have concluded that this Center, if developed in phases, will be a valuable, sustainable, infrastructure component of Virginia's Northern Piedmont local food and agricultural network

This document builds on other reports developed during the initial feasibility study effort by VAFEC, GWCARC, RRRC, and other project partners. These reports can be accessed on the RRRC website (http://www.rrregion.org/publications.html) and include:

- **Carver-Piedmont Agricultural Institute Facility Assessment**: Completed by Spectrum Design, P.C., this report assessed the existing facility at the former G.W. Carver-Piedmont Technical Center and provided recommendations and preliminary estimates for use of the facility for food processing, agriculture education and training purposes.

- **Carver-Piedmont Agricultural Institute Food Incubator Financials and Conceptual Plan**: Completed by Union Kitchen, D.C., a kitchen incubator operator with two locations in Washington, D.C. This plan provides an overview of management operations and strategies, financial and budgetary projections, branding and marketing strategies, and workforce and social enterprise opportunities for the kitchen incubator in the region.

  Union Kitchen also provided consulting materials related to equipment needs, floor and space planning, educational and instructional materials for managing

food-processing entrepreneurs and businesses, and strategies and partnership opportunities for developing and entering larger retail markets.

- **Agriculture-Based Education, Training, and Research Opportunities for the Carver-Piedmont Agricultural Institute**: Completed by RRRC, RRRC's Agriculture Working Group (Management Team), and Virginia Cooperative Extension as part of activities funded through the Building Collaborative Communities grant from the Virginia Department of Housing and Community Development, this document provides an inventory of existing agriculture education, training, and research programs in the Rappahannock-Rapidan region, and assesses the overall opportunities for targeted programs under the oversight of the George Washington Carver Agriculture Research Center.

Background and Study Purpose

In October 2014, an analysis of the market potential for a value-added food enterprise center to be located at the former George Washington Carver Regional High School in Culpeper County, Virginia was undertaken to determine whether creating a food enterprise center in Virginia's Northern Piedmont would foster job creation, benefit local farmers and producers, and generally improve the quality and quantity of local food availability. This project is a core component of a broader collaborative effort to revitalize the now-vacant George Washington Carver School/Piedmont Technical Center into a thriving and sustainable agricultural education, production, research, and training hub. A multi-use food processing facility, combined with essential business and technical assistance, is an important part of this long-term regional strategy.

This analysis was performed in concert with a project team, including staff and members of the Rappahannock-Rapidan Regional Commission's (RRRC) Agriculture Working Group, and Virginia Cooperative Extension (VCE) Agents from five counties of Culpeper, Fauquier, Madison, Orange, and Rappahannock. Supporting community organizations includes the George Washington Carver High School Alumni Association, Madison Emergency Services Administration, Rural Madison, Culpeper Human Services, Piedmont Environmental Council, and producers across the region. Together, the team spent 12 months exploring regional food processing infrastructure needs.

The absence of a certified site in the region to safely process food for sale is a recognized barrier to strengthening the local food system, as identified in the 2015 Rappahannock-Rapidan Farm & Food Plan and associated economic analysis completed by Crossroads Resource Center. Long known for its strong agricultural production, the Northern Piedmont has seen many local processors and canneries shut down or move out of the area, leaving a void to agricultural producers seeking access to value-added infrastructure. As a result, many regional producers are either travelling to distant communities to produce value-added products or letting their excess and blemished foods go to waste in the fields.

The goal was to design and implement a market analysis that would assess whether value-added food production in Virginia's Northern Piedmont could meet the following criteria:

- Provide a valuable infrastructure component of our local food/agriculture network;
- Strengthen the local food system;
- Provide producers with a fair, local market for specialty and other crops;
- Address the needs of food insecure families;
- Create jobs;
- Encourage healthier food choices; and
- Establish a facility that is economically viable and sustainable.

Methodology

Virginia Food Enterprise Centers (VAFEC) and its advisory group began by identifying agricultural commodities with the potential for the highest and best use for the value-added food-processing center. To help identify the highest and best use commodity, the project team examined the potential of high-yield, high value-added produce, fruit, meat, and poultry, and measured the interest and willingness of producers of these commodities to enter into value-added production. After interviews with key stakeholder groups and producers, it became clear the highest and best use for the center, at least initially, is to provide a facility with equipment suitable to cater to a broad range of stakeholders.

To complete this, the follow steps were undertaken:

- Step 1 – Literature Review
- Step 2 – Interviews with Producers and Agriculture Experts
- Step 3 – Survey and Focus Groups
- Step 4 – Public Feedback

In Step 1, characteristics, trends, and economic impacts of the agricultural industry in the five-county Rappahannock-Rapidan Region were compiled as part of the Agricultural Profile to determine supply levels of locally produced products and potential for value-added processing. The data are supplemented by key findings from an agricultural economic analysis report, "Key Findings and Recommendations for Next Steps in Local Food Systems Implementation for the Rappahannock-Rapidan Region of Virginia," prepared for the RRRC by Ken Meter of the Crossroads Resource Center as part of the 2015 Rappahannock-Rapidan Farm & Food Plan.

In Step 2, interviews were held with key agricultural experts representing each county within the region, as well as with others outside the region with experience in public-private food processing, were conducted during the spring and summer of 2015. Virginia Cooperative Extension Agents and County Agricultural Development Directors were interviewed to gain an overall understanding of the region's potential for value-added processing, identify the key food infrastructure gaps within the region, and address the barriers for producers and growers entering into value-added processing.

Step 3 included surveys and focus group meetings to obtain the needs of the producers. The project team distributed a Food System Producer Survey to producers of edible farm products within the region in February 2015. The surveys were distributed via e-mail and standard mail. The mailing list included Piedmont Environmental Council's Buy Fresh – Buy Local participants and contacts provided by the region's Cooperative Extension Agents. Respondents were given two weeks to respond. Aside from garnering production and markets/sales information, the survey instrument asked producers if they currently produce value-added products from their farm, gauged their interest in potential regional infrastructure opportunities, and asked what factors limit producers' ability to sell food products locally.

Three regional focus group sessions were held over the spring and summer 2015 for interested users of the facility. Producers, growers, gardeners, home-based food businesses and food entrepreneurs were encouraged to attend. Meeting announcements were distributed via e-mail distributions lists from VAFEC, Rural Madison, Piedmont Environmental Council, RRRC, and VCE. Two focus group sessions were held in the morning and evening at each of the three locations: Madison County Extension Office (May 18, 2015), Fauquier County Extension Office (June 18, 2015), and Orange County Extension Office (June 23, 2015). The purpose of the discussions was to determine the level of interest in value-added food processing, identify producers and food-based businesses that are ready to expand into value-added processing, identify products regional producers and food-based businesses are seeking to create, identify potential markets for value-added products, and identify the best uses for the proposed food processing center to meet the needs of potential users.

VAFEC attended multiple local food related conferences and commodity meetings and field days to gather further input from producers and growers. Informal interviews and group discussions were held with participants at each of these events to determine interest in value-added food processing. Interested individuals were invited to visit VAFEC's website to obtain additional information and to receive updates.

In an effort to garner community input, Step 4 offered the opportunity for feedback. The study was publicized to the larger community via newsletters produced by VAFEC, RRRC, Piedmont Environmental Council, Rural Madison, and other project partners. An open house for interested users of the proposed value-added production facility was held in May 2015 with media coverage from Culpeper's Daily Progress.

The outcome of these four steps revealed the need for a locally based food processing center that meets the agricultural diversification of the region. Given the surrounding community initiative to rehabilitate the Carver school, and its geographic proximity for distribution, the Market Analysis examined the ability of the Carver school as a food processing facility to meet the region's agricultural desires and increasing consumer needs for local food products.

Vision & Working Model

The results herein address the feasibility of revitalizing, creating, and operating the George Washington Carver Food Enterprise Center, where Virginia-grown food and other specialty agriculture products could be processed safely and affordably at the Carver school site in Culpeper, Virginia. The proposed food processing facility, as envisioned, would include equipment for canning, dehydrating, vacuum packing and flash freezing, as well as for dry and wet grinding, oil expressing, pasteurization, and other specialty equipment as needs dictate. The facility would have a commercial kitchen where local growers and food entrepreneurs could create products for resale, including: fruit; vegetables; specialty products, such as honey products, soaps and candles; meat; poultry; and dairy products, along with freezer and storage space. Space for a bakery, a hothouse for growing specialty herbs, a composting site, and space for retail sales were also explored.

For farmers and growers, the facility would offer the options of co-packing their produce for use or re-sale; outright purchase of their produce at a fair price; or using facility staff to process their produce for a small fee. The facility could also purchase and process misshapen, smaller, or blemished raw products, which may not be saleable in other markets.

> *The project team recognized the potential risk in identifying a specific location prior to completing the market assessment. Given that this is a regional assessment, and given Culpeper County's strong commitment to invest in the revitalization of this historically important and centrally located property, we chose to focus on it as the preferred site, recognizing that we could adapt to another location if needed.*

Using this working model, the market analysis addressed the following issues:

- The availability of sufficient quantities of local produce and specialty items to be processed;
- The estimated use of such a facility by value-added producers, farmers, caterers and chefs;
- Opportunities for co-packing for resale;
- How a food processing facility can influence and/or impact local farmers and growers including in growing specialty crops;
- The demand for locally processed foods by public and private institutions, schools, social service agencies and retail outlets;
- The optimal location and scale for a food processing facility;
- The equipment and services needed to operate the facility successfully;
- The viability of a value-added food product line created by and for the center under its own label;
- Interest by residents in harvesting a summer's bounty for home use;
- The need for a mobile processing unit;
- Creating a training and marketing program for agricultural entrepreneurs;
- Identifying suitable markets and target audiences for agriculture workforce training, skills development;
- The ability to provide training and skills to ensure workers can earn a living wage; and
- The ability to provide training and skills that are transferrable to other jobs in the food handling industry.

The George Washington Carver Facility

The former George Washington Carver facility, located in Culpeper County, Virginia, sits on 11 acres approximately five miles outside the Town of Culpeper in Culpeper County, Virginia. The former high school and technical training center has a long and respected history in the region. Established in 1947, the site was home to the George Washington Carver Regional High School and served African American students from Culpeper, Greene, Orange, Madison and Rappahannock counties. In 1968, after public schools

integrated, the site was re-designated as the Piedmont Technical Education Center until it closed in 2014. Culpeper County owns and maintains the site, and County officials are eager to see the property restored and occupied consistent with the agricultural land use designation.

In 2014, the County leased a portion of the school and grounds to the George Washington Carver Agricultural Research Center, a partner program of the George Washington Carver Food Enterprise Center. Both Centers partner under the banner of the Carver-Piedmont Agricultural Institute. The mission of the Carver-Piedmont Agricultural Institute (Institute) aligns closely with the principles of George Washington Carver, notably his focus on research and education to bring new crops and new economic opportunities to the farming community.

> *The GWCARC has the potential to serve as an ideal location for agricultural research and development because of its rural setting, access to arable land and close proximity to the five-county area it has previously served.*

Facility Description

The Carver-Piedmont Agricultural Institute fronts U.S. Highway 15 and provides direct access and parking along the north and east areas of the property. The Center consists of a main school building and five (5) adjacent structures that have been used for a variety of instructional trainings. The Center is comprised of the following structures:

- A main school building/administration, approximately 40,000 square feet on two (2) floors, masonry construction;
- A physical plant with two (2) updated hot water boilers connected to the main building via an underground utility corridor, approximately 500 square feet, masonry construction;
- An adjacent vocational training center, approximately 12,500 square feet in two (2) buildings, masonry construction;
- An adjacent GED center, approximately 10,500 square feet, prefabricated steel construction;
- An adjacent multi-purpose classroom and work bay, approximately 12,200 square feet in two (2) buildings, masonry and prefabricated steel construction; and
- An electrical lineman training facility, approximately 8,400 square feet, prefabricated steel construction.

Electric utility service is provided by Rappahannock Electric Cooperative via overhead distribution lines. Telephone and internet access are available from service providers affronting the property. An oil-fired hot water boiler provides primary heating to the complex. The Center is served by a non-transient, non-community water system that is owned and operated by Culpeper County. Sewage is treated on site using a septic system and drain field.

Advantages

The George Washington Carver Center's location and layout would meet the producer needs in the region for the following reasons:

- Easy distribution for major traffic thoroughfare to distribute processed foods to key urban markets into the Washington, D.C., Baltimore, and Richmond metropolitan consumer high demand markets.
- This centralized, rural location offers easy access and reasonable commutes to the communities served throughout the region (Culpeper, Orange, Madison, Rappahannock, and Fauquier county residents);
- Existing administrative, classroom, warehouse and work center facilities for use by Center staff, users, and community stakeholders;
- Mature infrastructure that can be modified for adaptive uses (boiler waste heat for hydroponics, access to power and other utilities, etc.);
- Potential access through adjacent landowner agreement to viable agricultural lands needed for greenhouse research, test plats or prototype development;
- Consistency with the original purpose of the George Washington Carver School in providing the opportunity for continued education;
- Close proximity to the Coffeewood Correctional Facility offering community service labor and training opportunities for prisoners;
- Ability to attract the interest of benefactors who desire to contribute to the long-term viability of regional agriculture; and
- Honoring the legacy of Dr. George Washington Carver, the site's namesake.

Market Supply

Regional Agricultural Profile

This section outlines the characteristics, trends, and economic impacts of the agricultural industry in the Rappahannock-Rapidan Region of Culpeper, Fauquier, Madison, Orange, and Rappahannock Counties. The data is derived from the Census of Agriculture conducted by the United States Department of Agriculture – National Agricultural Statistics Service (NASS) every five years. The Census of Agriculture accounts for "any place from which $1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year." To accomplish this, NASS creates a Census Mailing List of agricultural operations that potentially meet the farm definition above. NASS continuously builds and improves this list by obtaining outside source lists from the following: state and federal government agencies, producer associations, seed growers, pesticide applicators, veterinarians, marketing associations, specialty commodities, and a variety of other agriculture-related lists. While the data provides a general industry outlook, not every regional producer is equally represented. Therefore, to triangulate the data, the project team employed a survey, conducted personal interviews, and held focus group sessions to better understand supply levels of local products that could be used for value-added processing and determine the level of interest and commitment among producers in expanding into value-added production.

Agriculture has long been the mainstay of local economies in the Northern Piedmont region of Virginia and accounts for nearly half the land area, while the well-managed farms play a key role in preserving the environment. Most farmland is used for cattle grazing, grain crops and forage production, but pressure on farming including high production costs and fluctuating pries challenge many traditional operations. The agricultural sector has long been a major employer in the Northern Piedmont but wages have traditionally been low and many young people look elsewhere for jobs. Recently, however there is a growing need for a more highly skilled and a better paid workforce to supply commercial horticultural operations, and to comply with health and environmental regulations.

Regional Farmland Characteristics

The Rappahannock-Rapidan Region boasts a strong agricultural heritage and the farm sector continues to diversify and play an important role in the local economy today. There are nearly 3,500 farms in the region according to 2012 the USDA Agricultural Census. Approximately 50 percent of the region's land area is farmland, a two percent increase compared to 2007 data, and its 629,295 acres constitutes eight percent of the state's total farmland. Agricultural preservation programs adopted by the state and the economic downturn in the national economy beginning in 2009 have played a key role to thwarting farmland conversion from sprawling development. Rappahannock County is the only jurisdiction in the region to show a drop in the number farms and a decrease in farmland acres between 2007 and 2012; however the region as a whole has seen an

increase in the number of farms and farmland acres during this time period. The average size of farms within the region between 2007 and 2012 increased by 20 acres, while the median size of farms decreased by 1 acre. For a complete listing of the region's agricultural data by county, please see the Appendix.

Across the region, the total number of farms by size between 2007 and 2012 has increased for every acreage category except farms between 50 and 179 acres. There are now 47 more small farms, those under 50 acres, in the region compared to 2007. Additionally, the number of farms with acreages greater than 180 grew in the region by 34.

Due to an abundant supply of relatively level, fertile and arable land, the region is a strong player in the production of feed crops and grains, particularly forages, corn and soybeans. Total cropland in the region declined between 2007 and 2012, while harvested cropland increased during the same period. The region as a whole saw the number of cropland farms and acreage fall by 39 and 11,228, respectively since 2007, while the number of harvested cropland farms increased by 108 and harvested cropland acres by 12,546.

Regional Farm Income and Expenses

Market value of agricultural products sold in the region increased by $46.6 million between 2007 and 2012, with crops (including nursery and greenhouse stock) representing 97.6 percent of that growth. The average market value of agricultural products sold per farm in the region was $69,180 in 2012.

The number of farms earning less than $10,000 in sales between 2007 and 2012 in the region declined by 155, while the number of farms earning between $10,000 and $49,999 in agricultural sales grew by 116. The number of farms in the region earning over $50,000 rose by 107 during the same time period. The total number of farms by value of sales increased by 68 across the region compared to 2007 figures.

Net cash farm income of operation (gross total income minus total farm production expenses and taxes) has dropped substantially between 2007 and 2012 to the tune of $17.16 million. Only farms within Culpeper and Madison counties showed a positive income figure and growth since 2007.

Livestock and Poultry Production

The number of cattle and calf operations in the region, including both beef and milk cows, declined by 64 farms between 2007 and 2012. However, the number of head of cattle and calves within the region increased by 9,864. The number of farms selling cattle and calves, as well as the number of head sold, dropped by 41 farms and 709 head of cattle since 2007. There are 1,633 cattle farms in the region producing 137,890 head of cattle, with over 85% percent in beef cattle production.

The region produced 2,505 head of hogs and pigs on 112 farms. Between 2007 and 2012, the region showed an increase of fifteen hog and pig farms and subsequently an increase in inventory by over 850 head.

There are a total of 188 sheep and lamb farms across the region as of 2012, an increase of 33 farms and 121 head since 2007. Fauquier County accounts for nearly half of the sheep and lamb farms across the region, and approximately one-third of all production.

Not largely known historically for its poultry production, the region has seen a large increase in the number of layer farms by 228 between 2007 and 2012. In 2012 the region produced 17,725 layers, compared to 8,182 in 2007.

Forty-two farms across the region sold 16,531 broilers and other meat-type chickens in 2012. The number of broiler and other meat-type chicken farms remained virtually unchanged between 2007 and 2012.

Grain Production

Corn and wheat production continues to remain as two of the region's top commodities. Nearly 180 farms produced over 3.2 million bushels of corn for grain on approximately 27,800 acres of farmland in 2012, with an additional 98 farms producing 130,878 tons of corn for silage or green chop on an additional 9,665 acres. From 2007 to 2012, production of corn for grain increased by 970,935 bushels, including an additional twelve farms and nearly 4,050 acres. During that same time period, production of corn for silage or green chop decreased by over 28,500 tons, including a loss of 41 farms and 3,172 acres. The region also included 62 farms producing wheat for grain in 2012, an increase of twelve farms from 2007.

Vegetable and Fruit Production

In 2012 nearly 120 farms in the region harvested vegetables, potatoes, and melons for sale, on almost 400 acres. This represents an increase of 43 farms and 112 acres compared to 2007 data. Almost all of the farms harvesting vegetables, potatoes, and melons sell for the fresh market. Less than ten of the 120 farms in the region harvested vegetables for processing. The region's top vegetable crops harvested include: tomatoes; potatoes; snap beans; cantaloupes, muskmelons and watermelons; cucumbers and pickles; sweet corn; beets; garlic; herbs; and lettuce.

Also in 2012 there were 167 farms with land in orchards, representing over 1,500 acres. Fauquier and Rappahannock counties constitute over half of the farms and acreage in orchards. The region overall has seen an increase of four orchard farms compared to 2007.

Apples, grapes, peaches and pears account for the largest majority of non-citrus fruits grown in the region. There are eight (8) farms in the region producing nuts, and 164 total in the state. There are over 500 acres of apples produced on nearly 80 farms in the region. The wine industry has ballooned across Virginia, and the Rappahannock-Rapidan region has played a role in this growth. The region boasts 95 farms producing grapes, predominately all for wine production, on over 730 acres. In 2012 there were 142 acres of peaches grown on 55 farms in the region, as well as 14 acres of pears produced on another 32 farms.

Berry production continues to increase across the region, as the number of farms between 2007 and 2012 rose by nearly 50. The region had 81 acres in berries in 2012, compared to 36 in 2007. In rank order, the majority of berries grown across the region included: blackberries and dewberries, blueberries, wild raspberries, and strawberries.

Agricultural Expert Interviews

In-person interviews with key agricultural experts representing each county within the region, and with selected agriculture and food processing experts outside the region, were held between January and March 2015. Below is a listing of each expert that was interviewed.

- Culpeper County: Carl Stafford (Extension Agent, Animal Science, Virginia Cooperative Extension) and Becky Sheffield (Extension Agent, Family & Consumer Sciences, Virginia Cooperative Extension)
- Fauquier County: Tim Mize (Extension Agent, Animal Science, Fauquier County, Virginia Cooperative Extension) and Ray Pickering (Director, Department of Agriculture Development, Fauquier County);
- Madison County: Brad Jarvis (Extension Agent, Animal Science, Virginia Cooperative Extension)
- Orange County: Steve Hopkins (Extension Agent, Animal Science, Virginia Cooperative Extension)
- Rappahannock County: Kenner Love (Extension Agent, Animal Science, Virginia Cooperative Extension)

Each expert was asked the same set of questions. Questions included an account of previous and current food processing initiatives in and around the region, identifying commodities produced or grown within the region that show the greatest potential for value-added processing, identifying food infrastructure gaps and barriers to food processing, and how, in their opinion, the GWCARC facility would best serve the needs of local producers.

Respondents provided the following responses under the various categories. However, explanations for each response were not always provided. Input below has been aggregated, and while it leaves more questions than answers, it did provide insights to guide the study.

History of Food Processing Initiatives in Region

- Fauquier County Community and Agriculture Development Office conducted a Community Kitchen study in 2012
- Fire Hall and National Guard buildings have community kitchens
- Blue Lakes moved out of the area
- Orange County received a Central VA Cattleman Association grant in 2000 to conduct a feasibility study for a food processing largely focused on meats and beef. Study was completed and showed promise for such a facility. A business plan was developed and a verbal contract was made for the Buffalo Hill facility in Madison. However, a fire destroyed the building and momentum with the project

ceased. The study team collaborated with Chris Cook and Spencer Neale of the Virginia Farm Bureau.

Current Food Processing Operations and Initiatives in Region

- Fruits and Vegetables
  - Virginia Chutney (Rappahannock County); not operating at full capacity
  - William's Orchard – cider and juice (retail only from farm)
  - Blue Ridge Produce (Culpeper County) may be looking into flash freezing

- Grains
  - Wausman's – purchases grain to malt

- Livestock
  - Adam's Slaughterhouse (USDA inspected – beef/pork/lamb)
  - Gore's Slaughter
  - Blue Ridge Meats
  - Fauquier's Finest (USDA inspected)
  - Dinner Bell Meat Processing (Lynchburg, VA) plant re-opening in 2015 (processing primarily, beef and pork; sheep and goats, secondary).
  - Recent movement with a meat processing facility in Albemarle County.
  - Rollins (Orange County) – State inspected, including flash freezing and deer processing
  - Front Royal (USDA inspected); two processing facilities
  - Harrisonburg – USDA inspected
  - Stuarts Draft meat processing facility
  - Mike & Molly (Culpeper County); freezer beef delivery

- Canning/Community Kitchen
  - Goldvein (Fauquier County); owners developing plans to open a community kitchen

- General
  - Charlottesville food producers, working with Virginia Food Works (now producing out of Prince Edward County), are currently looking to rent space.

Commodities with Greatest Potential for Value-Added Processing/Further Processing

Meat

- Specifically low quality cuts; ready-to-eat roasts; pre-cooked ground meats
- Pet food (vacuum-packaged): ID special food safety considerations; Donne's Pet Food Processing (Manassas) and Valley Proteins (mostly meat and bone meal)
- Mutton: Ewe meat for Gyros ("spice and slice").
- Economics are good for animal products and food processing

- Sausages and curing hams with local label
- More aging and smoking opportunities needed (6 months to 1 year)
- High for cattle; low for sheep and pork
- “Piedmont” branded beef product
- Adequate supply of product

Dairy

- Cheeses: one sheep and one dairy farm in Culpeper
- At least one yogurt/ice cream/cheese producer has failed. Learn more about reasons for failures; ID main issues (e.g., marketing, business structure, regulatory constraints, etc.)
- Large drivers of agricultural inputs in region
- Yogurt (estimate $15,000 for keefer storage)
- Artisanal cheeses

Fruit

- Apples: for jellies and jams; not for apple juice (poor returns). Andros/Bowman and White House are main competitors. Apples for cider (growing sector of industry)
- Small tree fruits (unique to area and history); berries (raspberries and blueberries)
- Jellies; jams – easier to process and market
- ID gaps in infrastructure
- Peaches (most sold directly from on-farm sales)

Vegetables

- Specialty pickle
- Can be hard to find adequate and consistent supply of some produce to meet demand and cover costs
- Cold storage, smaller-sized farms, willingness to expand

Soups

- Using lower value meats and vegetable products (requires very low labor input)

Demographic / Specialty Markets

- Latin: cow head/tongue is a delicacy (source of information could be churches)
- Muslim, Asian, other
- Look for a strong niche market

Frozen/Chilled products

- Highly attractive to buyers

Grains

- Artisanal breads

- Hops for breweries

Food Infrastructure Gaps

- Preserving
  - Ice-packed/chilled vegetables
  - Freezers
- Storage
  - Cold storage
  - Space to store products
- Distribution
  - Distribution system needed as there is not much other than Local Food Hub in Charlottesville and Blue Ridge Produce in Culpeper
  - Simple delivery system for foods
  - Need for trucks with cooler
- Meat processing
  - Abundant slaughter facilities and capacity within region
  - Larger, more regional meat processing facility
- No commercial kitchen

Key Markets and Potential Institutional Buyers

- Public School Systems
- Private School Systems
  - Highland School
  - Wakefield School
  - Woodberry Forest
  - Grimes
  - St. Luke's
- Northern VA 4-H Center
- Hospitals
  - Fauquier Hospital
- Nursing homes/Senior centers
  - Fauquier Overlook

Barriers to Food Processing

- Supply (relative to producer/grower production)
  - Constant, consistent supply of products
  - Variable supply with both meats, vegetables, and fruits
  - Adequate supply of raw products
  - Supply issues
  - Distribution system
  - Farmers not focused on value-added processing opportunities when commodity prices for corn and soybeans are at a premium
- Demand

    - Demand issues
    - Distribution system
- Coordination
    - Coordination needed, primarily for sale and delivery, to eliminate farmer's marketing time and labor
    - Coordination between suppliers and buyers oftentimes difficult
- Regulations (relative to producers/growers and facility)
    - Constantly changing regulations
- Previous Initiative Failures
    - Farmers have been burned in the past on prospective market outlets and initiatives
    - Farmers question whether the potential returns are worth the time and effort to market and produce value-added products
- Facility Logistics
    - Cooperative Model – questions surrounding logistics, delivery, difficulty at all scales
    - Start-up funding

Recognized Utilization of Carver Center to Benefit Local Producers

- Storage
    - Dry storage
    - Cold storage
    - Flash freezing
- Distribution
    - Hub for processing and moving product
- Partner with schools to process foods during summer

In addition to interviews conducted with regional agriculture experts, VAFEC and its project partners held in-person tours and facilitated discussions with agricultural and food processing experts from other areas in Virginia. These experts ranged from food processing center operators to state agency marketing and development specialists to regulatory inspectors.

- Virginia Food Works: Allie Hill (Project Director)
- Virginia Department of Agriculture and Consumer Services: Robins Buck (Senior Project Manager, Agriculture and Forestry Development Services), David Robishaw (Sales and Market Development), Stephen Versen (AFID Fund Coordinator)
- VDACS Regulatory: F.C. Lamneck (Enforcement Officer, Compliance and Enforcement Division), Paula Vile (Senior Food Safety Specialist)

These outside experts provided valuable insight regarding the vision for the Carver-Piedmont Agricultural Institute, funding and partnership opportunities, and potential approaches to the development and implementation of a food processing facility in the region. Their comments and key issues are aggregated below.

- Phased approach can enable shared uses to develop (community kitchen, food incubator, types of production – canning, meats, dairy, etc.)
- Challenges are being everything to everyone with limited or no staff
- Producers and entrepreneurs see benefits in shared facilities, including equipment, storage space, bulk purchasing of jars, containers, etc.
- Management is the critical factor for visibility, growth, and development of assets
    - Largest expenses: Salary/Benefits, Capital Expenditures, Utilities
- Liability Insurance for Businesses ($700 to $1,000 per business estimate)
- Opportunities for further processing, value-added processing for predominate commodities (Meat)
- USDA Certified Inspector must be on-site when meat processing is occurring and requires designated office space
- Regulatory structure is complicated depending on what is being produced, where products are reaching market, etc.
- Key regulatory agencies are Virginia Department of Health, VDACS, USDA, and FDA. Again, highly product dependent.
- Consideration should be given to providing regulatory education for all kitchen users for individual management of permits, licenses, and training certificates, relieving management of this burden.

Producer Input

Producer input for the market analysis was obtained through VAFEC-moderated focus group sessions, and outreach conducted at regional farmers markets and other regional grower and producer organizations. In addition, information was drawn from the RRRC Food System Producer Survey, included here as Appendix A for reference.

VAFEC Focus Group Sessions

VAFEC hosted regional focus group sessions for producers, growers, gardeners, home-based food businesses and food entrepreneurs operating within the Rappahannock-Rapidan region during May and June 2015. Two focus group sessions were held in the morning and evening at three locations: Madison County Extension Office (May 18, 2015), Fauquier County Extension Office (June 18, 2015), and Orange County Extension Office (June 23, 2015). In addition, VAFEC's consultant held focus group meetings in conjunction with a regional Agri-Tourism Symposium held in Culpeper on April 23, 2015, and met with regional Fruit Growers and Vegetable Growers' groups on June 10, 2015 and June 16, 2015, respectively. The purpose of these discussions was to determine the level of interest in value-added food processing, identify producers and food-based businesses who are ready to expand into value-added processing, identify products regional producers and food-based businesses are seeking to create, identify potential markets for value-added products, and identify the best uses for the proposed food processing center to meet the needs of potential users. Twenty-three participated in these meetings, with the aggregated summary below. Attendees ranged from small to large fruit and vegetable growers, beef producers, dairy producers, small chicken growers, bakers, gardeners, and food entrepreneurs. Current markets utilized for selling products indicated by participants included farmers markets, CSAs, retail sales and wholesale contracts.

All participants, as expected, were interested in a value-added production facility for their agricultural products. Participants agreed that this infrastructure would provide a great opportunity to advance local access of locally grown products. Further, the participants underscored the fact that consumers are growing increasingly concerned with where their food comes from and therefore demand for locally grown products has exponentially increased.

Participants were asked to describe the strengths, weaknesses, opportunities, and threats (SWOT) relative to the region's overall agricultural economy, such as specific agricultural commodities grown and potential for value-added production, infrastructure (food processing, storage, distribution, etc.), and access to markets, among others. These findings are displayed in the SWOT Analysis table below.

Strengths	Weaknesses
Sufficient supply of raw product	Limited storage options
Potential demand	Distribution and aggregation issues in area
Proximity to large population centers	Lack of access to markets
Small fruit production, specifically berries, apples, and peaches (commodities the region produces well and in large quantities)	Labor is major issue with small fruit production (finding skilled workers and costs)
Opportunities	**Threats**
Growing market for dried fruits and vegetables (increasing availability and supply of these products in region)	Apple processors already heavily established in region and beyond. Many regional apple farmers sell excess apples to these processors.
Aggregation is a valuable and missing component in region. A centralized, large-scale aggregator would reduce the 'bottleneck'	Vegetable production not a major strength of area. Regional producers are small-scale compared to Northern Neck regional production and economies of scale.
Further meats processing (e.g., jerkies, smoked meats, sausages)	Meat producers are not satisfied with regional meat slaughtering facilities; cost of meat slaughtering and processing is high.
Value-added berry production (aggregator opportunity)	Competing with regional berry prices, specifically North Carolina and Georgia
Increasing vegetable production in region	
Dairy producers finding demand for local creamery/ micro-dairy processing of cheeses and yogurts	
Producers are willing to scale-up production to enter into value-added production	
Short-term vegetable and fruit preserving and storage space	
High producer and grower interest in region for value-added production and seeking access to community facility	
Partner with growers already in large production that can provide the tonnage (supply) and possibly start-up funding, which then could entice other growers to join,	
Value-added production could attract internships and increase demand for additional labor (both on-farm and in kitchen)	
Advance access of locally-produced foods; place region on the map as a local foods destination	
Market is demanding convenience (e.g., direct to consumer)	
Turning blemished or otherwise wasted products into a marketable product for additional farm income (e.g., 30% of apples at pick-your-own farms are wasted each year because customers can't reach top branches)	

Letters of Intent

VAFEC invited interested and potential users of the facility, such as producers, growers, gardeners, home-based food businesses, food entrepreneurs and other stakeholders to submit a Letter of Intent (LOI), a non-binding contract, indicating anticipated use of the facility, identifying equipment and other resource needs, and identifying expected markets for products. LOI requests were distributed within the VAFEC distribution list, which included feasibility study participants in the survey, focus group sessions, and other meetings, and forwarded by project partners, as applicable.

Below is a listing of equipment needs, identified from focus group sessions and the LOI, based on the potential value-added products to be produced at the facility. Phase I indicates equipment items that are recommended by the project team to be provided immediately, while Phase II equipment items should be further evaluated for need after the facility has been in operation for at least one year.

PHASE I (General Processing & Storage Requirements)	
Refrigerators	Steam kettle
Freezers	Smoker oven
Dry storage	Vacuum packaging machine
Oven	Washing station
Stove	Food processor
3 compartment sink	Floor mixer
Hand sink	Stock pots
Microwave	Label maker
Food dehydrator	Standard cooking equipment
Digital scale	Thermometer
Dishwasher	Stainless steel utensils
Work tables	Food prep equipment
Cutting boards	Carts/dollies
Juice steamer	Computer and accessories (printer)
Canning equipment	

PHASE II	
General	**Dairy**
Retort	Pasteurizer
Blast freezer	Cheese vat
	Cheese press
Meat Processing	Drain table
Saws	Bottler
Grinders	Sanitary pump
Mixers	Chiller

Other services requested from interested facilities users included recipe testing and approval, food safety training, marketing, and other business-related services.

Potential users of the food processing center indicated the desire to produce the following value-added products from products grown on their own farms or sourcing product from producers or growers within the region:

- Juice
- Honey (creamed honey, honey jelly)
- Jam
- Jelly
- Syrup
- Medicinal and Culinary herbs
- Canned goods
- Baked goods
- Chicken stock*
- Bloody Mary mix*
- Soap
- Lotions
- Yogurt
- Cheeses

*Indicates an anchor tenant. Anchor tenants are distinguished from other tenants by the substantial number of hours of kitchen/processing time needed, and the large block of rented time usually underlies a business that is well managed and successful. Anchor tenants provide stability to the facility.

Stakeholders indicated through submitted LOIs the following anticipated use of the facility during the first year of operation. Three of the following stakeholders specifically indicated that their use of the facility will increase in the second year.

Purpose/Product	**Annual/Seasonal**	**Frequency**	**Number of days per Frequency**	**Number of hours per Frequency**
Produce^	Seasonal – August & September	Weekly		
Produce	Annual	Monthly	10	
Produce	Seasonal – growing season	Weekly		18 (minimum)
Produce	Annual	Monthly	10	
Honey	Annual	Monthly		
Meat	Annual	Monthly		
Dairy	Annual	Weekly	1 to 2	10 to 18

^ Produce includes vegetables, small fruits, and herbs.

All of the above stakeholders indicated their desire to produce under their own private label. Additionally, all stakeholders indicated value-added products will be made using products grown on their own farms, with one stakeholder possibly needing to source product from another farm to meet demand. The following markets for products produced at the facility were identified by stakeholders:

- Yoder’s Country Market;
- The Ole Country Store;
- Rebecca’s Market;
- Piedmont Deli;
- Brightwood General Store;
- Batesville Market;
- Madison Deli;
- Madison Inn;
- Horton Winery;
- Regional wineries featuring local products;
- Farmer’s Markets: Madison, Culpeper, Forest Lakes, Richmond-area;
- Other local markets and retail and wholesale markets have been identified by stakeholders, though they have chosen to keep that information private at this time.

Market Demand

Regional Economic Profile

The Rappahannock-Rapidan Region is located in Virginia's Northern Piedmont, in the foothills of the Blue Ridge Mountains. The five counties that make up the region – Culpeper, Fauquier, Madison, Orange, and Rappahannock – cover 1,965 square miles and are home to an estimated 172,958 persons. Two rivers, the Rappahannock and Rapidan, originate in the Blue Ridge Mountains and flow eastwards toward Fredericksburg.

The Region remains predominantly rural, with one of the lower population densities in the State. However, it is also surrounded to the west, north, east, and south by larger metropolitan areas; namely, Winchester, Northern Virginia/Washington, D.C, Fredericksburg, and Charlottesville. As a result of its proximity to these areas, the region has experienced rapid and substantial population growth and residential and commercial development over the past ten years (second-fastest growing region in the state), with the majority of the growth predominantly affecting the Counties of Culpeper, Fauquier, and Orange.

The rest of the region, apart from the Towns of Warrenton, Culpeper and Orange, is characterized by rural, low- density residential and agricultural land uses. Warrenton and Culpeper have the highest densities of 1,000 to 2,000 persons per square mile.

The counties and towns of the Rappahannock-Rapidan region share many attributes, among them, myriad historic properties and natural amenities, and continue to retain much of their original historic and rural character; all the more so, owing to the more noticeable urbanization which has occurred in just about every direction outside of its borders. All five counties have committed to actively preserving their rural and agricultural heritage. Development across the planning district is for the most part contained within the referenced two largest towns (Culpeper and Warrenton) and along the more heavily-traveled regional thoroughfares of U.S. Routes 15, 17, 29 and Virginia Route 3.

Agricultural and sustainable land uses are prevalent in all five counties in the region. According to the 2012 U.S. Census of Agriculture, nearly 630,000 acres in the region were utilized in farms and there were over 3,450 farms in operation. The Virginia Department of Forestry's publication, Virginia's Forests, listed over 675,000 acres in accessible forest land in the region. Along with active large and small farms, wineries have become an important part of the region's economic climate, with nearly 40 active wineries operating in the Rappahannock-Rapidan region in 2013.

The population in Planning District Nine grew at the second fastest rate among PDCs in Virginia between 2000 and 2010 with a 23.2% growth in population during the ten-year period. However, the region remains primarily rural in development surrounded by regions such as Northern Virginia and the Fredericksburg and Charlottesville

Metropolitan Areas with greater employment opportunities.

As a result, the region sees a large number of its working age population leave the region for employment opportunities. According to 2011 U.S. Census Longitudinal Employer-Household Dynamics data, the Rappahannock-Rapidan region had a net out-commuter rate of 27,776, compared to just 26,618 persons who both lived and worked within the region. A review of where residents are commuting to shows that nearly 30,000 residents of the Rappahannock-Rapidan region (just under 1/6 of the region's population) commute to areas in Northern Virginia or the Fredericksburg metroplitan area.

American Community Survey's 5-year estimate data shows that workers in all five counties in the Rappahannock- Rapidan region have a mean travel time to work that is higher than the Virginia average and the mean travel time to work is greater than 30 minutes in all five counties in the region. Additionally, a 2006 Culpeper County study found that nearly 50% of the county's workforce commuted outside of the county to work, with nearly 30% of Culpeper County workers commuting outside of the Rappahannock-Rapidan region. That same study cited higher salaries outside of the county and region as a main reason for commuting outside the area, while nearly a quarter of those surveyed cited a lack of available jobs locally as a reason for commuting outside the area.

American Community Survey's 5-year estimate data also show that much of the Rappahannock-Rapidan region lags behind surrounding jurisdictions in income indicators, including median household income, median family income and per capita income. Madison County and Orange County are below the Virginia average in all three indicators, while Culpeper County is below the Virginia average in per capita income.

Virginia Employment Commission data shows that the largest employment sectors in the region are Retail Trade, Health Care & Social Assistance, Education Services, and Accommodation & Food Services. The Rappahannock-Rapidan region sees a large percentage of its workforce commute to adjacent regions for employment opportunities, while enjoying the region's lower housing costs and rural lifestyle.

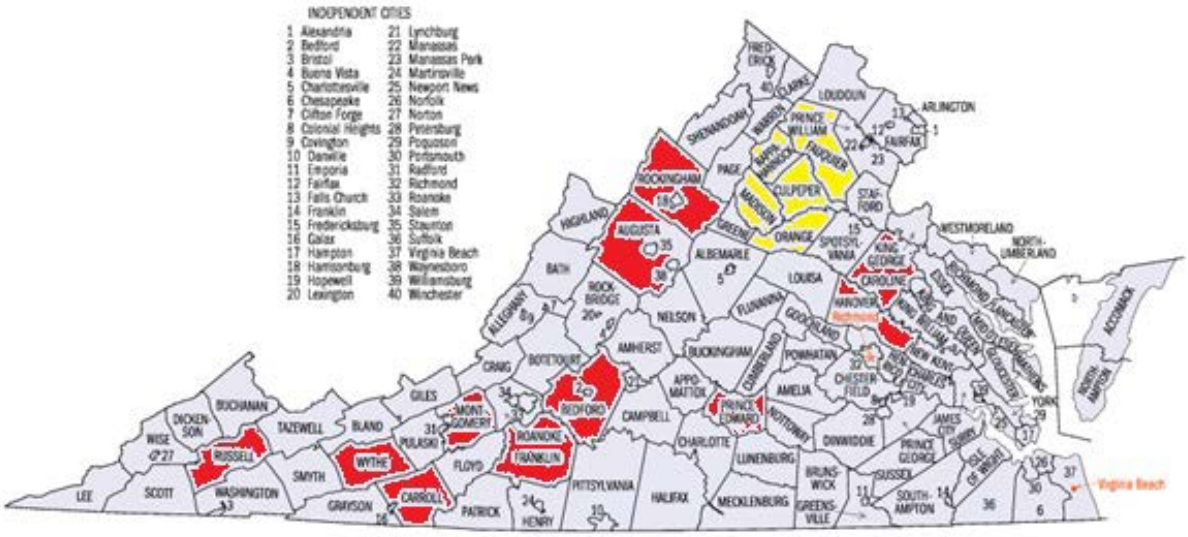
Agriculture continues to be a key component of the region's economy, however, with popular farmer's markets in each county and increasing opportunity for commercial horticulture and livestock operations. The growth of small, entrepreneurial businesses goes hand in hand with the increasing importance of small agricultural operations within the region's overall economy and is in line with the type of business growth favored by the region's jurisdictions.

U.S. Census American Community Survey data shows that 86% of residents 18 years or older in the region hold a high school diploma or equivalent, while nearly 50% have completed some college-level courses and 25% possess a four-year college degree. Unemployment rates generally mirror those for the entire Commonwealth of Virginia over the past decade with a peak unemployment rate of 6.9% in 2010. As of July 2014, the

region's unemployment rate was 5.0%, below the state average of 5.4%. However, the region also has a significant number of residents defined as underemployed by the Virginia Economic Development Partnership. In the second quarter of 2014, VEDP numbers indicated that 8,500 residents, 10% of the region's labor force, could be characterized as underemployed.

Comparable Facilities in Virginia

Once home to hundreds of small canneries, Virginia now has thirteen seasonally operating community canneries in operation. These thirteen canneries are spread over eleven counties and predominately located in rural areas of central and southwest Virginia. Twelve of the canneries are operated and supported by their local county governments, while one was acquired and operated by a non-profit organization. Only three canneries are certified for the production of commercial value-added food items processed for resale by the Virginia Department of Agriculture and Consumer Services.



Above is a map of operating canneries by county in Virginia (red indicates canneries in operation, and yellow represents counties within the Rappahannock-Rapidan region). The facility name, location, products processed, access to facility staff, operation schedule, operating entity and website of active canning facilities in Virginia are included for reference below.

Name	Location	Products processed	Staff Assistance	Seasonal operation	Days of operation	Operating entity	Website
GWCARC							
Caroline County Cannery	Bowling Green, Caroline County	Fruits and vegetables	Yes	July 1 – December 30	Tuesdays and Thursdays	Caroline County government	Caroline
Carroll County	Hillsville, Carroll	Fruits and vegetables	Yes	mid-July – mid-	Daily	Carroll County	Carroll

Cannery	County			December		government	
Castlewood Cannery	Castlewood, Russell County	High acid fruits	Yes	July - January			
Glade Hill Cannery	Glade Hill, Franklin County	Fruits, vegetables, and meats	Yes	mid-July – December			Glade Hill
Hanover County Cannery	Ashland, Hanover County	Fruits and vegetables Also operates as a commercial kitchen	Yes	July - August September - October	Monday Wednesday, Friday, and Saturday Saturday only	Hanover County government	Hanover
Keezletown Community Cannery	Keezletown, Rockingham County	Fruits and vegetables	Yes	July – mid-December	Tuesday and Friday	Horizons Learning Foundation (non-profit organization)	Keezletown
New London Community Cannery	Forest, Bedford County	Fruit and vegetables Meat preservation	Yes	July – mid-December	Tuesday and Thursday	Bedford County government	New London
Prince Edward County Cannery	Farmville, Prince Edward County	Acid or acidified foods Fruits, vegetables, meats Also operates as a commercial kitchen	Yes	Year-round	At least three days per week	Prince Edward County government for Home-users; and Virginia Food Works (non-profit) for commercial users	Prince Edward Virginia Food Works
Stuarts Draft Community Cannery	Stuarts Draft, Augusta County			August – November			
Honaker Cannery	Lebanon, Russell County			July - January			
Wythe County Community Cannery	Wytheville, Wythe County			July - December			
Montgomery County Cannery	Riner, Montgomery County			July – mid-November			

Commercial Kitchens for Rent

The Highland Center Community Kitchen *(120 miles from Carver-Piedmont site)*
Highland County, VA
http://thehighlandcenter.org/our-programs/local-food-agriculture/

Kitchen Thyme *(80 miles from Carver-Piedmont site)*
City of Richmond, VA

http://kitchenthymerva.com/

The Spencer-Penn Centre *(190 miles from Carver-Piedmont site)*
Henry County, VA
http://www.thecentreatspencerpenn.com/community_kitchen.html

The Weyers Cave Community Center *(70 miles from Carver-Piedmont site)*
Augusta County, VA
http://weyerscavecommunitycenter.webs.com/rooms.htm

Regional Value-Added Facilities

Virginia Chutney
Flint Hill, Rappahannock County, VA
Produce chutney, largely using fruits (e.g., peaches, apples, plums, cranberries, and figs) and vegetables (e.g., green tomatoes)
http://www.virginiachutney.com/

Blue Ridge Produce
Elkwood, Culpeper County, VA
Aggregator of fresh fruit and vegetables grown locally, state-wide and regionally across the Southeast.
Services provided: post-harvest handling training and monitoring, farm pick-up, packing, cooling, marketing and distribution.
http://blueridgeproduce.net/index.php

Virginia Slaughter and Further Meat Processing Facilities

Provided below is a regional inventory of certified slaughter and processing facilities for direct-market locally grown beef and other meats in Virginia[1]. The inventory includes facilities that have federal USDA, Talmadge-Aiken (TA), and Virginia Department of Agriculture and Consumer Services (VDACS) certification that are located in Virginia and within approximately 100 miles of the Rappahannock-Rapidan region. Talmadge-Aiken certified facilities are inspected by the Office of Meat & Poultry Services within VDACS and these facilities are to ship product via interstate commerce and export. State inspected facilities are only allowed to sell intrastate.

[1] Inventory was obtained from 2009 Virginia Cooperative Extension publication, "An Inventory of Beef Slaughter & Processing Facilities for Virginia Direct Marketers of Beef" and from Virginia Department of Agriculture and Consumer Services publication, "2015 Meat and Poultry Establishments."

Custom exempt facilities can slaughter and process privately owned animals for personal consumption as long as the meat is stamped “not for sale.” Custom exempt facilities are inspected by VDACS, but not the meat. Voluntary Reimbursable Inspection Service (VRIS) facilities are charged for state inspectors’ time and mileage to inspect slaughtering and processing of non-amenable animals, such as buffalo, rabbits, and other animals not included on the amenable species list. Amenable species include cattle, hogs, sheep, goats, poultry, and ratites.

There are eight Virginia-based slaughter and meat processing facilities located within a reasonable driving distance, approximately 100 miles, for meat producers in the Rappahannock-Rapidan region. A listing of these facilities is provided below, along with certifications, location, species processed, and processing services offered:

True & Essential Meats, located in Harrisonburg, VA, is TA certified in the slaughtering of beef, swine, sheep and goat. T&E Meats offers the following services: offal and hide disposal, weighing on certified scales, custom cuts, vacuum packaging, labeling, dry aging, and freezing.

Gore’s Processing offers two locations: Edinburg, VA (USDA and organic certified) and Stephen’s City, VA (TA and organic certified). Both facilities slaughter beef, swine, and sheep. Additionally, both facilities offer the following services: offal and hide disposal, weighing on certified scales, custom cuts, vacuum packaging, labeling, dry aging, and storage.

Blue Ridge Meats, located in Front Royal, VA, is USDA certified in the slaughtering of beef, swine, sheep, deer, and goats. One of only two facilities within Virginia to offer transportation of live animal, Blue Ridge Meats also provides the following services: offal and hide disposal, weighing on certified scales, custom cuts, paper and vacuum packaging, labeling, dry aging, storage, freezing, and delivery.

Blue Ridge Packing, located in Berryville, VA, is USDA certified in the slaughtering of beef, swine, sheep, deer, and goats. Services provided by Blue Ridge Packing include: offal and hide disposal, weighing on certified scales, vacuum packaging, labeling, dry aging, and storage.

Fauquier’s Finest, located in Bealeton, VA, is USDA and organic certified in the slaughtering of beef, swine, sheep, goat, and exotics. Fauquier’s Finest offers the following services: offal and hide disposal, weighing on certified scales, custom cuts, vacuum packaging, labeling, dry aging, and storage.

Rollins Meat Processing, located in Orange, VA, is certified custom exempt by VDACS.

Adams Custom Slaughter & Processing, located in Amissville, VA, is VDACS, custom exempt, and VRIS certified.

Aside from the facilities listed above, the region also offers other slaughter and further meats processing facilities[2]. These facilities are not listed within the VDACS Directory of Meat and Poultry Establishments and therefore are not certified or inspected by the federal or state government for standards and requirements relative to the facility or the meat product. These include:

- Lebanese Butchers Slaughterhouse, Fauquier County
- Hidden Pines Meat Processing, Madison County – slaughter and processing for deer and game
- Muskrat Haven Farm, Rappahannock County

Institutional Food Buyers Focus Group

On April 28, 2015, VAFEC and the Rappahannock-Rapidan Regional Commission held an Institutional Food Buyers focus group session. The primary goal of the discussion was to get a sense of food buyers' needs and constraints to sourcing locally, demand for value-added products, and solutions for bridging the gap between institutional buyers and local producers. Five institutional food buyers participated in the focus group session, representing two private educational institutions, one social services organization, and one county public school system.

All focus group participants have full commercial kitchen facilities at their institution. Additionally, all participants have at least one staff to prepare meals. In total, these institutions serve at least one meal to over 1,600 students and individuals. These institutions have an average maximum budget per meal between $3.00 and $5.00.

Sources and vendors of food items purchased from institutions participating in the focus group session include:

- US Food Service;
- Staunton Foods;
- Performance Food Group;
- Standard Produce;
- Merchants Food Service;
- Virginia Distribution Centers;
- Sysco;
- GA Foods;

[2] Data according to Rappahannock-Rapidan Regional Commission publication, "Food System Asset Assessment."

- Schenk Foods;
- Galliker's Dairy;
- Charlottesville Food Hub;
- Thornton River Orchards;
- Grocery stores (such as Costco, Wal-Mart, and Wegmans);
- Local groceries and farmers Markets; and
- Donations from the community.

Participants indicated that their existing vendor channels are able to provide all needed foods products. Typically, private institutions are not locked into contracts with food vendors and therefore have greater flexibility with food purchases. The opposite is largely true of public institutions, such as schools that feed large numbers of children and have limited staff capacity to coordinate food purchases. Participating institutions indicated less than five percent of their food budget is spent on locally-sourced foods. Fruits, vegetables, meats, eggs and dry goods are items that are sourced locally by the institutions in the focus group session. Barriers or constraints to local sourcing, as indicated by the participants included price, seasonality of products (school is out during peak growing season), food safety, meeting state nutrition and USDA guidelines, time constraints (purchasing, washing, stemming, and preparing), and food waste (school children often pass on the healthier foods).

> *All institutional participants indicated interest in expanding procurement of local foods. In order to do so, participants need more variety and availability of products (seasonality an issue with school schedule), higher quality products, a platform for ordering local products, bulk quantities of product, pricing must fit within budget, and ability to meet USDA recipe requirements.*

Three of the institutional participants are currently conducting educational programs around local food and agriculture in their schools. Educational programs include inviting local farmers to the school during local food week, taking field trips to local farms, and operating a school garden where produce from the garden is used in the cafeteria. Typically, these programs are championed by an administrator or school teacher with a vested interest in local foods initiatives. One public school system participant indicated their county has a dedicated Farm-to-Table Program staff person to coordinate these educational activities.

> *All participants indicated interest participating in a regional, local foods educational program, if offered. One participant specifically mentioned the need for credentialed nutritionists to educate and counsel seniors on the importance of nutrition and how local foods play a role in providing nutrient dense foods for these populations.*

Below is a listing of potential regional institutional markets for procurement of facility-made products:

Institutional Markets (Potential)	**County**
Culpeper Regional Hospital	Culpeper
Culpeper County Public Schools (10)	Culpeper
Eastern View High	
Culpeper County High	
Floyd T Binns Middle	
Culpeper Middle	
Pearl Sample Elementary	
A.G. Richardson Elementary	
Farmington Elementary	
Sycamore Park Elementary	
Yowell Elementary	
Emerald Hill Elementary	
Coffeewood Correctional Facility	Culpeper
RRCSB Area Agency on Aging	Culpeper
Meals on Wheels	
Senior Centers	
Culpeper Baptist Retirement Community	Culpeper
Culpeper Health & Rehabilitation Center	Culpeper
Epiphany Catholic School	Culpeper
Culpeper Christian School	Culpeper
Kids Central Daycare	Culpeper
Culpeper Head Start Program	Culpeper
Country Club of Culpeper	Culpeper
Fauquier County Public Schools (20)	Fauquier
Fauquier High	
Kettle Run High	
Liberty High	
Southeastern Alternative School	
Auburn Middle	
Marshall Middle	
Taylor Middle	
Warrenton Middle	
Cedar Lee Middle	
Bradley Elementary	
Greenville Elementary	
Pierce Elementary	
Thompson Elementary	
Brumfield Elementary	
Miller Elementary	
Ritchie Elementary	

Walter Elementary	
Coleman Elementary	
Pearson Elementary	
Smith Elementary	
Providence Christian Academy	Fauquier
Covenant Christian Academy	Fauquier
Fresta Valley Christian School	Fauquier
Highland School	Fauquier
Little Graces Preschool	Fauquier
Middleburg Montessori School	Fauquier
Midland Christian Academy	Fauquier
St. James Episcopal School	Fauquier
St. John Evangelist Elementary School	Fauquier
The Boxwood Montessori School	Fauquier
Wakefield School	Fauquier
Fauquier Health Hospital	Fauquier
Oak Springs of Warrenton	Fauquier
The Villa at Suffield Meadows	Fauquier
Lord Fairfax Community College	Fauquier
Fauquier Head Start Program	Fauquier
Walnut Grove Childcare	Fauquier
Children of America	Fauquier
Maplewood Childcare Center	Fauquier
Fauquier Springs Country Club	Fauquier
Madison County Public Schools (4)	Madison
Madison County High	
William Wetsel Middle	
Waverly Yowell Elementary	
Madison Primary	
Hartland Institute	Madison
Mountain View Nursing Home	Madison
Autumn Care of Madison	Madison
Orange County Public Schools (9)	Orange
Orange High	
Locust Grove Middle	
Prospect Heights Middle	
Unionville Elementary	
Orange Elementary	
Locust Grove Primary	
Locust Grove Elementary	
Lightfoot Elementary	

Gordon-Barbour Elementary	
Germanna Community College Locust Grove Campus	Orange
Woodberry Forest	Orange
Grymes Memorial School	Orange
Faith Christian Academy	Orange
Orange Head Start Program	Orange
Central Virginia Regional Jail	Orange
Dogwood Village	Orange
Rappahannock County Public Schools (2)	Rappahannock
Rappahannock County High	
Rappahannock County Elementary	
Belle Meade School	Rappahannock
Hearthstone School	Rappahannock
Massanova Christian Academy	Rappahannock
Wakefield Country Day School	Rappahannock
Rappahannock County Regional Jail	Rappahannock

Conclusions and Recommendations

The George Washington Carver Food Enterprise Center is a viable and needed complement to the region's agriculture profile. The greatest risk at this time is to attempt to meet every stated need in the early stages. It is recommended that more in-depth financial analysis of the facility rehabilitation and infrastructure needs will be helpful in determining how to stage producers and products into a fully-fledged Center.

Training and technical support should be offered at the Carver Center in order to satisfy producer needs. Such training and support will be valuable to small-scale producers to prepare them for using the Center. Those programs should be developed and implemented as quickly as feasible. Where possible, utilize existing training modules and enlist business development organizations, including Virginia Cooperative Extension, Germanna Community College, Lord Fairfax Community College, Lord Fairfax Small Business Development Center and/or Central Virginia Small Business Development Center to work with entrepreneurs to write business plans, understand manufacturing and marketing costs and price points.

Design for a fully-fledged Center should be completed as soon as possible, recognizing that not all capabilities can be addressed in the first years of operations. A commercial kitchen would meet many needs, including those of training, recipe development, baking, vacuum packaging, and most high-acid processing. Meat/poultry and dairy products development should also be planned for in the initial development stages. Reaching out to existing community food operations centers, particularly those handling meat and dairy products is advised.

Union Kitchen's expressed interest in operating a food incubator business is worthy of consideration, particularly their desire to have local management oversee the operation.

The GWCFEC should move quickly to hire a full-time Executive Director, one capable of providing project coordination, grant writing/fundraising and partnership building, strategic oversight, and technical assistance, among other skills and certifications.

GWCFEC should finalize an MOU and lease agreement with Culpeper County, including clarifying those improvements and services the County will provide now and over time.

GWCFEC should proceed with an application for Federal tax-exempt status under Section 501c3 of the Internal Revenue Service Code. Prior to obtaining its IRS tax-exempt status, GWCFEC should formalize an agreement with its partner organization, the George Washington Carver Agricultural Research Center (GWCARC) to utilize the GWCARC tax-exempt status, as well as looking for other opportunities to create synergies between the two organizations.

A timeline for completing infrastructure and other improvements should be developed so that a target for opening the facility for training and basic operations can be announced.

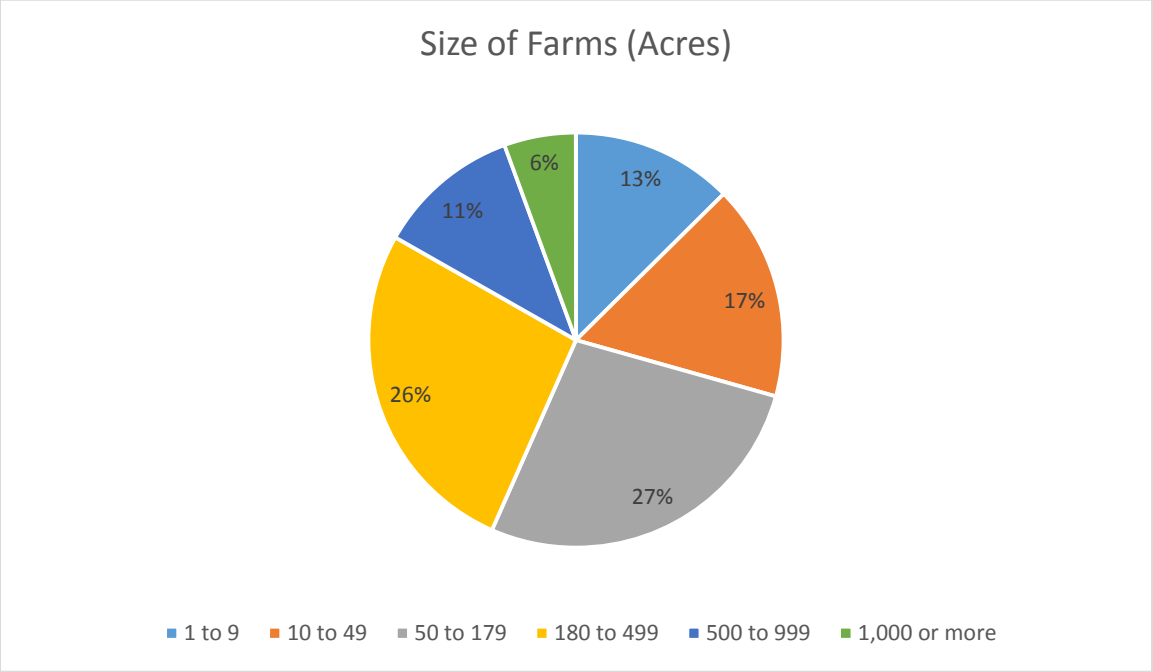
Appendix A: RRRC Food System Survey Results

In spring of 2015, the Rappahannock-Rapidan Regional Commission distributed 1,052 surveys via e-mail or standard mail to producers of edible farm products within the region. VAFEC and its consultant worked with RRRC to include questions within the survey designed to measure the existing utilization of value-added processing, the need for expanded food processing infrastructure in the region and specific commodities that would benefit from additional processing infrastructure, the need for education and training, and the most needed resources to further grow agri-business opportunities for existing and future producers in the region. The mailing list included Piedmont Environmental Council's Buy Fresh – Buy Local participants and contacts of the region's Cooperative Extension Agents. Respondents were given two weeks to respond and 143 producers responded to the survey, representing a 15% response rate.

<u>How would you describe your method of farming?</u>

Fifty-one percent of respondents identified themselves as conventional producers, while 1.4% are USDA certified organic and approximately 26% consider their method of farming to be organic, but are not USDA certified. Approximately 22% of respondents are a mixture of conventional and organic farmers.

The 143 respondents farm 42,953 acres in the region, with an average farm size of 300 acres.



Which of the following did your farm sell in 2014?

The respondents were asked to select all commodities which they sold in 2014. Forty-two of the 143 respondents produce vegetables, although most also produced other livestock and or crops as well. All 143 respondents answered the question.

Commodities Sold in 2014 (check all that apply)	Response Percent	Response Count
Cattle	65.7%	94
Poultry	12.6%	18
Pigs and hogs	11.2%	16
Other livestock	14.0%	20
Dairy	5.6%	8
Eggs	22.4%	32
Fruit, berries and tree nuts	22.4%	32
Vegetables	28.7%	41
Grains	14.0%	20
Other (please specify)	29.4%	42
answered question		**143**
skipped question		**0**

The “other” category included: hay, honey, timber, vineyard/wine, Christmas trees, Llamas and alpacas, lambs (wool), mushrooms, cut flowers, horses herbs, and value-added products.

Do you produce value-added products from your farm?

Forty farmers, or 28% of respondents, indicated they currently produce value-added products at their farm. This number represents an opportunity for VAFEC to recruit these producers to the George Washington Carver Center. More importantly, the other 72% of farmers who are not producing value-added products are prime targets for cultivating into value-added producers. The forty value-added producers identified producing the following products: honey, wine, beef, lamb, jams and jellies, soap (from beef tallow), baked goods, hot sauce, Christmas trees, pickled vegetables, grass-finished beef retail cuts, freezer beef/pork/chicken, wool products, fluid milk and cream, beeswax candles, broth, balms, kombucha, apple products, ravioli, SeaCakes, tincture, tea mix, salves, preserves, nuts, alpaca fleece items, relish, leather items, and packaged meats.

Which of the following market channels do you use to sell your products?

Less than 5% of respondents sell their products to institutions, such as school systems and hospitals. Approximately 36% of respondents sell their products via commodity market channels, while over 60% sell directly to the consumer via farmer’s markets, on-farms stand/store or Community Supported Agriculture (CSA).

Identify the following market channels you use to sell your products (check all that apply)	Response Percent	Response Count
Farmers' Markets	23.2%	33
On-farm stand/store	26.8%	38

Community Supported Agriculture (CSA)	14.1%	20
Restaurants	16.2%	23
Grocery or other retail store	16.2%	23
Institutions (schools, hospitals, etc.)	4.9%	7
Commodity markets/Cooperatives	35.9%	51
Direct to other farmers	31.0%	44
Other (please specify)	32.4%	46
	answered question	**142**
	skipped question	**1**

The "other" category included the following market channels: internets sales, word of mouth, stock sales, U-pick, state graded sale private treaty, website, newspaper, social media, cooperatives, commodity associations, livestock sales/stockyard, auctions and tele-auctions, festivals and art businesses, food packers, friends and family, distributors, wine clubs, sold to broker, food bank, drop-off locations in Northern Virginia.

Approximately how many people visited your farm for agri-tourism or recreation activities in 2014?

Over a third of respondents received visitors from tourism or recreation on their farm in 2014. Merging Virginia's two largest industries, agriculture and tourism, provides an economic boost for local producers. Further, offering value-added products to sell to these visitors provides an opportunity for farmers to increase sales.

Did you receive visitors for tourism or recreation on your farm in 2014?	**Response Percent**	**Response Count**
Yes	38.7%	55
No	61.3%	87
	answered question	**142**
	skipped question	**1**

Of those that received visitors for tourism or recreation in 2014, the average count was 2,675 visitors and the overall total for respondents was 147,142 visitors.

Do you participate in collective marketing efforts such as the farm product directories, agriculture/winery trails, state/local labels, etc.?

Approximately 40% of respondents indicated participation in collective marketing efforts such as farm product directories, agriculture/winery trails, state/local labels, etc. This is important because this shows a strong number of farmers who are willing to work collaboratively to bolster the region as an agricultural hub. Only one respondent skipped this question.

What additional marketing assistance would you like to see?

Fifty-four respondents provided their needs relative to additional marketing assistance. Responses included:

- Promotion

    - Better signage
    - Greater promotion of regional products
    - Producers/growers directory
    - Additional county farm tours
    - Media- and state-sponsored promotion of farm products
    - Collective advertisements (e.g., television, radio, metro area newspapers)
    - Promotion of local farmers markets
    - Promoting restaurants that source local foods
    - Agricultural and wine trails require producers to have an active website (often a cost burden for producers)
- Education
    - Education needed for consumers on food safety and quality
    - Education to consumers regarding purchasing locally-grown products (know where your food comes from)
    - Producers unaware of assistance offerings and options
- Business Development
    - Website development assistance
    - Grant writing assistance
    - Establishing cooperatives
    - Established a food hub
    - Social media
    - Point-of-sale systems at reasonable prices
- Developing Markets
    - Wholesale outlets
    - Marketing to restaurants
    - Collective selling
    - Brokers between producers and consumers
    - Access to agricultural infrastructure

<u>What is the typical distance your products travel to your primary market?</u>

Over 53% of respondents travel between 0 and 25 miles to their primary market. Approximately 18% of respondents travel 26-50 miles and 50-100 miles to their primary market, respectively. Ten percent of respondents' primary market is over 100 miles from the farm.

<u>To what degree do the following factors limit your selling of food products locally?</u>

Respondents were asked which factors limit their selling of food products locally on a scale (Not at all, Slight, Moderate, High, or Greatest limitation). Below is the average rating for each. The higher the rating, the greater the limiting factor to selling products locally.

- Insufficient/limited profit (1.60)
- Labor costs (1.57)
- Time constraints (1.52)
- Lack of processing facilities (1.45)
- Restrictive laws/policies (1.36)
- Difficulty of finding/coordinating with buyers (1.33)

- Lack of distribution system (1.29)
- Unable to produce sufficient quantity to meet demand (1.03)
- Insufficient demand (0.97)

Eighteen respondents selected the "Other" category and listed the following response to factors that limit their ability to sell local food products:

- Not interested in selling locally;
- Unable to find quality and skilled labor/lack of workforce;
- Raw milk policies;
- Contracts with integrators and cooperatives prohibit ability to sell locally;
- Cost to participate at farmers market;
- Homeowners association/neighbors;
- Operating costs are too high and therefore products are too expensive for restaurants; and
- Insufficient land availability in area.

Grouping the number of responses rated "High" or "Greatest Limitation" together, the ranking of factors that limit farmers' ability to sell locally slightly changes. Note the actual number of responses per category is listed in parenthesis. The total number of respondents for this question was 123, while 20 respondents skipped the question.

- Labor costs (36)
- Time constraints (35)
- Lack of processing facilities (33)
- Restrictive laws/policies (30)
- Insufficient/limited profit (29)
- Lack of distribution system (27)
- Difficulty of finding/coordinating with buyers (23)
- Insufficient demand (15)
- Unable to produce sufficient quantity to meet demand (14)

Farmers feel confident in the demand for selling products locally, as well as their ability to supply products to meet that demand. However, insufficient or limited profit, labor costs, and time constraints oftentimes keep producers from selling more of their products locally. Producers also indicated the lack of processing facilities as a major barrier to selling more products to local markets.

<u>Are you interested in expanding your operation (land, infrastructure, training, etc.) within the next three years?</u>

Looking toward the future of their operation, 57% of respondents are interested in expanding their operation within the next three years.

<u>What is your level of interest in the following potential regional infrastructure opportunities?</u>

Respondents were asked to rank their level of interest in the following potential regional infrastructure opportunities on a scale (No interest, Slight, Moderate, High or Very high). A higher ranking indicates greater interest in the specific infrastructure opportunity.

- Meat processing facility (1.60)
- Aggregation and distribution center (1.42)
- Regional labor pool (1.24)
- Community kitchen for value-added processing (1.09)
- Mobile processing for meat (1.06)
- Refrigeration facility (0.99)
- Commercial produce processing facility (0.95)
- Mobile flash freezing unit for produce (0.73)
- Dairy processing (0.63)

Eight respondents selected the “Other” category, which included the following responses:

- Freight/transportation pool at reasonable prices;
- Events/weddings;
- Cooking/baking classes;
- Refrigerated delivery truck;
- Central authority for grape sales; and
- On-farm support for producers.

Grouping the number of responses rated “High” or “Very High” together the ranking is as follows, with the actual number of responses listed in parenthesis. The total number of respondents for this question was 125, while 18 respondents skipped the question.

- Meat processing facility (41)
- Mobile processing for meat (26)
- Regional labor pool (26)
- Aggregation and distribution center (26)
- Commercial produce processing facility (21)
- Community kitchen for value-added processing (18)
- Refrigeration facility (18)
- Mobile flash freezing unit for produce (15)
- Dairy processing (13)

Examining the number of individual responses rated as “No Interest” the ranking is as follows, with the actual number of responses listed in parenthesis. The total number of respondents for this question was 125, while 18 respondents skipped the question.

- Dairy (86)
- Mobile flash freezing unit for produce (79)
- Commercial produce processing facility (73)
- Mobile processing for meat (70)
- Refrigeration facility (66)
- Community kitchen for value-added processing (61)
- Regional labor pool (58)

- Meat processing facility (47)
- Aggregation and distribution center (44)

What is your interest in the following training and education opportunities?

Interest in training and educational opportunities were ranked by respondents on a scale (No interest, Slight, Moderate, High, Very high). A higher ranking indicates greater interest in the referenced topic.

- Soil health management (2.20)
- Beneficial insects (1.80)
- Integrated pest management (1.73)
- Compost systems (1.63)
- Forming or strengthening cooperatives (1.59)
- Expanding production efficiently (1.54)
- Marketing and branding (1.54)
- Labor management (1.17)
- Pesticide certification training (1.12)
- Irrigation (1.08)
- High tunnel production (1.04)
- GAP/HAACP/Food safety training (1.03)
- Crop planning for restaurants and institutional sales (0.94)
- Organic certification training (0.91)

Eight respondents selected the "Other" category and specifically mentioned interest in the following training and education opportunities: farmland preservation; non-herbicide weed control; non-fertilizer pasture improvement; methods to use surface water and still exclude livestock from streams; mentoring for grant writing; collective buying of compostable bags (bulk for discount pricing); marketing benefits of natural fiber clothing to individuals and organizations (DOD military applications); and how to deal with bureaucracy.

What resources, if provided, would help you sell more food locally?

Respondents were asked to identify specific resources required to sell more food locally. This was an open-ended question that led to several different responses. The main categories of responses are as follows:

- Labor
    - Shared labor pool
    - Skilled agricultural labor
- Marketing and Promotional Programs
    - Marketing and promotion programs targeted to DC metro
    - Incentives to consumers for purchasing locally
    - Marketing plan and branding of farm

    - Advertisements
    - Road signage (highways)
    - Centralized local directory of growers
    - Public support by nonprofit orgs (PEC) to restaurants that truly purchase local
- Slaughter and Meat Processing Facility
    - Local slaughter facility
    - Meat processing facility
    - USDA meat inspected slaughter house
    - Mobile meat processing
    - Poultry and livestock abattoirs (not relying on PPIA exemptions for poultry)
- Farmers' Market
    - Permanent year-round farmers' market facility
    - Additional farmers' markets
    - Ability to sell wine at farmers markets
    - Lobbyists to stop corporate-owned farm markets
- Aggregation and Distribution
    - Product distribution from farm to endpoint (very time consuming and takes away from more important aspects of operation)
    - Shared small scale sales outlet/distribution system
    - Distribution mechanisms
    - Broker (connection between producer and consumer)
    - Local aggregation with pick-up services for DC/Charlottesville/Northern Neck
- Sales Outlets
    - Shared small scale sales outlet/distribution system
    - Cooperative retail food store
    - Cooperatives using CSA methods to provide distant customers with a variety of product
    - Established sales channels
    - Guidance to producers on establishing effective relationships directly with chefs
    - Restaurants posting wish list of product items
- Consumer Education
    - Educating consumers on paying fair price for healthy food
    - More awareness toward public of the quality of Virginia wine
    - Consumers talk the talk, but there is limited follow-through. We find restaurants routinely buy small quantities in order to use our name on menus then substitute commodity products for bulk of demand.
- Incentives for producers
    - Cash incentives for producer involvement with local food initiatives
    - Infrastructure grants for individual farms
    - Incentives to put more land into sustainable and productive agricultural production (most everything we sell is consumed in this region, need more people and more operations to be productive and economically and environmentally responsible)

- Infrastructure
  - Refrigeration facility
  - Dairy facility/creamery
  - Refrigerated small truck/van
  - Rentable commercial kitchen for value-added production
  - Patron/funding to develop an agri-center
- Other
  - Finding demand (more customers purchasing locally)
  - Marketing, processing, and distribution would need to be in place
  - Expenses too high
  - Have more demand than product
  - More and better land and bee forage crops
  - Don’t sell locally
  - Satisfied with present methods
  - As a small farmer the profit margins are not in place to sell wholesale. I can stay small, not hire help and keep profits OR get bigger, hire help, sell wholesale and make less profit.

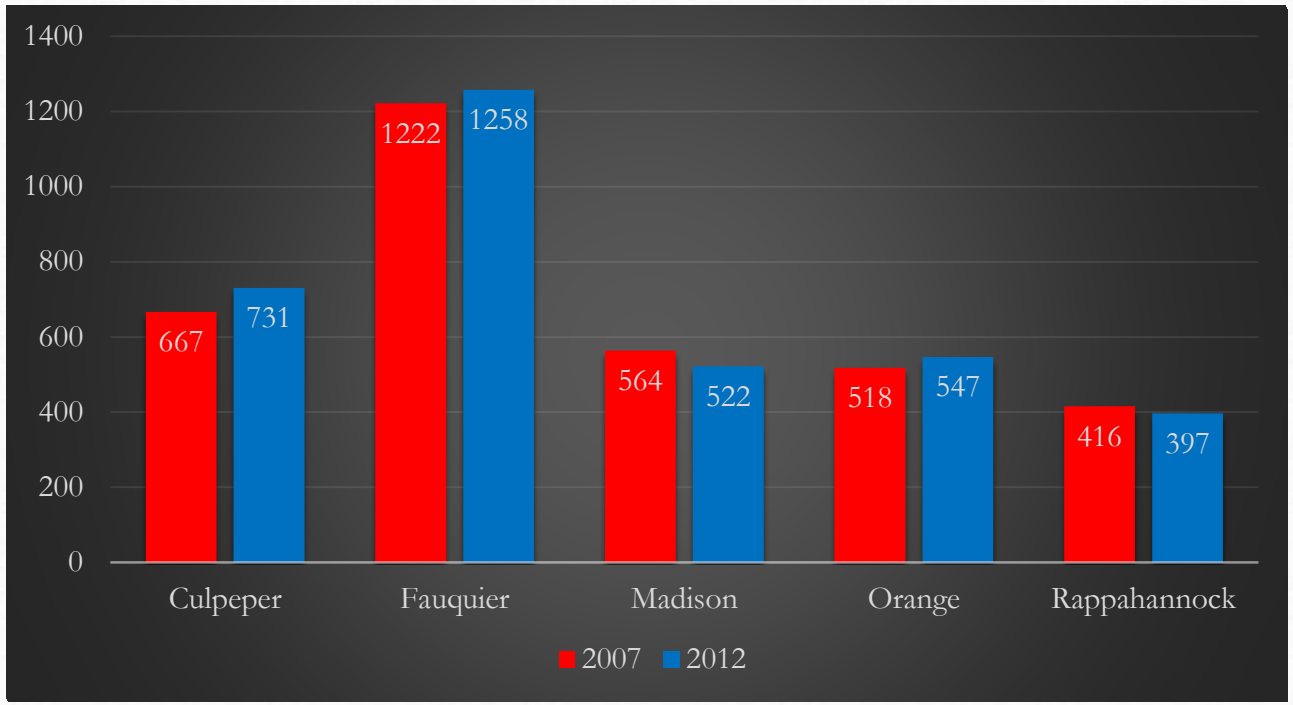
Appendix B: Regional Agricultural Profile

Agricultural Profile

Data compiled based on 2012 and 2007 United States Department of Agriculture (USDA) Census, carried out on a 5-year cycle.

All farms in the Rappahannock-Rapidan Region are not registered with the USDA and therefore not surveyed. Data included within likely understates edible food production figures and processing.

Number of Farms

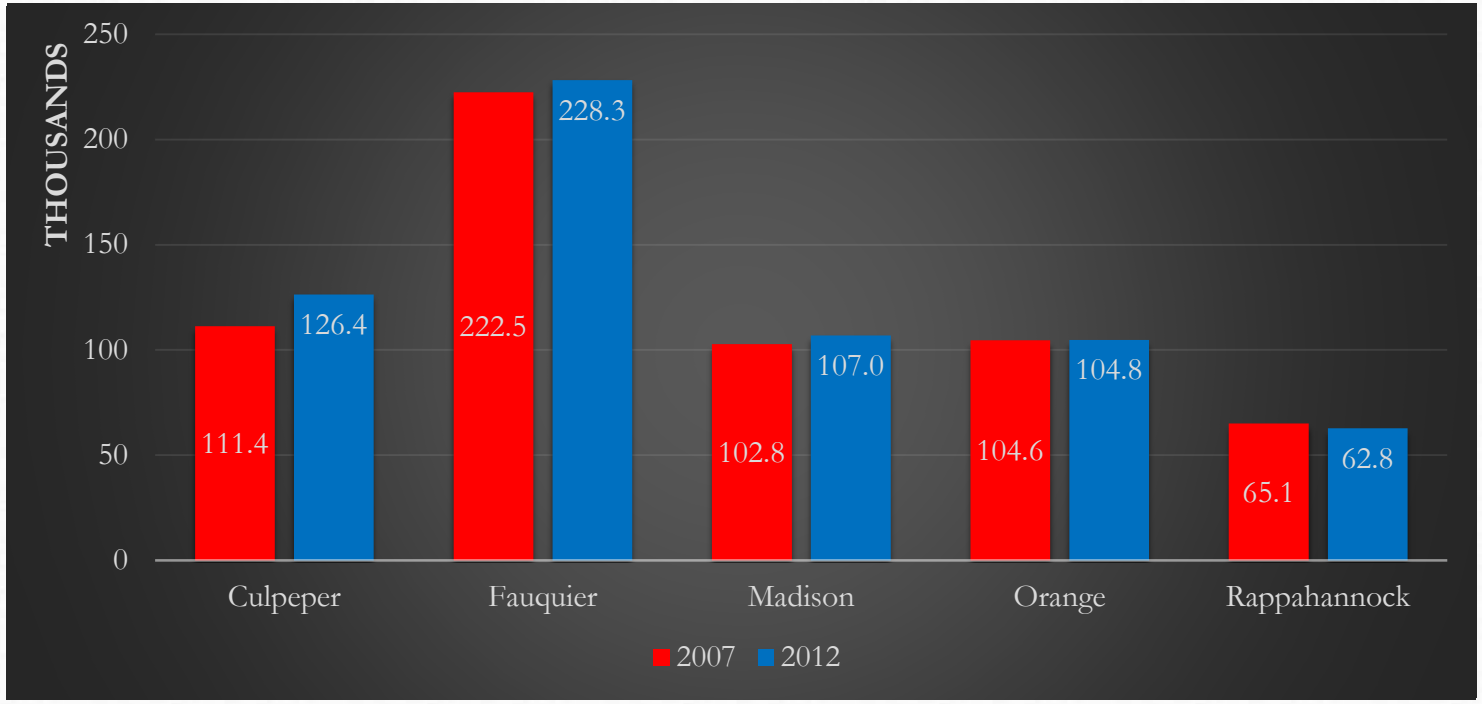


Virginia: 46,030 farms (2012)

Region represents 7.5% of all farms in Virginia.

Compared to 2007 data, only Madison and Rappahannock show a decrease in number of farms in 2012.

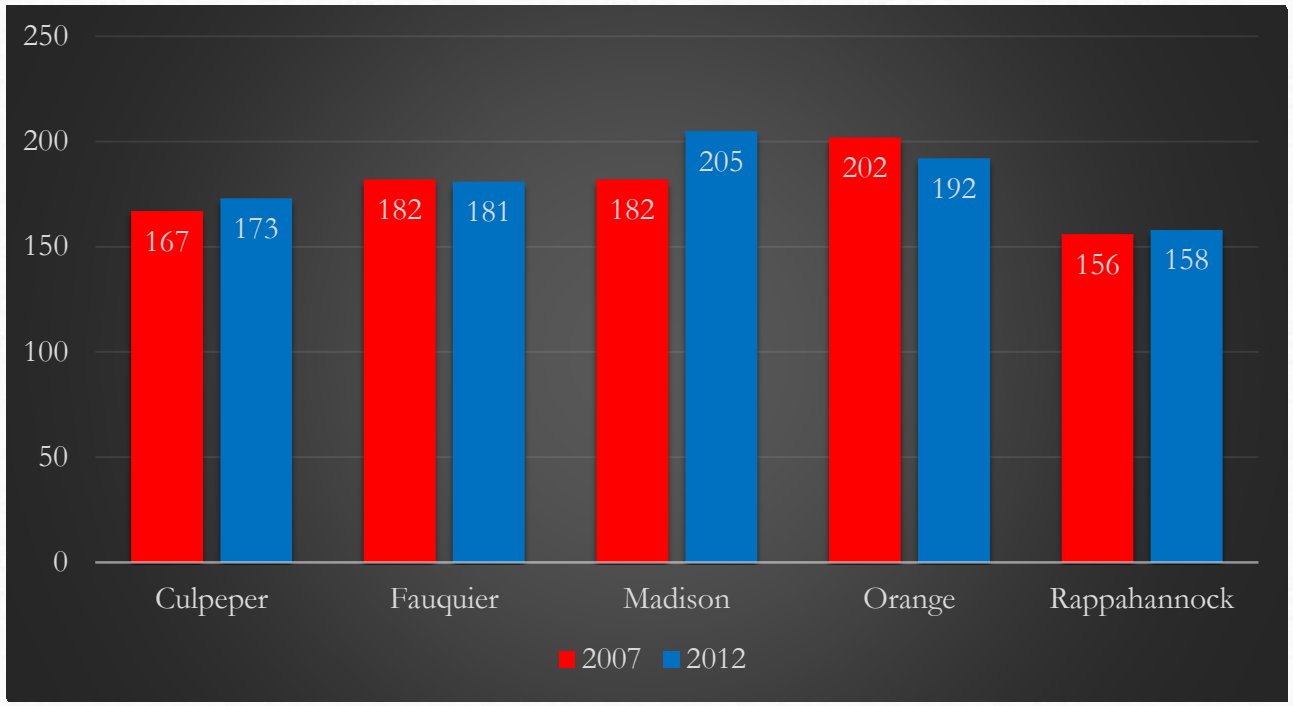
Land in Farms (acres)



Culpeper gained over 15,000 acres in farmland compared to 2007 data.

Rappahannock was the only county to lose acreage in 2012.

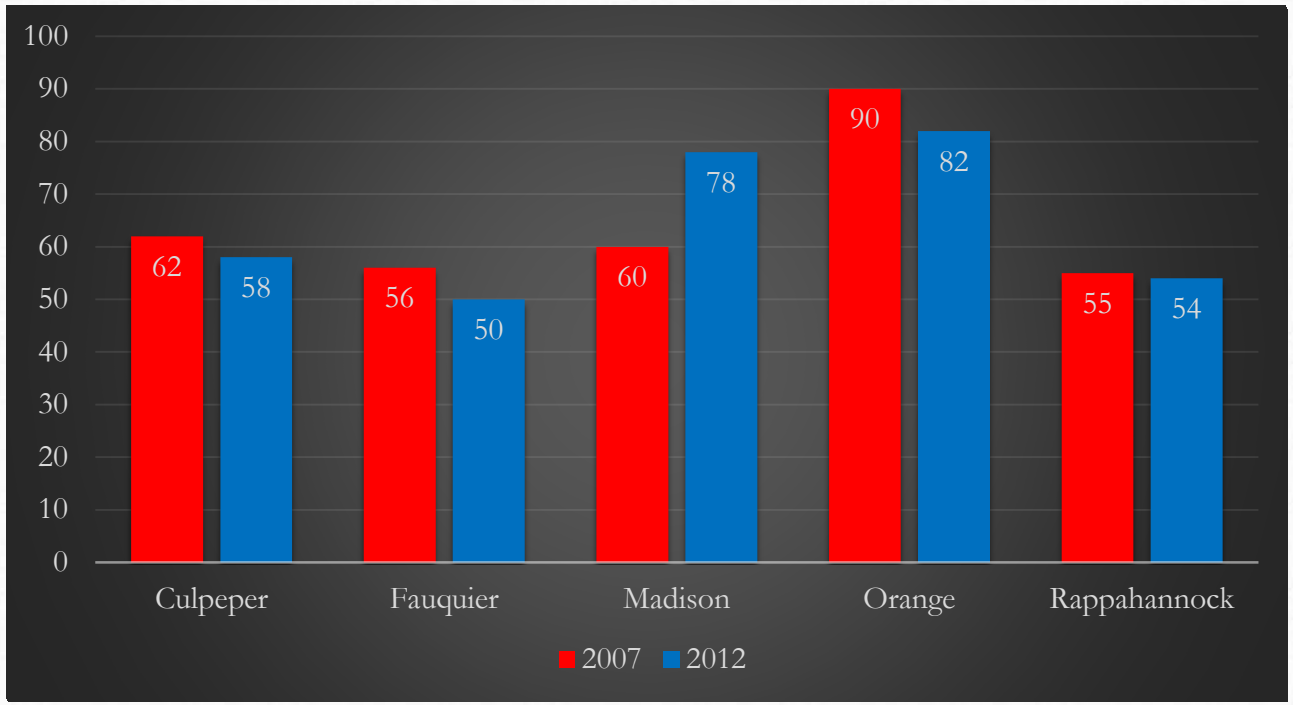
Average size of farms (acres)



The average farm size increased in Culpeper (6 acres), Madison (23 acres), and Rappahannock (2 acres) counties between 2007 and 2012.

Orange County showed a decrease in average farm size by 10 acres, and Fauquier County by 1 acre.

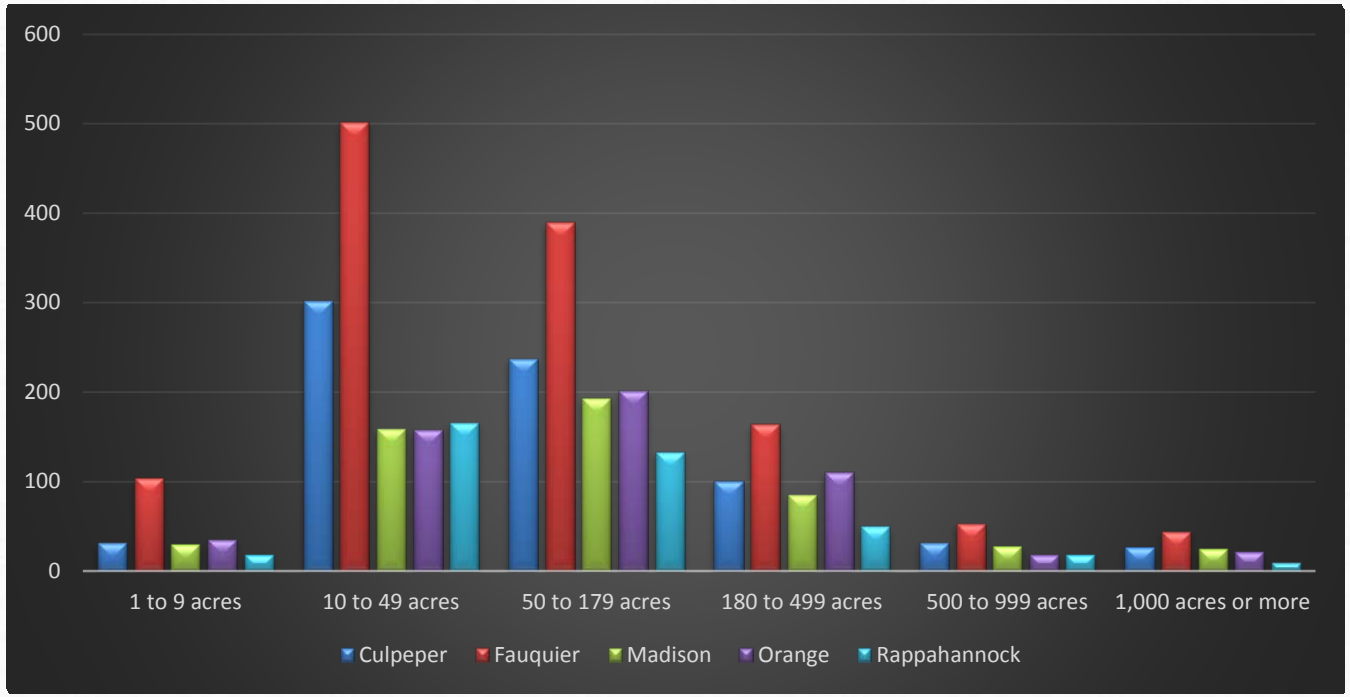
Median size of farms (acres)



Madison County was the only in the region to show an increase in the median size of farms, by 18 acres.

Orange County showed the greatest decrease in median size (8 acres) of farms among counties losing acreage.

Number of farms by size



Culpeper County was the only in the region to show an increase in farm size across all acreage categories.

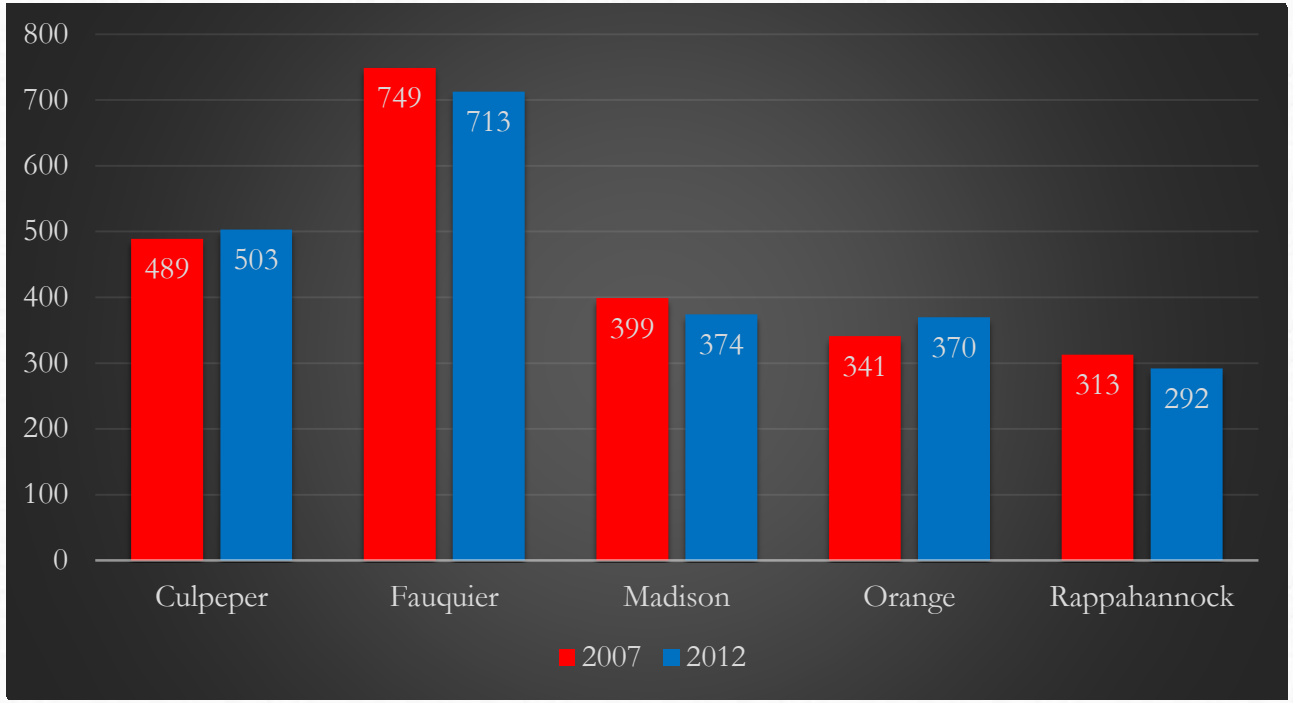
Fauquier County has 62 more farms under 50 acres compared to 2007. The county also lost 37 farms between 50 – 499 acres.

There are 59 fewer farms under 50 acres in Madison County.

Orange County lost 8 farms with acreage over 500 between 2007 and 2012.

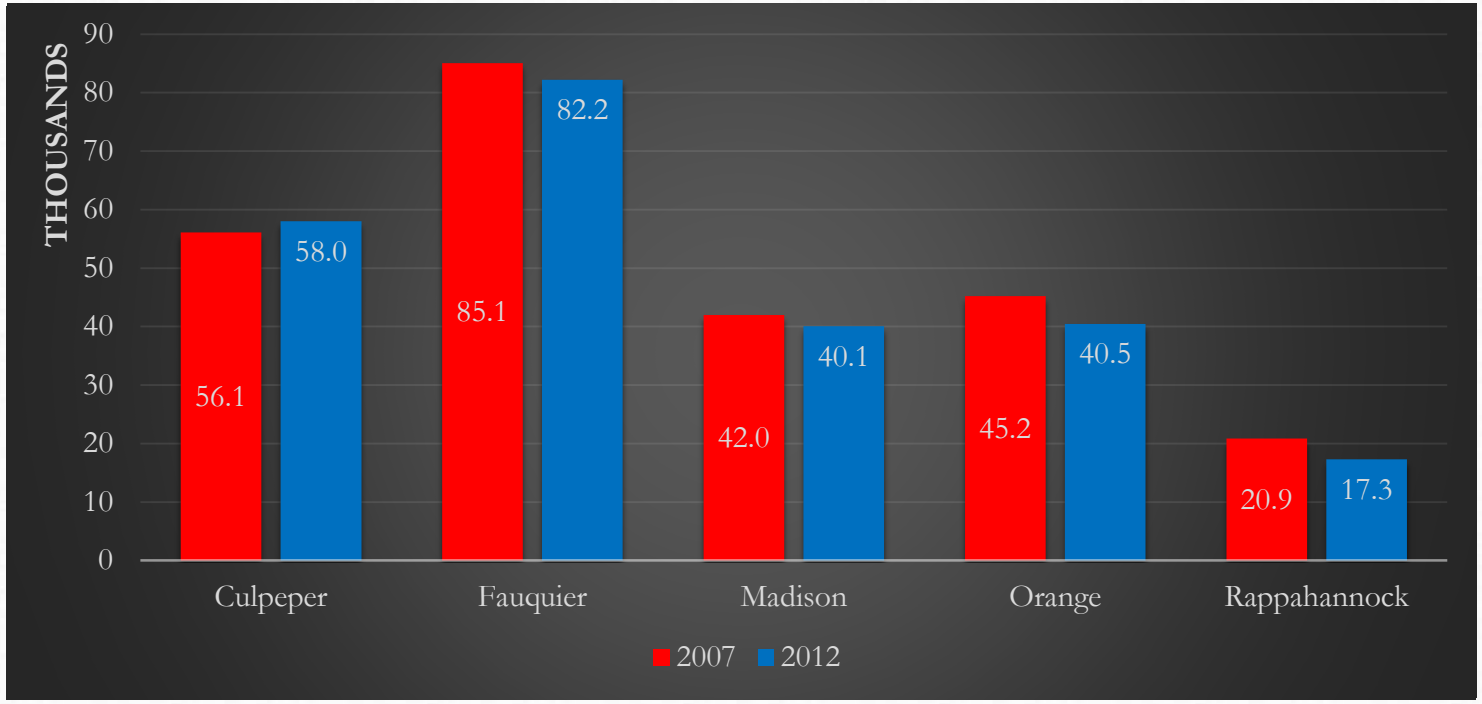
There are 6 additional farms in Rappahannock County with acreage between 500-999, however the county lost 24 farms between 10 and 500 acres.

Total Cropland – Number of farms



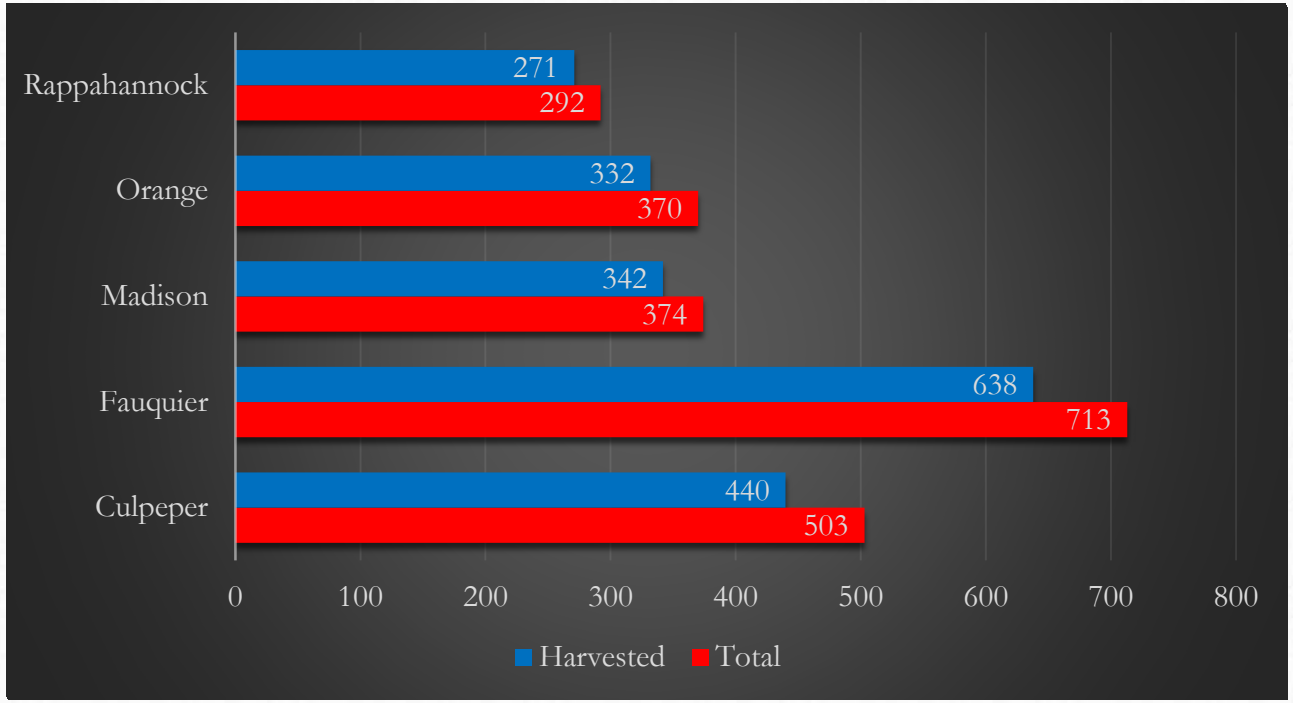
Culpeper and Orange counties have more farms in cropland in 2012 compared to 2007. All other counties show a decrease.

Total Cropland (acres)



Culpeper County gained approximately 2,000 cropland acres from 2007 to 2012, while all other counties lost between approximately 2,000 and 4,800 cropland acres.

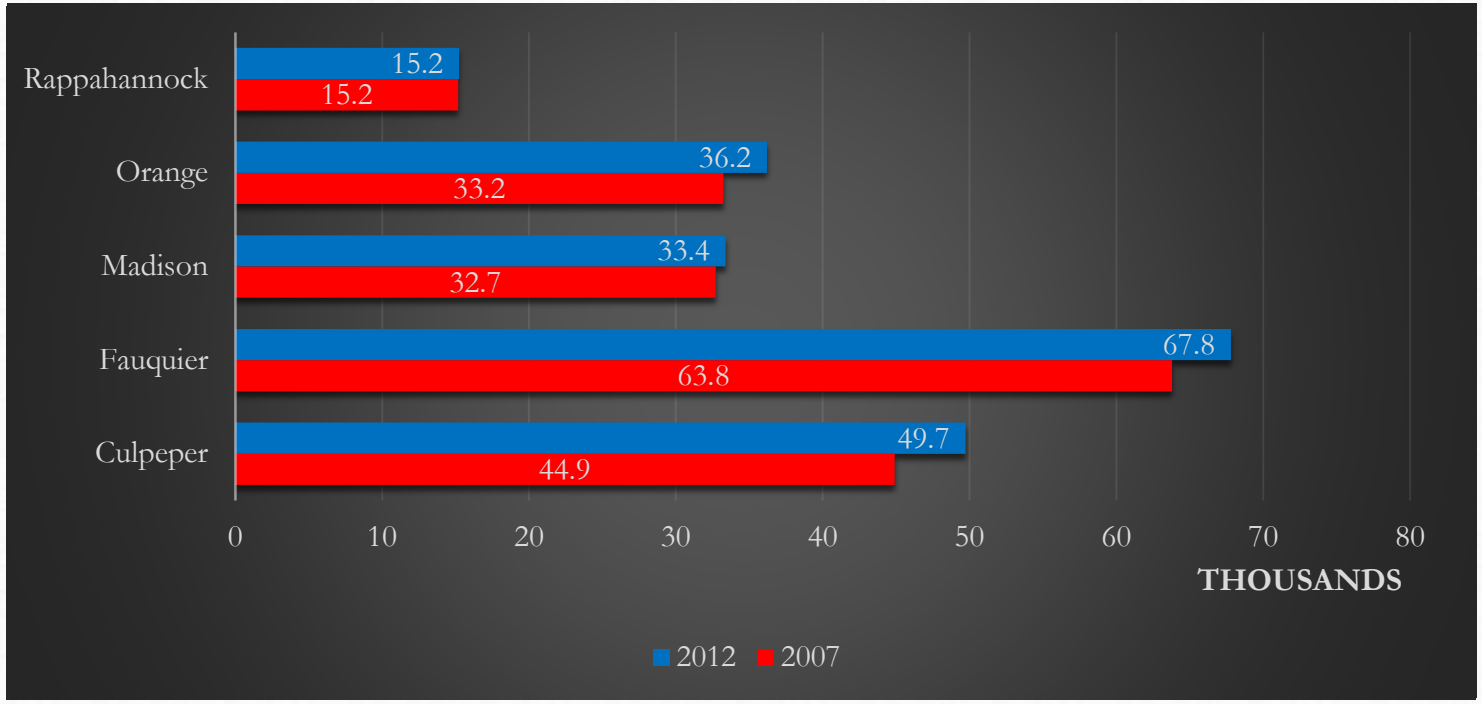
Harvested Cropland v. Total Cropland
Number of farms



Rappahannock County has the highest percentage of harvested cropland relative to total cropland (93%).

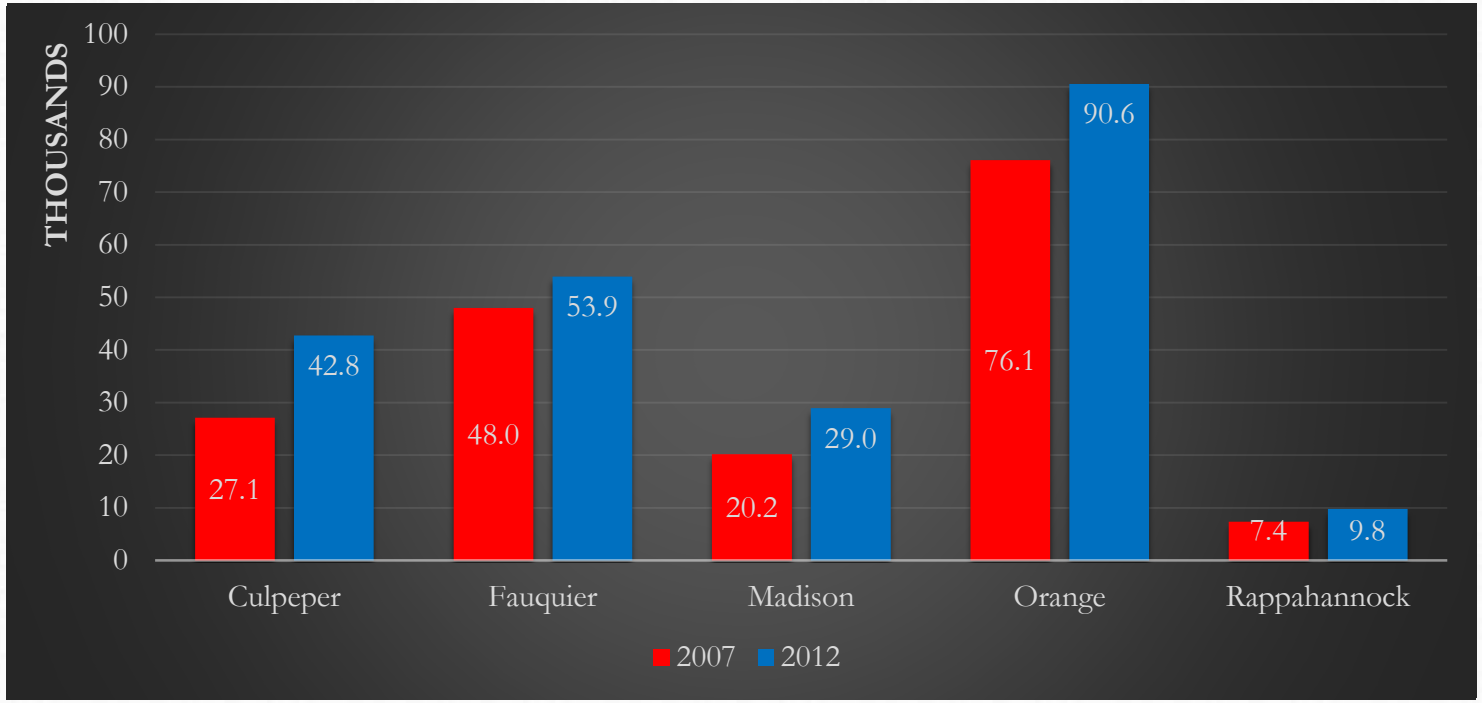
Culpeper County has the lowest percentage of harvested cropland (87%) over total cropland.

Harvested Cropland v. Total Cropland Acres



Culpeper County gained approximately 2,000 cropland acres from 2007 to 2012, while all other counties lost between approximately 2,000 and 4,800 cropland acres.

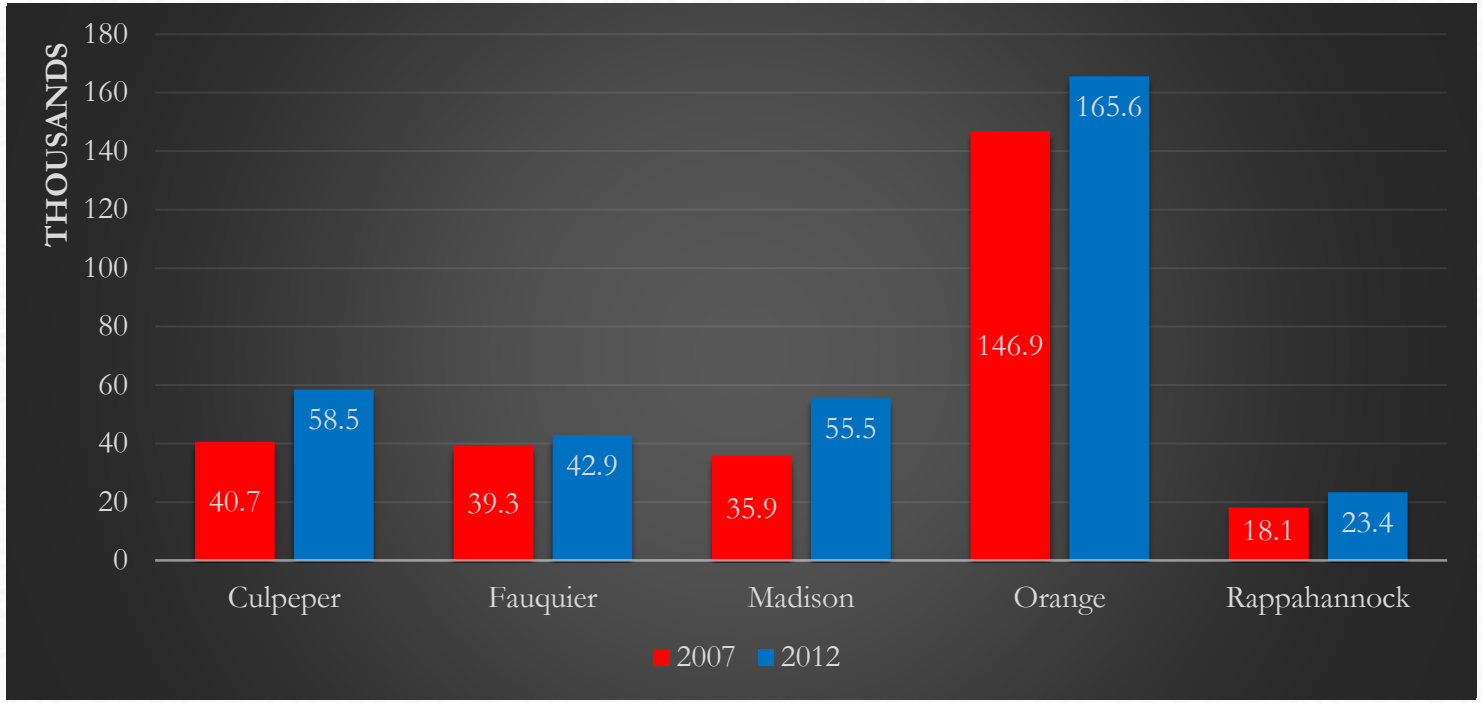
Market value of agricultural products sold ($1,000)



Culpeper and Orange counties increased the market value of ag products by approximately $15.65M between 2007 and 2012.

All counties showed an increase, with Rappahannock representing the smallest increase at $1,742M.

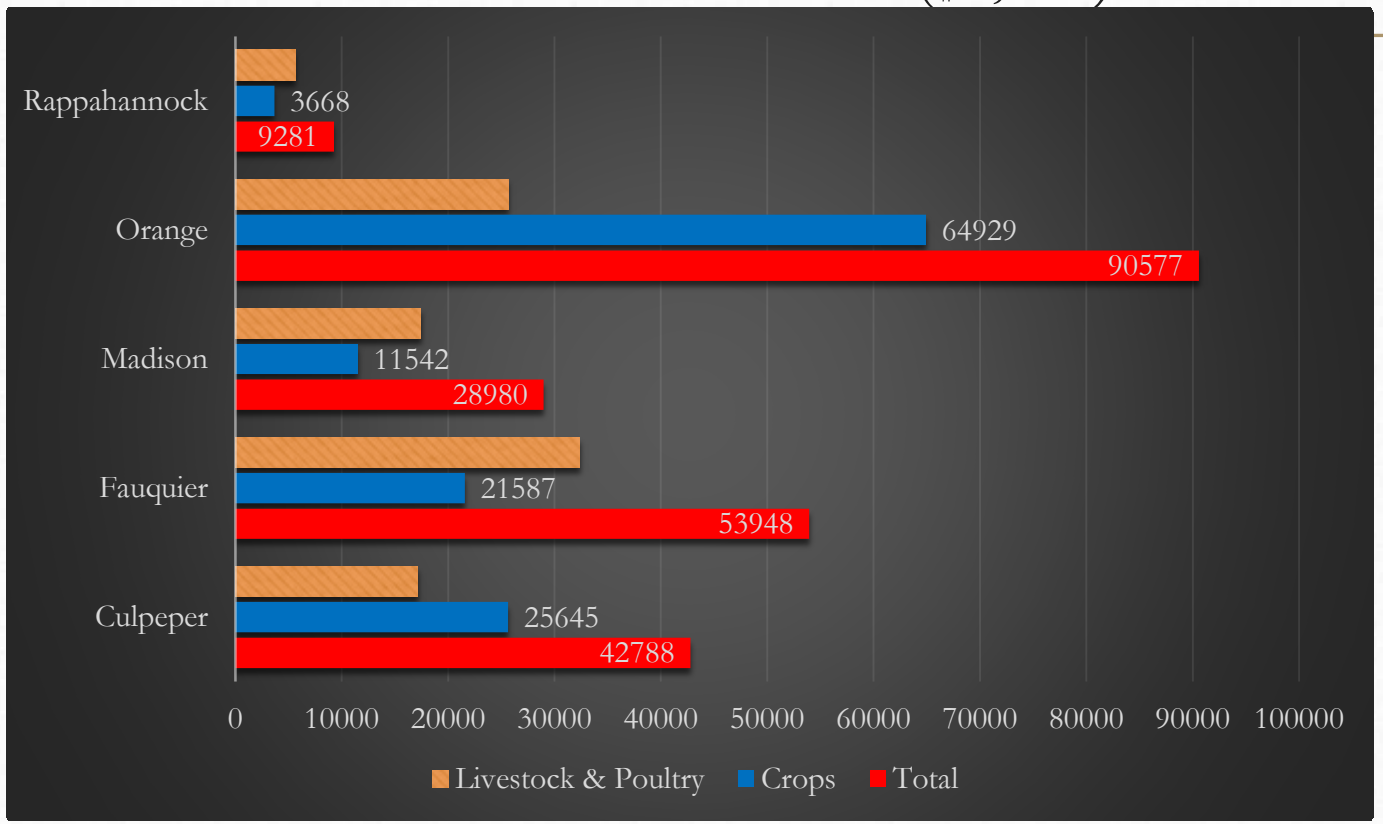
Market value of agricultural products sold
Average per farm (dollars)



The average market value of ag products sold per farm increased in each county from 2007 to 2012.

Market value of agricultural products

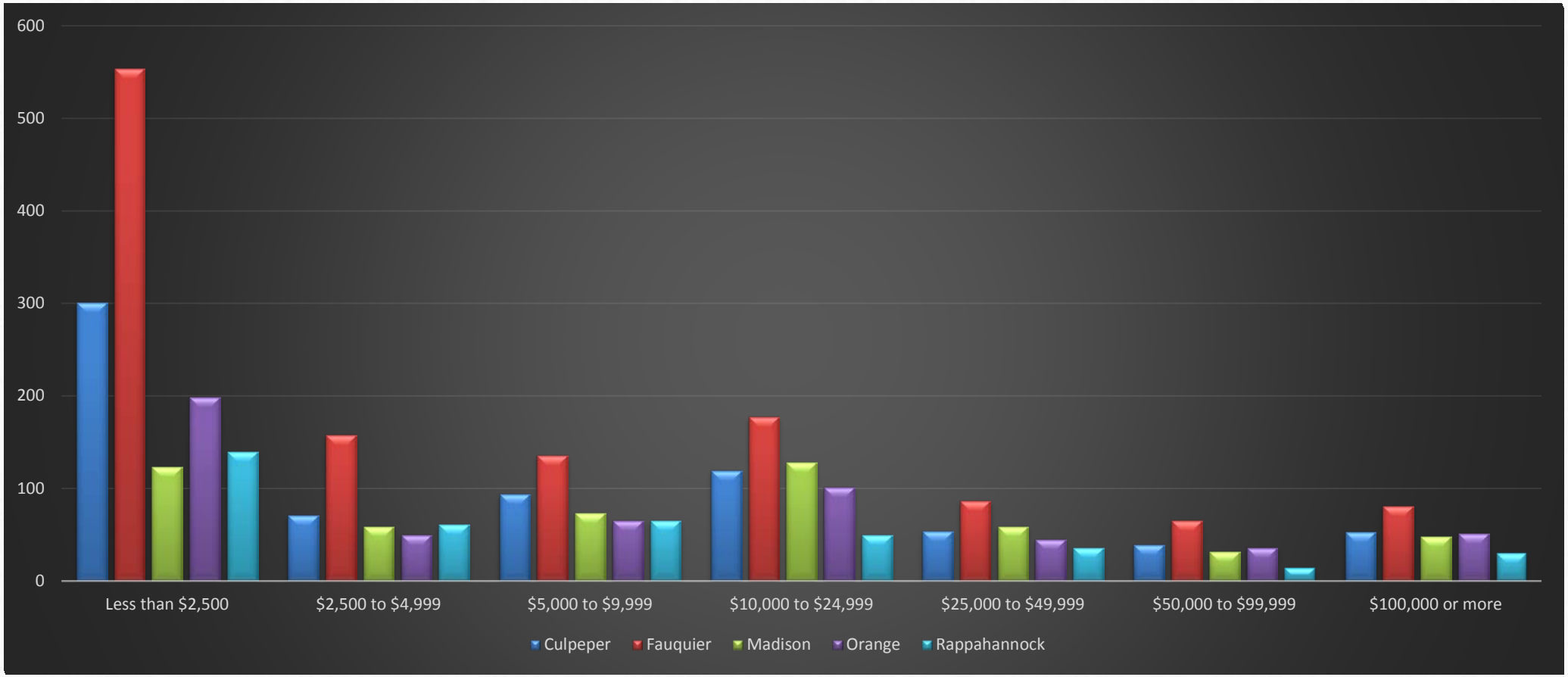
Crops (incl. nursery & greenhouse); Livestock, poultry and their products ($1,000)



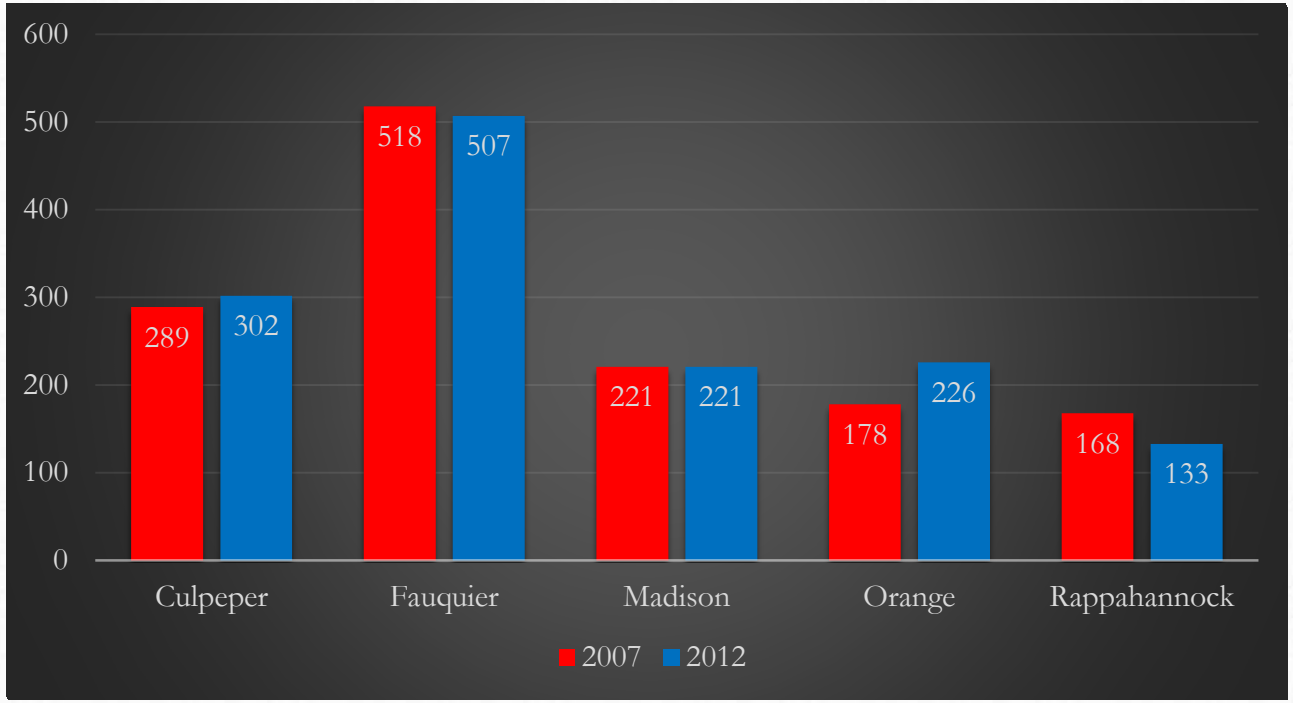
Fauquier County was the only one in region to report a decrease in market value of ag products (livestock & poultry).

Orange and Culpeper counties have a greater market value for crops compared to livestock & poultry.

Farms by value of sales (2012)



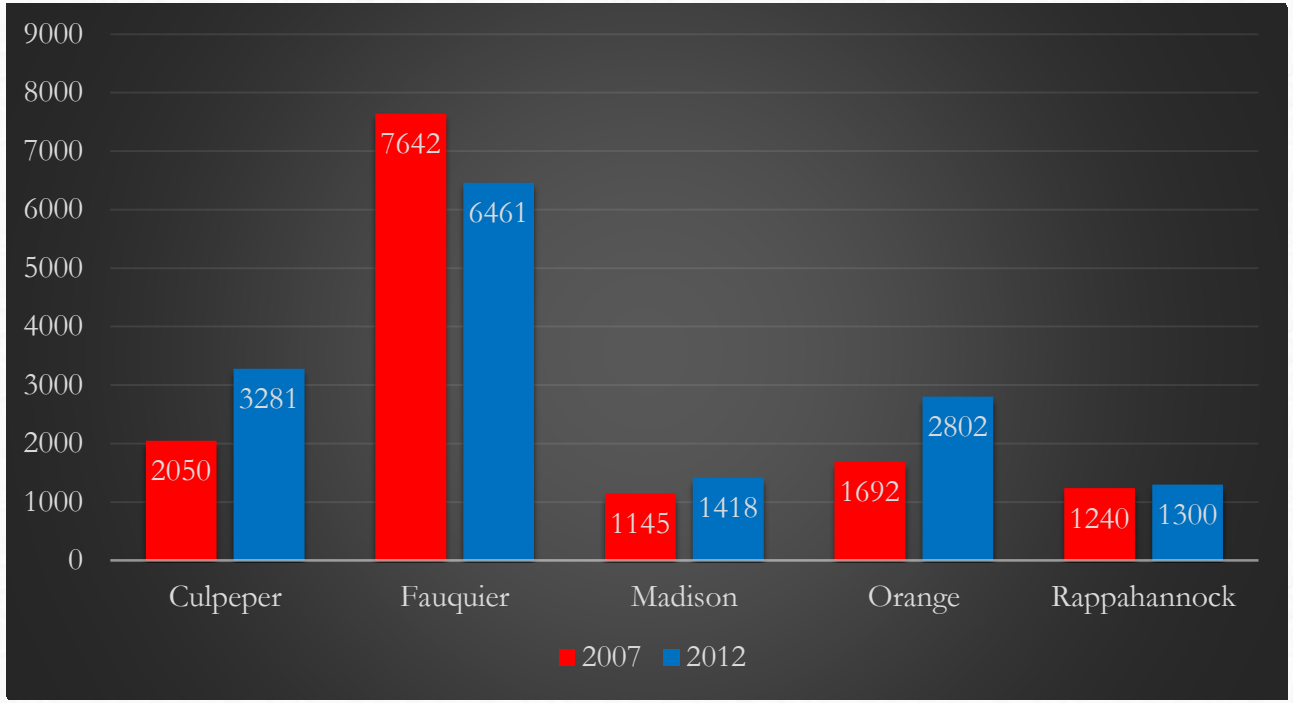
Total income from farm-related sources (gross, before taxes & expenses)
Number of farms



Fauquier and Rappahannock counties show fewer farms earning income from farm sales; whereas Culpeper and Orange counties show an increase and Madison County unchanged.

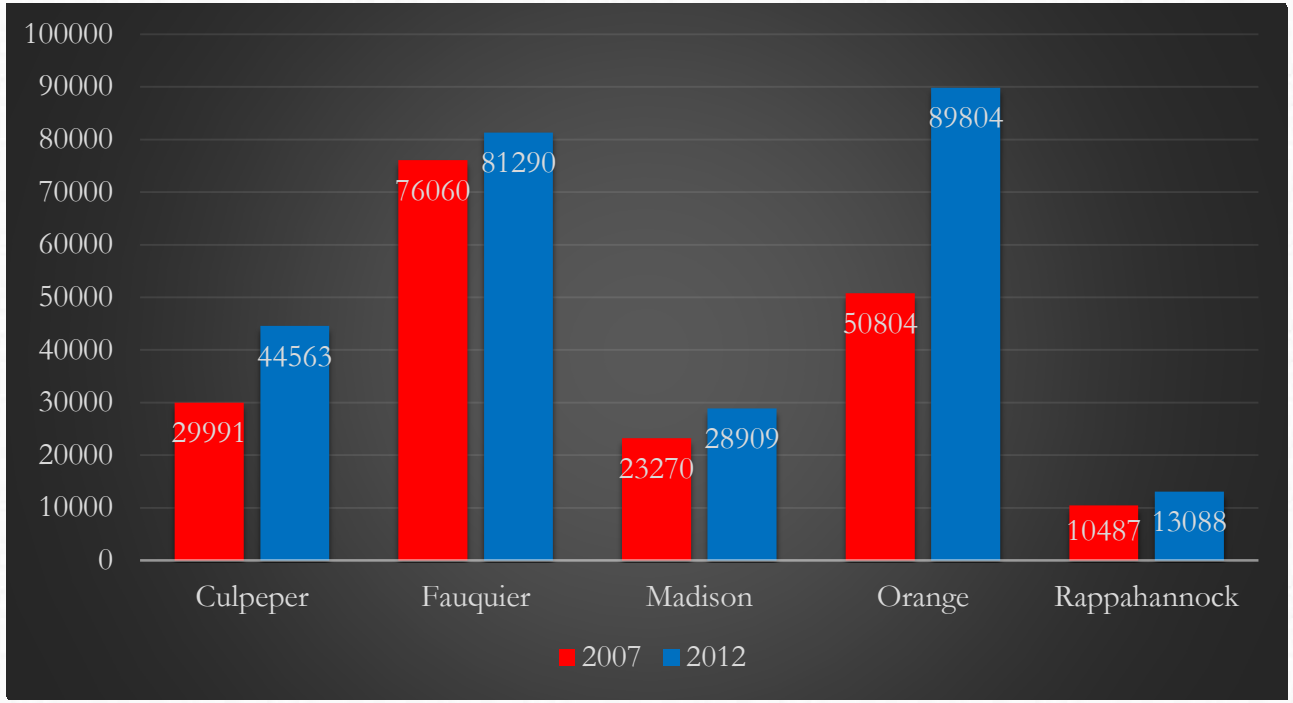
Total income from farm-related sources (gross, before taxes & expenses)

Amount ($1,000)



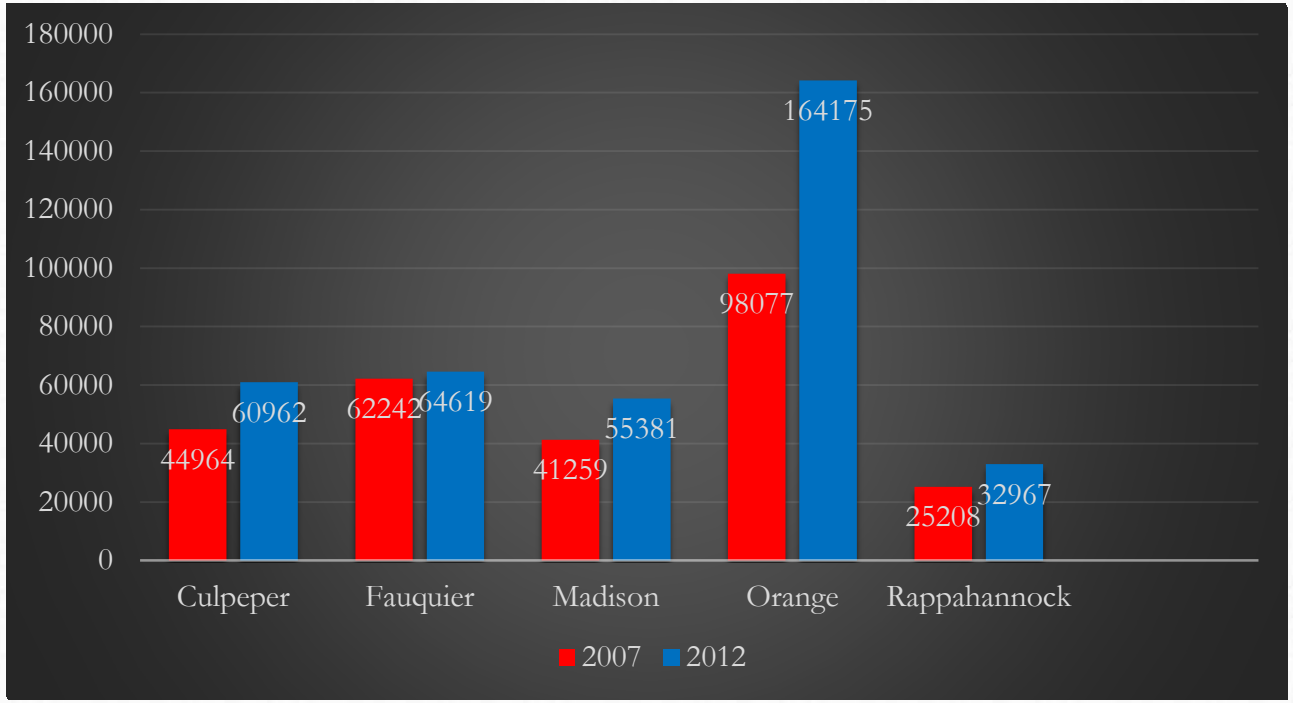
Fauquier County generated less income from farm sales between 2007 and 2012. All other counties reported an increase.

Total farm production expenses
Amount ($1,000)



All counties in the region reported higher production expenses compared to 2007, with Orange County showing the highest increase ($39M) and Rappahannock the lowest increase ($2.6M)

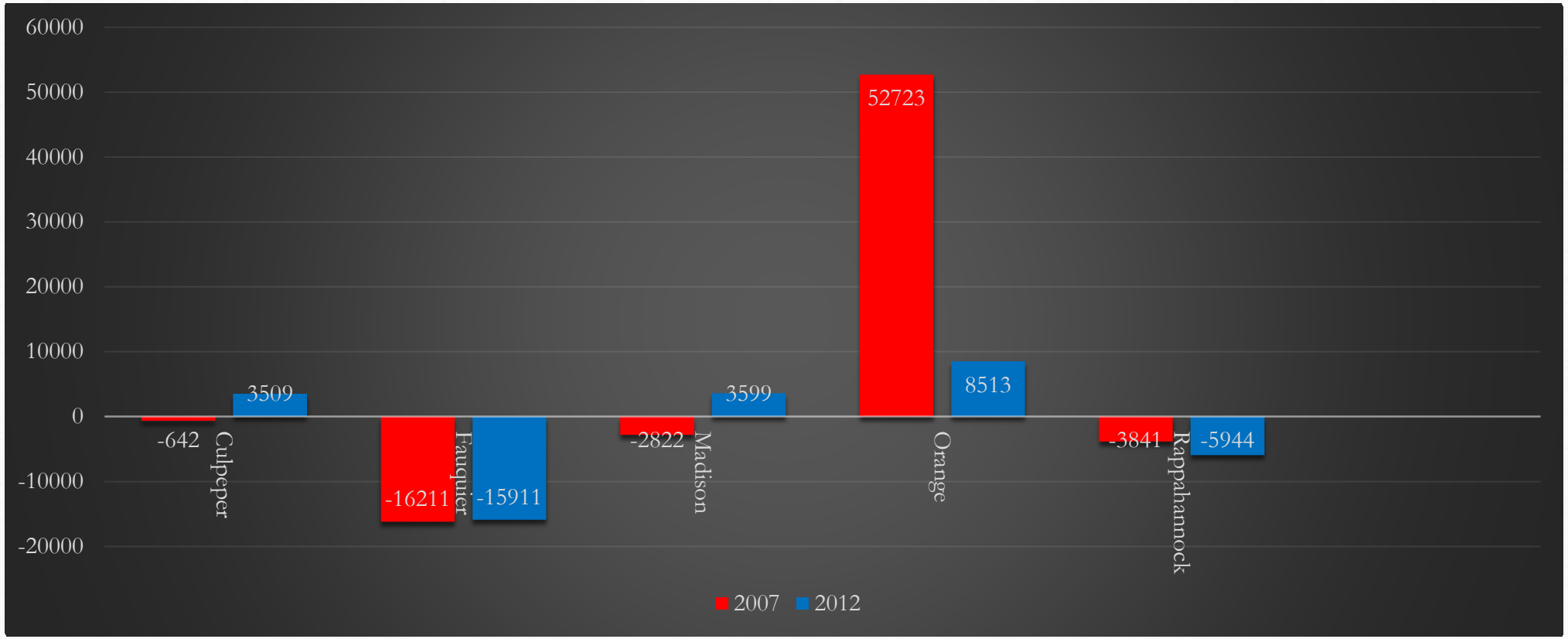
Farm production expenses
Average per farm (dollars)



The average farm production expenses increased for each county between 2007 and 2012, with Orange County farms representing the highest increase ($66,098).

Net cash farm income of operation Amount ($1,000)

Net cash farm income of operation
Average per farm (dollars)



Livestock & Poultry (number head)

2012

Livestock & Poultry	Culpeper	Fauquier	Madison	Orange	Rappahannock	Region Totals (% VA)
Cattle & calves (inv.)	26,161	49,983	29,071	21,030	11,645	**137,890 (8.4%)**
Beef cows (n)	12,075	18,155	12,255	9,775	6,425	**58,685 (8.9%)**
Milk cows (n)	2,210	3,732	1,072	1,387	67	**8,468 (9.0%)**
Cattle & calves sold	12,016	24,964	13,747	9,778	5,479	**65,984 (7.8%)**
Hogs & pigs (inv.)	393	665	724	354	369	**2,505 (1.0%)**
Hogs & pigs sold	619	453	1,061	117	323	**2,753 (0.5%)**
Sheep & lambs (inv.)	836	1,256	900	465	461	**3,918 (4.6%)**
Layers (inv.)	3,825	8,550	1,984	1,876	1,490	**17,725 (0.6%)**
Broilers & other meat-type chickens sold	2,250	10,751	1,580	300	1,650	**16,531 (<0.007%)**

Goats – Milk & Meat

2012

Goats	Region Totals	% VA
Milk Goats		
Number of farms (inv.)	90	12.7%
Number of head (inv.)	448	7.1%
Sales	$26,000	6.4%
Meat Goats		
Number of farms (inv.)	203	7.4%
Number of head (inv.)	2,802	6.5%
Sales	$114,000	3.4%

Selected crops harvested
Region comparison, 2007 and 2012

Corn for grain: increase in number of farms, acreage and production (970K bu).

Corn for silage/greenchop: decrease in number of farms, acreage and tonnage.

* 18.7% of region's harvested cropland is planted in corn

All wheat for grain: increase in number of farms, acreage and production (100K bu).

Vegetables, Potatoes, and Melons Harvested for Sale

2012

Livestock & Poultry	Culpeper	Fauquier	Madison	Orange	Rappahannock	Region Totals (% VA)
Veg. Harvested (n)	32	32	25	19	10	**118 (7.1%)**
Veg. Harvested (ac)	67	138	63	59	59	**386 (1.7%)**
Veg. Harvested for processing (n)	2	3	D	1	1	**7 (3.8%)**
Veg. Harvested for processing (acres)	D	1	D	D	D	**1 (0.02%)**
Veg. Harvested for fresh market (n)	32	32	25	19	10	**118 (7.3%)**
Veg. Harvested for fresh market (acres)	D	138	63	D	D	**201 (1.1%)**

Vegetables, Potatoes, and Melons Harvested for Sale

2012 – Region

Produce type	Number of farms (change)	Acres (change)	Number farms processing
Asparagus	14 (+4)	5	5
Beans, Snap (bush & pole)	64 (+36)	21 (+5)	3
Beets	14 (+5)	1	0
Broccoli	6 (-1)	D	0
Cabbage, All (Chinese & Head)	12 (+1)	D	0
Cantaloupes & Muskmelons	37 (+5)	14 (-5)	0
Carrots	5	D	0
Cauliflower	2	D	0

Vegetables, Potatoes, and Melons Harvested for Sale (cont'd)

2012 - Region

Produce type	Number of farms (change)	Acres (change)	Number farms processing
Collards	5	6	0
Cucumbers & Pickles	54 (+5)	15 (+3)	2
Eggplant	6 (+1)	D	0
Garlic	9	3	0
Herbs, fresh cut	11 (-1)	D	0
Kale	4	D	0
Lettuce, All	19 (+6)	6	0
Mustard Greens	2	D	0
Okra	2	D	0

Vegetables, Potatoes, and Melons Harvested for Sale (cont'd)

2012 - Region

Produce type	Number of farms (change)	Acres (change)	Number farms processing
Onions, All	8	1	0
Parsley	4	D	0
Peas, All (Chinese & Green)	3	D	0
Peppers, All	20 (-7)	3 (-2)	0
Potatoes	57 (+36)	25	2
Pumpkins	9 (-3)	39 (+2)	0
Radishes	2	D	0
Rhubarb	3 (-3)	D	0
Spinach	2	D	0

Vegetables, Potatoes, and Melons Harvested for Sale (cont'd)

2012 - Region

Produce type	Number of farms (change)	Acres (change)	Number farms processing
Squash, All	13 (+2)	8	0
Sweet Corn	31 (+12)	48 (+17)	0
Sweet Potatoes	6	D	0
Tomatoes in the open	87 (+44)	67 (+34)	1
Turnips	2	D	0
Watermelons	39 (+18)	9	0
Other Vegetables	18 (+6)	14 (-5)	0

Land in Orchards

2012

Total	Region Totals (change)	% VA
Number of Farms	167 (+4)	12.2%
Number of Acres	1,513 (-7)	7.9%

Fruit & Nuts

2012 - Region

Produce type	Number of farms	Acres	Bearing Age Acres (% ac)
Noncitrus, All	165 (81.2% bearing age)	D	D
Apples	78	556	67.3%
Apricots	1 (100% bearing age)	D	D
Cherries, Sweet	9 (22.2% bearing age)	D	D
Cherries, Tart	10 (60% bearing age)	D	D
Figs	4 (100% bearing age)	D	D
Grapes	95	737	85.1%
Kiwifruit	4 (0% bearing age)	D	D
Peaches, All	55	142	9.9%*

Fruit & Nuts

2012 - Region

Produce type	Number of farms	Acres	Bearing Age Acres (% ac)
Pears, All	32	14	14.3%*
Plums & Prunes	7 (71.4% bearing age)	D	D
Other Noncitrus fruit	1 (100% bearing age)	D	D
Nuts, All	8 (37.5% bearing age)	D	D

Land in Berries

2012

Total	Region Totals (change)	% VA
Number of Farms	85 (+47)	10.6%
Number of Acres	81 (+45)	7.2%

Berries

2012 - Region

Produce type	Number of farms	Acres	Harvested (% ac)
Blackberries & Dewberries	37	8*	112.5%*
Blueberries, All	48 (64.5% harvested)	28*	25%*
Raspberries, wild	50	16*	56.3%*
Strawberries	35	14*	68.8%
Other berries	1 (100% harvested)	D	D

County Profile – Culpeper (2012)

Top Crop Items	Quantity (acres)	State Rank
Forage-land (hay/silage)	29,327	13
Soybeans for beans	9,132	25
Corn for grain	7,144	19
Corn for silage	2,022	15
Sod harvested	D	2

Top Livestock Inventory Items	Quantity (number)	State Rank
Cattle and calves	26,161	23
Layers	3,825	24
Horses & ponies	2,772	5
Broilers & other meat-type chickens	2,470	23
Sheep & lambs	836	27

Top Value of Sales by Commodity Group	Quantity ($1,000)	State Rank
Grains, oilseeds, dry beans & peas	12,119	21
Nursery, greenhouse, floriculture, and sod	10,248	6
Cattle & calves	8,384	25
Milk from cows	7,190	8
Other crops & hay	2,662	20

County Profile – Fauquier (2012)

Top Crop Items	Quantity (acres)	State Rank
Forage-land (hay/silage)	40,003	6
Corn for grain	10,796	11
Soybeans for beans	9,659	23
Corn for silage	4,862	6
Wheat for grain, all	1,367	42

Top Livestock Inventory Items	Quantity (number)	State Rank
Cattle and calves	49,983	8
Broilers & other meat-type chickens	16,247	22
Layers	8,550	19
Horses & ponies	5,282	2
Goats, all	1,601	6

Top Value of Sales by Commodity Group	Quantity ($1,000)	State Rank
Cattle & calves	17,196	12
Milk from cows	12,154	5
Other crops & hay	3,292	8
Horses & ponies	2,141	3
Nursery, greenhouse, floriculture and sod	2,006	24

County Profile – Madison (2012)

Top Crop Items	Quantity (acres)	State Rank
Forage-land (hay/silage)	20,236	27
Soybeans for beans	6,050	31
Corn for grain	5,109	24
Corn for silage	1,095	23
Wheat for grain, all	880	50

Top Livestock Inventory Items	Quantity (number)	State Rank
Cattle and calves	2,9071	19
Turkeys	D	9
Layers	1,984	36
Horses & ponies	971	34
Sheep & lambs	900	26

Top Value of Sales by Commodity Group	Quantity ($1,000)	State Rank
Cattle & calves	12355	21
Milk from cows	3542	21
Other crops & hay	1337	40
Nursery, greenhouse, floriculture and sod	1265	32
Fruits, tree nuts, and berries	955	14

County Profile – Orange (2012)

Top Crop Items	Quantity (acres)	State Rank
Forage-land (hay/silage)	20425	26
Soybeans for beans	6804	29
Corn for grain	4681	26
Wheat for grain, all	3468	24
Winter wheat for grain	3468	24

Top Livestock Inventory Items	Quantity (number)	State Rank
Turkeys	148007	6
Cattle & calves	21030	28
Horses & ponies	1908	9
Layers	1876	39
Quail	D	3

Top Value of Sales by Commodity Group	Quantity ($1,000)	State Rank
Nursery, greenhouse, floriculture and sod	54381	1
Poultry & eggs	11524	12
Cattle & calves	7861	28
Grains, oilseeds, dry beans & peas	7824	30
Milk from cows	5148	14

County Profile – Rappahannock (2012)

Top Crop Items	Quantity (acres)	State Rank
Forage-land (hay/silage)	14,073	40
Apples	308	10
Soybeans for beans	D	70
Corn for grain	186	81
Grapes	132	6

Top Livestock Inventory Items	Quantity (number)	State Rank
Cattle & calves	11645	46
Layers	1490	50
Horses & ponies	887	39
Sheep & lambs	461	41
Goats, all	417	44

Top Value of Sales by Commodity Group	Quantity ($1,000)	State Rank
Cattle & calves	4477	44
Other crops & hay	1157	47
Fruits, tree nuts, and berries	978	13
Nursery, greenhouse, floriculture and sod	781	43
Horses & ponies	573	11

What do the numbers mean?

- Growing diversity of products being grown and produced in region – particularly berries, vegetables, hogs/pigs, sheep/lambs, layers and broilers.
- High numbers of cattle & calves (although beef & dairy numbers declined). Majority of beef shipped west for finishing, slaughter and processing.
- Large growth in number of farms under 50 acres.
- Farm numbers and land in farms (acres) remaining steady in region.

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
County Summary Highlights - Table 1	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Farms (number)	64	36	-42	29	-19	46,030
Land in Farms (acres)	15,025	5,799	4,234	200	-2,266	8,302,444
Average size of farm (acres)	6	-1	23	-10	2	180
Median size of farm (acres)	-4	-6	18	-8	-1	72
	0	0	0	0	0	0
Estimated market value of land and	0	0	0	0	0	0
Average per farm ($)	124,480	387,505	1,188,832	172,557	363,899	776,719
Average per acre ($)	516	2,155	538	1,200	2,230	4,306
	0	0	0	0	0	0
Estimated market value of all machinery and equipment ($1,000)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	3,339,696
Average per farm ($)	6,982	-846	6,157	11,592	7,562	72,561
	0	0	0	0	0	0
Farms by size:	0	0	0	0	0	0
1 to 9 acres	5	15	-4	-5	0	3,343
10 to 49 acres	38	47	-53	13	-9	14,425
50 to 179 acres	3	-20	2	11	-9	16,850
180 to 499 acres	4	-17	4	18	-6	7,864
500 to 999 acres	5	10	8	-6	6	2,173
1,000 acres or more	9	1	1	-2	-1	1,375
	0	0	0	0	0	0
Total Cropland (farms)	14	-36	-25	29	-21	34,525
Total Cropland (acres)	1,907	-2,872	-1,957	-4,742	-3,564	2,990,561
Harvested cropland (farms)	36	48	-5	30	-1	31,014
Harvested cropland (acres)	4,837	4,016	674	2,965	54	2,618,291
	0	0	0	0	0	0
Irrigated land (farms)	5	8	5	3	-6	2,456
Irrigated land (acres)	-625	-526	0	-63	-10	68,651
	0	0	0	0	0	0
Market value of agricultural products sold ($1,000)	15,651	5,967	8,757	14,495	1,742	3,753,287
Average per farm ($)	17,849	3,620	19,661	18,712	5,255	81,540

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Crops, including nursery and greenhouse cr	12,849	11,374	5,814	14,256	1,203	1,360,146
Livestock, poultry, and their products ($1,0	2,802	-5,406	2,942	238	539	2,393,141
	0	0	0	0	0	0
Farms by value of sales:	0	0	0	0	0	0
Less than $2,500	26	-9	-79	-18	-43	17,103
$2,500 to $4,999	7	30	-7	-3	0	5,063
$5,000 to $9,999	-21	-21	-26	-10	19	6,436
$10,000 to $24,999	17	12	45	35	-10	6,940
$25,000 to $49,999	-1	-2	14	5	1	3,837
$50,000 to $99,999	24	6	3	21	0	2,220
$100,000 or more	12	20	8	-1	14	4,431
	0	0	0	0	0	0
Government payments:	0	0	0	0	0	0
Number of farms	-10	-17	-13	-10	-10	10,664
Amount ($1,000)	683	237	79	740	37	82,318
	0	0	0	0	0	0
Total income from farm-related sources, gross before taxes and expenses:	0	0	0	0	0	0
Number of farms	13	-11	0	48	-35	15,961
Amount ($1,000)	1,231	-1,181	273	1,110	60	179,190
	0	0	0	0	0	0
Total farm production expenses ($1,000)	14,572	5,230	5,639	39,000	2,601	3,494,672
Average per farm ($)	15,998	2,377	14,122	66,098	7,759	75,922
	0	0	0	0	0	0
Net cash farm income of operation:	0	0	0	0	0	0
Number of farms	64	36	-42	29	-19	46,030
Amount ($1,000)	2,993	-207	3,470	-22,654	-762	520,123
Average per farm ($)	4,151	300	6,421	-44,210	-2,103	11,300
	0	0	0	0	0	0
Principal operator by primary occupation:	0	0	0	0	0	0

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Farming (#)	-20	-20	6	59	20	20,740
Other (#)	84	56	-48	-30	-39	25,290
	0	0	0	0	0	0
Principal operator by days worked off farm:	0	0	0	0	0	0
Any (#)	16	-111	-79	-9	-21	28,382
200 days or more (#)	10	-77	0	42	5	18,876
	0	0	0	0	0	0
Livestock and poultry:	0	0	0	0	0	0
Cattle and calves inventory (farms)	15	-12	-49	-5	-13	23,911
Cattle and calves inventory (#)	3,122	5,829	939	198	-224	1,631,882
Beef cows (farms)	17	-29	-37	-32	-9	19,596
Beef cows (#)	308	-905	-534	-1,318	#VALUE!	657,320
Milk cows (farms)	-3	0	-10	4	7	1,168
Milk cows (#)	-39	-354	-387	484	#VALUE!	94,105
Cattle and calves sold (farms)	18	-33	-37	15	-4	20,091
Cattle and calves sold (#)	542	-776	242	-402	-315	845,381
Hogs and pigs inventory (farms)	9	12	-11	6	-1	1,265
Hogs and pigs inventory (#)	-66	353	48	232	289	239,899
Hogs and pigs sold (farms)	13	4	-14	3	-2	919
Hogs and pigs sold (#)	122	127	67	16	#VALUE!	559,658
Sheep and lambs inventory (farms)	-10	42	-4	-7	12	2,315
Sheep and lambs inventory (#)	-331	411	537	-610	114	84,983
Layers inventory (farms)	67	106	17	42	-4	5,656
Layers inventory (#)	3,151	4,979	780	418	215	2,897,238
Broilers and other meat-type chickens sold (farms)	5	9	2	#VALUE!	-12	807
Broilers and other meat-type chickens sold (#)	#VALUE!	10,045	1,253	#VALUE!	514	237,669,378
	0	0	0	0	0	0
Selected crops harvested:	0	0	0	0	0	0
Corn for grain (farms)	-2	6	-1	10	-1	2,857
Corn for grain (acres)	1,118	2,174	958	184	-385	338,132

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Corn for grain (bushels)	226,938	509,213	279,289	-15,198	-29,307	33,984,647
Corn for silage or greenchop (farms)	-9	-11	-14	1	-8	1,636
Corn for silage or greenchop (acres)	-677	-1,368	-782	-59	-286	113,059
Corn for silage or greenchop (tons)	6,476	-18,318	-13,800	712	-3,582	1,707,869
Wheat for grain, all (farms)	-1	7	-2	8	0	1,601
Wheat for grain, all (acres)	-967	224	118	1,589	#VALUE!	241,979
Wheat for grain, all (bushels)	-62,627	35,474	1,759	125,485	#VALUE!	14,804,947
Winter wheat for grain (farms)	-1	7	-2	8	0	1,599
Winter wheat for grain (acres)	-967	224	118	1,607	#VALUE!	240,208
Winter wheat for grain (bushels)	-62,627	35,474	1,759	125,485	#VALUE!	14,701,510
Spring wheat for grain (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	5
Spring wheat for grain (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	1,771
Spring wheat for grain (bushels)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0
Vegetables, Potatoes, and Melons Harvested for Sale: Table 29						
Vegetables Harvested (farms)	12	11	13	12	-5	
Vegetables Harvested (acres)	23	63	-36	47	15	
Vegetables Harvested for processing (farms)						
Vegetables Harvested for processing (acres)						
Vegetables Harvested for fresh market (farms)						
Vegetables Harvested for fresh market (acres)						
Asparagus, Bearing Age						
Asparagus Harvested (farms)	#VALUE!	1	4	#VALUE!	-2	27
Asparagus Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-3
Asparagus Harvested for processing (farms)						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Asparagus Harvested for processing (acres)						
Asparagus Harvested for fresh market (farms)						
Asparagus Harvested for fresh market (acres)						
Beans, Green Lima						
Beans, Green Lima Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-1
Beans, Green Lima Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	1222
Beans, Green Lima Harvested for processing (farms)						
Beans, Green Lima Harvested for processing (acres)						
Beans, Green Lima Harvested for fresh market (farms)						
Beans, Green Lima Harvested for fresh market (acres)						
Beans, Snap (Bush & Pole)						
Beans, Snap Harvested (farms)	12	8	8	4	4	108
Beans, Snap Harvested (acres)	4	1	#VALUE!	0	1	-3758
Beans, Snap Harvested for processing (farms)						
Beans, Snap Harvested for processing (acres)						
Beans, Snap Harvested for fresh market (farms)						
Beans, Snap Harvested for fresh market (acres)						
Beets						
Beets Harvested (farms)	6	#VALUE!	#VALUE!	#VALUE!	-1	14

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Beets Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	3
Beets Harvested for processing (farms)						
Beets Harvested for processing (acres)						
Beets Harvested for fresh market (farms)						
Beets Harvested for fresh market (acres)						
Broccoli						
Broccoli Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-1	30
Broccoli Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	292
Broccoli Harvested for processing (farms)						
Broccoli Harvested for processing (acres)						
Broccoli Harvested for fresh market (farms)						
Broccoli Harvested for fresh market (acres)						
Cabbage, Chinese						
Cabbage, Chinese Harvested (farms)						
Cabbage, Chinese Harvested (acres)						
Cabbage, Chinese Harvested for processing (farms)						
Cabbage, Chinese Harvested for processing (acres)						
Cabbage, Chinese Harvested for fresh market (farms)						
Cabbage, Chinese Harvested for fresh market (acres)						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Cabbage, Head						
Cabbage, Head Harvested (farms)	1	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-16
Cabbage, Head Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	22
Cabbage, Head Harvested for processing (farms)						
Cabbage, Head Harvested for processing (acres)						
Cabbage, Head Harvested for fresh market (farms)						
Cabbage, Head Harvested for fresh market (acres)						
Canteloupes and Muskmelons						
Canteloupes and Muskmelons Harvested (farms)	4	11	3	#VALUE!	5	37
Canteloupes and Muskmelons Harvested (acres)	#VALUE!	#VALUE!	-5	#VALUE!	#VALUE!	-82
Canteloupes and Muskmelons Harvested for processing (farms)						
Canteloupes and Muskmelons Harvested for processing (acres)						
Canteloupes and Muskmelons Harvested for fresh market (farms)						
Canteloupes and Muskmelons Harvested for fresh market (acres)						
Carrots						
Carrots Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	36
Carrots Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	14
Carrots Harvested for processing (farms)						
Carrots Harvested for processing (acres)						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Carrots Harvested for fresh market (farms)						
Carrots Harvested for fresh market (acres)						
Cauliflower						
Cauliflower Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	9
Cauliflower Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	6
Cauliflower Harvested for processing (farms)						
Cauliflower Harvested for processing (acres)						
Cauliflower Harvested for fresh market (farms)						
Cauliflower Harvested for fresh market (acres)						
Celery						
Celery Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	1
Celery Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Celery Harvested for processing (farms)						
Celery Harvested for processing (acres)						
Celery Harvested for fresh market (farms)						
Celery Harvested for fresh market (acres)						
Collards						
Collards Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-3
Collards Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-61

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Collards Harvested for processing (farms)						
Collards Harvested for processing (acres)						
Collards Harvested for fresh market (farms)						
Collards Harvested for fresh market (acres)						
Cucumbers and Pickles						
Cucumbers and Pickles Harvested (farms)	15	7	9	#VALUE!	1	127
Cucumbers and Pickles Harvested (acres)	#VALUE!	2	-1	#VALUE!	2	-451
Cucumbers and Pickles Harvested for processing (farms)						
Cucumbers and Pickles Harvested for processing (acres)						
Cucumbers and Pickles Harvested for fresh market (farms)						
Cucumbers and Pickles Harvested for fresh market (acres)						
Eggplant						
Eggplant Harvested (farms)	#VALUE!	1	#VALUE!	#VALUE!	#VALUE!	-31
Eggplant Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-11
Eggplant Harvested for processing (farms)						
Eggplant Harvested for processing (acres)						
Eggplant Harvested for fresh market (farms)						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Eggplant Harvested for fresh market (acres)						
Garlic						
Garlic Harvested (farms)	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	5
Garlic Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-6
Garlic Harvested for processing (farms)						
Garlic Harvested for processing (acres)						
Garlic Harvested for fresh market (farms)						
Garlic Harvested for fresh market (acres)						
Herbs, Fresh Cut						
Herbs, Fresh Cut Harvested (farms)	#VALUE!	0	0	-1	0	-22
Herbs, Fresh Cut Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-18
Herbs, Fresh Cut Harvested for processing (farms)						
Herbs, Fresh Cut Harvested for processing (acres)						
Herbs, Fresh Cut Harvested for fresh market (farms)						
Herbs, Fresh Cut Harvested for fresh market (acres)						
Horseradish						
Horseradish Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Horseradish Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Horseradish Harvested for processing (farms)						
Horseradish Harvested for processing (acres)						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Horseradish Harvested for fresh market (farms)						
Horseradish Harvested for fresh market (acres)						
Kale						
Kale Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	25
Kale Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-28
Kale Harvested for processing (farms)						
Kale Harvested for processing (acres)						
Kale Harvested for fresh market (farms)						
Kale Harvested for fresh market (acres)						
Lettuce, All						
Lettuce, All Harvested (farms)	6	#VALUE!	0	0	#VALUE!	59
Lettuce, All Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	6
Lettuce, All Harvested for processing (farms)						
Lettuce, All Harvested for processing (acres)						
Lettuce, All Harvested for fresh market (farms)						
Lettuce, All Harvested for fresh market (acres)						
Lettuce, Head						
Lettuce, Head Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	23
Lettuce, Head Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-6
Lettuce, Head Harvested for processing (farms)						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Lettuce, Head Harvested for processing (acres)						
Lettuce, Head Harvested for fresh market (farms)						
Lettuce, Head Harvested for fresh market (acres)						
Lettuce, Leaf						
Lettuce, Leaf Harvested (farms)	3	#VALUE!	0	0	#VALUE!	44
Lettuce, Leaf Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	10
Lettuce, Leaf Harvested for processing (farms)						
Lettuce, Leaf Harvested for processing (acres)						
Lettuce, Leaf Harvested for fresh market (farms)						
Lettuce, Leaf Harvested for fresh market (acres)						
Lettuce, Romaine						
Lettuce, Romaine Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	7
Lettuce, Romaine Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	4
Lettuce, Romaine Harvested for processing (farms)						
Lettuce, Romaine Harvested for processing (acres)						
Lettuce, Romaine Harvested for fresh market (farms)						
Lettuce, Romaine Harvested for fresh market (acres)						
Mustard Greens						
Mustard Greens Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	4

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Mustard Greens Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	10
Mustard Greens Harvested for processing (farms)						
Mustard Greens Harvested for processing (acres)						
Mustard Greens Harvested for fresh market (farms)						
Mustard Greens Harvested for fresh market (acres)						
Okra						
Okra Harvested (farms)	#VALUE!	0	0	#VALUE!	#VALUE!	17
Okra Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	6
Okra Harvested for processing (farms)						
Okra Harvested for processing (acres)						
Okra Harvested for fresh market (farms)						
Okra Harvested for fresh market (acres)						
Onions, Dry						
Onions, Dry Harvested (farms)	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	22
Onions, Dry Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Onions, Dry Harvested for processing (farms)						
Onions, Dry Harvested for processing (acres)						
Onions, Dry Harvested for fresh market (farms)						
Onions, Dry Harvested for fresh market (acres)						
Onions, Green						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Onions, Green Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-13
Onions, Green Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	4
Onions, Green Harvested for processing (farms)						
Onions, Green Harvested for processing (acres)						
Onions, Green Harvested for fresh market (farms)						
Onions, Green Harvested for fresh market (acres)						
Parsley						
Parsley Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	8
Parsley Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Parsley Harvested for processing (farms)						
Parsley Harvested for processing (acres)						
Parsley Harvested for fresh market (farms)						
Parsley Harvested for fresh market (acres)						
Peas, Chinese (Sugar and Snow)						
Peas, Chinese Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	2
Peas, Chinese Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	5
Peas, Chinese Harvested for processing (farms)						
Peas, Chinese Harvested for processing (acres)						
Peas, Chinese Harvested for fresh market (farms)						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Peas, Chinese Harvested for fresh market (acres)						
Peas, Green (Excluding Southern)						
Peas, Green Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-18
Peas, Green Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-8
Peas, Green Harvested for processing (farms)						
Peas, Green Harvested for processing (acres)						
Peas, Green Harvested for fresh market (farms)						
Peas, Green Harvested for fresh market (acres)						
Peppers, Bell (Excluding Pimientos)						
Peppers, Bell Harvested (farms)	-3	-1	2	#VALUE!	-3	-20
Peppers, Bell Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-1	-23
Peppers, Bell Harvested for processing (farms)						
Peppers, Bell Harvested for processing (acres)						
Peppers, Bell Harvested for fresh market (farms)						
Peppers, Bell Harvested for fresh market (acres)						
Peppers Other Than Bell (Including Chile)						
Peppers Other Than Bell Harvested (farms)	2	0	#VALUE!	#VALUE!	-4	-22
Peppers Other Than Bell Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-1	-110

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Peppers Other Than Bell Harvested for processing (farms)						
Peppers Other Than Bell Harvested for processing (acres)						
Peppers Other Than Bell Harvested for fresh market (farms)						
Peppers Other Than Bell Harvested for fresh market (acres)						
Potatoes						
Potatoes Harvested (farms)	11	13	10	6	-4	166
Potatoes Harvested (acres)	4	#VALUE!	-8	4	#VALUE!	24
Potatoes Harvested for processing (farms)						
Potatoes Harvested for processing (acres)						
Potatoes Harvested for fresh market (farms)						
Potatoes Harvested for fresh market (acres)						
Pumpkins						
Pumpkins Harvested (farms)	-4	1	-2	2	#VALUE!	-32
Pumpkins Harvested (acres)	#VALUE!	2	#VALUE!	#VALUE!	#VALUE!	235
Pumpkins Harvested for processing (farms)						
Pumpkins Harvested for processing (acres)						
Pumpkins Harvested for fresh market (farms)						
Pumpkins Harvested for fresh market (acres)						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Radishes						
Radishes Harvested (farms)	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	-3
Radishes Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	6
Radishes Harvested for processing (farms)						
Radishes Harvested for processing (acres)						
Radishes Harvested for fresh market (farms)						
Radishes Harvested for fresh market (acres)						
Rhubarb						
Rhubarb Harvested (farms)	#VALUE!	#VALUE!	0	#VALUE!	-3	0
Rhubarb Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	0
Rhubarb Harvested for processing (farms)						
Rhubarb Harvested for processing (acres)						
Rhubarb Harvested for fresh market (farms)						
Rhubarb Harvested for fresh market (acres)						
Spinach						
Spinach Harvested (farms)	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	8
Spinach Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Spinach Harvested for processing (farms)						
Spinach Harvested for processing (acres)						
Spinach Harvested for fresh market (farms)						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Spinach Harvested for fresh market (acres)						
Squash, All						
Squash, All Harvested (farms)	-1	-2	0	#VALUE!	5	53
Squash, All Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	162
Squash, All Harvested for processing (farms)						
Squash, All Harvested for processing (acres)						
Squash, All Harvested for fresh market (farms)						
Squash, All Harvested for fresh market (acres)						
Squash, Summer						
Squash, Summer Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	5	30
Squash, Summer Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	138
Squash, Summer Harvested for processing (farms)						
Squash, Summer Harvested for processing (acres)						
Squash, Summer Harvested for fresh market (farms)						
Squash, Summer Harvested for fresh market (acres)						
Squash, Winter						
Squash, Winter Harvested (farms)	#VALUE!	-2	0	#VALUE!	1	13
Squash, Winter Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	24
Squash, Winter Harvested for processing (farms)						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Squash, Winter Harvested for processing (acres)						
Squash, Winter Harvested for fresh market (farms)						
Squash, Winter Harvested for fresh market (acres)						
Sweet Corn						
Sweet Corn Harvested (farms)	5	-1	4	6	-2	-44
Sweet Corn Harvested (acres)	#VALUE!	13	4	#VALUE!	#VALUE!	-547
Sweet Corn Harvested for processing (farms)						
Sweet Corn Harvested for processing (acres)						
Sweet Corn Harvested for fresh market (farms)						
Sweet Corn Harvested for fresh market (acres)						
Sweet Potatoes						
Sweet Potatoes Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	37
Sweet Potatoes Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-194
Sweet Potatoes Harvested for processing (farms)						
Sweet Potatoes Harvested for processing (acres)						
Sweet Potatoes Harvested for fresh market (farms)						
Sweet Potatoes Harvested for fresh market (acres)						
Tomatoes in the Open						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Tomatoes in the Open Harvested (farms)	14	8	16	7	-1	140
Tomatoes in the Open Harvested (acres)	22	5	1	1	5	-1409
Tomatoes in the Open Harvested for processing (farms)						
Tomatoes in the Open Harvested for processing (acres)						
Tomatoes in the Open Harvested for fresh market (farms)						
Tomatoes in the Open Harvested for fresh market (acres)						
Turnip Greens						
Turnip Greens Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	4
Turnip Greens Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	11
Turnip Greens Harvested for processing (farms)						
Turnip Greens Harvested for processing (acres)						
Turnip Greens Harvested for fresh market (farms)						
Turnip Greens Harvested for fresh market (acres)						
Turnips						
Turnips Harvested (farms)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	13
Turnips Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	6
Turnips Harvested for processing (farms)						
Turnips Harvested for processing (acres)						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Turnips Harvested for fresh market (farms)						
Turnips Harvested for fresh market (acres)						
Watermelons						
Watermelons Harvested (farms)	6	10	#VALUE!	#VALUE!	2	15
Watermelons Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-312
Watermelons Harvested for processing (farms)						
Watermelons Harvested for processing (acres)						
Watermelons Harvested for fresh market (farms)						
Watermelons Harvested for fresh market (acres)						
Other Vegetables						
Other Vegetables Harvested (farms)	#VALUE!	6	0	#VALUE!	0	13
Other Vegetables Harvested (acres)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-5	41
Other Vegetables Harvested for processing (farms)						
Other Vegetables Harvested for processing (acres)						
Other Vegetables Harvested for fresh market (farms)						
Other Vegetables Harvested for fresh market (acres)						
Cattle and Calves - Inventory and Sales: Table 11						
Cattle and Calves - Number of farms	15	-12	-49	-5	-13	-2046

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Cattle and Calves - Number of head	3122	5829	939	198	-224	65665
Total Farms by Inventory						
1 to 9 - Number of farms	-4	-10	-25	-7	-1	-1146
1 to 9 - Number of head	40	-19	-111	-60	#VALUE!	-5429
1 to 10 - Number of farms	13	-12	-20	-19	3	-532
1 to 10 - Number of head	237	-280	-350	-282	#VALUE!	-7239
20 to 49 - Number of farms	-14	-17	-15	11	-30	-703
20 to 49 - Number of head	-631	-520	-411	254	-791	-22027
50 to 99 - Number of farms	6	8	18	14	9	35
50 to 99 - Number of head	384	654	825	1128	382	1500
100 to 199 - Number of farms	9	3	-12	-4	4	43
100 to 199 - Number of head	1323	128	-1236	-249	#VALUE!	7356
200 to 499 - Number of farms	3	15	4	0	2	238
200 to 499 - Number of head	636	3588	1961	-274	180	67568
500 or more - Number of farms	2	1	1	0	0	19
500 or more - Number of head	1133	2277	261	-319	#VALUE!	23936
Cows and Heifers that Calved						
Number of farms	22	-27	-42	-28	-5	-2269
Number of head	269	-1259	-921	-834	67	-42553
Beef cows						
Number of farms	17	-29	-37	-32	-9	-2311
Number of head	308	-905	-534	-1318	#VALUE!	-37741
Milk Cows						
Number of farms	-3	0	-10	4	7	14
Number of head	-39	-354	-387	484	#VALUE!	-4812
Other Cattle						
Number of farms	18	1	-27	25	-2	-808
Number of head	2853	7088	1860	1032	-8	108218

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Hogs & Pigs - Inventory & Sales; Table 12						
Total number of farms	9	12	-11	6	-1	25
Total number of head	-66	353	48	232	289	-131277
Farms by inventory						
1 to 24 - number of farms	16	13	-10	4	-7	35
1 to 24 - number of head	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	590
25 to 49 - number of farms	#VALUE!	#VALUE!	-3	-1	#VALUE!	20
25 to 49 - number of head	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	490
50 to 99 - number of farms	-266	0	#VALUE!	#VALUE!	#VALUE!	0
50 to 99 - number of head	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-188
100 to 199 - number of farms	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-7
100 to 199 - number of head	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
200 to 499 - number of farms	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	-1
200 to 499 - number of head	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	824
500 to 999 - number of farms	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-8
500 to 999 - number of head	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
1,000 or more - number of farms	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-14
1,000 or more - number of head	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-126910
Hogs and pigs used or to be used for breeding						
Number of farms	7	4	2	3	5	100
Number of head	22	51	-23	21	39	-23727
Other hogs and pigs:						
Number of farms	4	7	-14	6	2	-32
Number of head	0	302	71	211	250	-107550
SALES						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of farms	13	4	-14	3	-2	-45
Number of head	122	127	67	16	#VALUE!	-405459
Sales ($1,000's)	15	55	55	1	-56	10742
Sheep and Lambs - Inventory, Wool Production & Sales; Table 13						
Total number of farms	-10	42	-4	-7	12	183
Total number of head	669	411	537	-610	114	7335
Ewes 1 year old or older						
Number of farms	-13	26	-2	-4	10	39
Number of head	-133	314	154	-401	95	2017
Wool production						
Number of farms	-7	23	7	1	10	101
Pounds	-1638	789	-1123	-1777	-171	-32944
Sales (in 1,000's)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Sheep and lambs sold						
Number of farms	-10	12	-7	-6	6	97
Number of head	-195	-88	-383	-25	147	1791
Sales ($1,000's)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Milk Goats - Inventory & Sales; Table 15						
Inventory						
Number of farms						
Number of head						
Sales						
Number of farms						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Head						
Value ($1,000)						
Meat Goats - Inventory & Sales; Table 17						
Inventory						
Number of farms						
Number of head						
Sales						
Number of farms						
Number of Head						
Value ($1,000)						
Poultry - Inventory & Sales; Table 19						
INVENTORY						
Any Poultry						
Number of farms	97	99	19	41	-11	2027
Layers						
Number of farms	101	106	17	42	0	2192
Number of head	-137562	4979	780	418	215	-311674
Pullets for laying flock replacement						
Number of farms	11	-18	-3	5	2	192
Number of head	287	-239	181	-75	0	114119
Broilers and other meat-type chickens						
Number of farms	5	18	-2	9	-3	228
Number of head	#VALUE!	15772	608	438	0	-5358329

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Turkeys						
Number of farms	-2	3	-6	-1	-4	91
Number of head	0	0	#VALUE!	-7347	-331	-1170153
Ducks, geese, and other miscellaneous poultry						
Number of farms	26	-2	-10	7	-2	75
SALES						
Any poultry sold						
Number of farms	33	32	0	14	-14	252
Layers sold						
Number of farms	10	29	-5	9	3	335
Number of head	366	#VALUE!	#VALUE!	#VALUE!	0	364524
Pullets for laying flock replacement sold						
Number of farms	#VALUE!	5	#VALUE!	2	#VALUE!	33
Number of head	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	546127
Broilers and other meat-type chickens sold						
Number of farms	5	9	2	#VALUE!	-12	135
Number of head	#VALUE!	10045	1253	#VALUE!	514	-11514989
Turkeys sold						
Number of farms	-1	#VALUE!	-4	0	1	85
Number of head	#VALUE!	#VALUE!	#VALUE!	-20000	-3	-210457
Ducks, geese, and other miscellaneous poultry sold						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of farms	8	4	0	1	#VALUE!	125
Land Used for Vegetables and Vegetables Harvested for Sale - Table 28						
LAND USED FOR VEGETABLES						
Harvested						
Number of Farms	12	11	13	12	-5	40
Number of Acres	22	57	-36	45	17	-5193
Irrigated						
Number of Farms	5	9	3	10	-3	129
Number of Acres	7	35	#VALUE!	31	23	-4745
Vegetables harvested (see text acres)	23	63	-36	47	15	-5433
Land in Orchards - Table 30						
TOTAL						
Number of Farms	-5	-9	5	8	5	88
Number of Acres	3	28	-121	43	40	-569
IRRIGATED						
Number of Farms	3	4	-1	2	1	42
Number of Acres	#VALUE!	10	#VALUE!	#VALUE!	9	-158
Fruits & Nuts - Table 31						
NONCITRUS, ALL						
TOTAL						
Number of Farms	15	53	27	25	45	129
Number of Acres	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-411

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
	0	0	0	0	0	0
BEARING AGE ACRES	0	0	0	0	0	0
Number of Farms	9	46	19	18	42	-6
Number of Acres	35	393	139	292	386	-874
NONBEARING AGE ACRES						
Number of Farms	8	32	14	16	19	206
Number of Acres	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	464
APPLES						
TOTAL						
Number of Farms	8	20	10	12	28	107
Number of Acres	6	124	109	9	308	-1845
BEARING AGE ACRES						
Number of Farms	4	16	7	3	25	-19
Number of Acres	5	120	#VALUE!	#VALUE!	249	-2062
NONBEARING AGE ACRES						
Number of Farms	6	6	4	9	11	160
Number of Acres	1	4	#VALUE!	#VALUE!	60	217
APRICOTS						
TOTAL						
Number of Farms	0	0	0	1	0	-29
Number of Acres	0	0	0	#VALUE!	0	-5
BEARING AGE ACRES						
Number of Farms	0	0	0	1	0	-20
Number of Acres	0	0	0	#VALUE!	0	#VALUE!
NONBEARING AGE ACRES	0	0	0	0	0	0
Number of Farms	0	0	0	#VALUE!	0	-11

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Acres	0	0	0	#VALUE!	0	#VALUE!
CHERRIES, SWEET						
TOTAL						
Number of Farms	2	0	1	4	2	-56
Number of Acres	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	-11
BEARING AGE ACRES						
Number of Farms	#VALUE!	0	#VALUE!	#VALUE!	2	-38
Number of Acres	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	11
NONBEARING AGE ACRES						
Number of Farms	2	0	1	4	#VALUE!	-24
Number of Acres	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	-21
CHERRIES, TART						
TOTAL						
Number of Farms	2	1	0	2	5	-44
Number of Acres	#VALUE!	#VALUE!	0	#VALUE!	1	-22
BEARING AGE ACRES						
Number of Farms	#VALUE!	1	0	2	3	-26
Number of Acres	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	-10
NONBEARING AGE ACRES						
Number of Farms	2	#VALUE!	0	2	2	-13
Number of Acres	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	-11
FIGS						
TOTAL						
Number of Farms	0	0	0	4	0	10
Number of Acres	0	0	0	#VALUE!	0	3

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
BEARING AGE ACRES						
Number of Farms	0	0	0	4	0	3
Number of Acres	0	0	0	#VALUE!	0	2
NONBEARING AGE ACRES						
Number of Farms	0	0	0	#VALUE!	0	5
Number of Acres	0	0	0	#VALUE!	0	1
GRAPES						
TOTAL						
Number of Farms	9	33	19	15	19	143
Number of Acres	26	244	54	281	132	1113
BEARING AGE ACRES						
Number of Farms	5	28	14	8	19	79
Number of Acres	#VALUE!	196	42	275	114	1072
NONBEARING AGE ACRES						
Number of Farms	4	25	9	9	9	74
Number of Acres	#VALUE!	48	11	6	18	41
KIWIFRUIT						
TOTAL						
Number of Farms	0	0	0	4	0	22
Number of Acres	0	0	0	#VALUE!	0	9
BEARING AGE ACRES						
Number of Farms	0	0	0	#VALUE!	0	6
Number of Acres	0	0	0	#VALUE!	0	5
NONBEARING AGE ACRES						
Number of Farms	0	0	0	4	0	16
Number of Acres	0	0	0	#VALUE!	0	3

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
PEACHES, ALL						
TOTAL						
Number of Farms	10	14	10	11	10	67
Number of Acres	7	103	11	10	11	289
BEARING AGE ACRES						
Number of Farms	6	8	7	3	8	-20
Number of Acres	6	#VALUE!	#VALUE!	8	#VALUE!	92
NONBEARING AGE ACRES						
Number of Farms	4	9	4	8	2	95
Number of Acres	1	#VALUE!	#VALUE!	8	#VALUE!	197
PEARS, ALL						
TOTAL						
Number of Farms	-7	-8	-4	-10	-3	0
Number of Acres	-2	-5	-3	-3	-1	0
BEARING AGE ACRES						
Number of Farms	#VALUE!	-4	-3	-1	-1	0
Number of Acres	#VALUE!	-2	#VALUE!	#VALUE!	#VALUE!	0
NONBEARING AGE ACRES						
Number of Farms	-2	-6	-1	-9	-2	0
Number of Acres	#VALUE!	-3	#VALUE!	#VALUE!	#VALUE!	0
PLUMS & PRUNES						
TOTAL						
Number of Farms	4	0	0	1	2	-17
Number of Acres	#VALUE!	0	0	#VALUE!	#VALUE!	-23
BEARING AGE ACRES						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Farms	2	0	0	1	2	-28
Number of Acres	#VALUE!	0	0	#VALUE!	#VALUE!	-15
NONBEARING AGE ACRES						
Number of Farms	2	0	0	#VALUE!	#VALUE!	15
Number of Acres	#VALUE!	0	0	#VALUE!	#VALUE!	-7
OTHER NONCITRUS FRUIT						
TOTAL						
Number of Farms	0	0	0	0	1	-61
Number of Acres	0	0	0	0	#VALUE!	-30
BEARING AGE ACRES						
Number of Farms	0	0	0	0	1	-69
Number of Acres	0	0	0	0	#VALUE!	-43
NONBEARING AGE ACRES						
Number of Farms	0	0	0	0	#VALUE!	4
Number of Acres	0	0	0	0	#VALUE!	13
NUTS, ALL						
TOTAL						
Number of Farms	1	2	1	2	2	-43
Number of Acres	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
BEARING AGE ACRES						
Number of Farms	#VALUE!	#VALUE!	1	2	#VALUE!	-94
Number of Acres	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	-152
NONBEARING AGE ACRES						
Number of Farms	1	2	#VALUE!	#VALUE!	2	25
Number of Acres	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Land in Berries - Table 32						
TOTAL						
Number of Farms	8	23	10	7	-1	288
Number of Acres	4	22	13	9	-3	138
IRRIGATED						
Number of Farms	#VALUE!	11	4	2	-2	129
Number of Acres	#VALUE!	15	#VALUE!	0	#VALUE!	-5
Berries - Table 33						
BLACKBERRIES & DEWBERRIES						
Number of Farms						
Number of Acres						
HARVESTED						
Number of Farms						
Number of Acres						
NOT HARVESTED						
Number of Farms						
Number of Acres						
BLUEBERRIES, TAME						
Number of Farms						
Number of Acres						
HARVESTED						
Number of Farms						
Number of Acres						
NOT HARVESTED						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Farms						
Number of Acres						
BLUEBERRIES, WILD						
Number of Farms						
Number of Acres						
HARVESTED						
Number of Farms						
Number of Acres						
NOT HARVESTED						
Number of Farms						
Number of Acres						
RASPBERRIES, WILD						
Number of Farms						
Number of Acres						
HARVESTED						
Number of Farms						
Number of Acres						
NOT HARVESTED						
Number of Farms						
Number of Acres						
STRAWBERRIES						
Number of Farms						
Number of Acres						
HARVESTED						
Number of Farms						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Acres						
NOT HARVESTED						
Number of Farms						
Number of Acres						
OTHER BERRIES						
Number of Farms						
Number of Acres						
HARVESTED						
Number of Farms						
Number of Acres						
NOT HARVESTED						
Number of Farms						
Number of Acres						
Commodities Raised and Delivered Under Production Contract - Table 39						
Turkeys						
Total Number of Farms						
Total Number of Head						
Replacement Dairy Heifers						
Total Number of Farms						
Total Number of Head						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
County Summary Highlights - Table 1	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Farms (number)	731	1,258	522	547	397	46,030
Land in Farms (acres)	126,395	228,285	106,991	104,806	62,818	8,302,444
Average size of farm (acres)	173	181	205	192	158	180
Median size of farm (acres)	58	50	78	82	54	72
Estimated market value of land and						
Average per farm ($)	1,115,272	1,439,924	1,294,622	1,292,497	1,335,915	776,719
Average per acre ($)	6,450	7,935	6,316	6,746	8,443	4,306
Estimated market value of all machinery and equipment ($1,000)	58,583	91,880	39,045	52,638	21,489	3,339,696
Average per farm ($)	80,140	73,037	74,798	95,737	54,129	72,561
Farms by size:						
1 to 9 acres	32	104	30	36	19	3,343
10 to 49 acres	302	502	159	158	166	14,425
50 to 179 acres	238	390	193	202	133	16,850
180 to 499 acres	100	164	86	110	50	7,864
500 to 999 acres	32	53	28	19	19	2,173
1,000 acres or more	27	45	26	22	10	1,375
Total Cropland (farms)	503	713	374	370	292	34,525
Total Cropland (acres)	58,018	82,203	40,054	40,460	17,307	2,990,561
Harvested cropland (farms)	440	638	342	332	271	31,014
Harvested cropland (acres)	49,735	67,805	33,395	36,208	15,236	2,618,291
Irrigated land (farms)	34	62	23	29	21	2,456
Irrigated land (acres)	641	395	69	564	121	68,651
Market value of agricultural products sold ($1,000)	42,788	53,948	28,980	90,577	9,281	3,753,287
Average per farm ($)	58,534	42,884	55,518	165,589	23,377	81,540

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Crops, including nursery and greenhouse cr	25,645	21,587	11,542	64,929	3,668	1,360,146
Livestock, poultry, and their products ($1,0	17,143	32,361	17,438	25,648	5,612	2,393,141
Farms by value of sales:						
Less than $2,500	301	554	123	199	140	17,103
$2,500 to $4,999	71	158	59	50	61	5,063
$5,000 to $9,999	94	136	73	65	65	6,436
$10,000 to $24,999	119	177	128	101	50	6,940
$25,000 to $49,999	54	87	59	45	36	3,837
$50,000 to $99,999	39	65	32	36	15	2,220
$100,000 or more	53	81	48	51	30	4,431
Government payments:						
Number of farms	106	124	95	90	36	10,664
Amount ($1,000)	1,059	865	389	1,081	147	82,318
Total income from farm-related sources, gross before taxes and expenses:						
Number of farms	302	507	221	226	133	15,961
Amount ($1,000)	3,281	6,461	1,418	2,802	1,300	179,190
Total farm production expenses ($1,000)	44,563	81,290	28,909	89,804	13,088	3,494,672
Average per farm ($)	60,962	64,619	55,381	164,175	32,967	75,922
Net cash farm income of operation:						
Number of farms	731	1,258	522	547	397	46,030
Amount ($1,000)	2,565	-20,016	1,879	4,657	-2,360	520,123
Average per farm ($)	3,509	-15,911	3,599	8,513	-5,944	11,300
Principal operator by primary occupation:						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Farming (#)	299	548	259	260	206	20,740
Other (#)	432	710	263	287	191	25,290
Principal operator by days worked off farm:						
Any (#)	448	765	303	328	240	28,382
200 days or more (#)	277	442	190	246	136	18,876
Livestock and poultry:						
Cattle and calves inventory (farms)	333	526	334	289	181	23,911
Cattle and calves inventory (#)	26,161	49,983	29,071	21,030	11,645	1,631,882
Beef cows (farms)	274	405	266	231	161	19,596
Beef cows (#)	12,075	18,155	12,255	9,775	6,425	657,320
Milk cows (farms)	21	43	11	11	9	1,168
Milk cows (#)	2,210	3,732	1,072	1,387	67	94,105
Cattle and calves sold (farms)	287	448	301	232	153	20,091
Cattle and calves sold (#)	12,016	24,964	13,747	9,778	5,479	845,381
Hogs and pigs inventory (farms)	28	34	16	22	12	1,265
Hogs and pigs inventory (#)	393	665	724	354	369	239,899
Hogs and pigs sold (farms)	29	23	13	15	15	919
Hogs and pigs sold (#)	619	453	1,061	117	323	559,658
Sheep and lambs inventory (farms)	32	87	22	21	26	2,315
Sheep and lambs inventory (#)	836	1,256	900	465	461	84,983
Layers inventory (farms)	115	244	76	85	42	5,656
Layers inventory (#)	3,825	8,550	1,984	1,876	1,490	2,897,238
Broilers and other meat-type chickens sold (farms)	6	15	9	8	4	807
Broilers and other meat-type chickens sold (#)	2,250	10,751	1,580	300	1,650	237,669,378
Selected crops harvested:						
Corn for grain (farms)	42	57	33	41	5	2,857
Corn for grain (acres)	7,144	10,769	5,109	4,681	186	338,132

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Corn for grain (bushels)	836,036	1,304,187	636,429	421,746	20,166	33,984,647
Corn for silage or greenchop (farms)	17	42	15	20	4	1,636
Corn for silage or greenchop (acres)	2,022	4,862	1,095	1,812	74	113,059
Corn for silage or greenchop (tons)	33,310	53,182	18,200	25,254	932	1,707,869
Wheat for grain, all (farms)	11	19	10	21	1	1,601
Wheat for grain, all (acres)	453	1,367	880	3,468	D	241,979
Wheat for grain, all (bushels)	29,887	63,592	59,792	248,226	D	14,804,947
Winter wheat for grain (farms)	11	19	10	21	1	1,599
Winter wheat for grain (acres)	453	1,367	880	3,486	D	240,208
Winter wheat for grain (bushels)	29,887	63,592	59,792	248,226	D	14,701,510
Spring wheat for grain (farms)	n/a	n/a	n/a	n/a	n/a	5
Spring wheat for grain (acres)	n/a	n/a	n/a	n/a	n/a	1,771
Spring wheat for grain (bushels)	n/a	n/a	n/a	n/a	n/a	
Vegetables, Potatoes, and Melons Harvested for Sale: Table 29						
Vegetables Harvested (farms)	32	32	25	19	10	1656
Vegetables Harvested (acres)	67	138	63	59	59	22454
Vegetables Harvested for processing (farms)	2	3	n/a	1	1	183
Vegetables Harvested for processing (acres)	n/a	1	n/a	n/a	n/a	4037
Vegetables Harvested for fresh market (farms)	32	32	25	19	10	1607
Vegetables Harvested for fresh market (acres)	n/a	138	63	n/a	n/a	18417
Asparagus, Bearing Age						
Asparagus Harvested (farms)	4	3	5	n/a	2	105
Asparagus Harvested (acres)	1	2	2	n/a	n/a	85
Asparagus Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Asparagus Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Asparagus Harvested for fresh market (farms)	4	3	5	n/a	2	105
Asparagus Harvested for fresh market (acres)	1	2	2	n/a	n/a	85
Beans, Green Lima						
Beans, Green Lima Harvested (farms)	n/a	1	n/a	n/a	n/a	54
Beans, Green Lima Harvested (acres)	n/a	n/a	n/a	n/a	n/a	1956
Beans, Green Lima Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	8
Beans, Green Lima Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	1882
Beans, Green Lima Harvested for fresh market (farms)	n/a	1	n/a	n/a	n/a	46
Beans, Green Lima Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	74
Beans, Snap (Bush & Pole)						
Beans, Snap Harvested (farms)	21	18	10	7	8	714
Beans, Snap Harvested (acres)	6	9	3	1	2	1877
Beans, Snap Harvested for processing (farms)	2	1	n/a	n/a	n/a	56
Beans, Snap Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	631
Beans, Snap Harvested for fresh market (farms)	21	17	10	7	8	689
Beans, Snap Harvested for fresh market (acres)	n/a	n/a	3	1	2	1247
Beets						
Beets Harvested (farms)	7	2	2	2	1	82

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Beets Harvested (acres)	1	n/a	n/a	n/a	n/a	34
Beets Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Beets Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Beets Harvested for fresh market (farms)	7	2	2	2	1	82
Beets Harvested for fresh market (acres)	1	n/a	n/a	n/a	n/a	34
Broccoli						
Broccoli Harvested (farms)	n/a	2	2	1	1	105
Broccoli Harvested (acres)	n/a	n/a	n/a	n/a	n/a	843
Broccoli Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	1
Broccoli Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Broccoli Harvested for fresh market (farms)	n/a	2	2	1	1	104
Broccoli Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Cabbage, Chinese						
Cabbage, Chinese Harvested (farms)	n/a	1	n/a	1	1	21
Cabbage, Chinese Harvested (acres)	n/a	n/a	n/a	n/a	n/a	50
Cabbage, Chinese Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	1
Cabbage, Chinese Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Cabbage, Chinese Harvested for fresh market (farms)	n/a	1	n/a	1	1	21
Cabbage, Chinese Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	n/a

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Cabbage, Head						
Cabbage, Head Harvested (farms)	2	2	4	1	n/a	84
Cabbage, Head Harvested (acres)	n/a	n/a	n/a	n/a	n/a	490
Cabbage, Head Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	1
Cabbage, Head Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Cabbage, Head Harvested for fresh market (farms)	2	2	4	1	n/a	83
Cabbage, Head Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Canteloupes and Muskmelons						
Canteloupes and Muskmelons Harvested (farms)	5	12	6	8	6	368
Canteloupes and Muskmelons Harvested (acres)	1	6	2	2	3	633
Canteloupes and Muskmelons Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Canteloupes and Muskmelons Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Canteloupes and Muskmelons Harvested for fresh market (farms)	5	12	6	8	6	368
Canteloupes and Muskmelons Harvested for fresh market (acres)	1	6	2	2	3	633
Carrots						
Carrots Harvested (farms)	1	1	2	1	n/a	44
Carrots Harvested (acres)	n/a	n/a	n/a	n/a	n/a	14
Carrots Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	2
Carrots Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Carrots Harvested for fresh market (farms)	1	1	2	1	n/a	44
Carrots Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Cauliflower						
Cauliflower Harvested (farms)	n/a	1	n/a	1	n/a	16
Cauliflower Harvested (acres)	n/a	n/a	n/a	n/a	n/a	7
Cauliflower Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Cauliflower Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Cauliflower Harvested for fresh market (farms)	n/a	1	n/a	1	n/a	16
Cauliflower Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	7
Celery						
Celery Harvested (farms)	n/a	n/a	n/a	1	n/a	3
Celery Harvested (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Celery Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Celery Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Celery Harvested for fresh market (farms)	n/a	n/a	n/a	1	n/a	3
Celery Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Collards						
Collards Harvested (farms)	n/a	2	3	n/a	n/a	51
Collards Harvested (acres)	n/a	n/a	6	n/a	n/a	77

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Collards Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	1
Collards Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Collards Harvested for fresh market (farms)	n/a	2	3	n/a	n/a	50
Collards Harvested for fresh market (acres)	n/a	n/a	6	n/a	n/a	n/a
Cucumbers and Pickles						
Cucumbers and Pickles Harvested (farms)	17	10	12	11	4	584
Cucumbers and Pickles Harvested (acres)	2	5	2	3	3	410
Cucumbers and Pickles Harvested for processing (farms)	n/a	1	n/a	n/a	1	23
Cucumbers and Pickles Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	11
Cucumbers and Pickles Harvested for fresh market (farms)	17	9	12	11	4	577
Cucumbers and Pickles Harvested for fresh market (acres)	2	n/a	2	3	n/a	399
Eggplant						
Eggplant Harvested (farms)	n/a	2	2	2	n/a	56
Eggplant Harvested (acres)	n/a	n/a	n/a	n/a	n/a	34
Eggplant Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Eggplant Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Eggplant Harvested for fresh market (farms)	n/a	2	2	2	n/a	56

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Eggplant Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	34
Garlic						
Garlic Harvested (farms)	3	4	2	n/a	n/a	49
Garlic Harvested (acres)	n/a	3	n/a	n/a	n/a	20
Garlic Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	2
Garlic Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Garlic Harvested for fresh market (farms)	3	4	2	n/a	n/a	49
Garlic Harvested for fresh market (acres)	n/a	3	n/a	n/a	n/a	n/a
Herbs, Fresh Cut						
Herbs, Fresh Cut Harvested (farms)	3	3	1	2	2	51
Herbs, Fresh Cut Harvested (acres)	n/a	n/a	n/a	n/a	n/a	29
Herbs, Fresh Cut Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Herbs, Fresh Cut Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Herbs, Fresh Cut Harvested for fresh market (farms)	3	3	1	2	2	51
Herbs, Fresh Cut Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	29
Horseradish						
Horseradish Harvested (farms)	n/a	1	n/a	n/a	n/a	1
Horseradish Harvested (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Horseradish Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Horseradish Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Horseradish Harvested for fresh market (farms)	n/a	1	n/a	n/a	n/a	1
Horseradish Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Kale						
Kale Harvested (farms)	n/a	2	1	n/a	1	66
Kale Harvested (acres)	n/a	n/a	n/a	n/a	n/a	43
Kale Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	1
Kale Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Kale Harvested for fresh market (farms)	n/a	2	1	n/a	1	65
Kale Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Lettuce, All						
Lettuce, All Harvested (farms)	8	4	1	1	5	121
Lettuce, All Harvested (acres)	2	2	n/a	n/a	2	43
Lettuce, All Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Lettuce, All Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Lettuce, All Harvested for fresh market (farms)	8	4	1	1	5	121
Lettuce, All Harvested for fresh market (acres)	2	2	n/a	n/a	2	43
Lettuce, Head						
Lettuce, Head Harvested (farms)	5	n/a	n/a	1	2	38
Lettuce, Head Harvested (acres)	n/a	n/a	n/a	n/a	n/a	9
Lettuce, Head Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Lettuce, Head Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Lettuce, Head Harvested for fresh market (farms)	5	n/a	n/a	1	2	38
Lettuce, Head Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	9
Lettuce, Leaf						
Lettuce, Leaf Harvested (farms)	5	4	1	1	3	89
Lettuce, Leaf Harvested (acres)	1	n/a	n/a	n/a	n/a	29
Lettuce, Leaf Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Lettuce, Leaf Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Lettuce, Leaf Harvested for fresh market (farms)	5	4	1	1	3	89
Lettuce, Leaf Harvested for fresh market (acres)	1	n/a	n/a	n/a	n/a	29
Lettuce, Romaine						
Lettuce, Romaine Harvested (farms)	2	1	n/a	1	n/a	16
Lettuce, Romaine Harvested (acres)	n/a	n/a	n/a	n/a	n/a	6
Lettuce, Romaine Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Lettuce, Romaine Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Lettuce, Romaine Harvested for fresh market (farms)	2	1	n/a	1	n/a	16
Lettuce, Romaine Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	6
Mustard Greens						
Mustard Greens Harvested (farms)	n/a	1	1	n/a	n/a	15

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Mustard Greens Harvested (acres)	n/a	n/a	n/a	n/a	n/a	17
Mustard Greens Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Mustard Greens Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Mustard Greens Harvested for fresh market (farms)	n/a	1	1	n/a	n/a	15
Mustard Greens Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	17
Okra						
Okra Harvested (farms)	n/a	1	1		n/a	49
Okra Harvested (acres)	n/a	n/a	n/a		n/a	19
Okra Harvested for processing (farms)	n/a	n/a	n/a		n/a	n/a
Okra Harvested for processing (acres)	n/a	n/a	n/a		n/a	n/a
Okra Harvested for fresh market (farms)	n/a	1	1		n/a	49
Okra Harvested for fresh market (acres)	n/a	n/a	n/a		n/a	19
Onions, Dry						
Onions, Dry Harvested (farms)	n/a	1	3	n/a	1	55
Onions, Dry Harvested (acres)	n/a	n/a	1	n/a	n/a	22
Onions, Dry Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Onions, Dry Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Onions, Dry Harvested for fresh market (farms)	n/a	1	3	n/a	1	55
Onions, Dry Harvested for fresh market (acres)	n/a	n/a	1	n/a	n/a	22
Onions, Green						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Onions, Green Harvested (farms)	2	1	n/a	n/a	n/a	47
Onions, Green Harvested (acres)	n/a	n/a	n/a	n/a	n/a	46
Onions, Green Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	2
Onions, Green Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Onions, Green Harvested for fresh market (farms)	2	1	n/a	n/a	n/a	47
Onions, Green Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Parsley						
Parsley Harvested (farms)	1	1	n/a	2	n/a	9
Parsley Harvested (acres)	n/a	n/a	n/a	n/a	n/a	5
Parsley Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Parsley Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Parsley Harvested for fresh market (farms)	1	1	n/a	2	n/a	9
Parsley Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	5
Peas, Chinese (Sugar and Snow)						
Peas, Chinese Harvested (farms)	2	n/a	n/a	n/a	n/a	16
Peas, Chinese Harvested (acres)	n/a	n/a	n/a	n/a	n/a	11
Peas, Chinese Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Peas, Chinese Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Peas, Chinese Harvested for fresh market (farms)	2	n/a	n/a	n/a	n/a	16

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Peas, Chinese Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	11
Peas, Green (Excluding Southern)						
Peas, Green Harvested (farms)	n/a	1	n/a	n/a	n/a	38
Peas, Green Harvested (acres)	n/a	n/a	n/a	n/a	n/a	61
Peas, Green Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Peas, Green Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Peas, Green Harvested for fresh market (farms)	n/a	1	n/a	n/a	n/a	38
Peas, Green Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	61
Peppers, Bell (Excluding Pimientos)						
Peppers, Bell Harvested (farms)	1	2	3	3	4	169
Peppers, Bell Harvested (acres)	n/a	n/a	n/a	1	1	209
Peppers, Bell Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	1
Peppers, Bell Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Peppers, Bell Harvested for fresh market (farms)	1	2	3	3	4	169
Peppers, Bell Harvested for fresh market (acres)	n/a	n/a	n/a	1	1	n/a
Peppers Other Than Bell (Including Chile)						
Peppers Other Than Bell Harvested (farms)	3	1	2	1		73
Peppers Other Than Bell Harvested (acres)	1	n/a	n/a	n/a		51

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Peppers Other Than Bell Harvested for processing (farms)	n/a	n/a	n/a	n/a		n/a
Peppers Other Than Bell Harvested for processing (acres)	n/a	n/a	n/a	n/a		n/a
Peppers Other Than Bell Harvested for fresh market (farms)	3	1	2	1		73
Peppers Other Than Bell Harvested for fresh market (acres)	1	n/a	n/a	n/a		51
Potatoes						
Potatoes Harvested (farms)	18	14	14	9	2	762
Potatoes Harvested (acres)	7	10	3	5	n/a	5432
Potatoes Harvested for processing (farms)	n/a	2	n/a	n/a	n/a	48
Potatoes Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	1214
Potatoes Harvested for fresh market (farms)	18	14	14	9	2	732
Potatoes Harvested for fresh market (acres)	7	n/a	3	5	n/a	4209
Pumpkins						
Pumpkins Harvested (farms)	1	4	1	3	n/a	212
Pumpkins Harvested (acres)	n/a	15	n/a	24	n/a	2310
Pumpkins Harvested for processing (farms)	n/a	n/a	n/a	1	n/a	6
Pumpkins Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	117
Pumpkins Harvested for fresh market (farms)	1	4	1	3	n/a	209
Pumpkins Harvested for fresh market (acres)	n/a	15	n/a	n/a	n/a	2194

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Radishes						
Radishes Harvested (farms)	1	1	n/a	n/a	n/a	21
Radishes Harvested (acres)	n/a	n/a	n/a	n/a	n/a	12
Radishes Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	5
Radishes Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	1
Radishes Harvested for fresh market (farms)	1	1	n/a	n/a	n/a	21
Radishes Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	11
Rhubarb						
Rhubarb Harvested (farms)			1	2		10
Rhubarb Harvested (acres)			n/a	n/a		2
Rhubarb Harvested for processing (farms)			n/a	n/a		n/a
Rhubarb Harvested for processing (acres)			n/a	n/a		n/a
Rhubarb Harvested for fresh market (farms)			1	2		10
Rhubarb Harvested for fresh market (acres)			n/a	n/a		2
Spinach						
Spinach Harvested (farms)	n/a	1	1	n/a	n/a	34
Spinach Harvested (acres)	n/a	n/a	n/a	n/a	n/a	11
Spinach Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Spinach Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Spinach Harvested for fresh market (farms)	n/a	1	1	n/a	n/a	34

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Spinach Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	11
Squash, All						
Squash, All Harvested (farms)	1	1	1	2	8	287
Squash, All Harvested (acres)	n/a	n/a	n/a	n/a	8	570
Squash, All Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	10
Squash, All Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	69
Squash, All Harvested for fresh market (farms)	1	1	1	2	8	283
Squash, All Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	8	501
Squash, Summer						
Squash, Summer Harvested (farms)	n/a	1	n/a	2	8	243
Squash, Summer Harvested (acres)	n/a	n/a	n/a	n/a	5	450
Squash, Summer Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	5
Squash, Summer Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	41
Squash, Summer Harvested for fresh market (farms)	n/a	1	n/a	2	8	240
Squash, Summer Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	5	409
Squash, Winter						
Squash, Winter Harvested (farms)	1	1	1	2	3	75
Squash, Winter Harvested (acres)	n/a	n/a	n/a	n/a	2	120
Squash, Winter Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	5

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Squash, Winter Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	28
Squash, Winter Harvested for fresh market (farms)	1	1	1	2	3	74
Squash, Winter Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	2	92
Sweet Corn						
Sweet Corn Harvested (farms)	7	7	7	7	3	587
Sweet Corn Harvested (acres)	11	25	9	3	n/a	2869
Sweet Corn Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	56
Sweet Corn Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	72
Sweet Corn Harvested for fresh market (farms)	7	7	7	7	3	554
Sweet Corn Harvested for fresh market (acres)	11	25	9	3	n/a	2797
Sweet Potatoes						
Sweet Potatoes Harvested (farms)	2	1	2	1	n/a	120
Sweet Potatoes Harvested (acres)	n/a	n/a	n/a	n/a	n/a	136
Sweet Potatoes Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	9
Sweet Potatoes Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	4
Sweet Potatoes Harvested for fresh market (farms)	2	1	2	1	n/a	120
Sweet Potatoes Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	132
Tomatoes in the Open						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Tomatoes in the Open Harvested (farms)	26	19	20	13	9	912
Tomatoes in the Open Harvested (acres)	28	14	8	4	13	3053
Tomatoes in the Open Harvested for processing (farms)	n/a	1	n/a	n/a	n/a	46
Tomatoes in the Open Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	11
Tomatoes in the Open Harvested for fresh market (farms)	26	19	20	13	9	893
Tomatoes in the Open Harvested for fresh market (acres)	28	n/a	8	4	13	3042
Turnip Greens						
Turnip Greens Harvested (farms)	n/a	n/a	n/a	n/a	n/a	31
Turnip Greens Harvested (acres)	n/a	n/a	n/a	n/a	n/a	24
Turnip Greens Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Turnip Greens Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Turnip Greens Harvested for fresh market (farms)	n/a	n/a	n/a	n/a	n/a	31
Turnip Greens Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	24
Turnips						
Turnips Harvested (farms)	n/a	n/a	2	n/a	n/a	30
Turnips Harvested (acres)	n/a	n/a	n/a	n/a	n/a	18
Turnips Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Turnips Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Turnips Harvested for fresh market (farms)	n/a	n/a	2	n/a	n/a	30
Turnips Harvested for fresh market (acres)	n/a	n/a	n/a	n/a	n/a	18
Watermelons						
Watermelons Harvested (farms)	7	12	10	6	4	389
Watermelons Harvested (acres)	1	2	4	1	1	660
Watermelons Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Watermelons Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Watermelons Harvested for fresh market (farms)	7	12	10	6	4	389
Watermelons Harvested for fresh market (acres)	1	2	4	1	1	660
Other Vegetables						
Other Vegetables Harvested (farms)	3	8	2	2	3	157
Other Vegetables Harvested (acres)	n/a	8	n/a	n/a	6	257
Other Vegetables Harvested for processing (farms)	n/a	n/a	n/a	n/a	n/a	14
Other Vegetables Harvested for processing (acres)	n/a	n/a	n/a	n/a	n/a	3
Other Vegetables Harvested for fresh market (farms)	3	8	2	2	3	157
Other Vegetables Harvested for fresh market (acres)	n/a	8	n/a	n/a	6	254
Cattle and Calves - Inventory and Sales: Table 11						
Cattle and Calves - Number of farms	333	526	334	289	181	23911
Cattle and Calves - Number of head	26161	49983	29071	21030	11645	1631882

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Total Farms by Inventory						
1 to 9 - Number of farms	73	111	48	57	43	4723
1 to 9 - Number of head	404	625	229	240	D	24469
1 to 10 - Number of farms	64	78	57	34	47	4539
1 to 10 - Number of head	905	1037	761	474	D	62582
20 to 49 - Number of farms	75	143	96	97	28	6731
20 to 49 - Number of head	2354	4501	3151	2929	861	210427
50 to 99 - Number of farms	51	77	56	52	31	3749
50 to 99 - Number of head	3343	5388	3567	3617	2046	258550
100 to 199 - Number of farms	37	49	36	23	13	2297
100 to 199 - Number of head	5308	6472	4784	3344	1512	311132
200 to 499 - Number of farms	27	54	35	21	18	1483
200 to 499 - Number of head	8446	16151	11748	6124	4898	435574
500 or more - Number of farms	6	14	6	5	1	389
500 or more - Number of head	5401	15808	4831	4302	D	329148
Cows and Heifers that Calved						
Number of farms	288	434	271	240	166	20326
Number of head	14285	21887	13327	11162	6492	751425
Beef cows						
Number of farms	274	405	266	231	161	19596
Number of head	12075	18155	12255	9775	6425	657320
2012 Farms by Inventory:						
1 to 9 - Number of farms	82	112	52	54	55	5579
1 to 9 - Number of head	446	D	242	D	271	27717
1 to 10 - Number of farms	51	87	48	56	33	4686
1 to 10 - Number of head	681	1237	710	795	465	63788
20 to 49 - Number of farms	73	116	95	77	31	5782
20 to 49 - Number of head	2086	3756	2790	2391	849	174751
50 to 99 - Number of farms	33	43	32	18	23	2216
50 to 99 - Number of head	2191	2852	2020	1326	1558	146497

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
100 to 199 - Number of farms	29	31	29	19	16	961
100 to 199 - Number of head	4029	4130	3816	2522	2138	126200
200 to 499 - Number of farms	7	14	10	6	2	331
200 to 499 - Number of head	2642	3914	2677	1542	D	88638
500 or more - Number of farms	n/a	2	n/a	1	1	41
500 or more - Number of head	n/a	D	n/a	D	D	29729
Milk Cows						
Number of farms	21	43	11	11	9	1168
Number of head	2210	3732	1072	1387	67	94105
2012 Farms by Inventory:						
1 to 9 - Number of farms	10	15	6	2	5	435
1 to 9 - Number of head	17	D	13	D	7	1125
1 to 10 - Number of farms	1	2	n/a	n/a	2	60
1 to 10 - Number of head	n/a	D	n/a	n/a	D	779
20 to 49 - Number of farms	n/a	6	n/a	1	2	99
20 to 49 - Number of head	n/a	224	n/a	D	n/a	2889
50 to 99 - Number of farms	1	9	1	4	n/a	258
50 to 99 - Number of head	n/a	688	D	319	n/a	19516
100 to 199 - Number of farms	5	6	3	2	n/a	219
100 to 199 - Number of head	740	858	D	D	n/a	29470
200 to 499 - Number of farms	3	4	n/a	2	n/a	79
200 to 499 - Number of head	n/a	1387	n/a	D	n/a	23077
500 or more - Number of farms	1	1	1	n/a	n/a	18
500 or more - Number of head	n/a	D	D	n/a	n/a	17249
Other Cattle						
Number of farms	281	434	280	254	151	19895
Number of head	11876	28096	15744	9868	5153	880457
2012 Farms by Inventory:						
1 to 9 - Number of farms	111	130	86	83	64	7094
1 to 9 - Number of head	467	648	D	D	D	32356
1 to 10 - Number of farms	49	82	42	61	31	4097

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
1 to 10 - Number of head	677	1103	532	845	419	55087
20 to 49 - Number of farms	47	112	79	64	34	4519
20 to 49 - Number of head	1514	3526	2409	1968	1035	138324
50 to 99 - Number of farms	45	36	33	15	5	2063
50 to 99 - Number of head	2902	2306	2232	1033	393	139197
100 to 199 - Number of farms	19	39	20	23	15	1208
100 to 199 - Number of head	2535	5098	2576	3006	2029	161323
200 to 499 - Number of farms	7	29	18	7	1	733
200 to 499 - Number of head	1696	8209	6196	2150	D	210603
500 or more - Number of farms	3	6	2	1	1	181
500 or more - Number of head	2085	7206	D	D	D	143567
Hogs & Pigs - Inventory & Sales; Table 12						
Total number of farms	28	34	16	22	12	1265
Total number of head	393	665	724	354	369	239899
Farms by inventory						
1 to 24 - number of farms	26	30	11	17	6	1022
1 to 24 - number of head	D	191	48	D	D	6123
25 to 49 - number of farms	-	-	2	2	2	116
25 to 49 - number of head	-	-	D	D	D	3772
50 to 99 - number of farms	2	3	2	3	4	60
50 to 99 - number of head	D	D	D	195	272	3981
100 to 199 - number of farms	-	-	-	-	-	20
100 to 199 - number of head	-	-	-	-	-	D
200 to 499 - number of farms	-	1	1	-	-	16
200 to 499 - number of head	-	D	D	-	-	5380
500 to 999 - number of farms	-	-	-	-	-	2
500 to 999 - number of head	-	-	-	-	-	D
1,000 or more - number of farms	-	-	-	-	-	29
1,000 or more - number of head	-	-	-	-	-	216878

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Hogs and pigs used or to be used for breeding						
Number of farms	22	14	13	7	10	706
Number of head	127	110	152	35	53	8460
2012 farms by inventory						
1 to 24	22	13	12	7	10	678
25 to 49	-	-	-	-	-	9
50 to 99	-	1	1	-	-	14
100 or more	-	-	-	-	-	5
Other hogs and pigs:						
Number of farms	20	24	13	22	10	1035
Number of head	266	555	572	319	316	231439
SALES						
Number of farms	29	23	13	15	15	919
Number of head	619	453	1061	117	232	559658
Sales ($1,000's)	74	73	176	12	52	67702
2012 farms by number sold:						
1 to 24 - number of farms	18	18	5	15	10	675
1 to 24 - number of head	D	123	44	117	52	4474
25 to 49 - number of farms	3	4	5	-	-	93
24 to 49 - number of head	90	D	127	-	-	3072
50 to 99 - number of farms	7	-	-	-	5	58
50 to 99 - number of head	350	-	-	-	271	3397
100 to 199 - number of farms	1	-	2	-	-	36
100 to 199 - number of head	D	-	D	-	-	4421
200 to 499 - number of farms	-	1	-	-	-	10
200 to 499 - number of head	-	D	-	-	-	3221
500 to 999 - number of farms	-	-	1	-	-	13

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
500 to 999 - number of head	-	-	D	-	-	7544
1,000 or more - number of farms	-	-	-	-	-	34
1,000 or more - number of head	-	-	-	-	-	533529
Sheep and Lambs - Inventory, Wool Production & Sales; Table 13						
Total number of farms	32	87	22	21	26	2315
Total number of head	836	1256	900	465	461	84983
2012 Farms by inventory						
1 to 24 - number of farms	20	75	17	19	20	1468
1 to 24 - number of head	D	561	D	D	D	D
25 to 99 - number of farms	11	10	2	-	5	658
25 to 99 - number of head	509	D	D	-	185	30279
100 to 299 - number of farms	1	2	3	2	1	156
100 to 299 - number of head	D	D	724	D	D	23018
300 to 999 - number of head	-	-	-	-	-	32
300 to 999 - number of farms	-	-	-	-	-	16441
1000 or more - number of head	-	-	-	-	-	1
1000 or more - number of farms	-	-	-	-	-	D
Ewes 1 year old or older						
Number of farms	25	58	15	19	17	1835
Number of head	531	781	461	325	246	50236
Wool production						
Number of farms	19	50	17	13	18	1050
Pounds	4694	3270	1470	2342	1229	199408
Sales (in 1,000's)	3	4	1	Z	1	267
Sheep and lambs sold						
Number of farms	18	31	6	9	13	1462

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of head	518	449	63	325	252	48843
Sales ($1,000's)	67	72	7	57	44	6980
Milk Goats - Inventory & Sales; Table 15						
Inventory						
Number of farms	15	48	5	12	10	708
Number of head	124	324	D	D	D	6296
Sales						
Number of farms	6	20	-	7	3	308
Number of Head	40	D	-	116	22	2604
Value ($1,000)	10	D	-	12	4	407
Meat Goats - Inventory & Sales; Table 17						
Inventory						
Number of farms	40	88	19	26	30	2742
Number of head	659	1018	286	530	309	43181
Sales						
Number of farms	17	37	14	15	3	1340
Number of Head	224	327	123	218	D	25308
Value ($1,000)	31	35	14	34	D	3327
Poultry - Inventory & Sales; Table 19						
INVENTORY						
Any Poultry						
Number of farms	134	250	78	94	42	6617

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Layers						
Number of farms	115	244	76	85	46	5656
Number of head	3825	8550	1984	1876	1490	2897238
2012 farms by inventory						
1 to 49	86	199	71	72	35	4911
50 to 99	14	28	-	11	2	394
100 to 399	15	14	5	2	5	218
400 to 3,199	-	3	-	-	-	42
3,200 to 9,999	-	-	-	-	-	25
10,000 to 19,999	-	-	-	-	-	42
20,000 to 49,999	-	-	-	-	-	17
50,000 to 99,999	-	-	-	-	-	4
100,000 or more	-	-	-	-	-	3
Pullets for laying flock replacement						
Number of farms	18	15	7	13	10	701
Number of head	411	463	657	158	177	1301917
Broilers and other meat-type chickens						
Number of farms	8	29	5	12	5	966
Number of head	2470	16247	832	450	51	38386310
Turkeys						
Number of farms	7	17	8	8	7	663
Number of head	195	828	D	148007	21	5160805
Ducks, geese, and other miscellaneous poultry						
Number of farms	51	65	8	23	17	1570
SALES						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Any poultry sold						
Number of farms	79	150	41	55	30	4042
Layers sold						
Number of farms	13	40	7	13	9	937
Number of head	386	1266	99	232	1277	2687902
Pullets for laying flock replacement sold						
Number of farms	-	7	-	4	-	142
Number of head	-	2014	-	300	-	2809131
Broilers and other meat-type chickens sold						
Number of farms	6	15	9	8	4	807
Number of head	2250	10751	1580	300	1650	237669378
2012 farms by number sold:						
1 to 1,999	6	12	9	8	4	309
2,000 to 59,999	-	3	-	-	-	22
60,000 to 99,999	-	-	-	-	-	9
100,000 to 199,999	-	-	-	-	-	66
200,000 to 499,999	-	-	-	-	-	221
500,000 or more	-	-	-	-	-	180
Turkeys sold						
Number of farms	1	10	8	7	4	429
Number of head	D	698	D	607000	248	18223608
Ducks, geese, and other miscellaneous poultry sold						
Number of farms	19	19	6	3	5	429

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Aquaculture Sales - Table 22						
Trout						
Number of Farms			1			32
Value ($1,000)			D			3343
Land Used for Vegetables and Vegetables Harvested for Sale - Table 28						
LAND USED FOR VEGETABLES						
Harvested						
Number of Farms	32	32	25	19	10	1656
Number of Acres	66	130	55	58	57	21072
Irrigated						
Number of Farms	9	14	5	14	5	628
Number of Acres	10	61	2	37	50	10114
Vegetables harvested (see text acres)	67	138	63	59	59	22454
Land in Orchards - Table 30						
TOTAL						
Number of Farms	15	53	27	27	45	1365
Number of Acres	45	485	178	339	466	19144
IRRIGATED						
Number of Farms	5	17	2	3	7	260
Number of Acres	10	61	D	D	47	2476
Fruits & Nuts - Table 31						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
NONCITRUS, ALL						
TOTAL						
Number of Farms	15	53	27	25	45	1333
Number of Acres	D	D	D	D	D	18643
BEARING AGE ACRES						
Number of Farms	9	46	19	18	42	996
Number of Acres	35	393	139	292	386	16074
NONBEARING AGE ACRES						
Number of Farms	8	32	14	16	19	745
Number of Acres	D	D	D	D	D	2569
APPLES						
TOTAL						
Number of Farms	8	20	10	12	28	733
Number of Acres	6	124	109	9	308	11929
BEARING AGE ACRES						
Number of Farms	4	16	7	3	25	443
Number of Acres	5	120	D	D	249	10557
NONBEARING AGE ACRES						
Number of Farms	6	6	4	9	11	445
Number of Acres	1	4	D	D	60	1372
APRICOTS						
TOTAL						
Number of Farms				1		12
Number of Acres				D		5
BEARING AGE ACRES						
Number of Farms				1		2

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Acres				D		D
NONBEARING AGE ACRES						
Number of Farms				-		10
Number of Acres				-		D
CHERRIES, SWEET						
TOTAL						
Number of Farms	2		1	4	2	72
Number of Acres	D		D	Z	D	47
BEARING AGE ACRES						
Number of Farms	-		-	-	2	21
Number of Acres	-		-	-	D	34
NONBEARING AGE ACRES						
Number of Farms	2		1	4	-	52
Number of Acres	D		D	Z	-	14
CHERRIES, TART						
TOTAL						
Number of Farms	2	1		2	5	39
Number of Acres	D	D		D	1	19
BEARING AGE ACRES						
Number of Farms	-	1		2	3	17
Number of Acres	-	D		D	D	11
NONBEARING AGE ACRES						
Number of Farms	2	-		2	2	30
Number of Acres	D	-		D	D	9
FIGS						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
TOTAL						
Number of Farms				4		27
Number of Acres				Z		8
BEARING AGE ACRES						
Number of Farms				4		15
Number of Acres				Z		6
NONBEARING AGE ACRES						
Number of Farms				-		12
Number of Acres				-		2
GRAPES						
TOTAL						
Number of Farms	9	33	19	15	19	660
Number of Acres	26	244	54	281	132	4371
BEARING AGE ACRES						
Number of Farms	5	28	14	8	19	513
Number of Acres	D	196	42	275	114	3733
NONBEARING AGE ACRES						
Number of Farms	4	25	9	9	9	325
Number of Acres	D	48	11	6	18	638
KIWIFRUIT						
TOTAL						
Number of Farms				4		32
Number of Acres				Z		10
BEARING AGE ACRES						
Number of Farms				-		12
Number of Acres				-		6

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
NONBEARING AGE ACRES						
Number of Farms				4		20
Number of Acres				Z		4
PEACHES, ALL						
TOTAL						
Number of Farms	10	14	10	11	10	430
Number of Acres	7	103	11	10	11	1773
BEARING AGE ACRES						
Number of Farms	6	8	7	3	8	244
Number of Acres	6	D	D	8	D	1375
NONBEARING AGE ACRES						
Number of Farms	4	9	4	8	2	248
Number of Acres	1	D	D	8	D	398
PEARS, ALL						
TOTAL						
Number of Farms						293
Number of Acres						165
BEARING AGE ACRES						
Number of Farms						130
Number of Acres						90
NONBEARING AGE ACRES						
Number of Farms						192
Number of Acres						75
PLUMS & PRUNES						
TOTAL						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Farms	4			1	2	81
Number of Acres	Z			D	D	26
BEARING AGE ACRES						
Number of Farms	2			1	2	23
Number of Acres	D			D	D	10
NONBEARING AGE ACRES						
Number of Farms	2			-	-	65
Number of Acres	D			-	-	16
OTHER NONCITRUS FRUIT						
TOTAL						
Number of Farms					1	18
Number of Acres					D	60
BEARING AGE ACRES						
Number of Farms					1	8
Number of Acres					D	39
NONBEARING AGE ACRES						
Number of Farms					-	11
Number of Acres					-	21
NUTS, ALL						
TOTAL						
Number of Farms	1	2	1	2	2	164
Number of Acres	D	D	D	D	D	D
BEARING AGE ACRES						
Number of Farms	-	-	1	2	-	53
Number of Acres	-	-	D	D	-	254

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
NONBEARING AGE ACRES						
Number of Farms	1	2	-	-	2	127
Number of Acres	D	D	-	-	D	D
Land in Berries - Table 32						
TOTAL						
Number of Farms	12	33	21	11	8	800
Number of Acres	8	32	24	12	5	1120
IRRIGATED						
Number of Farms	3	15	5	5	2	311
Number of Acres	1	21	8	3	D	400
Berries - Table 33						
BLACKBERRIES & DEWBERRIES						
Number of Farms	5	18	9	2	3	292
Number of Acres	D	8	D	D	D	269
HARVESTED						
Number of Farms	1	11	8	2	2	216
Number of Acres	D	7	2	D	D	150
NOT HARVESTED						
Number of Farms	4	6	3	-	1	98
Number of Acres	Z	1	D	-	D	119
BLUEBERRIES, TAME						
Number of Farms	7	19	9	6	5	415
Number of Acres	2	10	11	4	1	423
HARVESTED						

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Farms	1	14	7	2	5	273
Number of Acres	D	6	D	D	1	242
NOT HARVESTED						
Number of Farms	7	10	3	4	-	197
Number of Acres	D	4	D	D	-	181
BLUEBERRIES, WILD						
Number of Farms	1				1	33
Number of Acres	D				D	18
HARVESTED						
Number of Farms	1				1	26
Number of Acres	D				D	9
NOT HARVESTED						
Number of Farms	-				-	17
Number of Acres	-				-	9
RASPBERRIES, WILD						
Number of Farms	11	20	8	10	1	240
Number of Acres	3	7	3	3	D	110
HARVESTED						
Number of Farms	3	15	6	6	-	169
Number of Acres	Z	6	D	3	-	72
NOT HARVESTED						
Number of Farms	9	6	2	4	1	92
Number of Acres	3	1	D	Z	D	38
STRAWBERRIES						
Number of Farms	8	7	13	6	1	313

2012 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Acres	2	6	6	D	D	290
HARVESTED						
Number of Farms	6	7	9	6	-	263
Number of Acres	1	6	2	2	-	252
NOT HARVESTED						
Number of Farms	3	-	4	1	1	78
Number of Acres	1	-	4	D	D	38
OTHER BERRIES						
Number of Farms			1			39
Number of Acres			D			11
HARVESTED						
Number of Farms			1			24
Number of Acres			D			6
NOT HARVESTED						
Number of Farms			-			16
Number of Acres			-			5
Commodities Raised and Delivered Under Production Contract - Table 39						
Turkeys						
Total Number of Farms			1	7		221
Total Number of Head			D	607000		17697389
Replacement Dairy Heifers						
Total Number of Farms				6		56
Total Number of Head				210		5400

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
County Summary Highlights - Table 1	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Farms (number)	667	1,222	564	518	416	
Land in Farms (acres)	111,370	222,486	102,757	104,606	65,084	
Average size of farm (acres)	167	182	182	202	156	
Median size of farm (acres)	62	56	60	90	55	
Estimated market value of land and buildings:						
Average per farm ($)	990,792	1,052,419	105,790	1,119,940	972,016	
Average per acre ($)	5,934	5,780	5,778	5,546	6,213	
Estimated market value of all machinery and equipment ($1,000)	n/a	n/a	n/a	n/a	n/a	
Average per farm ($)	73,158	73,883	68,641	84,145	46,567	
Farms by size:						
1 to 9 acres	27	89	34	41	19	
10 to 49 acres	264	455	212	145	175	
50 to 179 acres	235	410	191	191	142	
180 to 499 acres	96	181	82	92	56	
500 to 999 acres	27	43	20	25	13	
1,000 acres or more	18	44	25	24	11	
Total Cropland (farms)	489	749	399	341	313	
Total Cropland (acres)	56,111	85,075	42,011	45,202	20,871	
Harvested cropland (farms)	404	590	347	302	272	
Harvested cropland (acres)	44,898	63,789	32,721	33,243	15,182	
Irrigated land (farms)	29	54	18	26	27	
Irrigated land (acres)	1,266	921	69	627	131	
Market value of agricultural products sold ($1,000)	27,137	47,981	20,223	76,082	7,539	

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Average per farm ($)	40,685	39,264	35,857	146,877	18,122	
Crops, including nursery and greenhouse cr	12,796	10,213	5,728	50,673	2,465	
Livestock, poultry, and their products ($1,0	14,341	37,767	14,496	25,410	5,073	
Farms by value of sales:						
Less than $2,500	275	563	202	217	183	
$2,500 to $4,999	64	128	66	53	61	
$5,000 to $9,999	115	157	99	75	46	
$10,000 to $24,999	102	165	83	66	60	
$25,000 to $49,999	55	89	45	40	35	
$50,000 to $99,999	15	59	29	15	15	
$100,000 or more	41	61	40	52	16	
Government payments:						
Number of farms	116	141	108	100	46	
Amount ($1,000)	376	628	310	341	110	
Total income from farm-related sources, gross before taxes and expenses:						
Number of farms	289	518	221	178	168	
Amount ($1,000)	2,050	7,642	1,145	1,692	1,240	
Total farm production expenses ($1,000)	29,991	76,060	23,270	50,804	10,487	
Average per farm ($)	44,964	62,242	41,259	98,077	25,208	
Net cash farm income of operation:						
Number of farms	667	1,222	564	518	416	
Amount ($1,000)	-428	-19,809	-1,591	27,311	-1,598	
Average per farm ($)	-642	-16,211	-2,822	52,723	-3,841	

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Principal operator by primary occupation:						
Farming (#)	319	568	253	201	186	
Other (#)	348	654	311	317	230	
Principal operator by days worked off farm:						
Any (#)	432	876	382	337	261	
200 days or more (#)	267	519	190	204	131	
Livestock and poultry:						
Cattle and calves inventory (farms)	318	538	383	294	194	
Cattle and calves inventory (#)	23,039	44,154	28,132	20,832	11,869	
Beef cows (farms)	257	434	303	263	170	
Beef cows (#)	11,767	19,060	12,789	11,093	D	
Milk cows (farms)	24	43	21	7	2	
Milk cows (#)	2,249	4,086	1,459	903	D	
Cattle and calves sold (farms)	269	481	338	217	157	
Cattle and calves sold (#)	11,474	25,740	13,505	10,180	5,794	
Hogs and pigs inventory (farms)	19	22	27	16	13	
Hogs and pigs inventory (#)	459	312	676	122	80	
Hogs and pigs sold (farms)	16	19	27	12	17	
Hogs and pigs sold (#)	497	326	994	101	D	
Sheep and lambs inventory (farms)	42	45	26	28	14	
Sheep and lambs inventory (#)	1,167	845	363	1,075	347	
Layers inventory (farms)	48	138	59	43	46	
Layers inventory (#)	674	3,571	1,204	1,458	1,275	
Broilers and other meat-type chickens sold (farms)	1	6	7	n/a	16	
Broilers and other meat-type chickens sold (#)	D	706	327	n/a	1,136	
Selected crops harvested:						

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Corn for grain (farms)	44	51	34	31	6	
Corn for grain (acres)	6,026	8,595	4,151	4,497	571	
Corn for grain (bushels)	609,098	794,974	357,140	436,944	49,473	
Corn for silage or greenchop (farms)	26	53	29	19	12	
Corn for silage or greenchop (acres)	2,699	6,230	1,877	1,871	360	
Corn for silage or greenchop (tons)	26,834	71,500	32,000	24,542	4,514	
Wheat for grain, all (farms)	12	12	12	13	1	
Wheat for grain, all (acres)	1,420	1,143	762	1,879	D	
Wheat for grain, all (bushels)	92,514	28,118	58,033	122,741	D	
Winter wheat for grain (farms)	12	12	12	13	1	
Winter wheat for grain (acres)	1,420	1,143	762	1,879	D	
Winter wheat for grain (bushels)	92,514	28,118	58,033	122,741	D	
Oats for grain (farms)	7	11	3	3	n/a	
Oats for grain (acres)	149	186	22	D	n/a	
Oats for grain (bushels)	4,290	4,110	1,050	D	n/a	
Barley for grain (farms)	7	18	8	8	4	
Barley for grain (acres)	312	1218	465	441	100	
Barley for grain (bushels)	26195	42754	46598	36899	6792	
** Different categories in 2012 Census*						
Vegetables, Potatoes, and Melons Harvested for Sale: Table 29						
VEGETABLES HARVESTED FOR SALE						
Vegetables Harvested (farms)	20	21	12	7	15	1616
Vegetables Harvested (acres)	44	75	99	12	44	27887
Asparagus, Bearing Age						
Asparagus Harvested (farms)	n/a	2	1	3	4	78
Asparagus Harvested (acres)	n/a	n/a	n/a	2	5	88
Beans, Green Lima						

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Beans, Gren Lima Harvested (farms)	n/a	n/a	n/a	n/a	2	55
Beans, Green Lima Harvested (acres)	n/a	n/a	n/a	n/a	n/a	734
Beans, Snap (Bush & Pole)						
Beans, Snap Harvested (farms)	9	10	2	3	4	606
Beans, Snap Harvested (acres)	2	8	n/a	1	1	5635
Beets						
Beets Harvested (farms)	1	n/a	n/a	n/a	2	68
Beets Harvested (acres)	n/a	n/a	n/a	n/a	n/a	31
Broccoli						
Broccoli Harvested (farms)	n/a	n/a	n/a	n/a	2	75
Broccoli Harvested (acres)	n/a	n/a	n/a	n/a	n/a	551
Brussel Sprouts						
Brussel Sprouts Harvested (farms)	n/a	1	n/a	n/a	n/a	14
Brussel Sprouts Harvested (acres)	n/a	n/a	n/a	n/a	n/a	20
Cabbage, Head						
Cabbage, Head Harvested (farms)	1	n/a	n/a	n/a	2	100
Cabbage, Head Harvested (acres)	n/a	n/a	n/a	n/a	n/a	468
Canteloupes and Muskmelons						
Canteloupes and Muskmelons Harvested (farms)	1	1	3	n/a	1	331
Canteloupes and Muskmelons Harvested (acres)	n/a	n/a	7	n/a	n/a	715
Carrots						11
Carrots Harvested (farms)	n/a	n/a	n/a	n/a	n/a	8
Carrots Harvested (acres)	n/a	n/a	n/a	n/a	n/a	

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Cauliflower						
Cauliflower Harvested (farms)	n/a	n/a	n/a	n/a	n/a	7
Cauliflower Harvested (acres)	n/a	n/a	n/a	n/a	n/a	1
Celery						
Celery Harvested (farms)	n/a	1	n/a	n/a	n/a	2
Celery Harvested (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Collards						
Collards Harvested (farms)	n/a	n/a	n/a	n/a	n/a	54
Collards Harvested (acres)	n/a	n/a	n/a	n/a	n/a	138
Cucumbers and Pickles						
Cucumbers and Pickles Harvested (farms)	2	3	3	n/a	3	457
Cucumbers and Pickles Harvested (acres)	n/a	3	3	n/a	1	861
Eggplant						
Eggplant Harvested (farms)	1	1	n/a	n/a	n/a	87
Eggplant Harvested (acres)	n/a	n/a	n/a	n/a	n/a	45
Garlic						
Garlic Harvested (farms)	n/a	n/a	2	1	1	44
Garlic Harvested (acres)	n/a	n/a	n/a	n/a	n/a	26
Herbs, Fresh Cut						
Herbs, Fresh Cut Harvested (farms)	n/a	3	1	3	2	73
Herbs, Fresh Cut Harvested (acres)	n/a	n/a	n/a	2	n/a	47
Horseradish						
Horseradish Harvested (farms)	n/a	n/a	n/a	n/a	n/a	n/a
Horseradish Harvested (acres)	n/a	n/a	n/a	n/a	n/a	n/a

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Kale						
Kale Harvested (farms)	n/a	n/a	n/a	n/a	n/a	41
Kale Harvested (acres)	n/a	n/a	n/a	n/a	n/a	71
Lettuce, All						
Lettuce, All Harvested (farms)	2	n/a	1	1	n/a	62
Lettuce, All Harvested (acres)	n/a	n/a	n/a	n/a	n/a	37
Lettuce, Head						
Lettuce, Head Harvested (farms)	n/a	n/a	n/a	n/a	n/a	15
Lettuce, Head Harvested (acres)	n/a	n/a	n/a	n/a	n/a	15
Lettuce, Leaf						
Lettuce, Leaf Harvested (farms)	2	n/a	1	1	n/a	45
Lettuce, Leaf Harvested (acres)	n/a	n/a	n/a	n/a	n/a	19
Lettuce, Romaine						
Lettuce, Romaine Harvested (farms)	n/a	n/a	n/a	n/a	n/a	9
Lettuce, Romaine Harvested (acres)	n/a	n/a	n/a	n/a	n/a	2
Mustard Greens						
Mustard Greens Harvested (farms)	n/a	n/a	n/a	n/a	n/a	11
Mustard Greens Harvested (acres)	n/a	n/a	n/a	n/a	n/a	7
Okra						
Okra Harvested (farms)	n/a	1	1	n/a	2	32
Okra Harvested (acres)	n/a	n/a	n/a	n/a	n/a	13
Onions, Dry						
Onions, Dry Harvested (farms)	n/a	1	n/a	n/a	n/a	33
Onions, Dry Harvested (acres)	n/a	n/a	n/a	n/a	n/a	n/a

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Onions, Green						
Onions, Green Harvested (farms)	n/a	n/a	n/a	1	2	60
Onions, Green Harvested (acres)	n/a	n/a	n/a	n/a	n/a	42
Parsley						
Parsley Harvested (farms)	n/a	n/a	n/a	n/a	n/a	1
Parsley Harvested (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Peas, Chinese (Sugar and Snow)						
Peas, Chinese Harvested (farms)	n/a	2	n/a	n/a	2	14
Peas, Chinese Harvested (acres)	n/a	n/a	n/a	n/a	n/a	6
Peas, Green (Excluding Southern)						
Peas, Green Harvested (farms)	1	n/a	n/a	n/a	2	56
Peas, Green Harvested (acres)	n/a	n/a	n/a	n/a	n/a	69
Peppers, Bell (Excluding Pimientos)						
Peppers, Bell Harvested (farms)	4	3	1	n/a	7	189
Peppers, Bell Harvested (acres)	1	n/a	n/a	n/a	2	232
Peppers Other Than Bell (Including Chile)						
Peppers Other Than Bell Harvested (farms)	1	1	n/a	n/a	4	95
Peppers Other Than Bell Harvested (acres)	n/a	n/a	n/a	n/a	1	161
Potatoes						
Potatoes Harvested (farms)	7	1	4	3	6	596
Potatoes Harvested (acres)	3	n/a	11	1	3	5408
Pumpkins						
Pumpkins Harvested (farms)	5	3	3	1	n/a	244

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Pumpkins Harvested (acres)	22	13	33	n/a	n/a	2075
Radishes						
Radishes Harvested (farms)	n/a	1	n/a	n/a	n/a	24
Radishes Harvested (acres)	n/a	n/a	n/a	n/a	n/a	6
Rhubarb						
Rhubarb Harvested (farms)	n/a	n/a	1	n/a	3	10
Rhubarb Harvested (acres)	n/a	n/a	n/a	n/a	n/a	2
Spinach						
Spinach Harvested (farms)	2	1	n/a	n/a	2	26
Spinach Harvested (acres)	n/a	n/a	n/a	n/a	n/a	n/a
Squash, All						
Squash, All Harvested (farms)	2	3	1	n/a	3	234
Squash, All Harvested (acres)	n/a	2	n/a	n/a	n/a	408
Squash, Summer						
Squash, Summer Harvested (farms)	2	n/a	n/a	n/a	3	213
Squash, Summer Harvested (acres)	n/a	n/a	n/a	n/a	n/a	312
Squash, Winter						
Squash, Winter Harvested (farms)	n/a	3	1	n/a	2	62
Squash, Winter Harvested (acres)	n/a	2	n/a	n/a	n/a	96
Sweet Corn						
Sweet Corn Harvested (farms)	2	8	3	1	5	631
Sweet Corn Harvested (acres)	n/a	12	5	n/a	7	3416
Sweet Potatoes						
Sweet Potatoes Harvested (farms)	n/a	n/a	n/a	n/a	n/a	83
Sweet Potatoes Harvested (acres)	n/a	n/a	n/a	n/a	n/a	330

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Tomatoes in the Open						
Tomatoes in the Open Harvested (farms)	12	11	4	6	10	772
Tomatoes in the Open Harvested (acres)	6	9	7	3	8	4462
Turnip Greens						
Turnip Greens Harvested (farms)	n/a	n/a	n/a	n/a	2	27
Turnip Greens Harvested (acres)	n/a	n/a	n/a	n/a	n/a	13
Turnips						
Turnips Harvested (farms)	n/a	1	n/a	n/a	n/a	17
Turnips Harvested (acres)	n/a	n/a	n/a	n/a	n/a	12
Watermelons						
Watermelons Harvested (farms)	1	2	n/a	n/a	2	374
Watermelons Harvested (acres)	n/a	n/a	n/a	n/a	n/a	972
Other Vegetables						
Other Vegetables Harvested (farms)	n/a	2	2	n/a	3	144
Other Vegetables Harvested (acres)	n/a	n/a	n/a	n/a	11	216
Cattle and Calves - Inventory and Sales: Table 11						
Cattle and Calves - Number of farms	318	538	383	294	194	25957
Cattle and Calves - Number of head	23039	44154	28132	20832	11869	1566217
Total Farms by Inventory						
1 to 9 - Number of farms	77	121	73	64	44	5869
1 to 9 - Number of head	364	644	340	300	226	29898
1 to 10 - Number of farms	51	90	77	53	44	5071
1 to 10 - Number of head	668	1317	1111	756	D	69821

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
20 to 49 - Number of farms	89	160	111	86	58	7434
20 to 49 - Number of head	2985	5021	3562	2675	1652	232454
50 to 99 - Number of farms	45	69	38	38	22	3714
50 to 99 - Number of head	2959	4734	2742	2489	1664	257050
100 to 199 - Number of farms	28	46	48	27	9	2254
100 to 199 - Number of head	3985	6344	6020	3593	D	303776
200 to 499 - Number of farms	24	39	31	21	16	1245
200 to 499 - Number of head	7810	12563	9787	6398	4718	368006
500 or more - Number of farms	4	13	5	5	1	370
500 or more - Number of head	4268	13531	4570	4621	D	305212
Cows and Heifers that Calved						
Number of farms	266	461	313	268	171	22595
Number of head	14016	23146	14248	11996	6425	793978
Beef cows						
Number of farms	257	434	303	263	170	21907
Number of head	11767	19060	12789	11093	D	695061
Milk Cows						
Number of farms	24	43	21	7	2	1154
Number of head	2249	4086	1459	903	D	98917
Other Cattle						
Number of farms	263	433	307	229	153	20703
Number of head	9023	21008	13884	8836	5161	772239
Hogs & Pigs - Inventory & Sales; Table 12						
Total number of farms	19	22	27	16	13	1240
Total number of head	459	312	676	122	80	371176

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Farms by inventory						
1 to 24 - number of farms	10	17	21	13	13	987
1 to 24 - number of head	D	D	D	32	80	5533
25 to 49 - number of farms		2	5	3	-	96
24 to 49 - number of head	8	D	225	90	-	3282
50 to 99 - number of farms	268	3	-	-	-	60
50 to 99 - number of head	-	184	-	-	-	4169
100 to 199 - number of farms	-	-	-	-	-	27
100 to 199 - number of head	1	-	-	-	-	3411
200 to 499 - number of farms	D	-	1	-	-	17
200 to 499 - number of head	-	-	D	-	-	4556
500 to 999 - number of farms	-	-	-	-	-	10
500 to 999 - number of head	-	-	-	-	-	6437
1,000 or more - number of farms	-	-	-	-	-	43
1,000 or more - number of head	-	-	-	-	-	343788
Hogs and pigs used or to be used for breeding						
Number of farms	15	10	11	4	5	606
Number of head	105	59	175	14	14	32187
~~2007 farms by inventory~~						
~~1 to 24~~						
~~25 to 49~~						
~~50 to 99~~						
~~100 or more~~						
Other hogs and pigs:						
Number of farms	16	17	27	16	8	1067
Number of head	266	253	501	108	66	338989
SALES						
Hogs and pigs sold	16	19	27	12	17	964

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of farms	497	326	994	101	D	965117
Number of head	59	18	121	11	108	56960
~~2007 farms by number sold:~~						
~~1 to 24 - number of farms~~						
~~1 to 24 - number of head~~						
~~25 to 49 - number of farms~~						
~~24 to 49 - number of head~~						
~~50 to 99 - number of farms~~						
~~50 to 99 - number of head~~						
~~100 to 199 - number of farms~~						
~~100 to 199 - number of head~~						
~~200 to 499 - number of farms~~						
~~200 to 499 - number of head~~						
~~500 to 999 - number of farms~~						
~~500 to 999 - number of head~~						
~~1,000 or more - number of farms~~						
~~1,000 or more - number of head~~						
Sheep and Lambs - Inventory, Wool Production & Sales; Table 13						
Total number of farms	42	45	26	28	14	2132
Total number of head	167	845	363	1075	347	77648
~~Farms by inventory~~						
~~1 to 24 - number of farms~~						
~~1 to 24 - number of head~~						
~~25 to 99 - number of farms~~						
~~25 to 99 - number of head~~						
~~100 to 299 - number of farms~~						
~~100 to 299 - number of head~~						
~~300 to 999 - number of head~~						

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
~~300 to 999 - number of farms~~						
~~1000 or more - number of head~~						
~~1000 or more - number of farms~~						
Ewes 1 year old or older						
Number of farms	38	32	17	23	7	1796
Number of head	664	467	307	726	151	48219
Wool production						
Number of farms	26	27	10	12	8	949
Pounds	6332	2481	2593	4119	1400	232352
Sales (in 1,000's)	N/A	N/A	N/A	N/A	N/A	n/a
Sheep and lambs sold						
Number of farms	28	19	13	15	7	1365
Number of head	713	537	446	350	105	47052
Sales ($1,000's)	N/A	N/A	N/A	N/A	N/A	n/a
Milk Goats - Inventory & Sales; Table 15						
Inventory						
Number of farms						617
Number of head						5344
Sales						
Number of farms						180
Number of Head						1647
Value ($1,000)						n/a
Meat Goats - Inventory & Sales; Table 17						

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Inventory						
Number of farms						3452
Number of head						56214
Sales						
Number of farms						1345
Number of Head						22348
Value ($1,000)						N/A
Poultry - Inventory & Sales; Table 19						
INVENTORY						
Any Poultry						
Number of farms	37	151	59	53	53	4590
Layers						
Number of farms	14	138	59	43	46	3464
Number of head	141387	3571	1204	1458	1275	3208912
~~2012 farms by inventory~~						
~~1 to 49~~						
~~50 to 99~~						
~~100 to 399~~						
~~400 to 3,199~~						
~~3,200 to 9,999~~						
~~10,000 to 19,999~~						
~~20,000 to 49,999~~						
~~50,000 to 99,999~~						
~~100,000 or more~~						
Pullets for laying flock replacement						
Number of farms	7	33	10	8	8	509
Number of head	124	702	476	233	177	1187798

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Broilers and other meat-type chickens						
Number of farms	3	11	7	3	8	738
Number of head	D	475	224	12	51	43744639
Turkeys						
Number of farms	9	14	14	9	11	572
Number of head	195	828	107	155354	352	6330958
Ducks, geese, and other miscellaneous poultry						
Number of farms	25	67	18	16	19	1495
SALES						
Any poultry sold						
Number of farms	46	118	41	41	44	3790
Layers sold						
Number of farms	3	11	12	4	6	602
Number of head	20	D	D	D	1277	2323378
Pullets for laying flock replacement sold						
Number of farms	3	2	1	2	2	109
Number of head	36	D	D	D	D	2263004
Broilers and other meat-type chickens sold						
Number of farms	1	6	7	-	16	672
Number of head	D	706	327	-	1136	249184367
~~2012 farms by number sold:~~						

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
~~1 to 1,999~~						
~~2,000 to 59,999~~						
~~60,000 to 99,999~~						
~~100,000 to 199,999~~						
~~200,000 to 499,999~~						
~~500,000 or more~~						
Turkeys sold						
Number of farms	2	-	12	7	3	344
Number of head	D	-	121	627000	251	18434065
Ducks, geese, and other miscellaneous poultry sold						
Number of farms	11	15	6	2	-	304
Land Used for Vegetables and Vegetables Harvested for Sale - Table 28						
LAND USED FOR VEGETABLES						
Harvested						
Number of Farms	20	21	12	7	15	1616
Number of Acres	44	73	91	13	40	26265
Irrigated						
Number of Farms	4	5	2	4	8	499
Number of Acres	3	26	D	6	27	14859
Vegetables harvested (see text acres)	44	75	99	12	44	27887
Land in Orchards - Table 30						
TOTAL						

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Farms	20	62	22	19	40	1277
Number of Acres	42	457	299	296	426	19713
IRRIGATED						
Number of Farms	2	13	3	1	6	218
Number of Acres	D	51	D	D	38	2634
Fruits & Nuts - Table 31						
NONCITRUS, ALL						
TOTAL						
Number of Farms						1204
Number of Acres						19054
BEARING AGE ACRES						
Number of Farms						1002
Number of Acres						16948
NONBEARING AGE ACRES						
Number of Farms						539
Number of Acres						2105
APPLES						
TOTAL						
Number of Farms						626
Number of Acres						13774
BEARING AGE ACRES						
Number of Farms						462
Number of Acres						12619
NONBEARING AGE ACRES						
Number of Farms						285

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Acres						1155
APRICOTS						
TOTAL						
Number of Farms						41
Number of Acres						10
BEARING AGE ACRES						
Number of Farms						22
Number of Acres						6
NONBEARING AGE ACRES						
Number of Farms						21
Number of Acres						4
CHERRIES, SWEET						
TOTAL						
Number of Farms						128
Number of Acres						58
BEARING AGE ACRES						
Number of Farms						59
Number of Acres						23
NONBEARING AGE ACRES						
Number of Farms						76
Number of Acres						35
CHERRIES, TART						
TOTAL						
Number of Farms						83
Number of Acres						41

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
BEARING AGE ACRES						
Number of Farms						43
Number of Acres						21
NONBEARING AGE ACRES						
Number of Farms						43
Number of Acres						20
FIGS						
TOTAL						
Number of Farms						17
Number of Acres						5
BEARING AGE ACRES						
Number of Farms						12
Number of Acres						4
NONBEARING AGE ACRES						
Number of Farms						7
Number of Acres						1
GRAPES						
TOTAL						
Number of Farms						517
Number of Acres						3258
BEARING AGE ACRES						
Number of Farms						434
Number of Acres						2661
NONBEARING AGE ACRES						
Number of Farms						251
Number of Acres						597

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
KIWIFRUIT						
TOTAL						
Number of Farms						10
Number of Acres						1
BEARING AGE ACRES						
Number of Farms						6
Number of Acres						1
NONBEARING AGE ACRES						
Number of Farms						4
Number of Acres						1
PEACHES, ALL						
TOTAL						
Number of Farms						363
Number of Acres						1484
BEARING AGE ACRES						
Number of Farms						264
Number of Acres						1283
NONBEARING AGE ACRES						
Number of Farms						153
Number of Acres						201
PEARS, ALL						
TOTAL						
Number of Farms	7	8	4	10	3	293
Number of Acres	2	5	3	3	1	165
BEARING AGE ACRES						

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Farms	-	4	3	1	1	130
Number of Acres	-	2	D	D	D	90
NONBEARING AGE ACRES						
Number of Farms	2	6	1	9	2	192
Number of Acres	D	3	D	D	D	75
PLUMS & PRUNES						
TOTAL						
Number of Farms						98
Number of Acres						49
BEARING AGE ACRES						
Number of Farms						51
Number of Acres						25
NONBEARING AGE ACRES						
Number of Farms						50
Number of Acres						23
OTHER NONCITRUS FRUIT						
TOTAL						
Number of Farms						79
Number of Acres						90
BEARING AGE ACRES						
Number of Farms						77
Number of Acres						82
NONBEARING AGE ACRES						
Number of Farms						7
Number of Acres						8

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
NUTS, ALL						
TOTAL						
Number of Farms						207
Number of Acres						661
BEARING AGE ACRES						
Number of Farms						147
Number of Acres						406
NONBEARING AGE ACRES						
Number of Farms						102
Number of Acres						254
Land in Berries - Table 32						
TOTAL						
Number of Farms	4	10	11	4	9	512
Number of Acres	4	10	11	3	8	982
IRRIGATED						
Number of Farms	-	4	1	3	4	182
Number of Acres	-	6	D	3	1	405
Berries - Table 33						
BLACKBERRIES & DEWBERRIES						
Number of Farms						193
Number of Acres						268
HARVESTED						
Number of Farms						171
Number of Acres						180

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
NOT HARVESTED						
Number of Farms						49
Number of Acres						89
BLUEBERRIES, TAME						
Number of Farms						204
Number of Acres						256
HARVESTED						
Number of Farms						137
Number of Acres						160
NOT HARVESTED						
Number of Farms						87
Number of Acres						97
BLUEBERRIES, WILD						
Number of Farms						16
Number of Acres						D
HARVESTED						
Number of Farms						12
Number of Acres						D
NOT HARVESTED						
Number of Farms						7
Number of Acres						4
RASPBERRIES, WILD						
Number of Farms						124
Number of Acres						78
HARVESTED						

2007 Census of Agriculture	Culpeper	Fauquier	Madison	Orange	Rappahannock	Virginia
Number of Farms						106
Number of Acres						60
NOT HARVESTED						
Number of Farms						25
Number of Acres						17
STRAWBERRIES						
Number of Farms						178
Number of Acres						330
HARVESTED						
Number of Farms						157
Number of Acres						296
NOT HARVESTED						
Number of Farms						36
Number of Acres						34
OTHER BERRIES						
Number of Farms						38
Number of Acres						19
HARVESTED						
Number of Farms						37
Number of Acres						D
NOT HARVESTED						
Number of Farms						1
Number of Acres						D