

# PENINSULA MASTER GARDENER SMALL FRUIT CLASS

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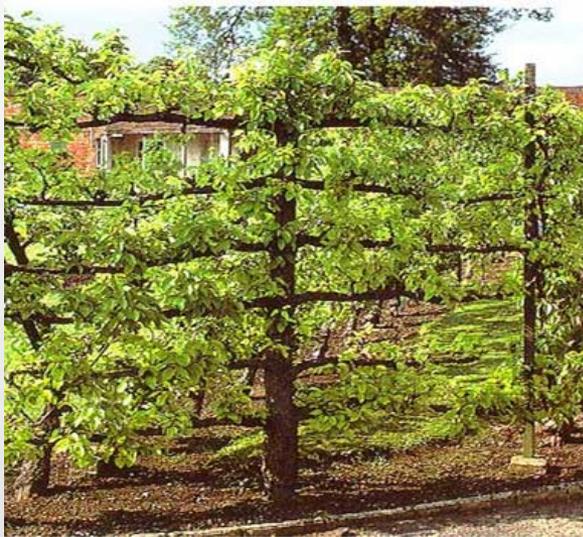
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# SYLLABUS

- INSPIRE AND INSTRUCT ON TIDEWATER STRAWBERRIES, BRAMBLES, BLUEBERRIES, GRAPES AND MINOR FRUITS
- PROVIDE A RESOURCE LIST FOR EXPANDING FURTHER KNOWLEDGE
- SHARE ACTUAL EXPERIENCE AND PICTURES OF SMALL FRUITS IN THE TIDEWATER.

# Fruit provides perennial opportunities for vertical development in the garden





# REASONS TO PROMOTE FRUIT CULTURE

- LOCALLY PRODUCED FOOD AND BEVERAGES
- FAMILY'S QUALITY OF LIFE & HEALTH
- OUTDOOR RECREATION
- PRESERVE HEIRLOOM VARIETIES
- SOCIAL INTERACTION INCLUDING CSA'S
- VALUE AS LANDSCAPE ELEMENTS
- FRUIT INDUSTRY SUSTAINABILITY

# INCREDIBLE EDIBLE BERRIES



- REQUIRE MINIMUM SPACE FOR AMOUNT OF FRUIT PRODUCED
- POWER HOUSE OF NUTRIENTS
- LANDSCAPE VALUE

# STRAWBERRIES

- EVERYONE LOVES STRAWBERRIES
- Regular matted row planting ideal for home. Need 18" BETWEEN PLANTS
- Straw mulch in the winter
- TIP : TRY IN A CONTAINER
- TIP : remove first flowers post planting
- TIP: PLANT EARLIGLOW FOR BEST FLAVOR, PLANT CHANDLER FOR MOST BERRIES, PLANT ALBION FOR FALL FRUIT!





# RASPBERRIES

- RED RASPBERRIES
- PURPLES RASPBERRIES
- BLACK RASPBERRIES
- FALL RASPBERRIES



# PURPLE RASPBERRIES

CORNELL UNIV CROSS BETWEEN BLACK RASPBERRY AND RED RASPBERRY IN THE 1970'S - THIS IS THE VARIETY ROYALTY



# BLACK RASPBERRIES

MUCH HIGHER HEALTH BENEFITS THAN BLUEBERRIES



# BLACKBERRIES

- ACCLIMATED TO VA
  - GREAT NEW THORNLESS VARIETIES
- OPTIONS FOR 4 SEASON HANDS ON MANAGEMENT ???
- NEW VARIETIES FOR FALL FRUITING 😊



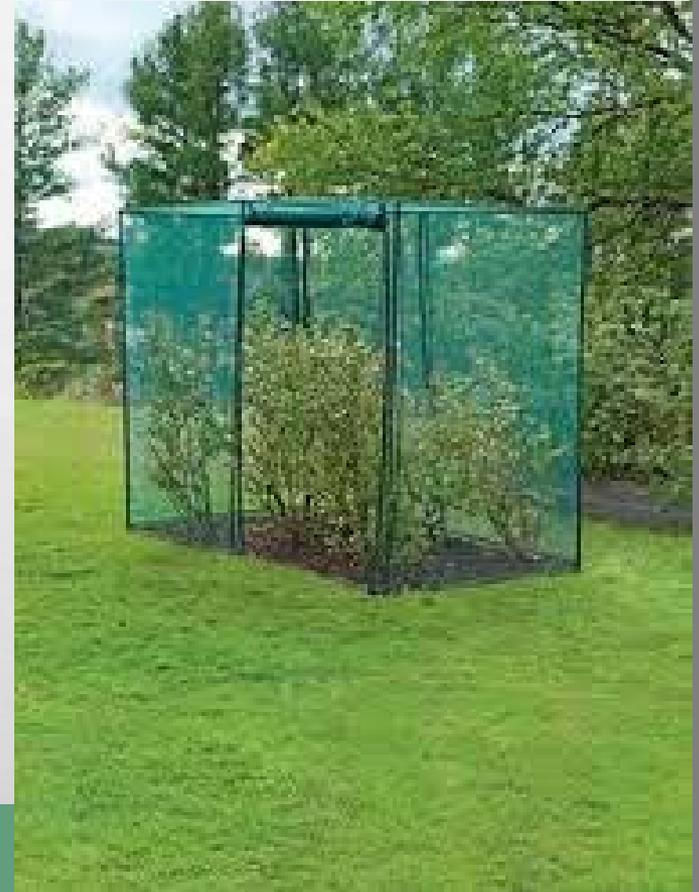
# BLUEBERRIES



- PH IS A VITAL FACTOR HERE
- MULCH IS CRITICAL
- PLANT A 1 GAL NURSERY PLANT



# BLUEBERRY PEST CONTROL?



# GRAPES



- FOR TIDEWATER, TRY MUSCADINES OR LIMITED PLANTINGS OF BUNCH GRAPES
- PREPARE FOR PEST ISSUES



# CURRANTS, GOOSEBERRIES & ELDERBERRIES



# COMMON PESTS

- "PEST" HAS A VERY BROAD SCOPE IN BERRY CROPS! PEST = ANY INFLUENCE THAT CAN AFFECT THE PLANTS LIFE CYCLE
- PEOPLE, DEER, BIRDS, SUN, FROST, RAIN, HAIL, WIND, DROUGHT, DUST, CORN BIN DRYER...FLOOD
- APPLY "CROP PROTECTANTS" (NOT PESTICIDES)



# PLANNING : LOCATION LOCATION LOCATION



- CONSIDER IPM : 3 M'S
- MINIMIZE
- MONITOR
- MANAGE

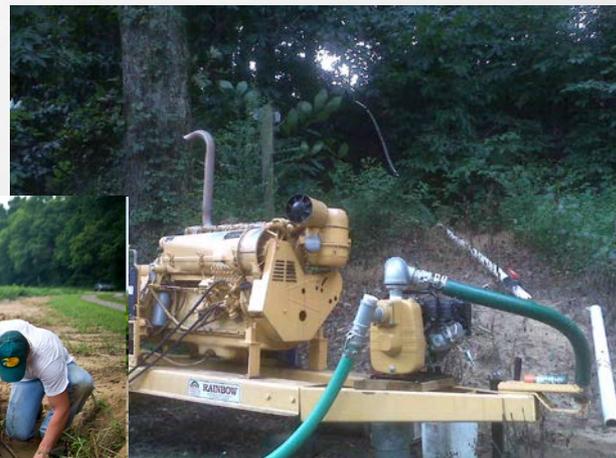


# Optimize your site when possible



Well Drained Soil is KEY

# Irrigation



# Weed management



2400 posts...18 miles of wire



# Ready for "Fall" Harvest

Picked from May 12 - December 1



# Pruning in Feb, May, & September...



# Hail Damage



# Mites



# Cane Borer



# Verticillium Wilt



# Cane Blight



# Up to 66 known caneberry viruses...



# Leaf Curl Virus ?



# Fall Lady Beetles



# SWD Spotted Wing Drosophila

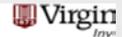
- New pest and now in most of US, including Virginia.
- Minimize with good sanitation
- Monitor with vinegar trap
- Manage with rotating pyrethrum insecticides



# Vole/Mole



# KEY RESOURCE : THE VIRGINIA FRUIT PAGE And [www.smallfruits.org](http://www.smallfruits.org)



## The Mid-Atlantic Regional Fruit Loop: The Virginia Fruit Page Extension, Research and Teaching in Fruit Crops

Fruit Production in the mid-Atlantic region has a long history, dating to Colonial times in Virginia with pomological and viticultural efforts by founders such as Thomas Jefferson and George Washington. Today, Virginia ranks approximately sixth in the nation for apple production (about 11,929 acres). There are about 1,770 acres of peach, 4,370 acres of grape, and about 425 acres of blueberry, 380 acres of caneberries and 290 acres of strawberry ([USDA 2012 census](#)).



For more detailed information, please click on the desired crop:



Here is a simple list of links to resources available in this fruit home page:

- [Virginia Tech Tree Fruit Extension and Outreach Web Site](#)
- [Virginia Tech Tree Fruit Extension and Outreach in Facebook](#)
- [Home Fruit Production](#)
- [Horticultural Practices](#)
- [Fruit IPM](#)
- [Honey Bees and Pollination](#)
- [Weather Information](#)
  - [National Climate Assessment](#) (May 2014 report)
- [Soil Testing](#)
- [Mid-Atlantic Land-Grant University Fruit Faculty](#)
- [Research Units](#)
- [Other Sources of Fruit Information](#)
- **New!** [Interested in Continuing Education?](#)

**MOST IMPORTANT  
RESOURCE**



# LEE REICH'S GARDEN PAGE

“A FARMDEN IS MORE THAN A GARDEN AND LESS THAN A FARM, A UNIQUE DISTINCTION. MY FARMDEN IS A TEST SITE FOR INNOVATIVE TECHNIQUES IN SOIL CARE, PRUNING, AND GROWING FRUITS AND VEGETABLES.”

The screenshot shows the 'About' page of Lee Reich's website. The header features the name 'Lee Reich' and a navigation menu with links for HOME, ABOUT, BLOG, LECTURES, WRITING, CONSULTING, BOOKS, WORKSHOPS, VIDEOS, and CONTACT. Social media icons for YouTube, Facebook, and RSS are also present.

**Lee Reich, PhD** is an avid farmdener (more than a gardener, less than a farmer) with graduate degrees in soil science and horticulture. After working in plant and soil research with the USDA and Cornell University, he shifted gears and turned to writing, lecturing, and consulting.

His books include: *A Northeast Gardener's Year*, *The Pruning Book*, *Weedless Gardening*, *Uncommon Fruits for Every Garden*, *Landscaping With Fruit*, and *Grow Fruit Naturally*. He writes regularly for a number of gardening magazines and his syndicated gardening column for Associated Press appears biweekly from coast to coast.

His farmden has been featured in such publications as the *New York Times* and *Martha Stewart Living*, has won awards from *National Gardening* and *Organic Gardening* magazines, and has been included in "Open Days" tours of the Garden Conservancy.

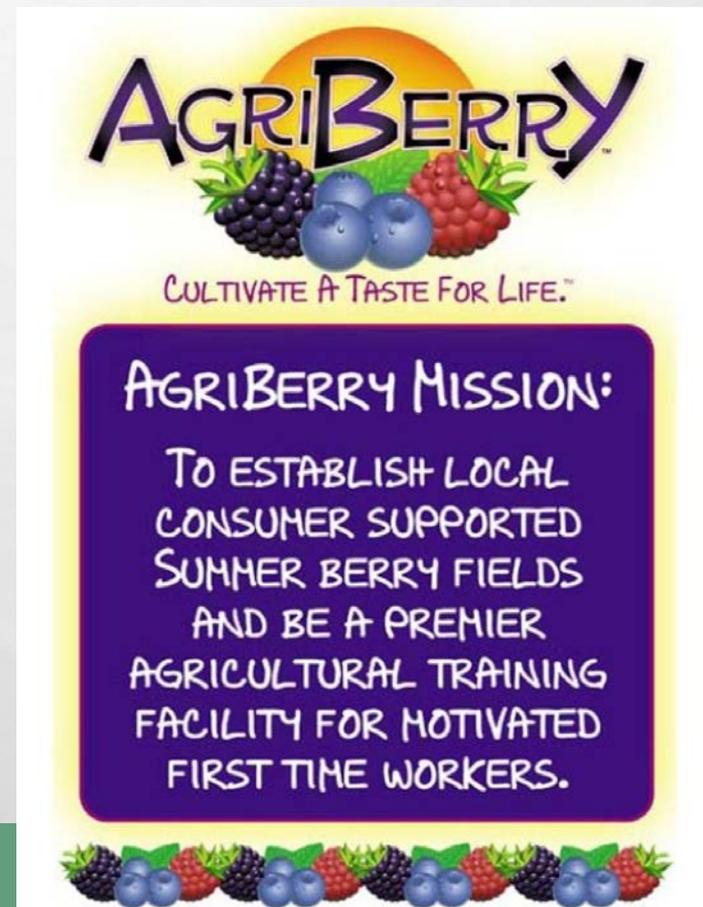
[Click here for a detailed résumé.](#)

Below the text are four small images: a tree with yellow autumn leaves, a snow-covered garden structure, a garden bed with green plants, and a basket of various fruits including apples and pears.

At the bottom of the page, there is a navigation bar with the same menu items as the top, and a mobile browser interface showing the URL [www.leereich.com/about-lee-reich](http://www.leereich.com/about-lee-reich).

# 2005...NBCI VISION TO TRIPLE BERRY CONSUMPTION BY 2020?

- WITHOUT LAND OR WEALTH -COULD I BE THE FIRST US BERRY FARM STARTED WITH A COMMUNITY SUPPORTED AGRICULTURE "CSA" MODEL?
- COULD I FUND A FIRST WORKER TRAINING PROGRAM AROUND SUMMER RASPBERRIES AND BLACKBERRIES?
- AWARE OF RICHMOND'S EMERGING LOCAVORE MARKET AND "FREE RESOURCES" FOR NEW BUSINESSES ...SBA, SCORE



# 20 WEEK AGRIBERRY CSA





Small fruit growing & marketing is what its all about for the Agriberry family farm!

