Agriculture can be found just about everywhere in our state. Many citrus groves and plant nurseries are in central and southern Florida. Cotton, poultry and field crops are in the northern regions. And don’t forget vegetables, cattle and calves. All of Florida farms combined generate over $100 billion dollars annually and employ over 750,000 people. They also provide food, jobs, recreational opportunities and much, much more for Floridians and their friends throughout the world.
Find out more about Florida agriculture in Florida Agriculture by the Numbers. Go to www.Florida-Agriculture.com, then click on the BROCHURES tab.

Florida Forests Forever
How much do you know about Florida trees?

I Wood if I Could
Can you identify common wood products?

Do you Know What Grows?
A guide to Florida horticulture.

Florida Agriculture Map
Features of our top agriculture regions.

How Many Veggies?
You need to eat fruit and vegetables every day, but how many?

Calling All Cows
Cows make more than just hamburger!
Can You Guess Where? Draw a line from each picture of these Florida commodities to the Florida county (or counties) where you think they are most likely grown or raised. Then check your answers on the big map on pages 18 and 19.

Florida farmers utilize **9.25 million** of the state’s nearly 35 million acres. That’s roughly one *fourth* of all the land!

- Lettuce
- Dairy Cattle
- Tomatoes
- Oranges
- Avocados-Mangoes
- Beef Cattle
- Oysters
- Peanuts
- Corn
- Race Horses

*Florida dairies produce over 2 billion pounds of milk!*  
*Yeah! and over 30 million gallons of ice cream!*
Florida's commercial farms are among the most productive in the world. These farms help provide the nation with a dependable and safe food supply. They also generate an economic base for the state.

Guess the number of farms in Florida!

10,000 - 20,000
20,000 - 30,000
30,000 - 40,000
40,000 - 50,000
50,000 - 60,000

(Answer at page bottom)

Top Commodities Include:

- **Fruits:** These include oranges, grapefruit, tangerines, strawberries and watermelon.
- **Greenhouse and nursery products:** These include flowers, shrubs, trees and house plants.
- **Vegetables:** These include snap beans, fresh market tomatoes, cucumbers for pickles, bell peppers and squash.

There are over 500,000 horses in Florida. Over 440,000 jobs come from activities with these horses. People are employed at horse races, horse shows, recreational activities and much, much more!

1978 Triple Crown winner “Affirmed.”

Florida produces红薯 and vegetables find their way into nearly every household in the United States.

Additionally, Florida trades its agriculture products with 100 nations around the world.

Ag-trivia

Which of the following is a Florida agricultural commodity?

A. Christmas tree
B. Tropical fish
C. Jackfruit
D. All of the above

(Answer on page 7)

Answer: D. All of the above

www.Florida-Agriculture.com
Can you be a successful farmer? A farm requires hard work, dedication and commitment to bring in a profit. Go through the maze of obstacles to find out if you can compete! (Answer in back of book.)

1. Pests destroy your crop! Start over.
2. The truck company that brings your crop to market goes on strike!
3. A hurricane floods your crop! Try again.
4. Your farm equipment breaks down and you can’t harvest your crops! Try again.
5. The wholesaler that usually buys your product goes out of business!
6. An unfair trade agreement makes you lose money!

Start: "Fresh from Florida" maze
Finish: "Fresh from Florida" maze

Cheerful Farm Scene: On Strike, Produce Buyers, Closed, Crack!
Seafood is a very important part of Florida’s heritage and economy. Seafood species are a good source of protein and are generally low in fat, sodium and calories. They are also widely known for the omega-3 fatty acids they contain, which are good for the heart and can reduce the risks of cardiovascular disease.

**Florida Seafood**

**Why do fish live in salt water?**

**Answer:** D. All of the Above

Christmas Tree, Tropical Fish, Jackfruit

**Hat did the Atlantic Ocean and the Pacific Ocean say when they met?**

**Answer:** Nothing they just waved
Do you know the name of these Florida seafood species? Write the number of the illustration next to the name that you think is correct. Then check your answers at the back of the book to see if you are a Seafood Identification Expert!
**Pine Hall**

Because of its abundant seed production, this fast-_________ tree has replaced the Longleaf Pine on large areas protected from ________. This tree and the Longleaf Pine are the two _________ that produce crude pine gum for naval stores products. But this tree is the better _________ producer. It promises excellent returns when planted and grown as a crop. The trunk is straight, clears itself easily of branches, and is crowned with numerous small branches forming a _______ -topped head.

**Florida Forests Forever!**

Florida’s forests shelter more than 100 species of animals including Threatened and Endangered species such as the Florida Panther, Black Bear and Red Cockaded Woodpecker.

**Ako Hewit**

This important _________ tree often reaches heights of 60 to 100 feet and a _________ of two to three feet. It can be found in good soils in the middle and _________ parts of Florida. The fruit is an acorn maturing the first year. The nut is three-quarters enclosed in the warty cap. It is relished by hogs and other _________. The uses include construction, ship-building, furniture implements, flooring and _________.

Learn more at the Florida Forest Discovery Center at the Florida State Fair in Tampa each February!
It is found in deep [scrambled] and is a tree of considerable beauty. The light, soft wood is easily worked and varies in [scrambled] from light sapwood to dark-brown. The [scrambled] is particularly [scrambled] in contact with the soil. It is suitable for exterior trim of buildings, greenhouse planking, boat and shipbuilding, [scrambled], posts, poles and crossties.

Nearly Half of Florida (16 Million Acres) is Covered by Trees!

Florida's forests improve our environment, provide material for more than 5000 different products, and help us enjoy lots of fun outdoor activities. It's important to take care of the forests to help balance the needs of society and the environment. Can you unscramble the names of these common Florida Trees and fill in the missing words in each paragraph?

This is the [scrambled] State Tree. It ranges from 50 feet to 80 feet in mature height. It grows in [scrambled] soil or hammocks over most of the southeastern [scrambled] region. The wood is light, soft, pale brown, containing numerous hard fibers or 'threads.' The [scrambled] are used for pilings and sawed into disks for ornamental table tops. Baskets, mats and hats are made from the [scrambled]. Brushes are made from the fibers in the sheaths of the young leaves and trunks.

Planting trees helps to reduce our carbon footprint. During photosynthesis, trees convert carbon dioxide and water into sugar molecules and oxygen. Much of the sugar is used to form cellulose which is stored in the tree.
Now It's Time to Play "I Wood If I Could"

Muffins

- Made from Trees
- NOT Made from Trees

Aspirin

- Made from Trees
- NOT Made from Trees

Citrus-Flavored Drink

- Made from Trees
- NOT Made from Trees

Where does the water in the sapwood come from? What part transports food from the leaves to the rest of the tree?

(A) Glue

- Made from Trees
- NOT Made from Trees

(B) Football Helmet

- Made from Trees
- NOT Made from Trees

(C) Chewing Gum

- Made from Trees
- NOT Made from Trees

Find out about Florida's 33 state forests at www.FloridaForestService.com. Click on State Forest Recreation Tab.
NOTE: you don’t have to use ALL the plants, just what you need to design your landscape!

**BEDDING PLANTS**

Likes shade or sun!

They can be used as ground covers and to line other bush, pathways and driveways. They can often grow where there is too much shade for grass to grow.

Likes shade!

Likes sun!

**SOME TREES**

Grow to be very large, 80 feet tall and more. They should be planted far enough away from structures such as houses and driveways so their roots and limbs don’t cause damage.

**SOME FLOWERS**

Are perennials. That means they will bloom at about the same time every year. Some flowers are annuals. That means they will bloom for one year or season.
What grows in your yard?
YOUR LAWN

is made of grass. It is also referred to as turf or sod. It needs to be raked of leaves, fertilized, mowed and watered to stay healthy.
(Cut the lawn grass into any shape you need to fit your design.)

BUSHES OR SHRUBS help prevent soil erosion. They also provide attractive foliage and flowers. Smaller bushes can grow under a window. Larger bushes should be grown where they will not get in people’s way.
Get your glue and scissors and let's get started!

Cut out the horticulture products on the other side and paste in your own landscape design on pages 14 and 15!

Turn the page and start designing your own yard!

Did You Know...

An average tree absorbs 26 pounds of carbon dioxide from the air each year and releases enough oxygen each day to supply a family of four.
Do you know what grows in your neighborhood?

Florida horticulture products are everywhere, because people love to plant flowers, shrubs and trees in their yards!

In fact:

More than three out of four American households participate in some gardening activity and that is good for our environment!

Trees, shrubs, lawns and groundcovers trap and filter dust and other pollutants out of rainwater. Plants benefit from the nutrients they contain and prevent them from becoming a source of water pollution.

What kind of flowers do you give to King Tut?

Thanks! They're lovely.

If April showers bring May flowers, what do May flowers bring?

Pilgrims.

Chrysanthemum
We all know that furniture, houses, musical instruments and many other every day products are made from trees. But, can you guess which of the following products are made from trees? Choose your answer by checking, circling or filling in the box to the left of your answer. Then check your answers in the back of the book!

**Cellulose Tape**
- Made from Trees
- NOT Made from Trees

**Clothing**
- Made from Trees
- NOT Made from Trees

**Crayons**
- Made from Trees
- NOT Made from Trees

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**A** What tree part transports water to all parts of the tree? **B** What part makes food for the trees (photosynthesis)?

- **A** Sapwood
- **B** Leaves

---

Each American uses an equivalent of a 100-foot tree each year.
Gardening is good for you!
You can burn as many calories in 45 minutes of gardening as in 30 minutes of aerobics. One hour of weeding burns 300 calories!

...and it's good for your parent's bank account!
Landscaping can add as much as 14% to property resale value.

Landscaping with woody plants along stream banks and shorelines can reduce soil erosion, filter pollutants, and reduce downstream flooding.

Hey kids! Now you can plant your own trees, flowers and shrubs!
Cut out the horticulture products on the other side and paste in your own landscape design on pages 14 and 15!

Turn the page and start designing your own yard!
1. Name a county that has a dairy: ____________

2. Most of the horses are in ____________ county?
Top Florida Fruit and Vegetable Commodities Include:
Oranges, Tomatoes, Peppers, Grapefruit, Snap Beans, Strawberries, Potatoes, Sweet Corn, Cucumbers, Watermelon, Tangerines, Squash, Blueberries, and Avocados

How Many Veggies?

It’s a good thing that Florida farmers grow lots of fruits and vegetables because you need quite a few over your lifetime!

Do you know how many you should eat EVERY DAY?

1. Little kids (ages 2 to 6) should eat a minimum of 5 servings!
2. Older kids, teen girls, and active women should eat at least 7 servings!
3. Teenage boys and active men should eat at least 9 servings!

But..!

How do you know HOW MUCH is in a serving? Each of the following represents ONE cup!

1. 1 small glass of orange juice, tomato juice or apple juice
2. 1 whole fruit or vegetable (an orange, an ear of corn or a tomato)
3. 2 cups of salad greens
4. 1 cup of cooked vegetables
5. ½ cup of dried fruit
6. 1 cup of cooked beans or peas
7. 1 cup of cut-up fruit or vegetables
Can You Measure Up?

How many cups are contained in the following? Write down your best answer, then turn to the answers at the back of the book to find out if you are correct!

1. 2 whole oranges =

2. Janet ate a salad that had 1 cup of salad greens, 1/4 cup of sliced cucumbers and 1/4 cup of tomatoes. How many cups did Janet eat?

3. 3 cups of salad greens =

4. Sarah made smoothies for herself and two friends. Each smoothie contains 2 bananas, 1 1/2 cups of strawberries, 1 cup of yogurt and 1 orange. How many cups will each person get?

5. Last night for dinner Bill ate 4 ounces of chicken, 1/2 cup of green beans, a carrot salad with 1/2 cup of carrots and 1/4 cup of raisins, one slice of bread and a 6-ounce glass of orange juice. How many cups of fruit and vegetables did Bill get?

And Then There’s The One About...

Do you know who the father of all bad jokes is?

Popcorn!

Florida Farmers
Grow enough sweet corn for every person in Florida to have an ear about once a:

A. Decade
B. Year
C. Month
D. Week

(A answers in back of book.)

Ag-trivia
Which Florida agricultural cash crop is highest in sales?

A. Honey
B. Horticulture products
C. Strawberries
D. Watermelon

(Answer in back of book.)
A 3-ounce serving of lean beef (about the size of a deck of cards) is an excellent source of five nutrients (protein, zinc, vitamin B12, selenium and phosphorus), and a good source of four nutrients (niacin, vitamin B6, iron and riboflavin), all while contributing less than 10 percent of calories to a 2,000 calorie diet.

Older children and teenagers should eat between 5 and 7 ounces of meat and beans each day!
Everyone knows that cows provide milk and beef in the form of hamburgers, steaks and other beef products. But did you know that cows provide other products that people use routinely? These are called beef-by-products, and include anything made from a beef animal that is not beef. See if you can match the products below to the correct part of the cow!

**Basketballs**
- Bones, horns, hooves and gelatin
- Hide and Hair
- Fatty Acids

**Mayonnaise**
- Bones, horns, hooves and gelatin
- Hide and Hair
- Fatty Acids

**Insecticides**
- Bones, horns, hooves and gelatin
- Hide and Hair
- Fatty Acids

**Pet food**
- Bones, horns, hooves and gelatin
- Hide and Hair
- Fatty Acids

**Band aids**
- Bones, horns, hooves and gelatin
- Hide and Hair
- Fatty Acids

**Fine China**
- Bones, horns, hooves and gelatin
- Hide and Hair
- Fatty Acids

---

**Who first introduced cattle to Florida?**

- A. Ponce De Leon
- B. Christopher Columbus
- C. Henry Ford
- D. Vasco De Gama

**Tips for building strong bones**

Eat a nutrient-rich diet that includes three servings of low-fat or fat-free milk, yogurt or reduced-fat cheese each day. What’s a serving of dairy?

- **Milk**: 8 ounces (1 cup)
- **Natural Cheese**: 1.5 ounces or about 3-4 cheese cubes
- **Yogurt**: One 6- to 8-ounce container

---

**What kind of milk comes from a forgetful cow?**

Milk of Amnesia.
**Puzzle Answers**

**Missing Words in order:**
- fast- **growing** tree
- protected from **fire**
- are the two **pines**
- better **gum** producer
- forming a **round** topped head

**Fresh from Florida Maze**

Answer: **Pine**

**Missing Words in order:**
- this important **timber** tree
- and a **diameter** of two to three feet
- and **western** parts of Florida
- hogs and other **livestock**
- flooring and **fuel**

**White Oak**

Answer: **Oak**

**Missing Words in order:**
- in deep **swamps**
- varies in **color**
- the **heartwood** is particularly **durable**
- shipbuilding, **shingles**, posts,

**Bald Cypress**

Answer: **Cypress**

**Missing Words in order:**
- is the **Florida** State Tree
- grows in **sandy** soil
- southeastern **coastal** region
- the **trunks** are used for pilings
- hats are made from the **fronds**

**Cabbage Palm**

Answer: **Palm**

**Missing Words in order:**
- **OK, so who did first introduce cattle to Florida?**
- first introduce cattle to Florida? **Ponce De Leon**
- Betcha didn’t know that!
- Sure did!

Answer: **Ponce De Leon**
Answers to page 7: “Florida Seafood”

**Find the Words!**

Bass  Clam  Crab  Grouper  Lobster  Mahi  Oyster  Shark  Shrimp  Snapper  Tuna

Answers to pages 8 - 9: “Find the Fish”

**Here’s the answers!**

Red Snapper 14  Swordfish 23  King Mackerel 8  Mahi-Mahi 9  Clams 7  American Alligator 1

Amberjack 2  Spanish Mackerel 4  Shrimp 18  Bluefish 5  Catfish 24  Tilapia 26

Rock Shrimp 15  Mullet 10  Cannonball Jellyfish 6  Spiny Lobster 20  Yellow Fin Tuna 26  Tilapia 24  Scallops 16  Spanish Mackerel 19

Blue Crab 3  Red Grouper 13  Shrimp 18  Striped Bass 22  Amberjack 2  King Mackerel 15  Rock Shrimp 15  Red Snapper 20  Tilefish 25

American Alligator 1  Oysters 11

More puzzle answers are on the next page!
Answers to pages 12 - 13:
"I Wood if I Could"

Actually, **ALL** of these products are made from Trees!

**Muffins and other baked products** are made using **torula yeast**, a wood product. It is also used in pet food and baby food.

**Aspirin** comes from the bark of the willow tree.

**Orange or Citrus Flavored Drinks** contain **glycerol ester** of the wood rosin, a by-product of chemical pulping.

**Glue and other adhesives** are made from the turpentine, tall oil, and resins in trees.

**Football Helmets** are made with cellulose.

**Chewing Gum** consists of a base from **latexes** derived from tropical trees and resins from North American pines.

**Cellophane Tape** is made from **wood sugars**.

**Clothing** can contain **rayon** which is a purified **cellulose** product.

**Crayons** are made from **wood resin**.

**Toothpaste** contains **cellulose gum** derived from wood.

**Ice cream** is made with cellulose.

**Shaving Cream** contains **terpenes**, a chemical that provides scent. Terpenes can be used in **soaps and perfumes** also.

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Answers to page 21:
"Can you Measure Up?"

1. 2 cups
2. 1 cup
3. 1 and 1/2 cups
4. 4 and 1/2 cups
5. 2 and 1/2 cups

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Answers to page 17:
"Do You Know What GROWS?"

1. **I** shrub
2. **C** annual
3. **A** fertilizer
4. **L** herb
5. **H** bedding plant
6. **B** deciduous
7. **D** turf
8. **G** perennial
9. **E** species
10. **F** native
FLORIDA FARMERS
Grow enough sweet corn for every person in Florida to have an ear about once a: **d** week

These common **beef-by-products** come from what part of the Cow?

- **Photographic film**: Bones, horns, hooves and gelatin
- **Insulation**: Hide and hair
- **Automobiles**: Hide and hair
- **Shampoo**: Fatty acids
- **Combs**: Bones, horns, hooves and gelatin
- **Candles**: Fatty acids
- **Basketballs**: Hide and Hair
- **Mayonnaise**: Bones, horns, hooves and gelatin
- **Insecticides**: Fatty acids
- **Pet food**: Bones, horns, hooves and gelatin
- **Band aids**: Hide and Hair
- **Fine china**: Bones, horns, hooves and gelatin

Answers to map questions on pages 18-19:
- Florida Agriculture at a Glance.
- 1. Large dairies are in Okeechobee, Suwannee and Lafayette Counties.
- 2. Most of Florida’s horses are in Marion County.
- 3. Field crops are grown in the northern part of the state.
- 4. Mangos are grown in Miami-Dade and Lee Counties.