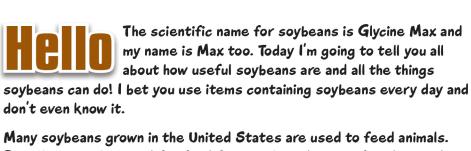


Activities & Information about the Wonder Bean



But, they are also used for food for people and can be found in products

ranging from soap and crayons to artificial turf and the foam in car seats.

Soybeans have been around for a long time. They originated in China and were first planted over 3,000 years ago.

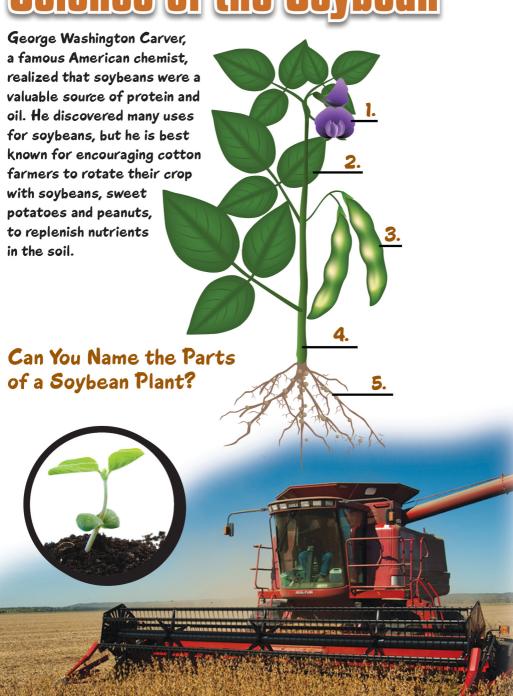
Soybeans in the U.S. date back to 1765, but gained popularity in the 1870s when farmers began using them to feed their animals.

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Farmers in North Carolina began planting them because they grew well in the hot, humid conditions here. The first soybeans to be crushed commercially to separate the meal from the oil were at a mill in Elizabeth City, N.C. soybeans grown in North Carolina than any other

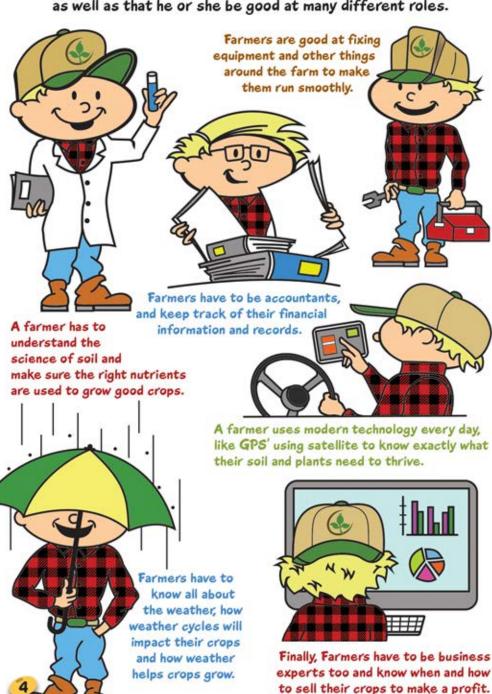
crop.

Science of the Soybean



Who Knew Farmers Did All This?

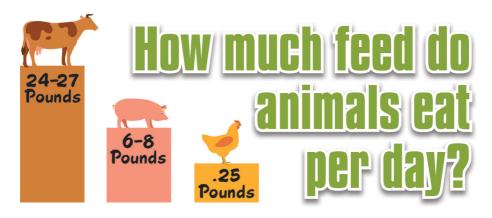
A farmer's job is complex and requires a lot of hard work, as well as that he or she be good at many different roles.



Soy provides food for animals



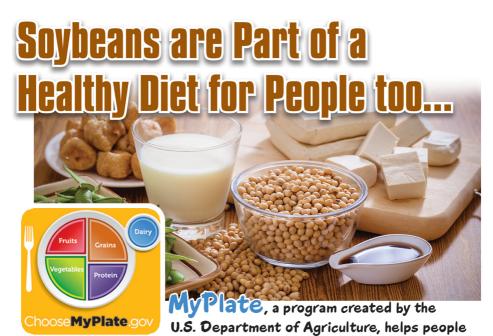
Soybeans are a major source of protein, so they're used in animal feed for cattle, chickens, pigs, horses and fish.





#2 in hog production
#2 in turkey production
#3 in chicken production
#3 in egg production

North Carolina is one of the top animal agriculture states in the country.



learn to make healthy food choices by making sure they choose the right balance of items from the five food groups. MyPlate includes soyfoods in several categories including vegetables, protein and dairy.

Soy is a complete protein, like meat, and contains essential amino acids that give your body the fuel it needs everyday and helps it perform important bodily functions. Soybean oil is healthier than some other oils and was designated as heart healthy by the Food and Drug Administration, the organization that oversees food safety in the U.S.



Things we use everyday are by-products of soybeans...

- · Soaps
- · Soy lip balm
- Cleaning products
- Detergents
- Cosmetics



Soy can even be found in crayons?

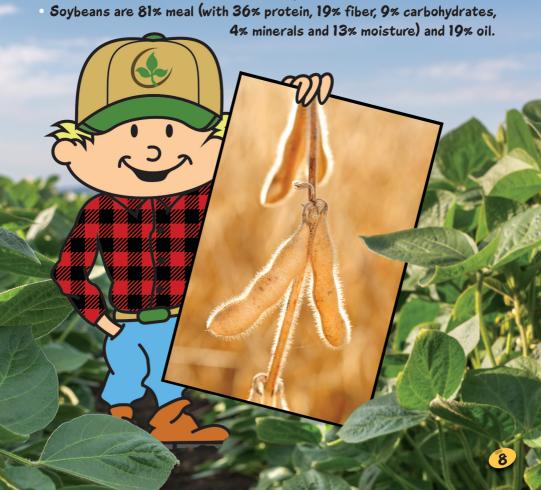
In 1993 two college students found a way to make crayons from soy wax instead of paraffin which comes from coal, shale or oil, from which they are traditionally made. This means that unlike other crayons they are biodegradable and can be broken down into natural materials that are not harmful to the environment when you're finished using them!

Did you know soybeans are also in...



All About Soy

- · More acres are grown of soybeans in North Carolina than any other crop
- North Carolina was the first state to grow soybeans on a large scale and to crush soybeans
- · Soybeans are planted in the spring
- It takes five or six months for soybeans planted in North Carolina to be harvested
- In a typical year there are at least 1.6 million acres of soybeans planted in North Carolina
- · One bushel of soybeans = 60 pounds
- · The average person consumes up to seven gallons of soybean oil each year
- The average farmer in the U.S. feeds over 150 people
- North Carolina has more than 8,000 soybean farmers



Fun with Soy

See if you can answer the following questions. Just choose True or False.

Soybean oil can be found as vegetable oil in the grocery store.

TRUE or FALSE

Unlike fossil fuels, soybeans are a renewable energy source. TRUE or FALSE More soybeans
are grown in
the United States
than any
other country.
TRUE or FALSE



N J N R F 2 T N R R P E U F K S M T R F A D X G S E B R C F 2 0 M G P P 0 A 0 0 N R 2 K E E S N S P D T M E R S B T U S T N A L E 0 S R F T P 0 N S K U E L E

BIODIESEL
COMBINE
CRAYONS
LEGUMES
LIVESTOCK
NITROGEN
NUTRIENTS
PROTEIN
RESTORE
SOYBEAN
SOYMILK
SUSTAINABLE



The soybean crop is planted from April to July and harvested from September to November.

From there, the beans are transported by truck, rail or barge to a crushing plant where they will be crushed and processed into

oil and meal.

Beans are around 81% meal and 19% oil, which are used in different ways to make products from soybeans.



The oil extracted from soybeans will find its way into many common products from vegetable oil to artificial turf.

The meal is mostly used for animal feed and can be produced with different amounts of protein to meet the animal's needs.

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Farmers deliver the soybeans to a grain elevator by truck, where they are checked for quality and weight, then dried and cleaned before being transported further.

10,000 copies of this public document were printed at a cost of \$3,394.02 or \$0.33 per copy. Soy ink and paper provided by N.C. Soybean Producers Association.

Strawberry Smoothie

What will you need?

1/2 cup frozen strawberries,
thawed, including juice
2 Tablespoons vanilla soymilk
2 Tablespoons water
1/2 cup crushed ice
For added protein:

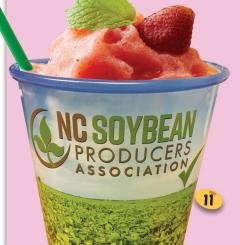
2 Tablespoons powdered soy protein isolate

How to make it:

Thoroughly mix thawed strawberries, soymilk (or powdered soy protein isolate) and water in blender.
Add crushed ice and blend until smooth.
Serve in a 12-ounce glass.
Makes 1 serving.

NUTRITIONAL ANALYSIS PER SERVING:

62 calories, 9 gm protein, 7 gm carbohydrates, 0.4 gm fat, o mg cholesterol, 113 mg sodium, 1.2 gm dietary fiber.



Proudly serving the soybean farmers in North Carolina.





NC SOYBEAN PRODUCERS ASSOCIATION 211 East Six Forks Road, Suite 102 Raleigh, North Carolina 27609 www.ncsoy.org

Interested in having the N.C. Soybean Producers Association speak to your group about soybeans?

Contact us at 919-839-5700