

Soybean Ag Mag - Vocabulary

Directions: Read each item. Choose the word that would best complete the sentence.

1

The main root of a plant that grows from the radicle is the _____.

- A Taproot
- B Radicle
- C Lateral Root
- D Embryo

2

The _____ is the outside cover that protects the seed.

- A Hilum
- B Embryo
- C Seed Coat
- D Trifoliate

3

The brown spot on a soybean is called the _____.

- A Embryo
- B Radicle
- C Cotyledon
- D Hilum

4

The _____ is a little tail-like root growing from the seed.

- A Radicle
- B Embryo
- C Cotyledon
- D Hilum

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Directions: Read each item. Choose the word that best fits in the blank.

5

Leaves that grow in groups of 3 like on the soybean are called _____.

- A Taproots
- B Lateral Roots
- C Cotyledons
- D Trifoliate

6

The part of a seed that stores food is the _____.

- A Embryo
- B Cotyledon
- C Radicle
- D Hilum

7

The _____ is the part of a seed that develops into a new plant.

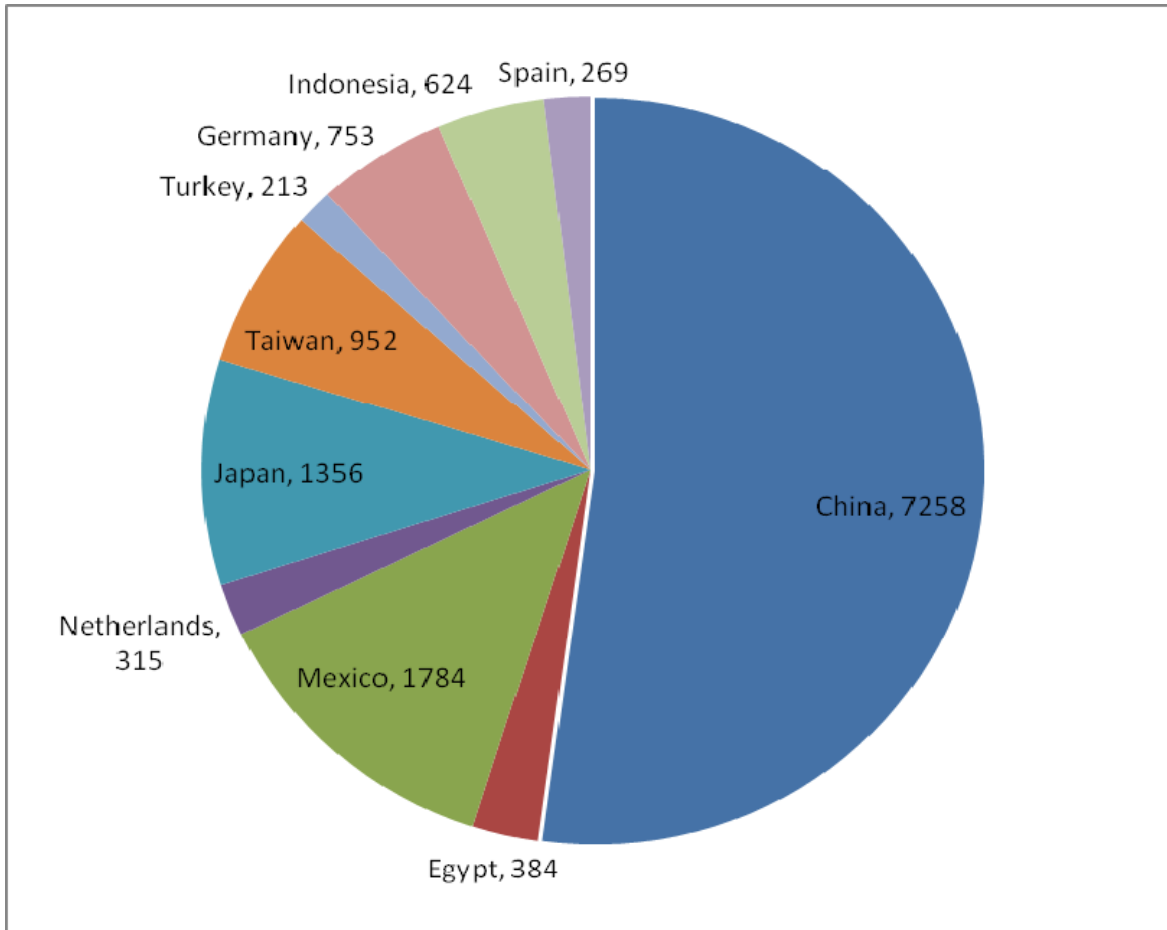
- A Radicle
- B Embryo
- C Cotyledon
- D Seed Coat

8

Small roots that branch from the taproot are called _____.

- A Trifoliate
- B Hilum
- C Lateral Roots
- D Radicles

Soybean Ag Mag - Math - Reading Charts



Top 10 U.S. Soybean Export Customers (Millions of dollars)

Directions: Choose the best answer.

1

Which country spent the most amount of money on soybean exports from the U.S. in 2008?

- A Turkey
- B Egypt
- C China
- D Japan

2

How much did Egypt, Taiwan, and Mexico spend on soybean exports from the U.S. in 2008?

- A \$3120 million
- B \$1761 million
- C \$797 million
- D \$2426 million

Soybean Ag Mag - Math - Reading Charts

Directions: Choose the best answer.

3

How much money total did the U.S. make from the top 10 soybean export customers in 2008?

- A \$13708 million
- B \$13908 million
- C \$14608 million
- D \$15708 million

4

How much did China, Japan, and Germany spend on U.S. soybean exports in 2008.

- A \$9123 million
- B \$8632 million
- C \$10398 million
- D \$9367 million

5

Which country spent closest to \$1000 million without going over?

- A Japan
- B Germany
- C Taiwan
- D Turkey

6

Which country spent close to twice the amount of Egypt?

- A Spain
- B Germany
- C Turkey
- D Netherlands

Soybean Ag Mag - Reading Passage

The Super Soybean By Raymond Bial

In 1904, George Washington Carver began studying soybeans at the Tuskegee Institute in Alabama. Although he is best known for his work with peanuts, Carver discovered a method of extracting soybean oil and found many ways to use it. He later invented a process for making paints and stains from soybeans. Most importantly, he encouraged farmers in the South to plant soybeans, along with peanuts and other legumes, to help keep the soil fertile so that cotton and other important crops could be successful.

Most farmers ignored soybeans, but that was about to change. In 1907, William J. “Bill” Morse joined the United States Department of Agriculture, where he studied soybeans as an assistant to Dr. Charles V. Piper. Morse devoted his life to studying soybeans. He was a founder of the American Soybean Association. He wrote more than eighty publications about soybeans, including *The Soybean*, published in 1923, written together with Charles Piper.

At this time, there were about twenty different varieties of soybeans in the United States. From August 1924 through December 1926, Palemon Howard (P.H.) Dorsett collected soybeans in China and sent back fifteen hundred different varieties. In 1929, Morse traveled on, in northeast China and Korea. From this expedition about forty-five varieties of soybeans were sent back to the United States

1

After reading the title, what should you expect to learn from the selection?

- A About a plant with super powers.
- B A giant soybean.
- C A soybean with healing powers.
- D Why the soybean is super.

2

Palemon Howard Dorsett was the only scientist to research soybeans and send them back to the U. S.

- A True
- B False

Soybean Ag Mag - Reading Passage

Directions: Read each question and choose the best answer.

3

Why did Washington-Carver encourage farmers in the South to plant soybeans?

- A To help them get rich.
- B To help keep the soil fertile.
- C To replace cotton.
- D So Carver could study soybeans.

4

This story is mostly about _____.

- A How a soybean grows.
- B Who invented the soybeans.
- C Early researchers of soybeans.
- D Products made from soybeans.

5

Which of the following researchers devoted his life to studying soybeans?

- A George Washington Carver
- B Dr. Charles Piper
- C William J. "Bill" Morse
- D Palemon Howard Dorsett

6

Which of these did the author use in this story?

- A Narrative
- B Humor
- C Rhyme
- D Flashback

Extended Response

Soybeans have many different uses in today's society. Explain how the use of soybeans has evolved since Carver studied them. Be sure to include your own experiences along with information from the reading.