



Copy questions on a half sheet. Print answers on the back of the paper. Show students a soybean plant and ask them what it is, how it is raised, and what it is used for. If you have clickers, answer using them.

***Soybeans: Myth or Fact- soybean production and products (use with clickers if available)***

1. The soybean, also known as the soya bean, is a legume native to East Asia.
2. During the Civil War, soybeans were used in place of coffee because real coffee was scarce.
3. One acre of soybeans can produce 32,650 crayons.
4. Soy ink is used in about 45 percent of America's daily newspapers that circulate more than fifteen hundred copies per run.
5. US farmers first grew soybeans as cattle feed.
6. Forty gallons of soy-diesel can be produced from one acre of soybeans (about 35 bushels).
7. Soymilk is a soy food that contains soy proteins that help reduce cholesterol levels and prevent heart disease.
8. The *Shedd Aquarium* in Chicago was the first building in Illinois to install a soy-based roof.
9. Using 12% soy flour and 88% all purpose flour instead of 100% all purpose flour increases the protein content by 25%.
10. Soybeans are called the "Cow of China" because it is an excellent source of potassium.
11. 90% of the biodiesel currently produced in the United States is soy biodiesel.
12. In 2010 Ohio ranked 4th in soybean production among U.S. states.

**Answer Key:**

- |  |                       |
|--|-----------------------|
| 1. True  | 5. True               |
| 2. True  | 6. False - 50 gallons |
| 3. False - One acre of soybeans can produce 82,368 crayons.  | 7. True               |
| 4. False - Soy ink is used in over 95 percent of America's daily newspapers that circulate more than fifteen hundred copies per run. | 8. True               |
|  | 9. False - 40%        |
|  | 10. False - calcium   |
|  | 11. True              |
|  | 12. False - 6th       |

**Sources:**

Oklahoma 4-H <http://oklahoma4h.okstate.edu/aitc/lessons/extras/facts/soybean.html>

National Soybean Research Lab <http://www.nsrل.uіuc.edu/aboutsoy/question.html>

Ohio Soybean Association

[http://www.soyohio.org/aws/OHSOY/pt/sp/osa\\_industryoverview](http://www.soyohio.org/aws/OHSOY/pt/sp/osa_industryoverview)