

Bioeconomy and Soybeans: Investigating challenges and exploring solutions

How are soybeans grown?

You will be reading: *Soja y su modo de producción (Soy and its method of production)*. You will read it multiple times both individually and in groups.

Read one section of the article as assigned by your teacher.

1. First reading: During the first read through, individual students will read the section that their group has been assigned. During the first reading, you may not use dictionary resources but should rely on interpretive reading strategies such as previous knowledge, context clues, and cognates to help you comprehend as much of the reading as possible.

2. Second reading: Read through the section a second time together as a group. You may use dictionary resources (paper and/or online dictionaries) in Spanish to build comprehension. You will be sharing your vocabulary lists, or other products at the end of the reading time.

3. Third reading: As you read this final time, complete the following...

Identify and list biological facts about soy

Identify and list reasons soy is an important crop for bioeconomic purposes

Identify and list ecological and social problems and issues surrounding the cultivation of soy

4. Class Discussion: Using markers or chalk (preferably of varying colors), write 3 categories on the board: Datos de Soja (Facts about Soy), Importancia de Soja (Importance of Soy), and Desafíos Ecológicos y Sociales (Ecological and Social Challenges of Soy). Contribute words from the homework and in-class activity until all three categories are filled with findings from the reading.

Datos de Soja

Importancia de Soja

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Desafíos Ecológicos y Sociales

5. Framing the Problem: Research in greater detail some of the challenges surrounding soy cultivation. Record your answers to the following research questions and to be prepared to share your findings with the class.

Visit the Grow Next Gen website ([elearning.grownextgen.org-Soy Protein and World Hunger](http://elearning.grownextgen.org-Soy-Protein-and-World-Hunger)) to explore the problem of world hunger, the global food supply and the ways in which soy cultivation currently seeks to mitigate the problem of affordable insufficient protein supplies. Website address:

http://elearning.grownextgen.org/ilias.php?baseClass=ilSAHSPresentationGUI&ref_id=117

Visit the World Initiative for Soy and Human Health website (<http://www.wishh.org/>). Look at Success Stories in Central America.

Answer the following questions:

¿Cuáles son los problemas globales que el cultivo de la soja quiere abordar? (What is/are the global problems that soy cultivation seeks to address?)

□ Answer:

¿Cuáles son los problemas de cultivo que afectan la capacidad de los granjeros para aumentar el rendimiento de soja? (What kinds of cultivation problems do soybean farmers face as they seek to increase yield?)

□ Answer:

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