

## Growing More Food

# Soybean production: No-till and Pesticides

### Materials

Soybean Production Presentation: [https://prezi.com/piroxfi-f8em/soybean-production/?utm\\_campaign=share&utm\\_medium=copy](https://prezi.com/piroxfi-f8em/soybean-production/?utm_campaign=share&utm_medium=copy)

KWL chart

soybean seeds

1. Watch “Soybean Production Presentation”
2. Draw or write the steps of soybean production.
3. What do you know about soybeans? Use the KWL chart on the next page.  
Answer the following questions in the K column, if you do not know an answer, list the question(s) in the W column.

Look at the seeds that your teacher has provided:

What are these seeds?

Are these plants/seeds good and important? Why?

How do you know?

Where have you seen these plants?

What are these plants used for?

Where do you use them?

What kinds of problems might this crop have while growing in the field?

What can be done to solve these problems?

Of these problems and solutions, which can farmers and scientists control, and which can they not control?

Watch these video clips about no-till farming and fill out the L column of the KWL chart with info you learn by watching and add questions you still have in the W column.

Soy Health and Productivity <https://www.youtube.com/watch?v=RMPbs95lxw4>

Conservation Tillage Methods Offer Protection from Record Heat and Drought

<https://www.youtube.com/watch?v=RZf6Fs9L8UU>

No-Till Farming [https://www.youtube.com/watch?v=OqU0k\\_m6qAo](https://www.youtube.com/watch?v=OqU0k_m6qAo)

Discuss the pros and cons of various forms of farming and the use of pesticides.

Create a poster using edu.glogster.com or a poster board on a topic related to no-till or pesticide use. These are some possible topics:

Soil erosion

Soil structure

Cover crops

Soil nutrients

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<b>K</b> What I already <b>know</b>	<b>W</b> What I <b>want</b> to know	<b>L</b> What I have <b>learned</b>