

LEARNING STATION No. 2

Soybean production

Group: _____

Soybean cultivation

1. Complete the table below indicating the (approximate) conditions for soybean cultivation.

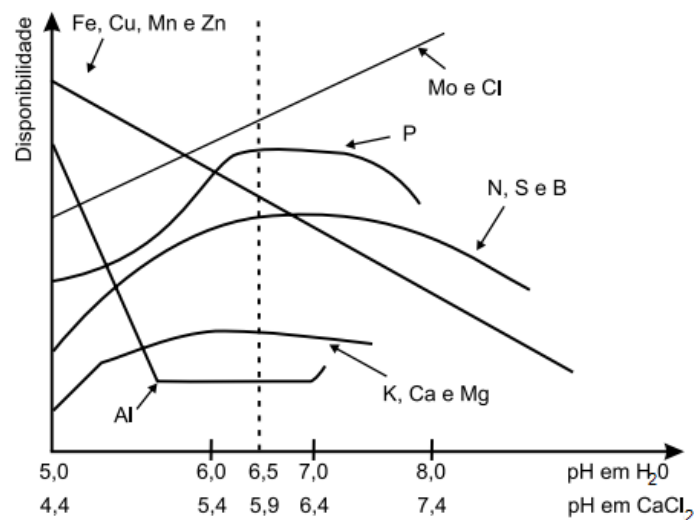
Table 1 - Conditions for soybean cultivation

Element	Variation
Soil pH	
Temperature	
Photoperiod	

Source:

2. What is crop rotation and why is it used?
3. The availability of nutrients to the plant is determined, among other factors, by soil pH. This can be explained by the variation in the availability of chemical compounds and elements according to their respective solubilities, as can be seen in Figure 1.

Figure 1 - Relationship between nutrient availability and pH



Source: Malavolta (1980 apud Embrapa, 2013, p. 70)



Based on Figure 1 and also considering that soils in Brazil are mostly acidic, answer:

4. What technique can be used to correct soil acidity?
5. What are fertilizers? Explain your need for them using Figure 1 as an example.
6. Is Brazil self-sufficient in the production of fertilizers? Which are the main exporting countries?

Soybean agroindustrial production

7. Briefly describe the soybean processing steps, presenting its products and byproducts. If you prefer, make drawings and/or diagrams.
8. Considering a kilo of soybeans, what is the yield of the main products?
9. The products can be used as raw materials in different industrial sectors. Give some examples.

References¹

EMBRAPA. Technologies of soybean production - Central Region of Brazil 2014. Londrina: Embrapa Soja, 2013. Available at:
<https://ainfo.cnptia.embrapa.br/digital/bitstream/item/95489/1/SP-16-online.pdf>.
Accessed on: 10 mar. 2022.

¹ Insert the references used, according to the ABNT norms.