

Soy Protein and World Hunger

What can be done?

1. World Hunger is the issue. Who is addressing it and how? WISHH is one organization that is trying to address this problem. Visit wishh.org/what-we-do/origins-mission-vision/ to find out what they do. What is the mission of WISHH?

WISHH develops agricultural value chains in emerging markets, creating trade and long-term demand for U.S. soy.

2. Go to wishh.org/soy-resources/soycows-vitagoats/ to see how they do it. Explain the difference between a vitagoat and a soycow.

A “SoyCow” is a processing system that can grind and cook whole soybeans into soymilk, from which beverages, soya “cheese” (tofu), yogurt and other soy foods can be made. The SoyCow can process 4 pounds of raw soybeans into 4 gallons of nutritious soymilk in about 20 minutes.

The VitaGoat is a food processing system that can be used to create value-added products from cereals, grains, nuts, fruits and vegetables, enabling local groups to increase food security, improve health and create micro-businesses and employment. Primary foods can be processed into flours, pastes or wet slurries and used “as is” or further cooked with steam, as for soymilk and its various derivatives. Cooked foods can also be used “as is” or pressed in a manual filter press to make juices and energy-dense beverages. The key feature of the VitaGoat is that it can make all of these foods without the need for electricity; grinding is provided through “pedal power” while cooking energy is provided via an innovative and fuel-efficient steam boiler.

3. Watch [this video \(youtube.com/watch?v=3JJ3I9Hs_r4\)](https://www.youtube.com/watch?v=3JJ3I9Hs_r4) to see a VitaGoat and projects that have been successful, then watch [this video \(youtube.com/watch?v=Cnqto78PHzg\)](https://www.youtube.com/watch?v=Cnqto78PHzg) to see how a soy cow works. You work for a non-governmental organization. You have been tasked with choosing one country to provide either a soy cow or a vitagoat. Below is the list of the top 16 countries suffering from malnutrition and hunger.

- Angola
- Burundi
- Central Africa
- Chad
- Democratic Republic of Congo
- Equatorial Guinea
- Eritrea
- Ethiopia
- Kenya
- Mali
- Niger
- Sierra Leone
- Somalia
- South Sudan

Look up information about the country of your choice: their capital, their population, jobs, standard of living and where they live (cities, villages, etc). Use sources such as: [CIA World Factbook \(cia.gov/library/publications/the-world-factbook/\)](https://www.cia.gov/library/publications/the-world-factbook/), [FAO stats \(fao.org/statistics/en/\)](https://www.fao.org/statistics/en/) or other reliable sources (United Nations, etc—not Wikipedia),

Which would you recommend for your chosen country to get: a vitagoat or a soy cow? Explain your reasoning.

Answers will vary.