

# WebQuest: The Growing Challenge in Senegal

Team Members:

## Step 1: Farming challenges in Senegal

Watch the video *The Growing Challenge in Senegal*. As you watch, list at least three challenges facing farmers in Senegal.

1.
2.
3.
Others

## Step 2: Crop and soil information

**Baleeri** is the local name of soil that is heavy and able to hold water.

**Kenyeri** is the local name of lighter soil that holds less water.

The table below shows the preferred soil type for each crop. It also shows how each crop you grow is used (as a food crop or a cash crop). Complete the table by recording the plant family to which each of your crops belongs.

Type of crop	Use of crop (cash or food)	Preferred soil type ( <i>baleeri</i> or <i>kenyeri</i> )	Plant family (grass/grain, legume/pea, or mallow)
Cotton	Cash crop	Can grow in <i>baleeri</i> or <i>kenyeri</i>	
Corn	Food crop	<i>Baleeri</i>	
Peanut	Cash crop	<i>Kenyeri</i>	
Millet	Food crop	<i>Baleeri</i>	
Beans	Food crop	Can grow in <i>baleeri</i> or <i>kenyeri</i>	
Sorghum	Food crop	<i>Baleeri</i>	

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## Step 3. Testing soil nutrients

As you look at the soil nutrient test results, record your observations below. What changes do you notice from before the growing season to after the growing season?

Peanut field:
Corn field:
Cotton field:

## Step 4. Crop rotation and intercropping

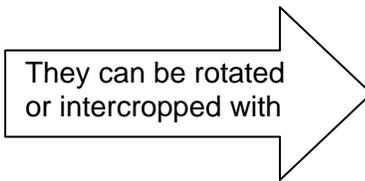
**Crop rotation:** Planting a crop from one family on a field during a season, then strategically planting a crop from a different family on that field the next season

**Intercropping:** Strategically planting two or more crops from different families on a field during the same year

Look back at your plant family information on Data Collection Page 1 (Step 2). Use the table to help you fill in the information below.

Crops in the legume (pea) family include:

- \_\_\_\_\_
- \_\_\_\_\_



Crops in other families, including:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_