

# Canada Agriculture and Food Museum

## Desert







## Forest





## Grain and farmer cards

### Grain Card Millet



- 🔑 I like intense heat and I grow quickly.
- 💧 I can survive drought because I need little water.
- 🌱 I can grow in poor, sandy soil.

### Farmer Card Niger Subtropical semi-arid climate



- 🔑 It's very hot here.
- 💧 Summers here are very dry and it doesn't rain a lot during the rest of the year, either.
- 🌱 Our soil is sandy and poor.





## Grain Card Rye



- 🌡️ I don't like it when it's too hot; I grow better in spring, when it's cooler. I can even survive the winter!
- 💧 I don't need a lot of water to produce grain, but I don't like drought.
- 🌱 Unlike some other grains, I can grow in soil that includes sand or peat.

## Farmer Card Lithuania

Continental humid climate



- 🌡️ Our summers are short and mild; our winters are long and cold.
- 💧 Our annual volume of rainfall isn't huge, but it can rain throughout the year: there is no dry season.
- 🌱 In some parts of our region grains have trouble growing because of the sand and peat in the soil.



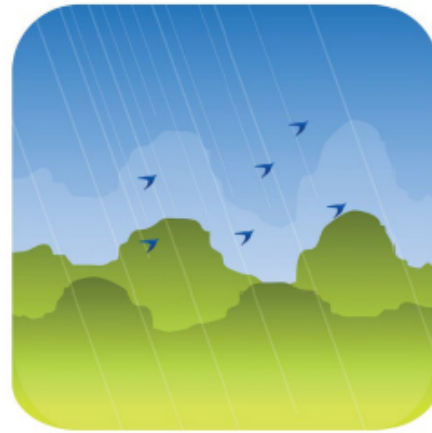
## Grain Card Rice



- 🔑 I don't like the cold at all. It has to be hot and humid for me to grow.
- 💧 I need water. A rainfall of at least 10 cm a month makes me happy!
- ☀️ I need really strong sunlight to grow.

## Farmer Card Southeastern China

Continental humid climate



- 🔑 Summers here are very hot and the air is humid. Winters are cooler, but very rarely cold enough for the ground to freeze.
- 💧 We have a lot of rain, all year long.
- ☀️ The sun's rays are very powerful here because we're close to the equator.



## Grain Card Quinoa



- 🔑 I need cold nights to germinate, but I like heat during the day.
- 💧 When I grow, I need a little water regularly. But to make seeds, I need dry winters.
- ☀️ I don't mind high altitude and poor, rocky soil.

## Farmer Card Bolivia Mountain climate



- 🔑 Day and night temperatures differ a lot here. It's very hot during the day, and very cold at night.
- 💧 Our rainfall is regular in summer, but our winters are dry.
- ☀️ The world's longest mountain range runs through our region. Grain must be able to grow at high altitude and in poor soil.



## Grain Card Sorghum



- 🌡️ I love the heat. I can't germinate if the temperature is less than 27°C!
- 💧 I don't burn or turn crispy in the sun, even if it's really hot and dry.
- 🌱 Unlike other plants, I have roots that can reach far down into the soil to find nutrients and water.

## Farmer Card India

Subtropical arid climate



- 🌡️ The daytime heat here is extreme, all year long.
- 💧 In general, we don't get much rain and, on top of that, we have a dry season.
- 🌱 The soil is quite poor. It doesn't contain many plant nutrients.



**This lesson plan was produced by the Canada Agriculture and Food Museum.**

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