



Where does your food come from?



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# GrowIt~KnowIt App



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# AGRICULTURE

**93%** of Nebraska's Land  
is used for  
Farming and Ranching



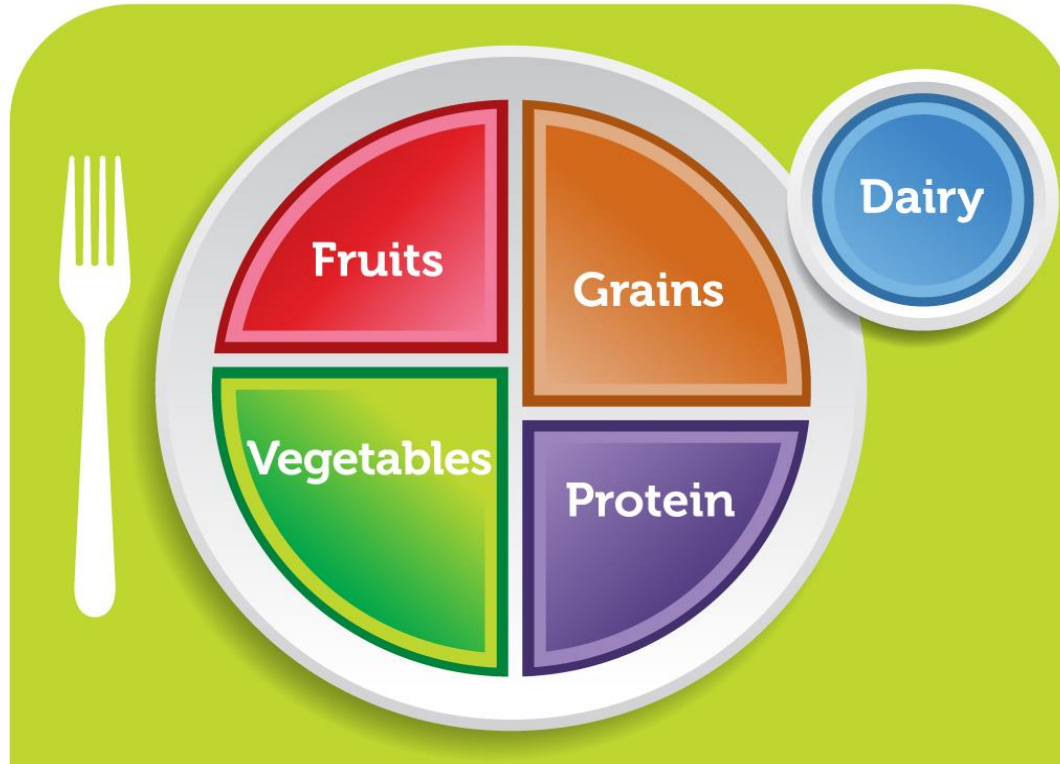
The average farm size is  
500-1,000 acres

One farmer produces  
enough food to feed

**155**  
PEOPLE



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**What's on "My Plate"?**  
**AND Where did it come from?**



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# What's for lunch?

Ham & Cheese Sandwich



Corn



Baby Carrots



Strawberry Cups

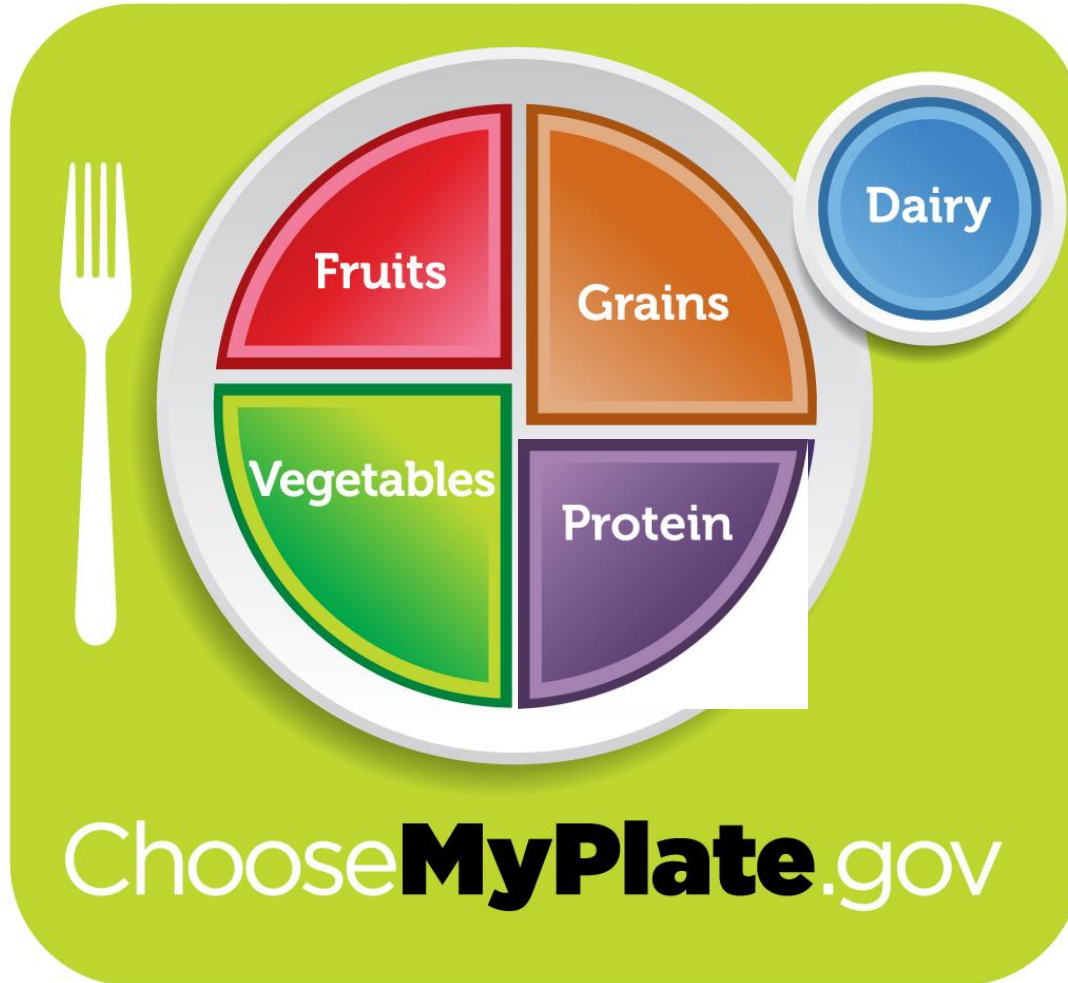


Milk





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# Ham

(on the Ham & Cheese Sandwich)



← Ham

**Where did it come from?**





← Ham



Beef (Beef)?



Sheep (Lamb)?



Corn & Soybeans?



Pigs (Pork)?



← Ham

NO



Sheep (Lamb)?



Corn & Soybeans?



Pigs (Pork)?



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← Ham

NO

NO



Corn & Soybeans?



Pigs (Pork)?



← Ham

NO

NO

NO



Pigs (Pork)?



← Ham

NO

NO

NO

YES



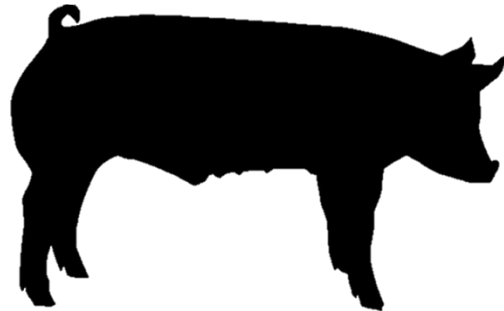
Pigs (Pork)!



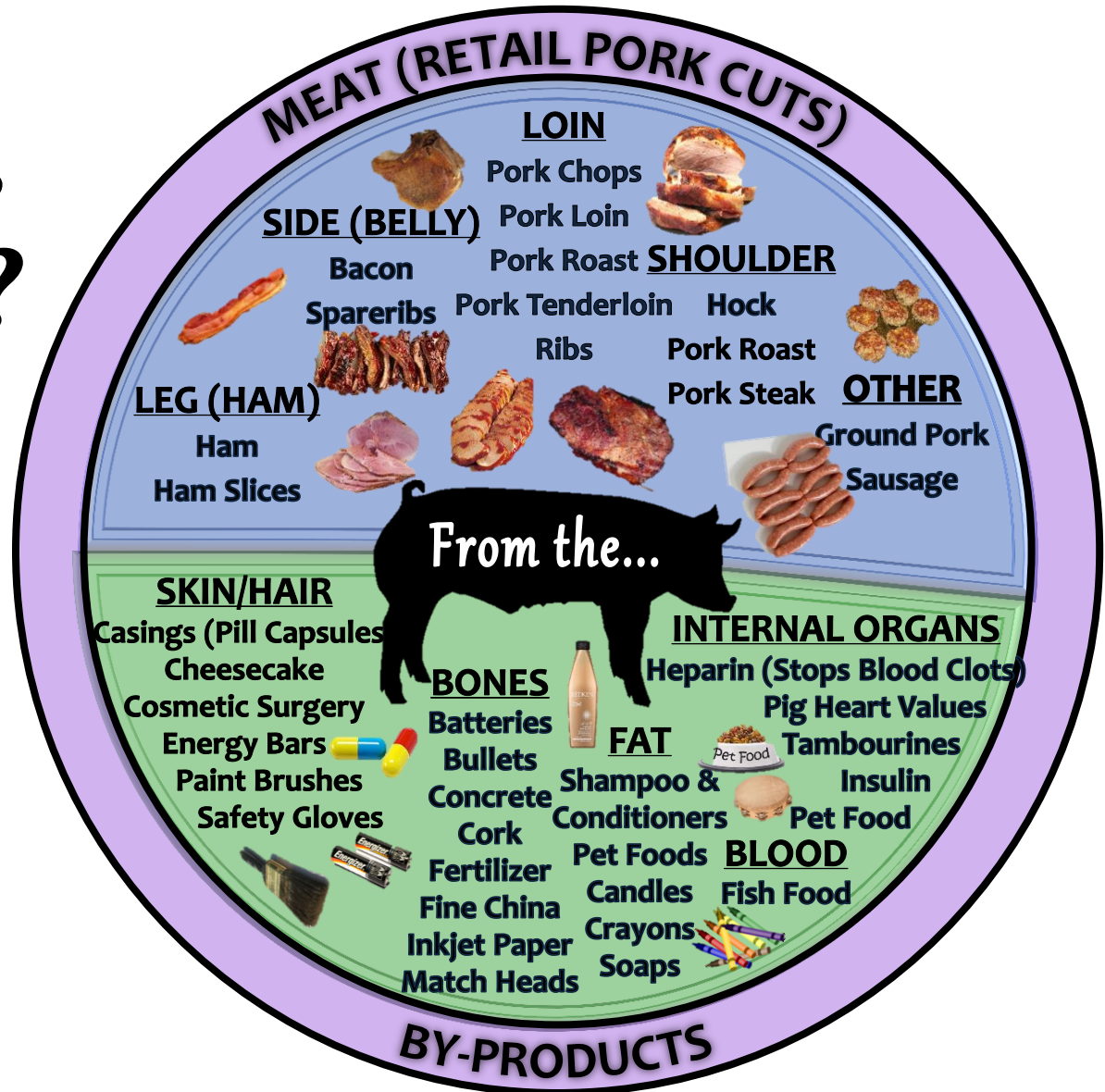
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# What comes from a PIG?



250 Pound Market Hog (Pig)	
130 Pounds Meat (Pork)	120 Pounds By-products





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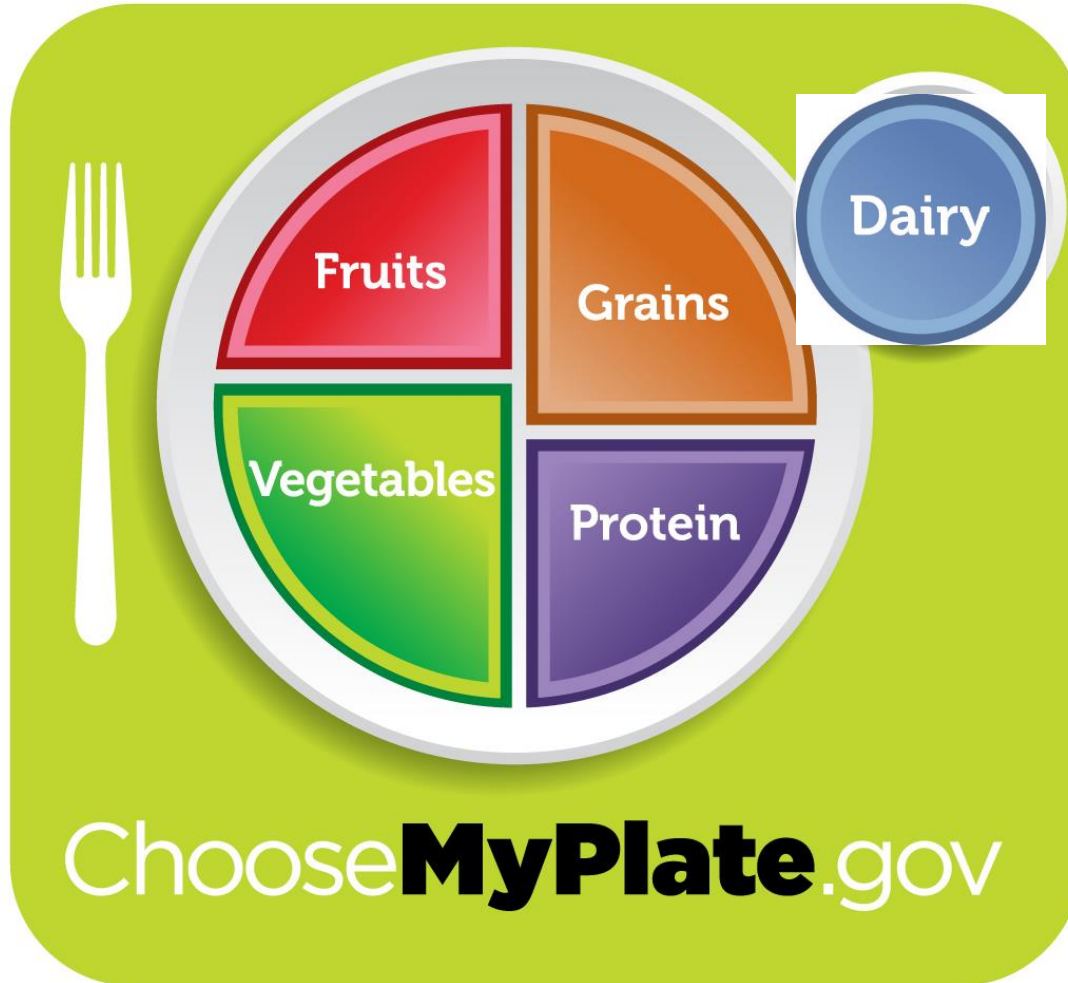
# What About PIGS/HOGS/PORK

- There are 3,000 pig farms in Nebraska.
- Nebraska is RANKED 6<sup>th</sup> in pig/hog production.
- Pigs/hogs are raised in barns;
  - ✓ To keep them safe from predators.
  - ✓ To protect them from extreme temperatures.
  - ✓ To keep them healthy and comfortable.
- Nebraska's pig farmers help feed you and your family.
- Farmers care about the well-being of their animals and follow strict guidelines for responsible food production.





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**Cheese**

(on the Ham & Cheese Sandwich)



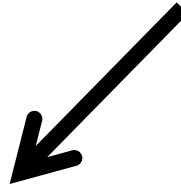
**Milk**



Milk



Cheese



**Where do these come from?**



Raised mainly for  
← **MILK**

Raised for  
**MEAT (BEEF)** →



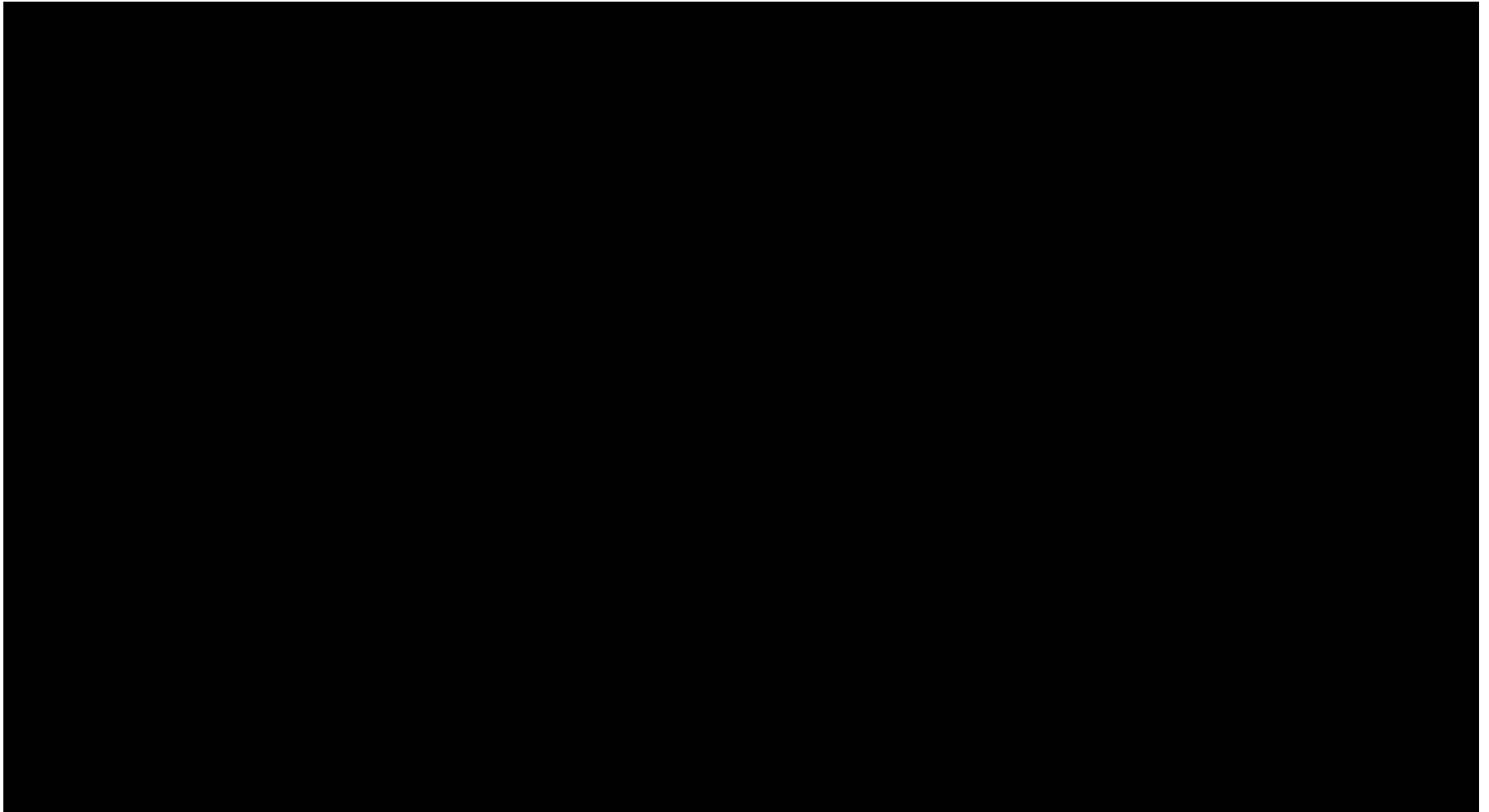


# DAIRY FARMING...

where MILK comes from.

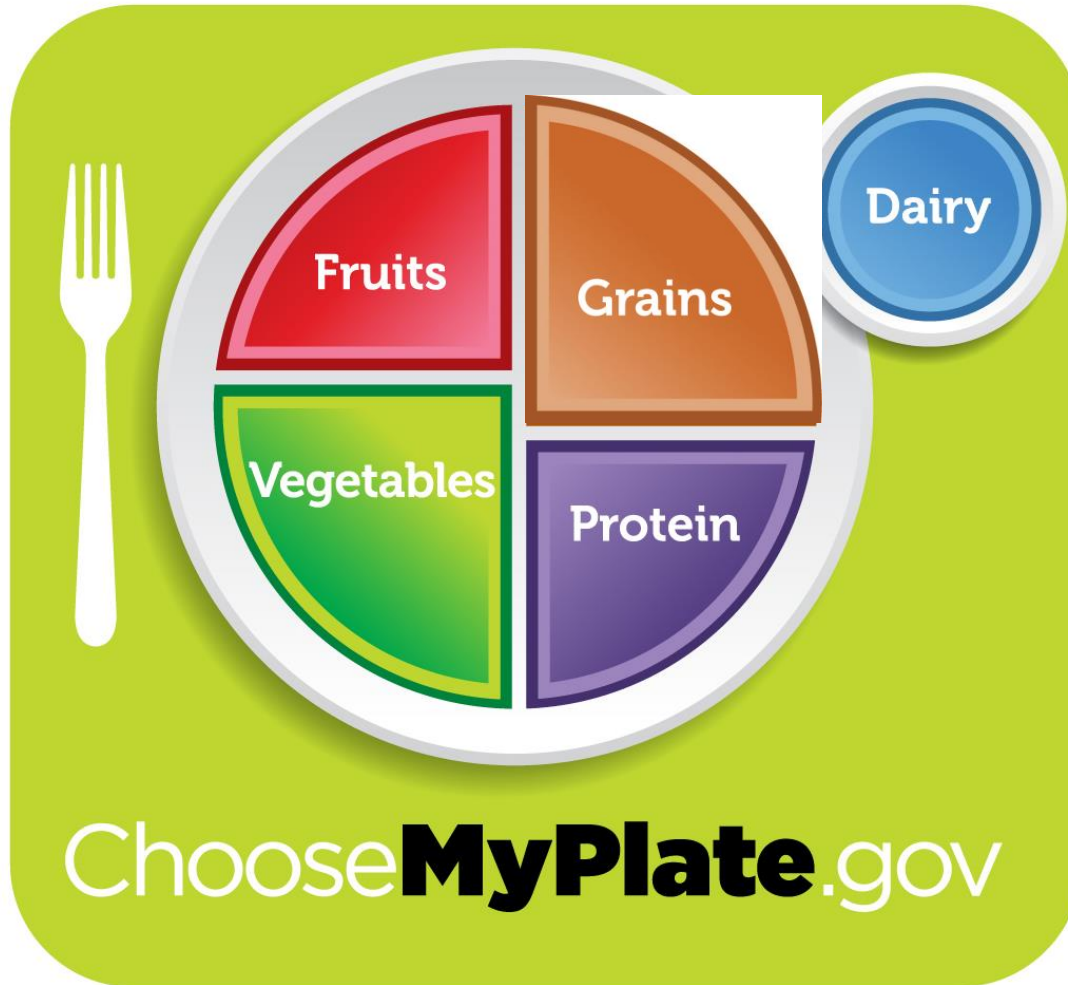


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# Bun

(As part of the Ham & Cheese Sandwich)



← Bun  
↙

**Where did it come from?**



← Bun  
↙



Corn



Soybeans



Wheat





← Bun  
↙

**NO**



Soybeans



Wheat



← Bun  
↙

NO

NO



Wheat



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←  
← Bun

NO

NO

YES



Wheat

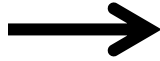


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# What About Wheat

Wheat comes from a PLANT.



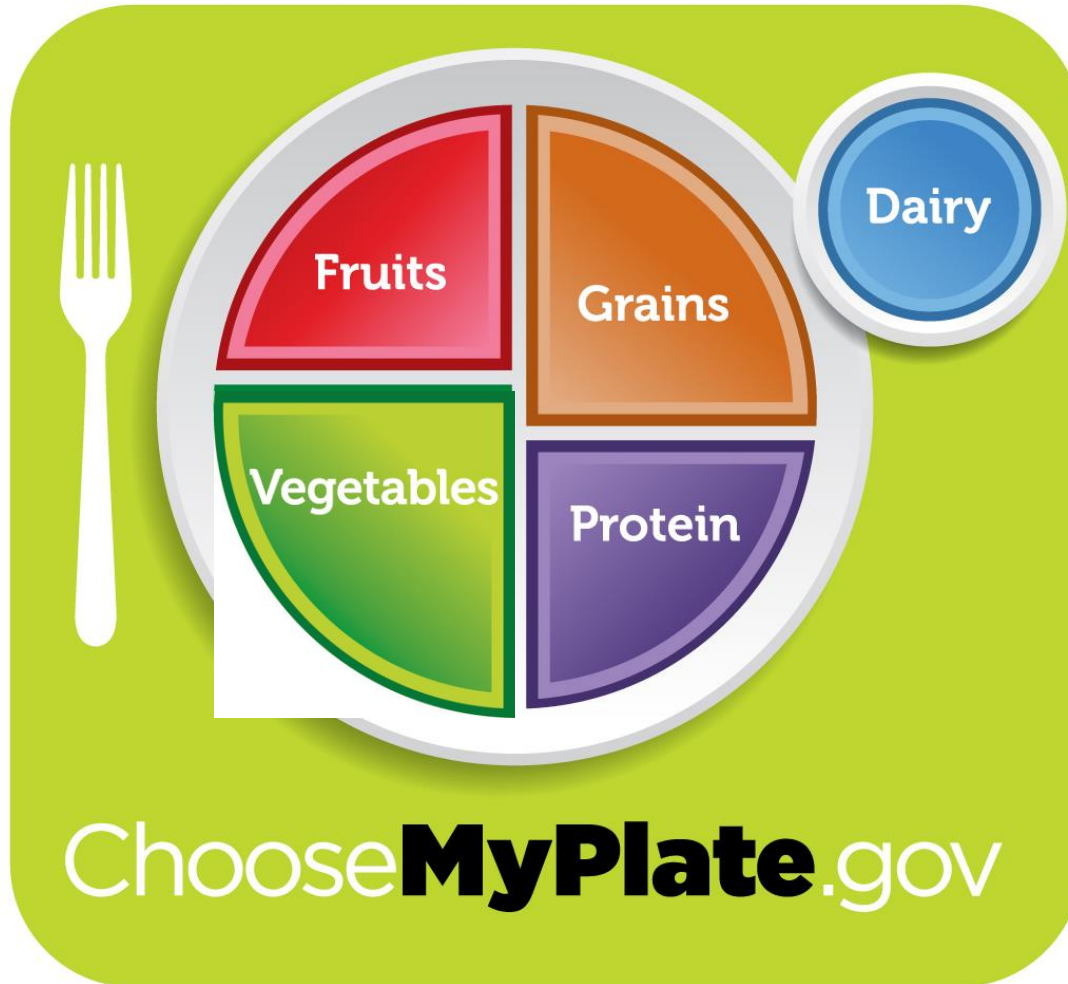
Wheat is a **GRAIN**. Other things that are made from **WHEAT**:



Bread  
Baked Goods  
Pizza Crust  
Pasta  
Cereals



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Corn

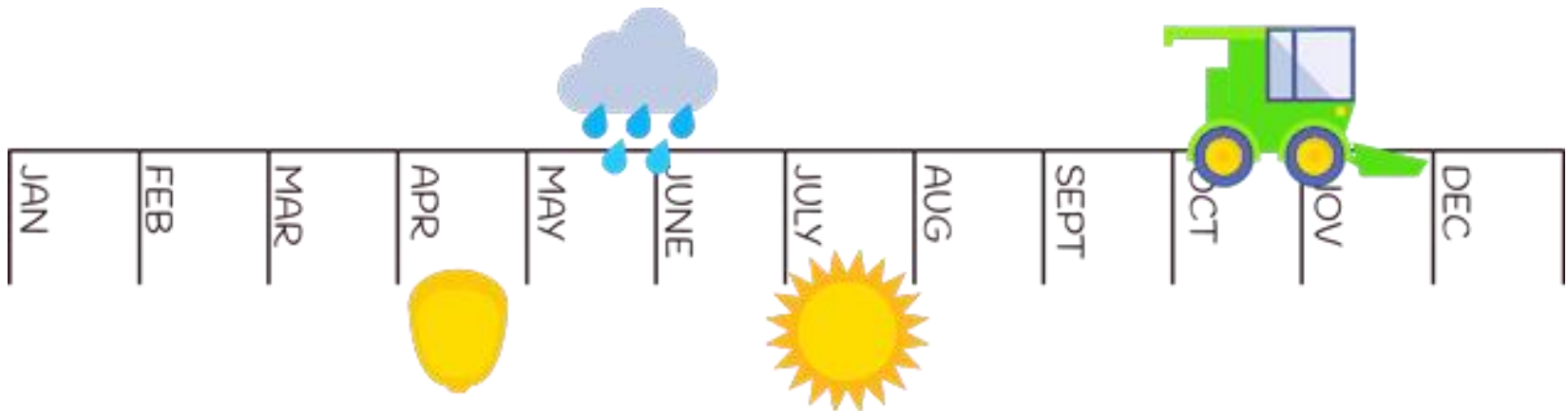
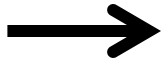


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# What About CORN

Corn comes from a PLANT.

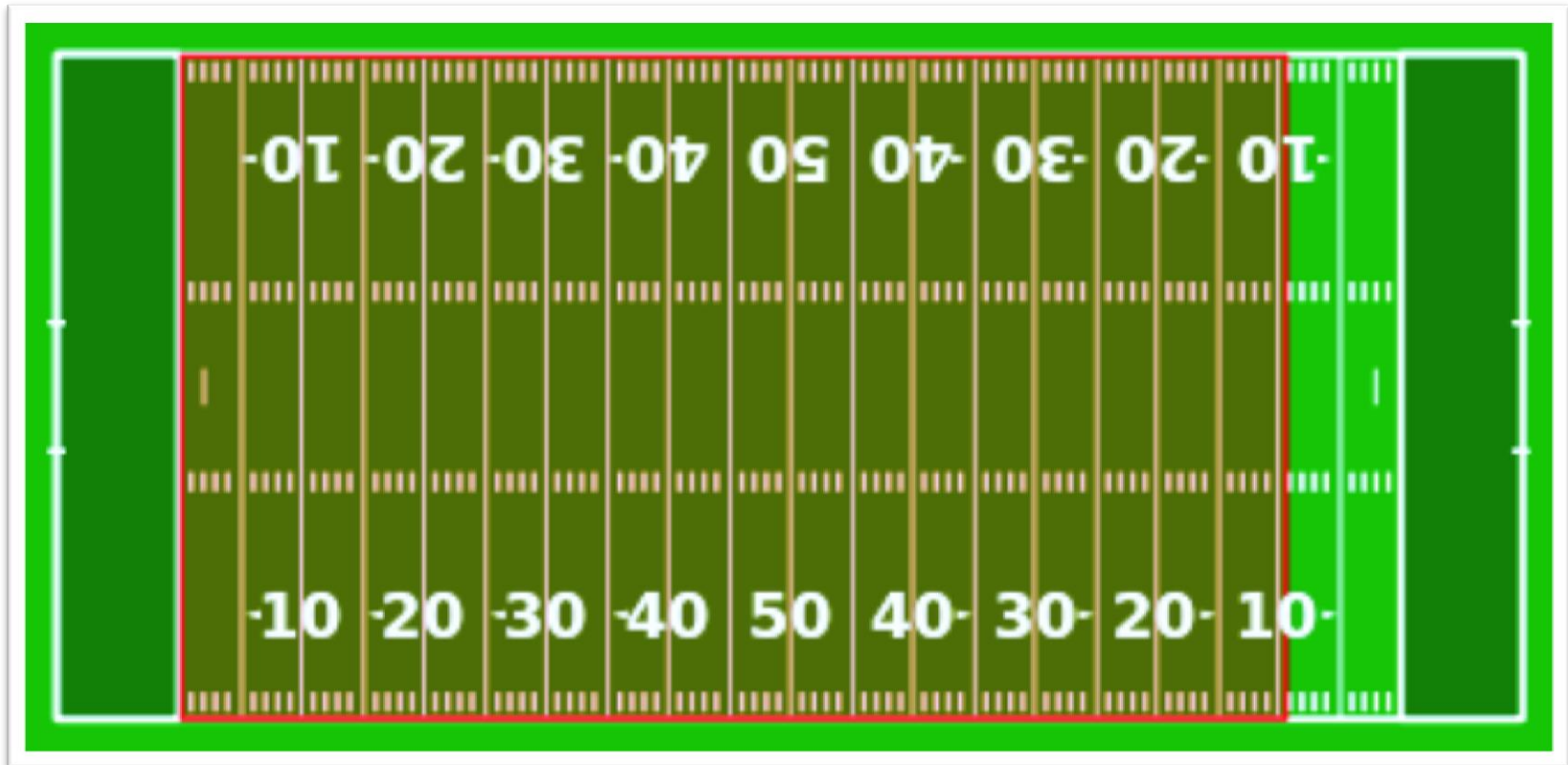




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# HOW BIG IS AN ACRE?



**43,560 square feet**

**Almost the size of a football field. Outlined in RED.**





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# Corn



# Soybeans





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# Planting CORN





# Harvesting CORN





# The Tales of Two CORN



## FIELD CORN

- 99% of the corn planted in U.S.
- Harvested when mature dry.
- Multiple Uses
- Nebraska is known as the “Cornhusker State” – and is the **THIRD** largest corn-producing state in the United States.



## SWEET CORN

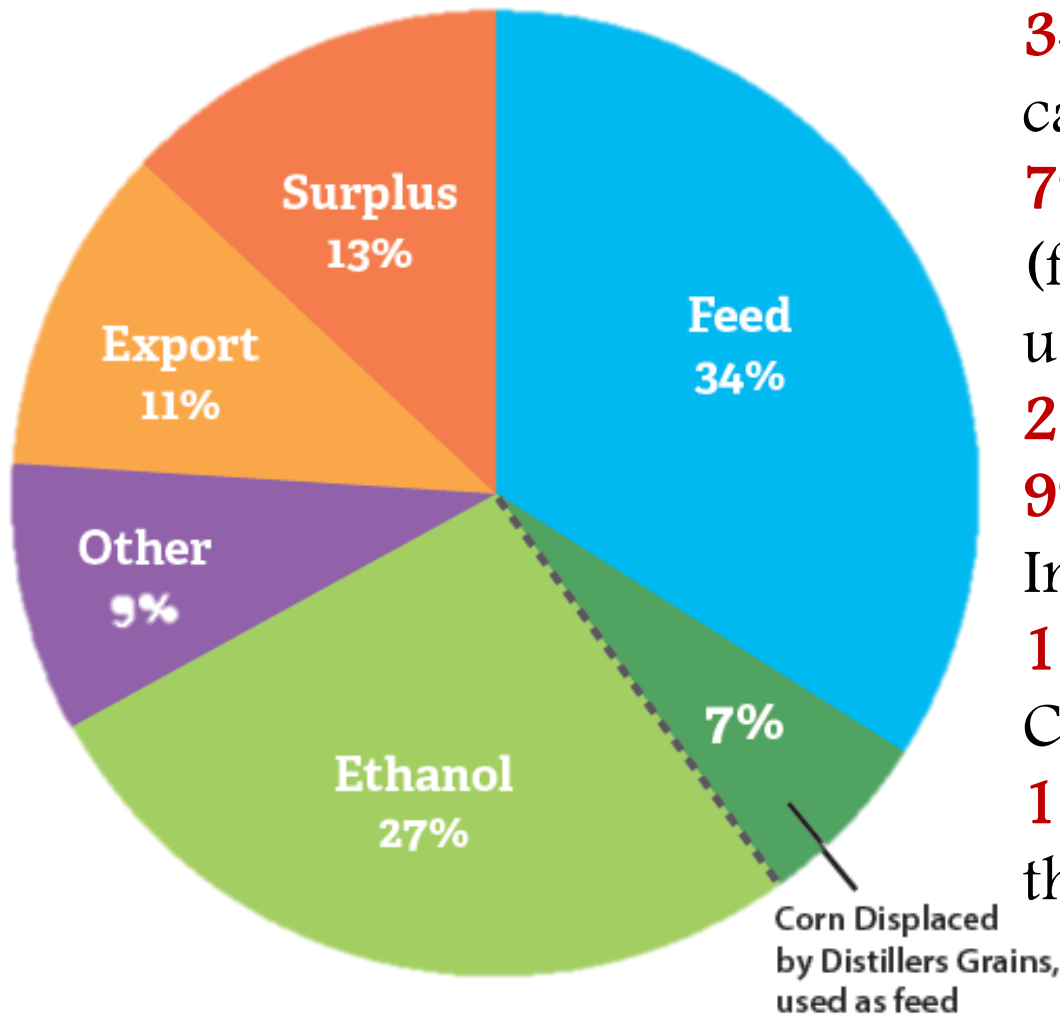
- 1% of the corn planted in U.S.
- Harvested when immature.
- Human Consumption ~ people purchase fresh, frozen or canned for eating.



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# Uses of CORN



- 34%** ~ Livestock Feed for cattle, pork and poultry
- 7%** ~ Distiller Grains (from Ethanol Production) used for livestock feed
- 27%** ~ Ethanol Production
- 9%** ~ Food, Seed & Industrial Uses
- 11%** ~ Exported to Other Countries
- 13%** ~ Surplus carried for the next year



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# Nebraska Ag Facts

## CORN

- 3<sup>rd</sup> largest corn producing state in the United States.
- Farmers are producing 6X more corn than in the 1920s.
- 9.1 million acres in corn production.

## SOYBEANS

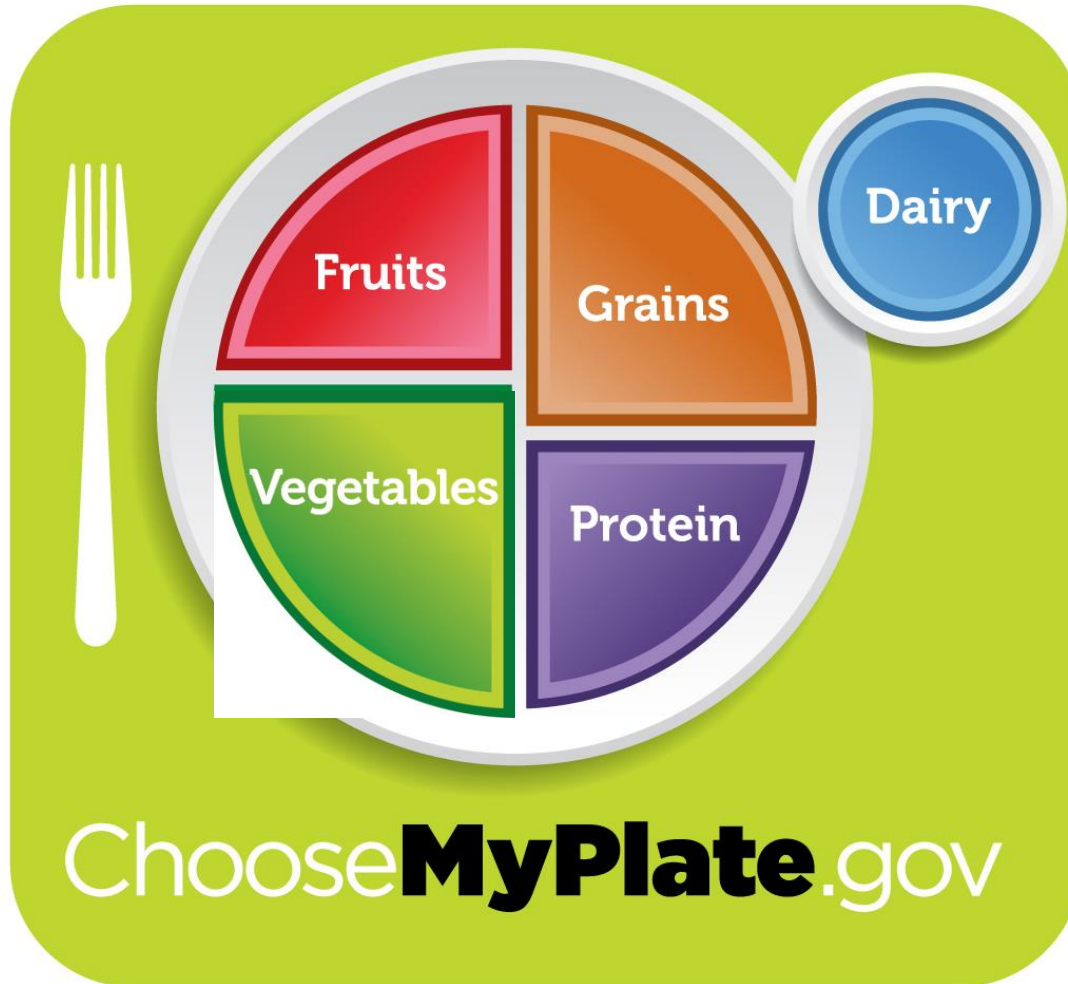
- 5<sup>th</sup> largest soybean producer in the United States
- Soybean production generates \$2 billion annually, making soybeans the second leading crop in Nebraska, next to corn.

## WHEAT

- 12th largest wheat producer in the United States
- 1.5 million acres in wheat production



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Baby Carrots





# What About CARROTS



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## Root Vegetable





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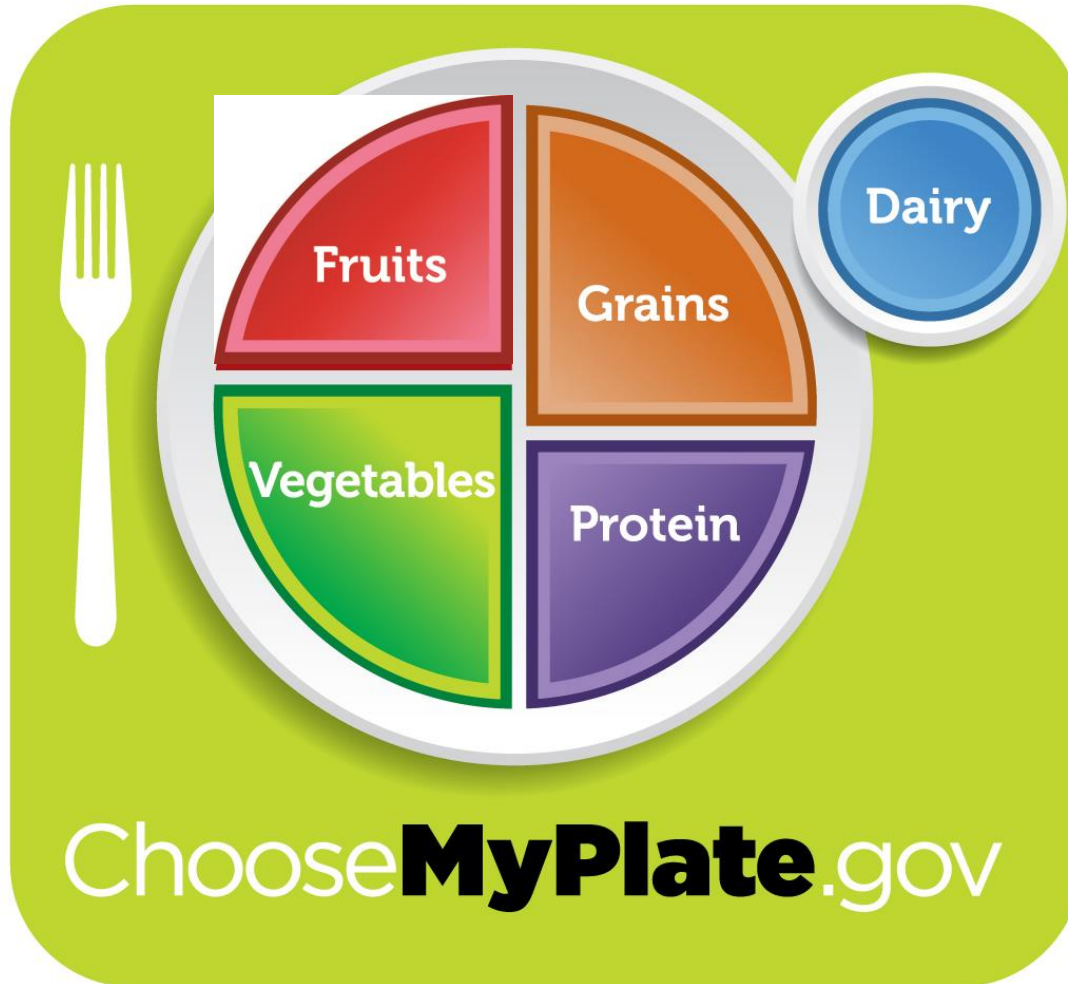
# What About BABY CARROTS



[https://www.youtube.com/watch?v=1a0\\_LRlEXj8](https://www.youtube.com/watch?v=1a0_LRlEXj8)

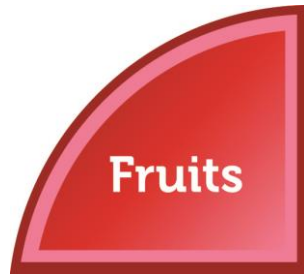


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# Strawberry Cups





# What About STRAWBERRIES



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Growing in a Family Garden



Growing Hydroponically (Water)



Growing Commercially



# What About STRAWBERRIES



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- **Strawberries are the only fruit that wear their seeds on the outside.**

*There are over 200 seeds on each strawberry.*

- **Strawberries aren't true berries, like blueberries or even grapes.**

*Technically, a berry has its seeds on the inside. To be really technical, each seed on a strawberry is considered by scientists to be its own separate fruit.*

- **Strawberries are members of the rose family.**

*That's why they smell as sweet as they taste.*

- **The strawberry plant is a perennial.**

*This means if you plant one now, it will come back next year and the following and the year after that.*

- **Americans eat an average of almost 5 POUNDS of (fresh and frozen) strawberries each per year.**

- **Native Americans ate strawberries long before European settlers arrived.**

- **California grows about 82% of the strawberries in the United States.**

*They grow about 2.7 billion pounds each year. Fun fact: if California were a country, it would be the world's largest producer of strawberries!*



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# Nebraska Ag Facts

## FRUITS & VEGETABLES

- Requires special equipment, a lot of people, and a lot of information to make a profit (money).
- Sell at farmers' markets, roadside stands, U-pick operations and/or through wholesale and/or retail outlets.
- Growers have increased from 78 in 2000 to 552 in 2011.
- In Nebraska ~ over 80 farmers' markets, nearly 290 roadside stands, and approximately 55 U-pick operations.



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# What about the GROW LAB

## CULTIVATING PLANTS & MINDS

Heritage Elementary School  
Plant Science Program

Sponsored by: Douglas County Farm Bureau  
Supported by: University of Nebraska-Lincoln Extension



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EXTENSION







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# What about the **GROW LAB**



## The Tomato Project

Transplanting, Growing, Watering & Tasting



## The Tasting Opportunity

Lettuce, Radishes & Carrots



## The Economics Project

Planting

Watering & Caring

Marketing

Selling at Field Day!



# WORLD POPULATION

Today = 7 Billion People

2050 = 9 Billion People



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## Where does your food come from?

# AGRICULTURE!

- AGRICULTURE is the largest industry in Nebraska.
- Nebraska AGRICULTURE helps feed the world.
- Farmers raise crops and/or livestock to make a profit so that they can feed the world.



Now you know!



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