

D I G I T A L M A G A Z I N E

LEARNTM
more

Minnesota Agriculture

Full of Food, Farmers & Fun!



14

Crops

E N R I C H M E N T

Minnesota Agriculture

LEARN [#] *More*



Apples



Barley



Beetroot



Corn



Green Beans



Oats



Peas



Potatoes



Soybeans



Sugar Beets



Sunflowers



Sweet Corn



Wheat



Wild Rice

Minnesota

Apples

On average, **240 MILLION** bushels of apples are harvested across the U.S. each year.



5 of the Most Popular Varieties of Apples:

1. Red Delicious
2. Gala
3. Granny Smith
4. Fuji
5. Golden Delicious

The U.S. is home to approximately **322,000 acres** of apple orchards.

2,500



varieties of apples are grown in the United States.

36

apples make **1 gallon** of cider.



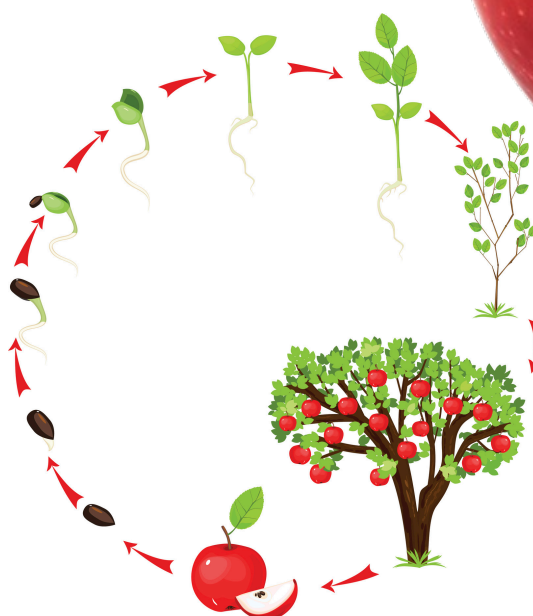
21% of apples are juiced.



An **apple blossom** is the flower that comes from an apple tree.

An apple tree takes at least **4 years** to start producing fruit.

Most apples are **HAND-PICKED.**



Minnesota

Barley

The U.S. harvests around **170 MILLION bushels** of barley per year on **2.2 MILLION acres** of land.



The U.S. produces mostly **spring** barley.

Ways to Classify Barley:

1. Spring Barley
2. Winter Barley
3. 6-Row Barley
4. 2-Row Barley

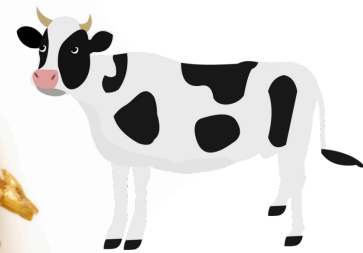
Barley is one of the **oldest** domesticated grain crops.

A **small** percentage of barley is milled into flour.



Barley is a cool-season, annual crop.

Barley is used as a feed grain for livestock.



The head of the plant is called the "**barley spike**" which is made up of 20 - 60 grains.

Barley is a **tall grass** with a stem that reaches between 30 - 35 inches high.



Minnesota

Beetroot

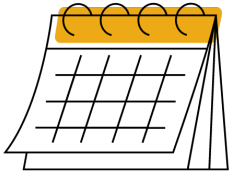
Coming Soon!



Minnesota

Corn

The U.S. is the **LARGEST** producer, consumer & exporter of corn in the world.



90 MILLION acres of corn is harvested each year in the U.S.

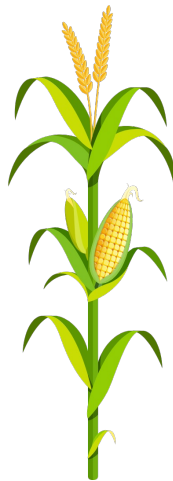
Corn is America's **number 1** field crop.

An ear of corn **ALWAYS** has an even number of rows.

Corn is considered a **vegetable, fruit** AND a **grain!**

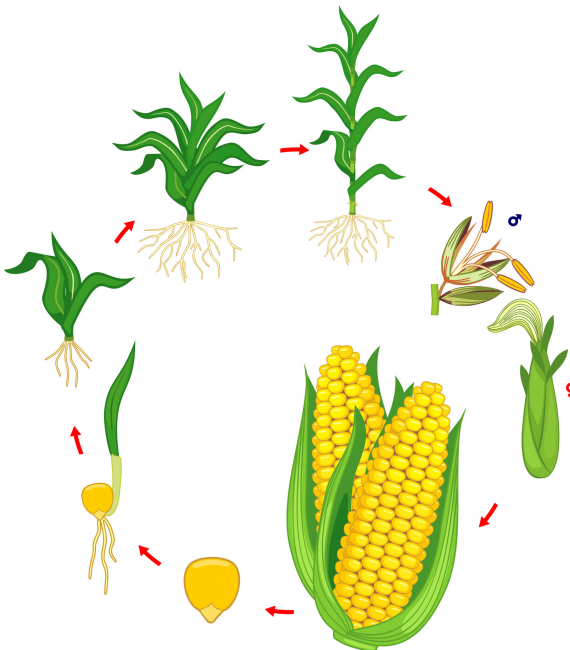


There are around **800** kernels on each ear of corn.



Most countries outside of the United States call corn **"maize"**.

Most of the corn grown in the U.S. is grown in what is called the **"corn belt"** located in the Midwest.



Minnesota

Green Beans

Minnesota is home to **2,300 acres** of green beans.

Bush & pole are the 2 main types of green beans.



Try growing green beans in your garden!

Green beans are the **3rd most** home-grown vegetable.

Green beans are said to **taste the best** when they are thinner than a **pencil**.

130+ varieties of green beans.

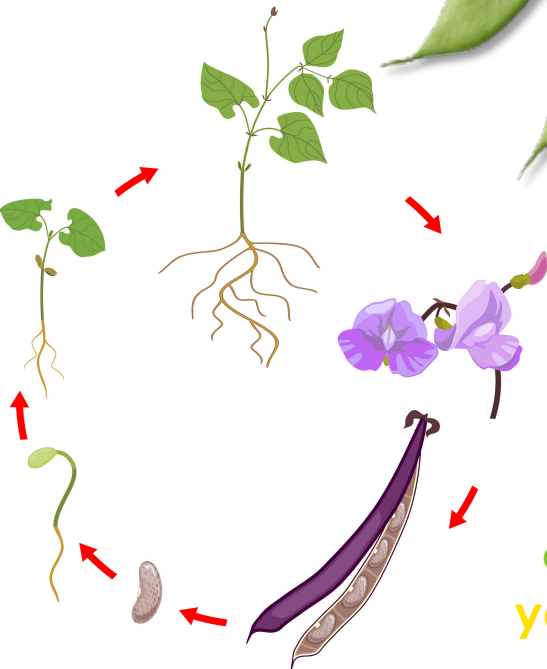
Green beans are also known as “**string beans**” or “**snap beans**.”



The World's Tallest Bean Plant was over **45 feet tall**.



Equivalent to **3 fully-grown giraffes** stacked on top of one another.



String beans can be **green, yellow** or **purple!**

Minnesota

Milk

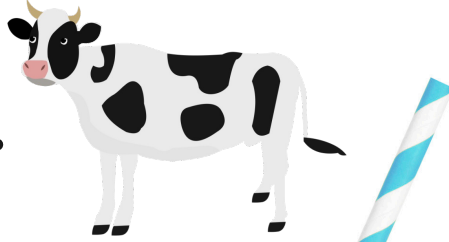
Minnesota is home
455,000 dairy cows.

10+ BILLION pounds of milk is
produced in Minnesota each year.

Nearly **98%** of U.S. dairy farms are family owned & operated.

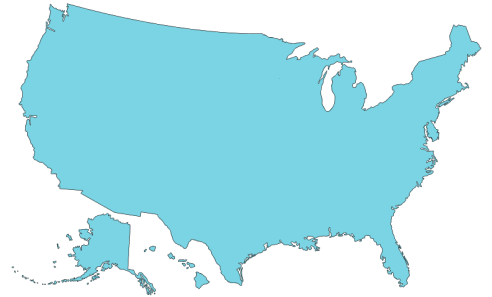
6

Breeds of
Dairy Cows:



1. Ayrshire
2. Brown Swiss
3. Guernsey
4. Holstein
5. Jersey
6. Milking Shorthorn

ALL 50
states have
dairy farms!



Holstein cows
all have a **unique**
pattern of spots!

1 cow produces around
6 gallons of milk per day.

The reason milk is
white is because it
contains **“casein”**
- a type of protein.

Farmers
measure milk
in **pounds**.

Milk is the source of
ALL dairy products!

The U.S. produces
~**21 BILLION** gallons
of milk each year.



Minnesota

Oats

The U.S. produces around **57 MILLION bushels** of oats each year.

Oats have been cultivated for **thousands** of years.

2 Kinds of Oats:

1. Husked
2. Naked

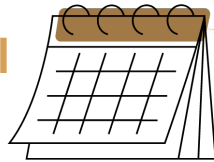
More than half of the world's oats are grown in the U.S. & Canada.

Farmers use oat straw as **bedding** for cattle & horses.

Oats are a **cool season** crop.

Oats are **planted** during the summer and early fall.

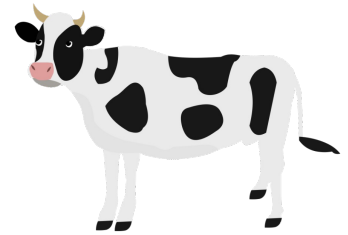
January is National Oatmeal Month!



Farmers use a "**combine harvester**" to harvest the oats.

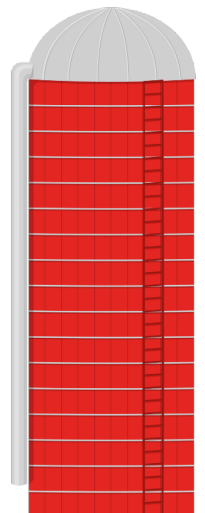


Oats are also used to make flour and alternative milk.



95% of oats grown in the U.S. are used for livestock feed.

Oats are stored in **silos**.



Minnesota

Peas

The U.S. produces **450+ MILLION pounds** of peas each year.

Throughout the U.S. there are about **893,000 acres** of peas.

3 Main Types of Peas:

1. English Pea
2. Snow Pea
3. Sugar Snap Pea

Peas make a great snack!



Pea pods grow to be around **4 inches** long.

The average pea weighs **0.1 - 0.3 grams!**



When a pea pod is **ripe**, the pod will split in half.

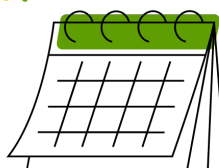


Peas are **cool-weather** crops that cannot tolerate the heat.

There are **5 - 10** peas in each pod.

A fully mature pea is **yellow**.

Harvesting takes place **60 - 70 days** after planting.



Minnesota

Potatoes

Idaho is the **#1 potato producing state** in the U.S.

Idaho harvests around **12 BILLION pounds** of potatoes each year.

U.S. farmers produce around **4.5 million pounds** of potatoes every hour.

In 1995, potatoes became the first vegetable grown in **space!**

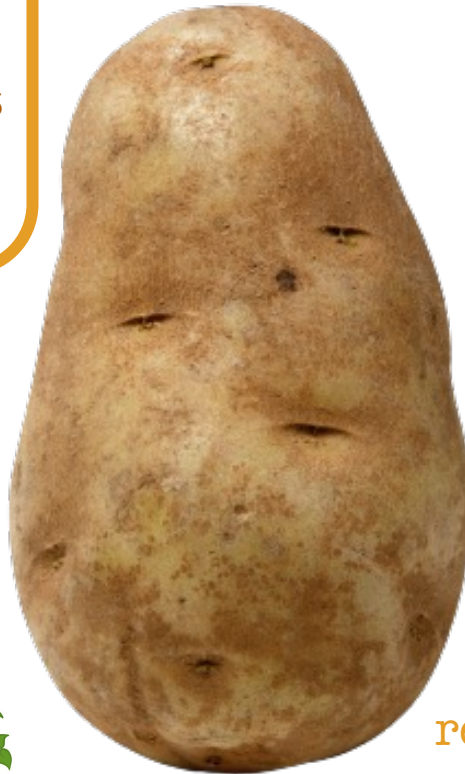


Potatoes are the **second** most consumed food in the U.S. after dairy products.



35%

of potatoes are turned into French fries.



AUGUST 13

National Potato Day

Potatoes are also referred to as **“spuds”**.



Potatoes are grown **underground**.

Potatoes are an **annual** plant.

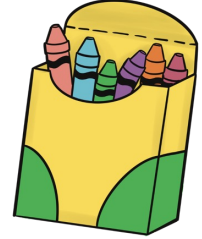


Potatoes are a part of the **nightshade** family.

Minnesota

Soybeans

The U.S. produces around **4 BILLION bushels** of soybeans each year.

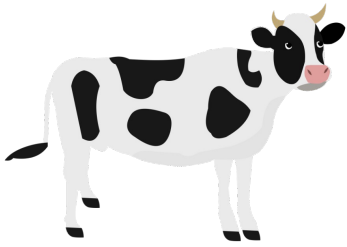


75 MILLION

acres of farmland are used for growing soybeans in the U.S.

One acre of soybeans can produce **82,368** crayons!

Soybeans are a part of the **legume** family.



Soybeans were first grown in the U.S. for **cattle feed**.

Soybean pods usually contains **3 seeds** each.



“Miracle Bean”



The U.S. is the **leading** country in soybean production.

Each soybean plant produces around **100** pods.

Soybean plants average **3 - 5 feet** tall.



Minnesota

Sugar Beets

Coming Soon!



Minnesota

Sunflowers

Minnesota is home to **75,000 acres** of sunflower fields.

Sunflower **seeds** are a popular snack for baseball players.



Sunflowers aren't *always* **yellow** – they also can be **red, purple** or **brown!**

The world record for **TALLEST** sunflower was 30 feet and 1 inch tall.



Sunflowers symbolize positivity.



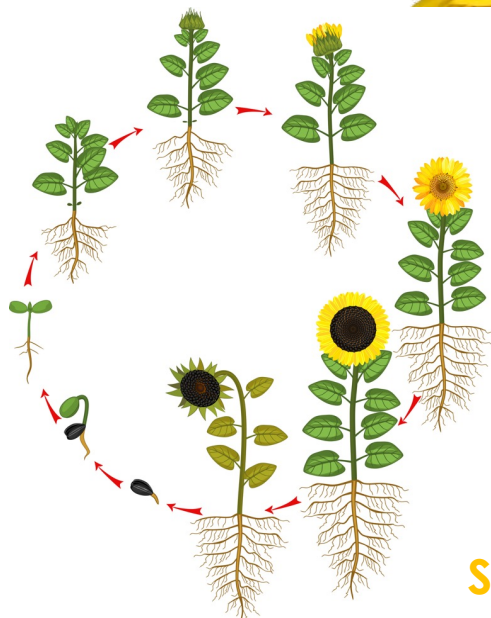
Sunflowers are at **PEAK** bloom in mid-summer.



The head of a sunflower is made up of **thousands** of tiny flowers.

Young sunflowers turn and face the **sun** as it rises and then continue to follow throughout the day.

Sunflowers follow the SUN!



Minnesota

Sweet Corn

Only 1% of all corn grown in the U.S. is sweet corn.

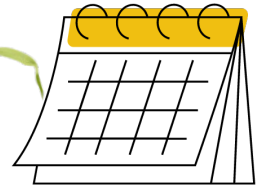
The U.S. is home to around **340,000 acres** of sweet corn.

All 50 states grow sweet corn – find some at your local farmer's market!

An ear of corn **ALWAYS** has an even number of rows.

In many other countries, corn is called "**maize.**"

Only 1% of the corn grown in the U.S. is sweet corn.



Sweet corn is in *peak* season from **May - Sept.**

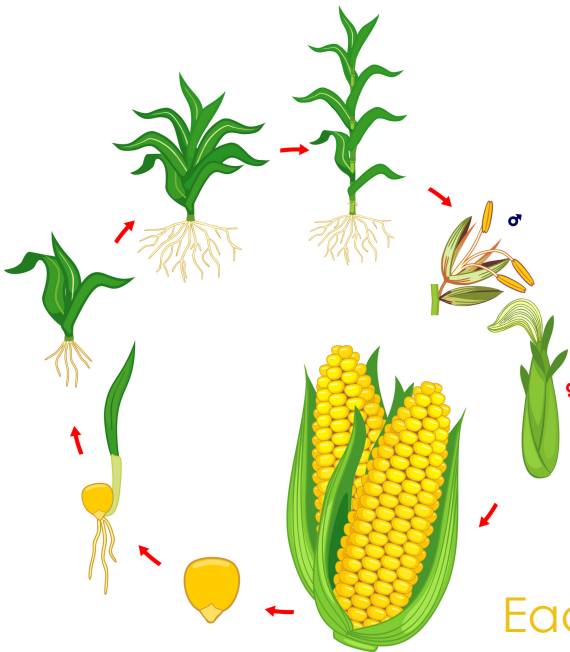


Around **800** kernels on each ear of corn.

Sweet corn is pollinated by the **wind.**

Sweet corn is the **ONLY** corn grown for **human** consumption.

Corn is considered a **grain, fruit & vegetable.**



Each stalk produces **1 - 3** ears of corn.

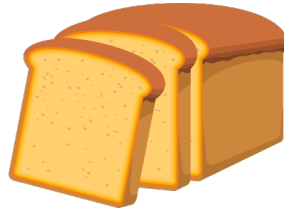
Wheat

The U.S. produces around **1.65 BILLION** bushels of wheat each year.

1 bushel of wheat contains around **100,000,000** individual kernels.

6 Classes of Wheat Grown in the U.S.

1. Hard Red Winter
2. Hard Red Spring
3. Soft Red Winter
4. Soft White
5. Durum



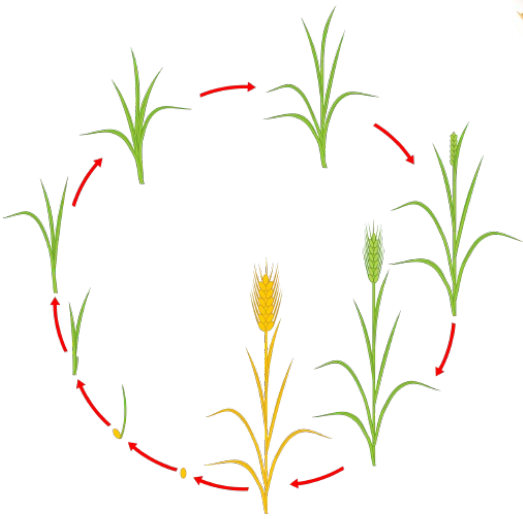
1 bushel of wheat can produce **90 loaves of bread.**

Hard Red Winter wheat is used mostly for making **breads.**

1 acre = **40** bushels of wheat.

The average wheat crop grows to be between **2 & 4** feet tall.

Wheat grows best in **warm** weather.



Wheat is the **MOST** harvested crop in the world.

Minnesota

Wild Rice



Minnesota is the **#1** wild rice producer in the U.S.

Minnesota produces **7+ MILLION pounds** of wild rice each year.



Wild rice is Minnesota's **official state grain**.

Top 2 Wild Rice Producing States:

1. Minnesota
2. California

In Minnesota, wild rice harvesters must be licensed to gather the grain and must do it in the traditional, Native American way.

Wild rice is technically a **“water-grown grass seed”**.



Wild rice can pop like **popcorn!**



Wild rice can grow up to **8 feet** out of the water.

Sometimes referred to as **“water oats”**. Wild rice grows naturally in **waterways** in almost every state.



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