

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

LEARN⁺™ more

North Dakota Agriculture

Full of Food, Farmers & Fun!



15
Crops

E N R I C H M E N T

North Dakota Agriculture

LEARN more



Barley



Beetroot



Corn



Flaxseeds



Honey



Lentils



Milk



Oats



Peas



Popcorn



Potatoes



Soybeans



Sugar Beets



Sunflowers



Wheat

North Dakota

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

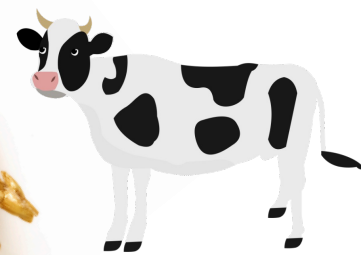
Barley is one of the **oldest** domesticated grain crops.

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.



North Dakota

Beetroot

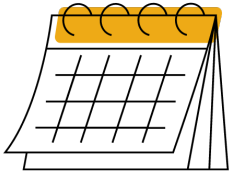
Coming Soon!



North Dakota

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.

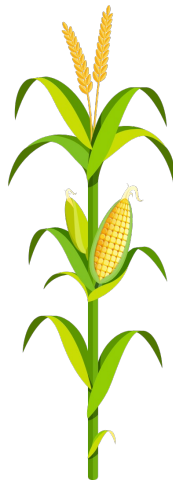
Corn is America's **number 1** field crop.

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

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

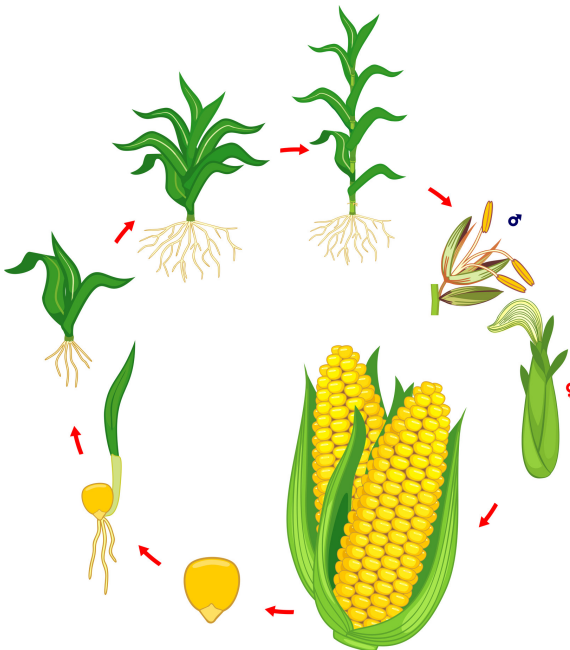


There are around **800** kernels on each ear of corn.



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.



North Dakota

Flax Seeds

Flax is grown on **268,000 acres** across the U.S.

In total, the U.S. produces around **2.7 MILLION bushels** of flax each year.

Flax seeds can be **brown** or **yellow**.

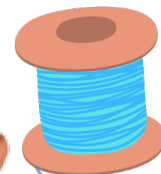
Top 2 Flax Seed Producing States:

1. North Dakota
2. Montana

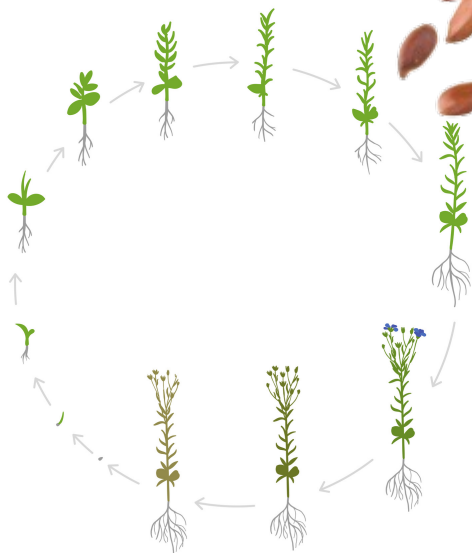
Flax was **first** used as a thread to make linens.

Flax seeds come from a **flax plant**.

Flax seeds are also known as "**linseeds**".



The blue color from the flax plant can be used to make **fabric dye**.



Flax grows best in cool climates that have long periods of daylight.

Flax is a **blue-flowering** plant.



North Dakota

Honey

North Dakota produces the **MOST** honey in the U.S.

North Dakota produces over **31 MILLION pounds** of honey each year.

Top 4 Honey Producing States:

Cool nights & warm days help flowers release **large** amounts of nectar.

1. North Dakota
2. South Dakota
3. California
4. Florida

MORE nectar = MORE honey!



To produce **1 pound** of honey, a colony of bees must collect nectar from **2,000,000** flowers.



The average honeybee produces only **1/12** of a teaspoon of honey in its lifetime.

60,000 - 80,000 honeybees in every beehive.



A typical beehives produces **30 - 100** pounds of honey a year.

North Dakota

Lentils

North Dakota harvests around **95,000 acres** of lentils each year.

ND averages **1,070 lbs.** of lentils per acre.



June - July, pale blue flowers grow on the leaves of the lentil plant.



Lentils are one of the **earliest** domesticated crops.

Lentils are planted in **early May** & harvested **mid-August**.



4 Main Categories of Lentils:

1. Brown
2. Green
3. Red/Yellow
4. Specialty



Brown are the most common.

A **drought** resistant crop.

Lentils grow **inside** the pods on the plant.

Lentils are a **"legume"**.

Lentils are most commonly eaten in **soups**.



Lentils are a **short crop** – lentil plants never reach more than **2 feet** in height.



There are **1-3** lentils per pod.



North Dakota

Milk

North Dakota is home
14,000 dairy cows.

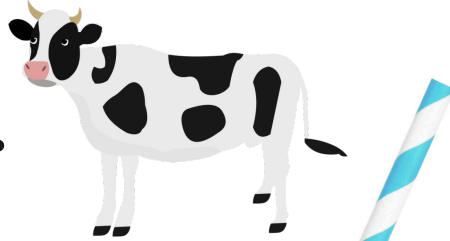
319 MILLION pounds
of milk is produced in
North Dakota each year.



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

6

**Breeds of
Dairy Cows:**



ALL 50
states have
dairy farms!

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

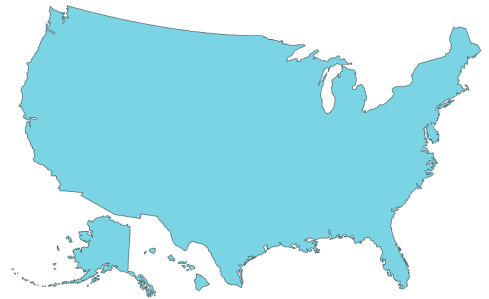
Holstein cows
all have a **unique
pattern of spots!**

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.**



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



Milk is the source of
ALL dairy products!

North Dakota

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:

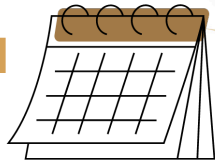
1. Husked
2. Naked

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

Oats are a **cool season** crop.

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

January is National Oatmeal Month!



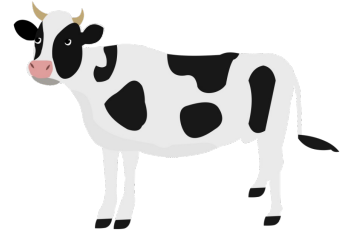
Oats are commonly rolled and made into **oatmeal**.

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



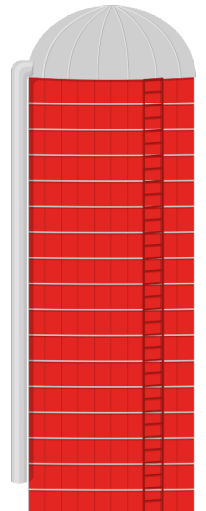
Oats are also used to make flour and alternative milk.

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



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

Oats are stored in **silos**.



North Dakota

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.

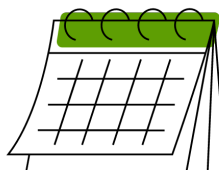


Peas are **cool-weather** crops that cannot tolerate the heat.

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

A fully mature pea is **yellow**.

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



North Dakota

Popcorn

The U.S. is the number 1 **producer** & **consumer** of popcorn in the world.



Popcorn is grown in **25 states** across the U.S.



Popcorn is a type of corn with a **thicker hull**.



Most popcorn is grown in the **Midwest**.

JANUARY 19

National Popcorn Day

Popcorn is over **5,000** years old.

Popcorn is the **only** type of corn that **pops!**



Popcorn stalks can be up to **8 ft tall**.



Popcorn pops in 2 basic shapes: **butterfly** and **mushroom**.

Popcorn can pop up to **3 feet** in the air!



Today, many movie theaters make **more profit** off popcorn sales than movie tickets.



North Dakota

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.

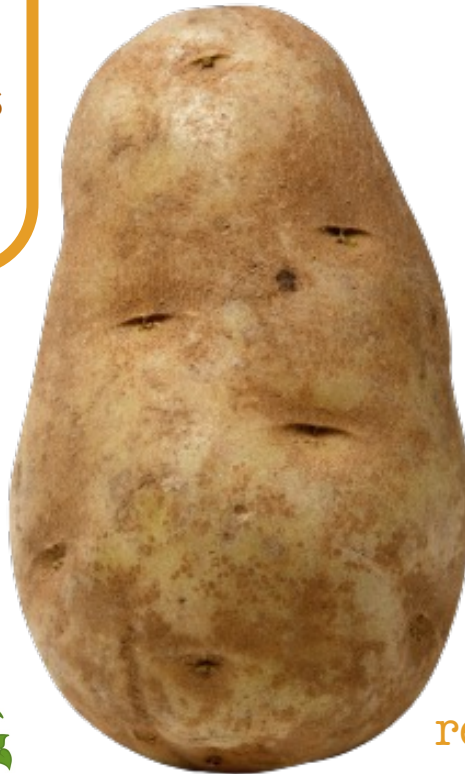
In 1995, potatoes became the first vegetable grown in **space!**



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

35%

of potatoes are turned into French fries.



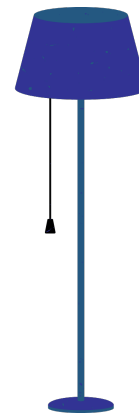
AUGUST 13

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.



North Dakota

Soybeans

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

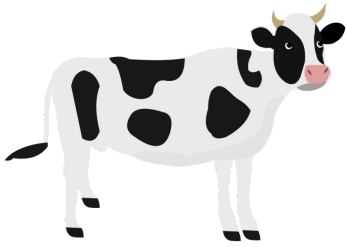


75 MILLION

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.



North Dakota

Sugar Beets

Coming Soon!



North Dakota

Sunflowers

North Dakota is the **LARGEST** sunflower producing state in the U.S.

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.



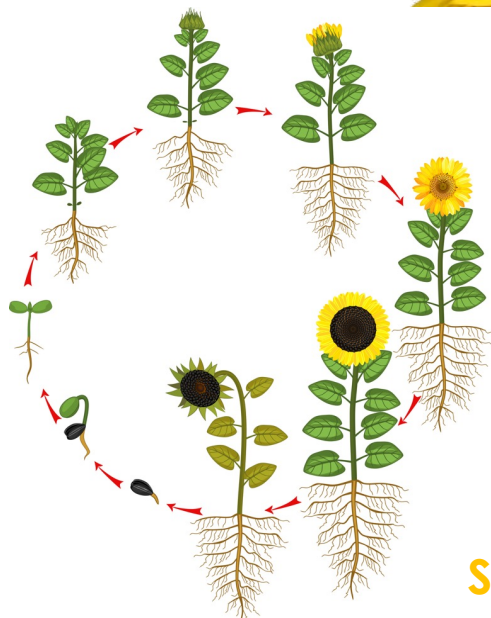
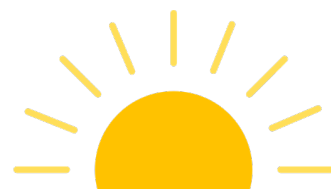
Sunflowers are at **PEAK** bloom in mid-summer.



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!



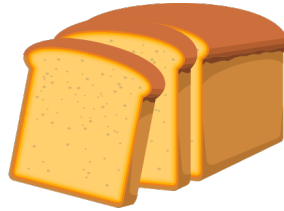
Wheat

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



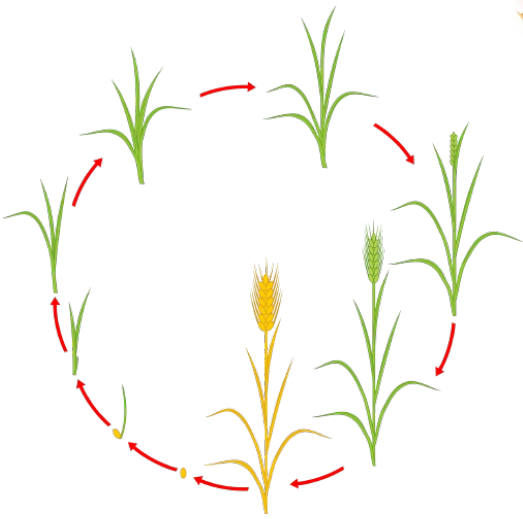
1 bushel of wheat can produce **90 loaves of bread.**

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.

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