



ILLINOIS CROPS

NAME _____

FIELD CORN

Field corn is not the type of corn you eat on the cob. It is a special type of corn that has a hard outer shell and is full of starch. It is processed to make products you use every day and used in animal feed.

PLANTING & HARVEST:

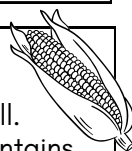
In Illinois, corn is planted in the spring. A farmer uses a planter to plant the seeds (or kernels). The planter is connected to a tractor. Corn harvest is in the fall. Farmers use different machinery for harvest. They use a combine. The combine separates the kernels, cob and stalk for the farmer.

CORN PRODUCTS:

- Livestock feed
- Cereal
- Wallpaper
- Skateboards
- Cosmetics
- Plastic
- Ethanol
- Corn Syrup

PARTS OF A CORN PLANT:

A corn plant is typically between 6 and 12 feet tall. At the top of the plant is the tassel. The tassel contains pollen. The stem of the corn plant is called the stalk. Leaf blades are attached at various points on the stalk. At the very top is the final leaf called the flag leaf.



CORN PLANT DIAGRAM

Label the parts of the corn plant based on the explanation.

ear	leaf blades	tassel	flag leaf
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COMMODITY COLORING

On the front cover, use ag-accurate colors to color the plants and popped popcorn.

POPCORN FACTS:

- Popcorn is the official Illinois State Snack Food.
- In the early 1900s, popcorn was eaten for breakfast like cereal!
- Popcorn kernels can pop up to 3 feet in the air.
- 14 billion quarts of popcorn are consumed by Americans each year.
- Illinois is #3 in popcorn production in the United States.

POPCORN SHAPES:

Mushroom

Butterfly

Popcorn is a specific type of corn grown for snacking. Not all corn will pop! Popcorn is different than sweet corn and field corn. It has a thick outer shell and moisture in it that makes it pop when heated.

POPCORN

1. wheat is grown in nearly every state
2. wheat can grow 2 to 3 feet tall
3. farmer jace takes wheat to the mill
4. does wheat make flour
5. wheat is planted by a drill

WHEAT MILL SENTENCE FIX

Use correct capitalization and punctuation to fix each sentence.

SOYBEANS

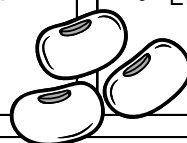
Soybeans are the seeds of the soybean plant. They grow on the soybean plant in pods. Soybeans are part of the legume family and a great source of protein and other essential nutrients. You can find soybeans in all sorts of food and industrial products, making it one of the most versatile crops there is.

SOY PRODUCTS:

- Cooking oil
- Candy
- Tofu
- Snack foods
- Soymilk
- Candles
- Crayons
- Ink
- Cleaning Products
- Sunscreen
- Lotion
- Rubber
- Glue

SEED PARTS:

- Seed Coat
- Hilum
- Cotyledon
- Embryo



PLANTING TO HARVEST:

In the spring farmers begin to work the soil to plant the soybeans. Throughout the summer and into early fall, farmers work to control weeds and insects and apply fertilizer when necessary. Harvest happens in the fall. Farmers collect the dry soybeans from the field using a combine. The collected soybeans are then stored in grain bins.

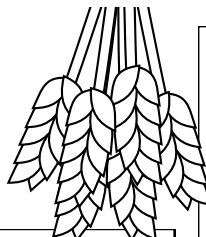
WHEAT

Wheat is a grain used mostly for food products. Wheat is an annual grass plant. There are two major types of wheat planted in the United States: winter wheat and spring wheat.

ONE BUSHEL OF WHEAT:

PLANTING & HARVEST: Winter wheat is planted in September and harvested the following summer. Spring wheat is planted in April or May and is harvested in August or September.

WHEAT PLANT: Head: Contains the kernels
Stem: Supports the head and is known as straw
Leaves: Conduct photosynthesis after harvest
Roots: Hold the plant in the soil



- Weighs 60 pounds and:
 - Fills 53 boxes of cereal
 - Makes 72 pounds of flour
 - Rolls into 420 three-ounce cakes
 - Bakes into 800 sponge tortillas
- Makes 5,000 four-inch cinnamon buns
- cookies

THE 'PLUS' SIDE OF SOY

Complete these math problems to solve the message below. The answer corresponds with a letter.

#1 144 + 178

#2 150 + 245

#3 261 + 182

#4 122 + 144

#5 164 + 123

#6 361 + 225

#7 135 + 173

322 = E 266 = O 308 = O

586 = N 287 = B 443 = A

326 = I 273 = A 395 = B

L _ _ R _ _ I N G _ _ _ U T S _ _ Y
1 3 6 3 2 4 4
I S C _ _ L _ _ _ S!
4 7 5 1 3 6