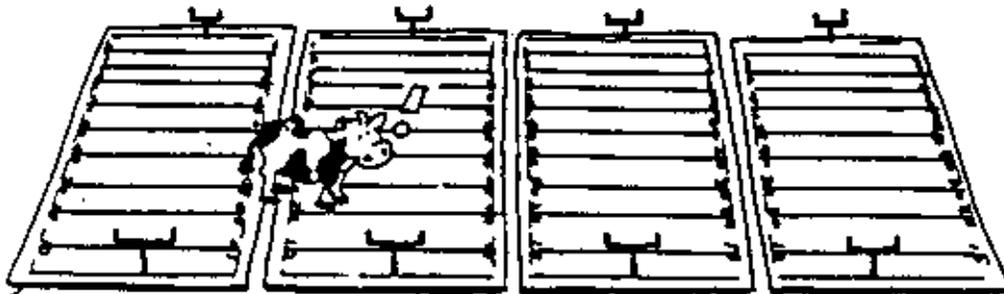


Your own 4½ acres; that's what it takes!

How much land do you think it takes to produce the food and clothing you need? In America, an average 4½ acres is farmed for every man, woman, and child. That's about the size of four football fields.



Put all these acres together and what do you get?
The things each one of us uses or eats every year:

- 699.0 lbs. paper
- 582.2 lbs. dairy products
- 190.5 lbs. vegetables
(except potatoes)
- 171.8 lbs. flour and cereal products
- 166.7 red meat
- 152.7 lbs. sugar and sweeteners
- 109.8 lbs. fresh and processed fruit
- 85.0 lbs. turkey and chicken
- 81.0 lbs. potatoes
(including sweet)
- 62.7 lbs. fats and oils
- 46.6 lbs. citrus juice
- 30.9 lbs. eggs
- 21.6 lbs. cotton
- 19.7 lbs. melon
- 15.0 lbs. fish
- 11.5 lbs. coffee, tea, cocoa
- 9.3 lbs. tree nuts and peanuts
- 3.4 lbs. mushrooms
- 1.5 lbs. wool

That a whopping 2460.9 lbs. for each of us each year. Would you believe we drink an average 31.7 gallons of soft drinks, too?

It's all thanks to agriculture!

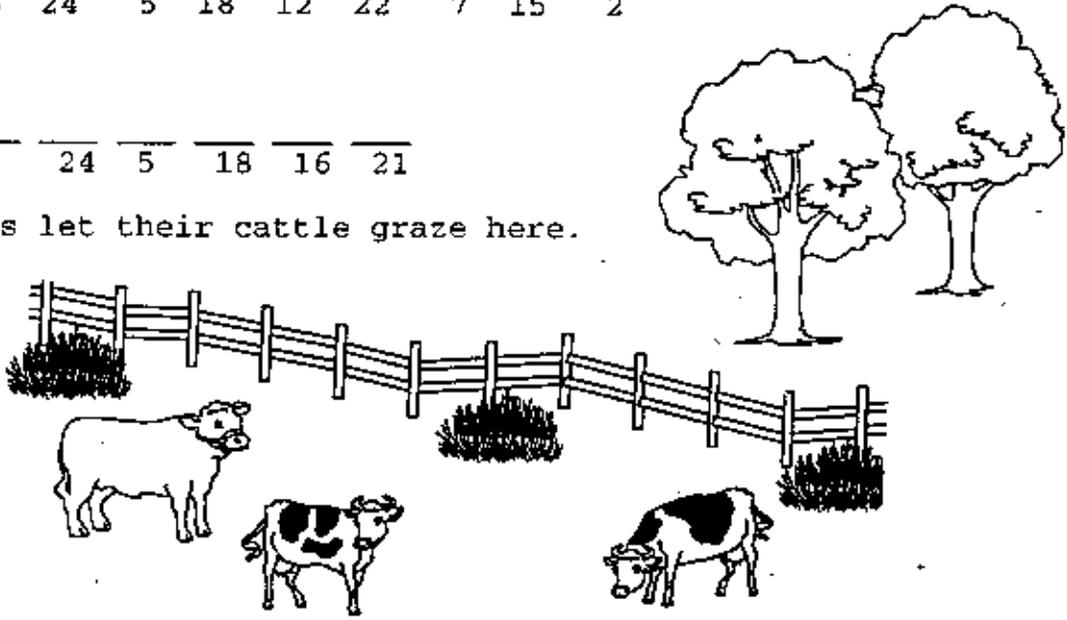
Name _____

New Mexico Agriculture

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
3	8	14	11	21	17	4	20	25	13	23	6	1	10	19	26
Q	R	S	T	U	V	W	X	Y	Z						
9	16	24	5	18	12	22	7	15	2						

26 3 24 5 18 16 21

Farmers let their cattle graze here.

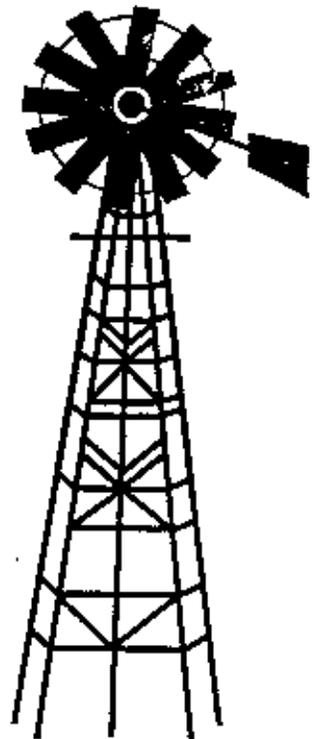
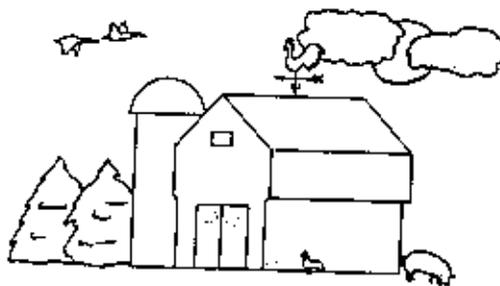


26 21 14 3 10 19 16 14 20 3 16 11

New Mexico is the nation's 3rd largest producer of this popular nut.

8 3 16 10

Milking takes place in this. It is also used to store feed.



22 25 10 11 1 25 6 6
Makes energy for farm use.

New Mexico Agriculture

Top Commodities in New Mexico

What is a commodity? Look the word up in the dictionary and define here:

Dairy production ranked number one in New Mexico in 2003, providing the largest cash intake. Raising beef cattle was second. Other top agricultural commodities in New Mexico are alfalfa, chile, pecans, onions, greenhouse nurseries, cotton, wheat, sorghum (a kind of grain), potatoes, corn, eggs, miscellaneous vegetables, peanuts, other livestock, and lettuce.

Unscramble these words found in the paragraph above.

MOIYDCTOM

CNSAEP

GSEEG

SNNIOO

FBEE ATCTLE

EHWAT

OTONTC

GROHUSM

IDYRA TECLAT

RCNO

LALAFAF

RENEGSHEUO USRENREIS

EHICL

VLSOKIETC

EAUSPTN

CUTEETL

GAESVELEBT



Name _____

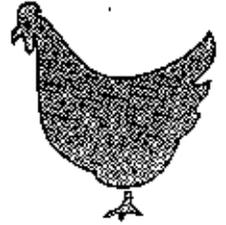
NEW MEXICO AGRICULTURE

Farming and Ranching in New Mexico

Farmers and ranchers in New Mexico grow many different crops and animals. List five (5) New Mexico grown products below:

Example: Chile

- 1.
- 2.
- 3.
- 4.
- 5.

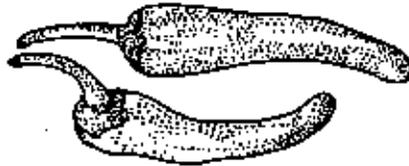


The crops and animals you listed above provide many different foods, clothes and other by-products (medicines, sports equipment, crayolas, etc.) for you!

List at least three (3) products provided by each:

Example: Chile

Salsa
ristras
red dye
animal feed



- 1.
- 2.
- 3.
- 4.
- 5.



NM Agriculture

Federal Lands



Millions of acres in the U. S. are public lands and these lands are for our use. The Bureau of Land Management (ELM) and Forest Service are Federal agencies responsible for the management of multiple use and sustained yield on these lands. New Mexico has many acres of public lands including 12 million acres of BLM, 9 million acres of Forest Service and 9 million acres of State Land.



If you took a long walk through these lands you would find many wonderful things. Public lands provide habitat for wildlife and recreational activities such as hunting, fishing, and hiking. These lands produce many goods and products to enrich the lives of all Americans. Coal, the nation's largest energy source, is mined on this land. Oil and gas from mineral leases help us reduce our dependence on foreign oil. The timber in the forests provides lumber to build our homes. Cattle and sheep graze the range land and provide us with food, clothing, and many other valuable products. The money received from these grazing, timber and mineral leases help support education and the cost of building our roads. This money is important to New Mexico's economy.



Ranchers have managed these lands for more than 5 generations. Ranchers provide water supplies which benefit all livestock and wildlife, break ice off the watering holes in the winter, provide salt and mineral blocks, and manage their animals to maintain a good grass supply.



Activity #1:

List something you could do when visiting public lands to show you care for this wonderful resource.

Activity #2:

Look up the word "economy." Write the definition here:

Activity #3:



COALBLMEEINGB
HIKINGOGMSOFN
NABXUZNPLKIO
TCBEEATTASTSG
TARIRSHEEPAHN
SHUNTINGRAEII
MINERALSZIRNZ
IOSCATTLESCGA
NREBMITOILEIR
GTWILDLIFERN

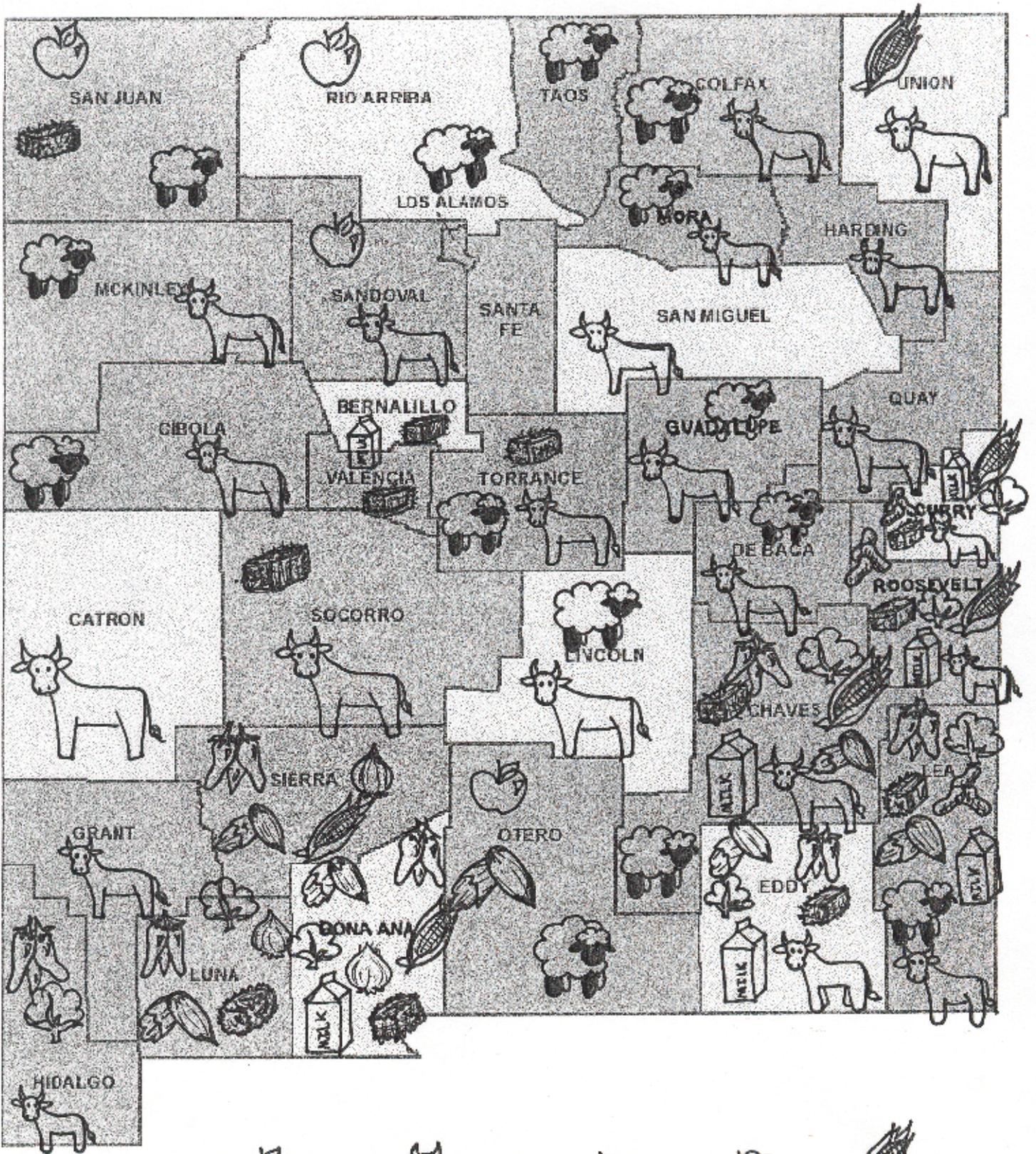
— Here are the words to look for —

wildlife	oil	coal	fishing	sheep
minerals	hiking	recreation	habitat	grazing
range	BLM	cattle	timber	hunting

Activity #4:

List the occupations of the students' parents in your class. Determine the relation of each occupation to the use of natural resources.

New Mexico Agriculture



What Am I?



Each part of the cheeseburger comes from a different source and follows an interesting path to your dinner table. Here are how some of those cheeseburger parts are processed. Can you name each cheeseburger part?

Name _____



1. First, my wheat is milled into flour. Next, the flour is mixed with yeast, water and other ingredients. The dough is baked in large ovens and then I'm packaged and placed on a shelf for sale.

What am I? _____



2. First, a culture is added to my milk to separate it into curds and whey. Next, the whey is poured off and the curds are pressed together. Flavorings or spices may be added. Then, the solid block is aged to allow the flavor to develop.

What am I? _____



3. First, my tomatoes are cooked into a sauce. Next, spices and flavorings are added. Then, I'm bottled and sent to the supermarket.

What am I? _____



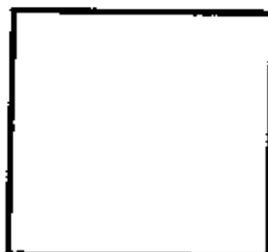
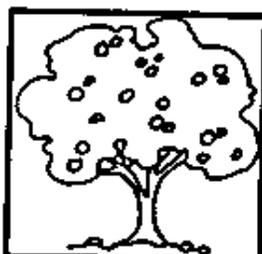
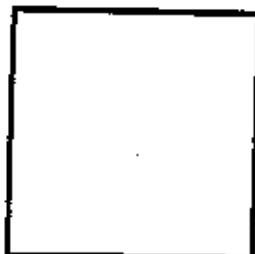
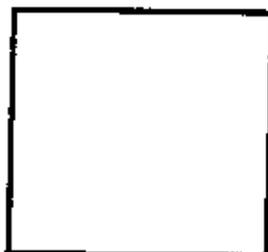
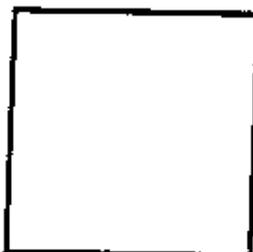
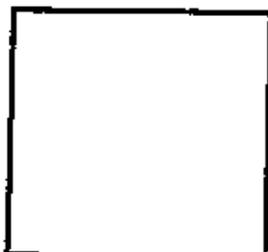
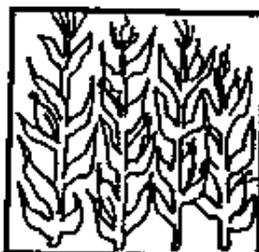
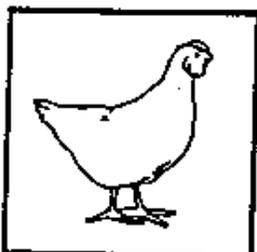
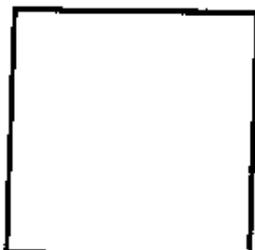
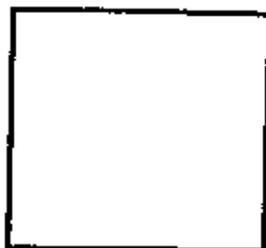
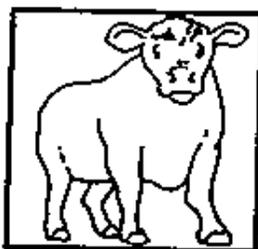
4. First, my soybeans are crushed to remove their oil. Next, the soybean oil is carefully mixed with eggs, spices and other ingredients to make a white topping you can spread with a knife. Then, I'm sealed in jars and sent to the supermarket.

What am I? _____

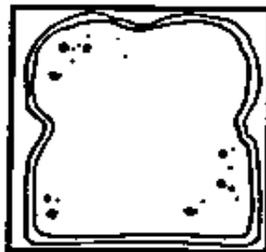
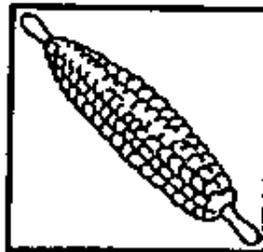
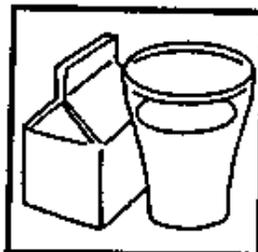
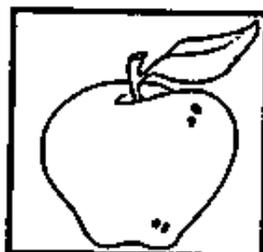
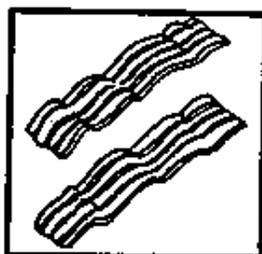
NAME _____

FOODS FROM PLANTS AND ANIMALS

Cut out the pictures of food at the bottom of the page. Paste the picture of the food in the empty box next to the picture of the plant or animal it came from.



Cut
squares
on
line



MATCH

Farm Products

Pig

Chicken

Cow

Cotton

Corn

Wheat

Sheep

Beef Cattle

Tomato

Soybeans

Store Products

Margarine

Tomato Juice

Hamburger

Wool Sweater

Flour

Corn Flakes

Blue Jeans

Milk

Eggs

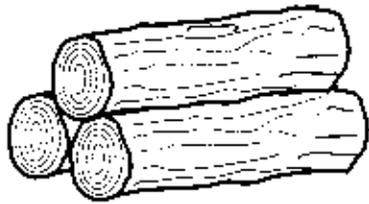
Ham

Agriculture is the Source

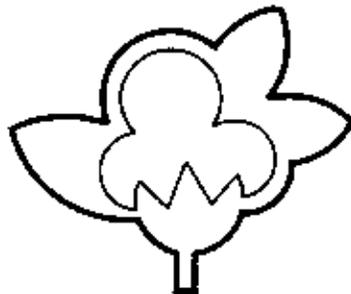


Under each drawing, make a list of things from the word bank made from each agricultural product. Some words will fit under more than one category.

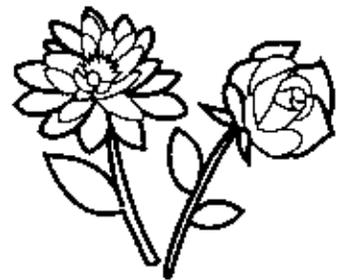
Name _____



Timber



Cotton



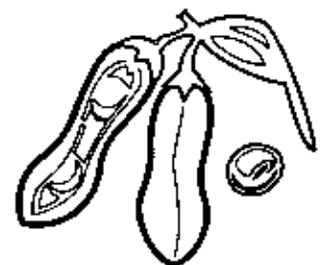
Horticulture



Dairy Cattle



Wheat



Soybeans

Word Bank

Blue Jeans, Spaghetti, Pencils, Mayonnaise, Paper, Cheese, Turpentine, Cereal, Yogurt, Flowers, Bread, Tofu, Soy Sauce, Turf Grass, Houses, Ice Cream, Shirts, Perfume

Agriculture Fills Your Cart!

When your parents go to the grocery store, they load up the shopping cart with food and other products that keep you fed and clothed and your house in good repair. To the right is an example of that shopping cart filled with many different items. Do you know where these products come from?

Below are the names of some things that are produced from farm products. In the blank spaces under each one, list items from the cart that are made from this product. (Some items are made from more than one ingredient.)



Corn

Wool

Beef

Wheat

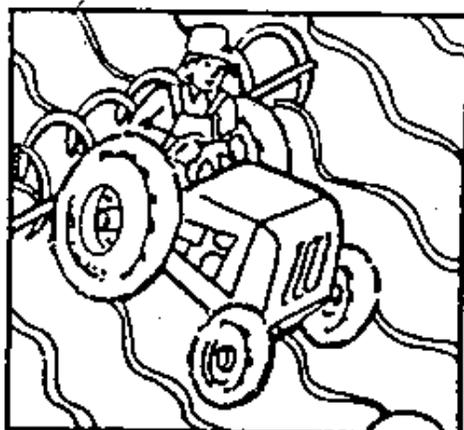
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

FROM SEED TO MARKET

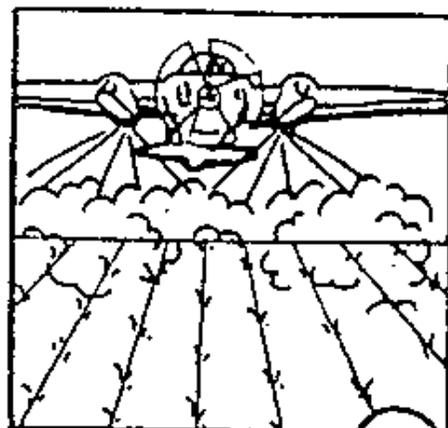
CROP FARMERS DO MANY THINGS TO GET FOOD TO YOU. THE PICTURES SHOW SOME OF THE THINGS A FARMER DOES TO PRODUCE A GRAIN CROP. PLACE A 1 UNDER THE PICTURE THAT SHOWS WHAT THE FARMER DOES FIRST. PLACE A 2 UNDER THE THING THE FARMER DOES NEXT. PLACE ALL THE PICTURES IN THE RIGHT ORDER FROM 3-9 UNDER THE REMAINING PICTURES.



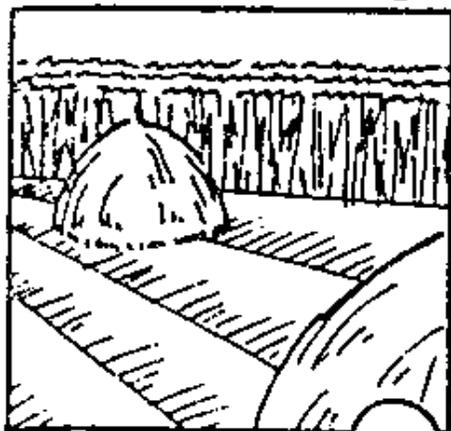
seeding



plowing



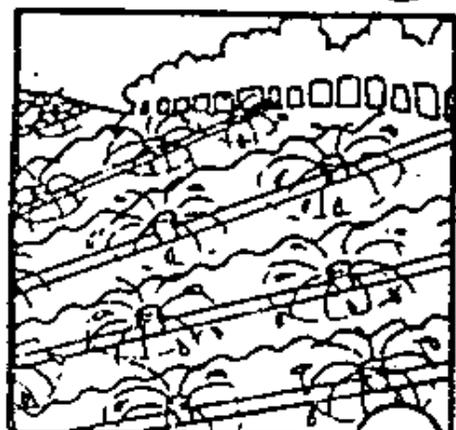
spraying for pests



harvesting



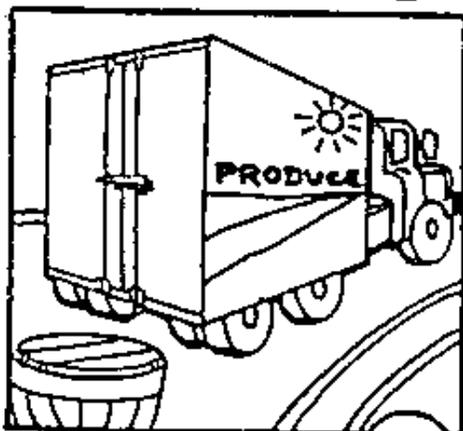
storing in silo or barn



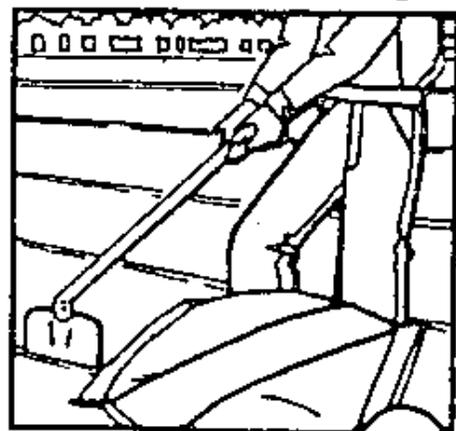
irrigating



cultivating



trucking to market



fertilizing



Name _____

Agricultural ABC's

Put each group of five words in alphabetical order on the lines next to each group.



Crops

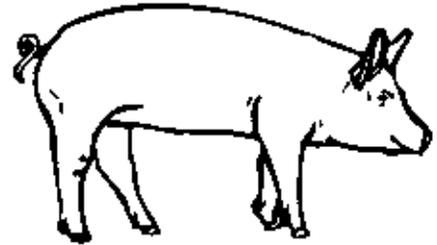
soybeans _____

wheat _____

corn _____

cotton _____

rice _____



Livestock

sheep _____

swine _____

poultry _____

beef cattle _____

dairy cattle _____



Horticulture

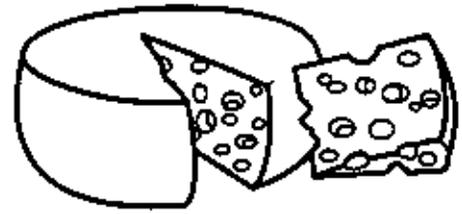
flowers _____

sod _____

apples _____

vegetables _____

trees _____



Dairy

yogurt _____

cheese _____

ice cream _____

butter _____

sour cream _____

A SCRAMBLED BREAKFAST

The foods we eat for breakfast come from farms both near and far. Break the code of these scrambled words to discover where breakfast foods are grown.

1. Two animals give us this breakfast pair. They start the day with an "oink" or a "cluck". What are these foods?

nbaoc dna gsge

2. This tasty drink started on a tree in sunny Florida or California.

ganoer cuije

3. People baked this food, but the main ingredient grew on a farm in the mid-west.

soatt

4. Mountains in South America or Africa were the home of this drink for grown-ups.

feceof

5. Many people like to sprinkle this on the food in number 3. It was grown in India, but made into this food in the U.S.A.

nocanmin

(cinnamon) McCormick Spice Co. of Baltimore grinds and packages many spices.

6. The main ingredient of this item was raised in orchards. Spread it on number 3.

pepal terbut

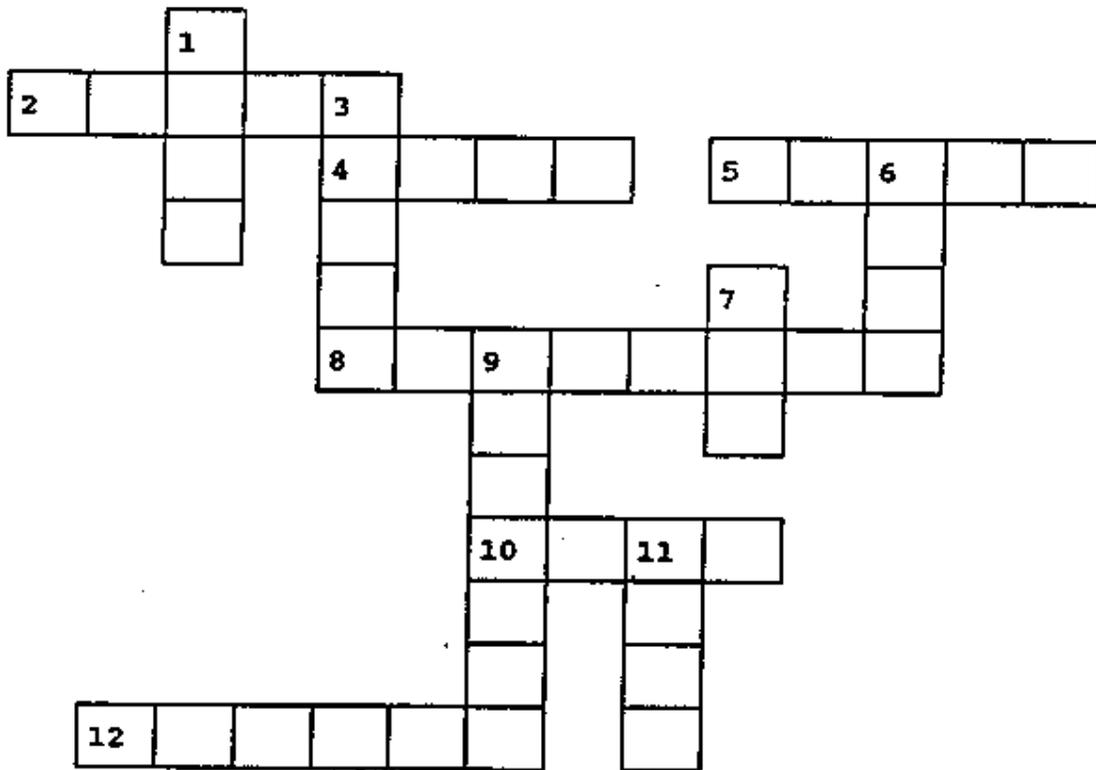
7. Contented cows give us these breakfast foods.

kmiif dna brutet

8. This crunchy breakfast-food was made in the Mid-West. Its main ingredient could come from corn.

norc slefak

FARM FUN



ACROSS

2. Apples, oranges, cherries and peaches all grow on _____.
4. Another name for pigs.
5. Bread is made from this grain.
8. French Fries are made from these.
10. A yellow vegetable that can be eaten on the cob.
12. The person who grows the food we eat.

DOWN

1. What is planted so crops will grow?
3. Wool comes from this animal.
6. Chickens lay _____.
7. This animal gives us milk.
9. A machine farmers use to pull heavy loads or to plow fields.
11. Water falling from the clouds to water crops.

New Mexico Agriculture

A N O F D T K I H O
B I X O J E O Y T Z
T F P O M I O M L G
G O O D K D C M A F
B C K Q F F Q U E O
S A L A D L Z Y H L
H R R W N A T A E M
Z M A N E C E X J L

SEEK & FIND

Circle these words:

FOOD

CALF

FARM

MEAT

COOK

GOOD

DIET

BARN

SALAD

MOO

HEALTH

YUMMY

FARMO

OBJECTIVE: Students learn to define at least 30 agricultural terms.

MATERIAL NEEDED: Farmo game sheet/word definition cards/marker or beans to cover squares for game.

INSTRUCTIONS: Students fill in each square with randomly chosen words from the definition cards. No word can be used more than once and every students card should be different.

WORD DEFINITIONS

Agriculture: The business of farming. Rasing crops and farm animals.

Soil: Earth which crops are planted in.

Bushel: A measure of wheat. 32 quarts.

Acre: A measure of land.

Conservation: Taking care of things like soil and clean water so that it isn't lost or destroyed.

Laying hen: A bird that gives us eggs we buy.

Crop: A large number of plants that are grown to sell.

Fertilizer: Something that is added to soil to help plants grow better.

Tractor: A farm machine used for many tasks.

Combine: A farm machine that harvests wheat and separates the kernels from the stalks.

Beef Cattle: Cattle that are raised and sold for meat.

Export: Something that is sold in another country.

Dairy Cattle: Cows that are raised for their milk.

Mature: Grown up. Ripe.

Harvest: Pick or gather a crop. The time of year when this is done.

Erosion: Wearing away or washing away soil.



AG CLASSROOM

P.O. Box 3924
Lacey, WA 98503

Seed: A small thing, produced by a plant, from which another plant can grow.

Stalk: The main stem of a plant.

Orchard: A farm where fruit trees are grown.

Pruning: Trimming the branches of a tree or bush so that it will grow better.

Planting: Putting things in the ground to grow.

Irrigation: Bringing water to the land for crops.

Plow: Turn over the earth to get it ready for planting seeds.

Grains: Plants like wheat or oats with seeds we can eat.

Poultry: Birds such as chickens that are raised for food.

Ranch: Kind of farm where cattle, sheep, or horses are raised.

Dairy Farm: Farm where cows are raised to give milk.

Hay: Grass that is grown and dried for animals to eat in the winter.

Nutrients: Things that are found in food that our bodies need.

Livestock: Farm animals.



AG CLASSROOM

P.O. Box 3924
Lacey, WA 98503

Name _____

F A R M O

		FREE		

Word List

agriculture
soil
bushel
acre
conservation
laying hen
crop
fertilizer
tractor
combine
beef

beef cattle
export
dairy cattle
mature
harvest
erosion
seed
stalk
orchard
pruning
planting

irrigation
plow
grains
poultry
livestock
ranch
dairy farm
farm
hay
nutrients



AG CLASSROOM

P.O. Box 3924
Lacey, WA 98503

Name _____ Date _____

WORD SEARCH

Search for and circle the following words, The words might be spelled forward, backward, top to bottom, or slanting.

- | | | | |
|------|----------|-------|--------|
| BEEF | OATS | BULL | BUTTER |
| SOIL | PASTURE | FOAL | GOAT |
| PIG | SOYBEANS | DUCKS | FARM |
| COW | FLOW | BARN | LAMBS |
| LARD | HAY | MEAT | FIELD |

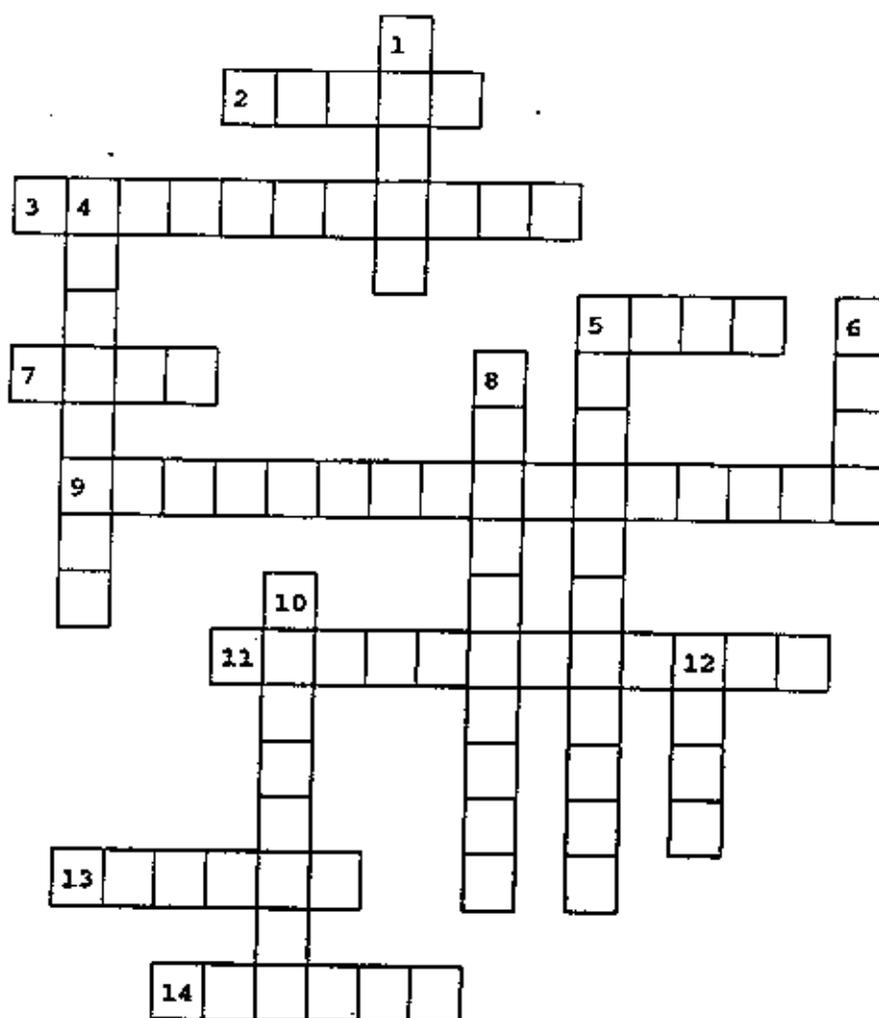


A S T A O F A R M C F J B F
 L I L N S C J V W H A Y M I
 A I R B O O H Q O I O R P E
 R Q O W F R D E L C F O A L
 D U T S K N G I P K V M S D
 R Y C M L P R R W E X E T W
 E Z A C A L F A A N A A U B
 T T R B M F G H B D O T R F
 T L T E B A U X T G S P E N
 U H C I S S K C U D K E G D
 B C S O Y B E A N S B U L L



Adapted from New York Division of The National Pork Council Women

CROSSWORD CULTIVATIONS



ACROSS

2. Spaghetti and other pastas are made from this grain.
3. The world we live in and the conditions we live under.
5. A measure of land equal to 43,560 square feet.
7. Beef is high in this nutrient.
9. America's first farmer President.
11. The science or art of cultivating fruits, vegetables, flowers and plants.
13. This crop came to the U.S. from Ireland.
14. You can get a drumstick, lunch meat, hamburger or white meat from this animal.

DOWN

1. 9 out of 10 people lived on these in 1787.
4. A substance found in fertilizers and manure that is needed to grow healthy plants.
5. The world's largest commercial industry which employs an estimated 21 million people.
6. This native crop helped the Pilgrims survive their first year in America.
8. These protect crops from unwanted weeds, bugs or fungi.
10. This is used to help keep track of financial records, bookkeeping, correspondence, etc. more and more in agriculture.
12. Acronym for the federal agency of agriculture.

more information, please contact Agriculture Council of America,

927 15th Street, N.W. Suite 800, Washington, D.C. 20005

FROM FARM TO YOU...

Can you find some of the things agriculture brings to you?

SHIRT	TURKEY	ORANGE JUICE	CEREAL
BREAD	NAPKINS	MILK	PEANUT BUTTER
JELLY	SALAD	GELATIN	ICE CREAM
HAMBURGER	LETTUCE	COOKIES	GREEN BEANS
TOMATO	CORN	SHOE LACES	TEDDY BEAR
APPLE	SUGAR	SWEATER	SPAGHETTI

J R L A G F S H I R T K M I H N F A R N P S
S E F R D P A E I L I J Y T R E D C F G E O
P T L A O R L F A S O S U G A R A W V C H R
A F D L A E A H Y T J G D E E H D E A S A A
G G E W Y A D G A P P L E T W C A L K L M N
H O G F C I V M S C T O T E P L E T D A B G
E I L N S C O E W S O U Y U I O O K L J U E
T C T A E T U R R E B R A Q H E F A K L R J
T E P P K H G K F T T N S B T E J I R G U
I C Y K Y U J K U N E U I O R R L T S E E I
J R T I O M I N A E D R I P E T E P W B R C
K E G N E T A I M I D K H C A D T U E L M E
G A F S B E E C I L Y E W C D T T M A J F D
P M L K P H G B L G B Y L I Y T U C T A O N
C H U N R C O O K I E S D W A E C O E N T M
P L E G E L A T I N A P Y H K R E C R O N T
L K H T F D V E A G R E E N B E A N S Y K L



ALMOST EVERYTHING STARTS ON A FARM

Every hour, every day, you come into contact with or use products which start with agriculture. The food you eat, many of the clothes you wear and almost anything you can think of is made up of things which must first be grown or cared for on a farm. Chemicals, soybean oils, cement, wood, meat, cheese, cotton and wool – almost everything starts on a farm!

Multiple Choice: Circle the correct letter.

- Which of these items start on a farm?
 - ink
 - glue
 - paper
 - soap
 - all of the above
- Which of these doesn't?
 - pencil
 - tee-shirt
 - gasoline
 - football
 - none of the above
- Which product does not grow in the U.S.?
 - rice
 - pineapples
 - redwood
 - cinnamon
 - mushrooms

Find the correct answers to fill in the blanks. Look in your science magazines, books and dictionaries – and ask your parents! If you think your answer is surprising, bring proof to show the class where you found it!

- A new bio-degradable plastic is made from _____. Until now, plastics have been made only from _____ products which pollute our world.
- Some kinds of inks, like the ink used for newspapers, come from _____. This product is also used in many food products, including frozen yogurt!

6. _____ is a motor fuel made from corn. The U.S. has plenty of corn, so the fuel could be inexpensive.
7. The outside of a baseball is covered in _____ and the inside is made with _____.
8. Fine Bone China is made from animals' _____.
9. Animals' _____ and _____ are used to make some kinds of glue.
10. Pine wood is inexpensive and popular to use because pine is _____ and grows more _____ than most woods.