

PUZZLE FUN





NEW YORK
AGRICULTURAL
STATISTICS SERVICE

NASS

Fact Finding for Agriculture

10B Airline Drive
Albany, New York 12235
Phone (518) 457-5570



New York State
Department of Agriculture
and Markets

10B Airline Drive
Albany, New York 12235
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www.agmkt.state.ny.

www.nass.usda.gov/ny/

U.S.D.A. National Agricultural Statistics Service

N.Y. Dept. of Agriculture and Markets, Division of Statistics

Dear Boys and Girls

New York farmers and their families grow a lot of the food we eat every day. They grow hundreds of different products each year including many of the good fruits and vegetables we enjoy. They also care for the cows which give us wholesome milk many of us, and others across the nation, drink.

By working on “Puzzle Fun”, we hope you become more aware of agriculture in New York and learn how important it is to the people who work hard to produce our food. I hope you enjoy playing the games and coloring the pictures in this booklet. **For more information on Agriculture visit the Education and Outreach section on the web at: http://www.nass.usda.gov/Education_and_Outreach/index.asp**

To learn more about agriculture in New York visit these two web sites:

New York State Department of Agriculture and Markets: <http://www.agmkt.state.ny.us>

New York Agricultural Statistics Service: <http://www.nass.usda.gov/ny>

If you have a question, please send it to me at: nass-ny@nass.usda.gov

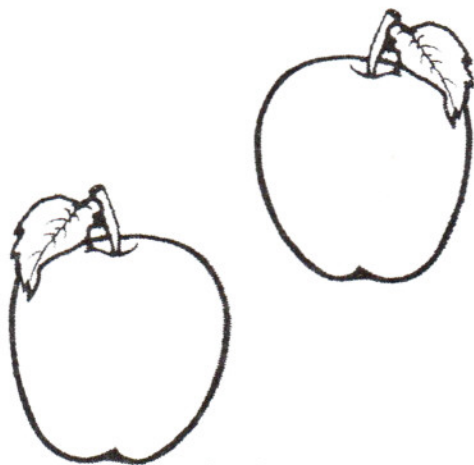
Stephen C. Ropel

Stephen C. Ropel
State Statistician

New York AGRICULTURE



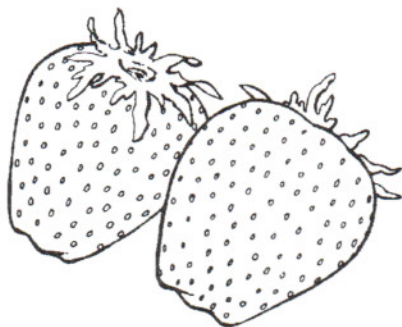
What do you think of when you hear the word “**agriculture**”? The image of crops growing in a field or a barnyard full of animals may come to mind. But even if you don’t live on a farm, agriculture is all around you. By playing the games and coloring the pictures in this book you will learn about crops and animals produced in New York.



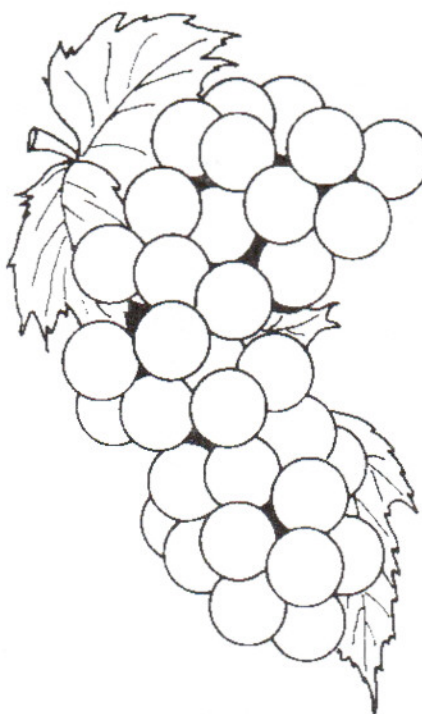
Apples



Blueberries



Strawberries



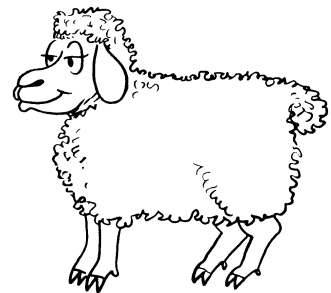
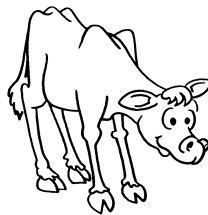
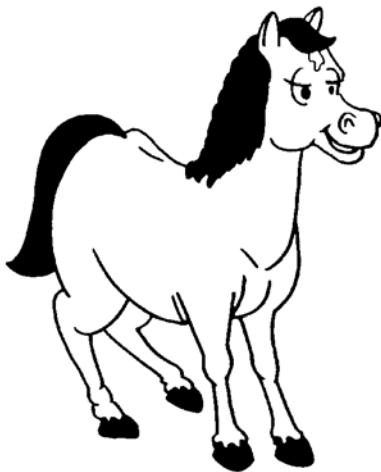
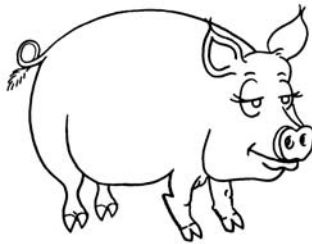
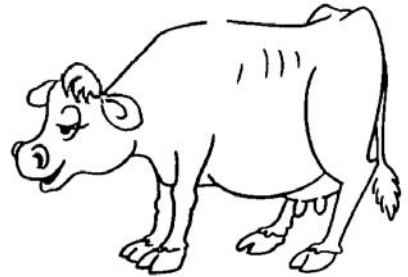
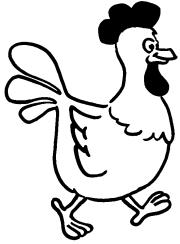
Grapes



Cherries

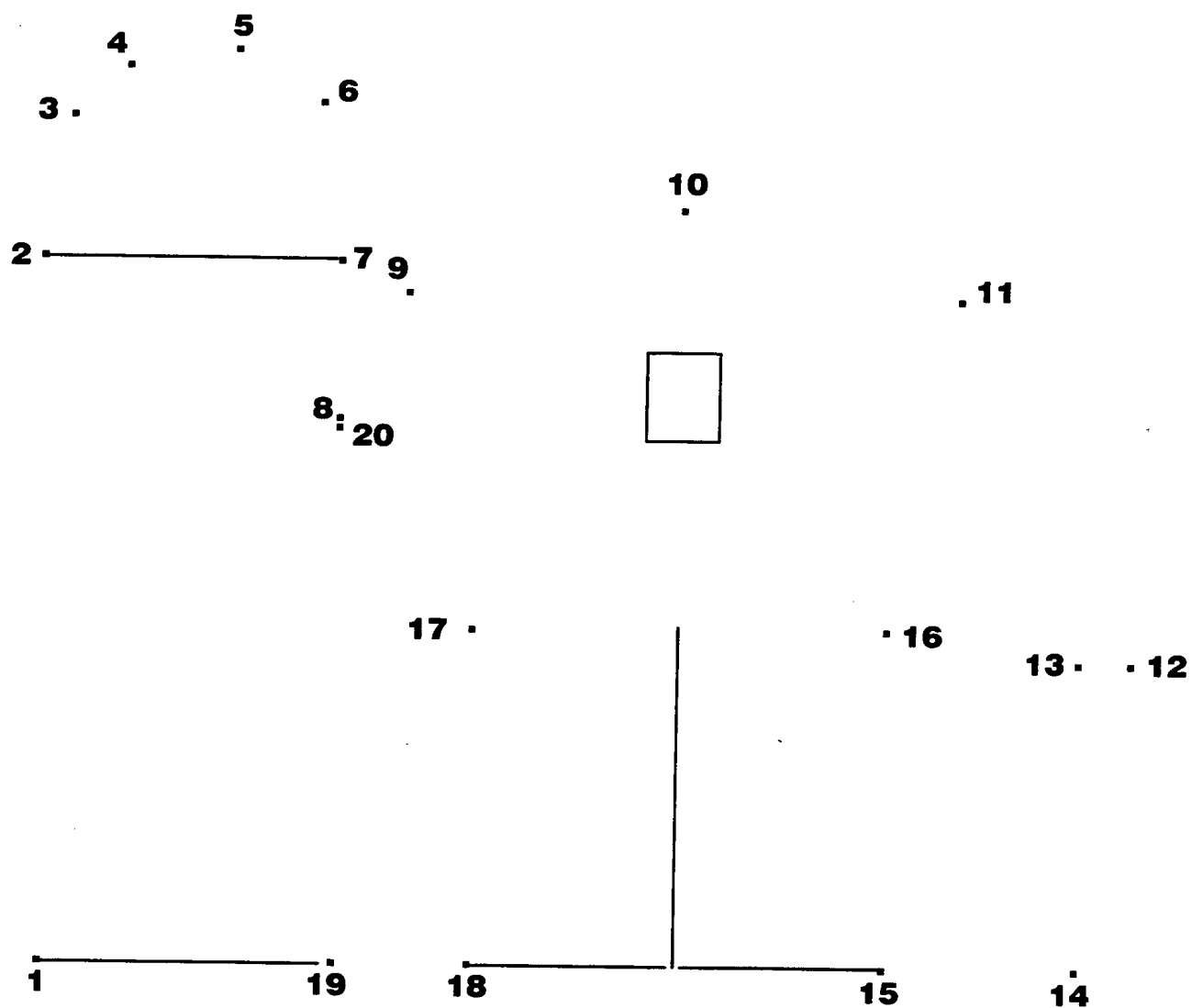
COLOR THE FRUITS GROWN IN NEW YORK

BARNYARD FUN

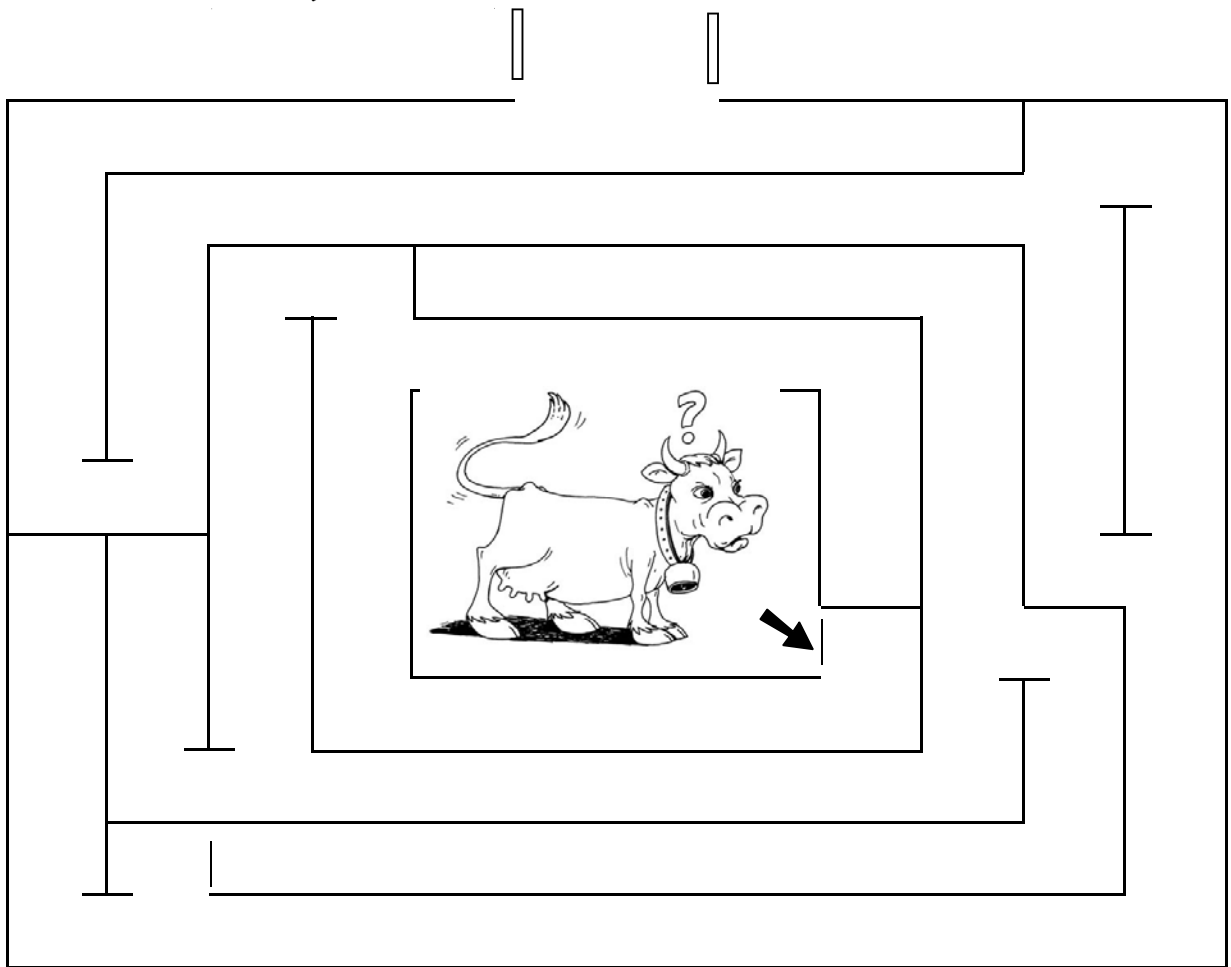


MAMA, WHERE ARE YOU?

The babies are looking for their mothers! Help them out by drawing a line from each baby farm animal to its mother.

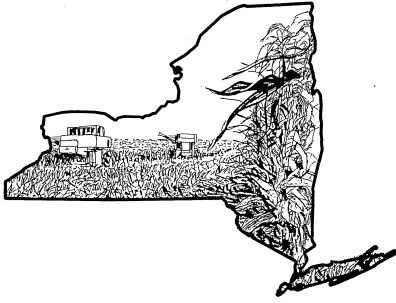


IT'S FEEDING TIME

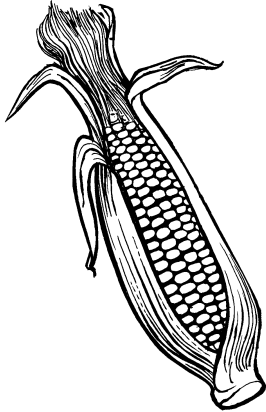


A New York milk cow drinks about a bathtub full of water, eats about 40 pounds of feed and a bale of hay every day! A single milk cow gives nearly 200,000 glass of milk in her lifetime.

Help the cow find her way to the barn



New York farmers grow many fruits and vegetables. Draw a line from the word to the picture of the fruit or vegetable.

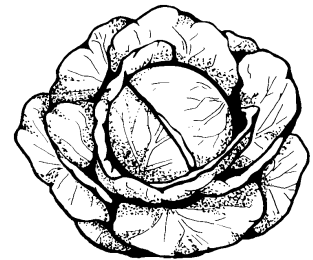


STRAWBERRIES



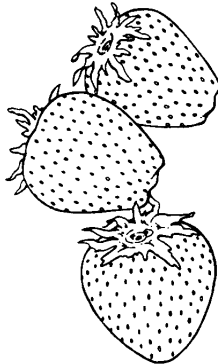
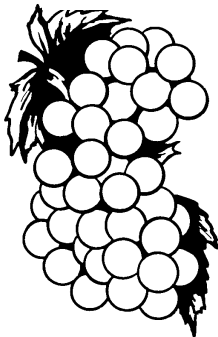
TOMATO

ONIONS



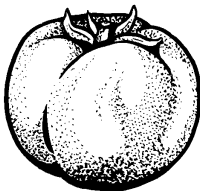
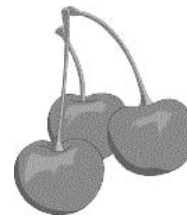
APPLE

CABBAGE



GRAPES

CARROTS



CHERRIES

SWEET CORN

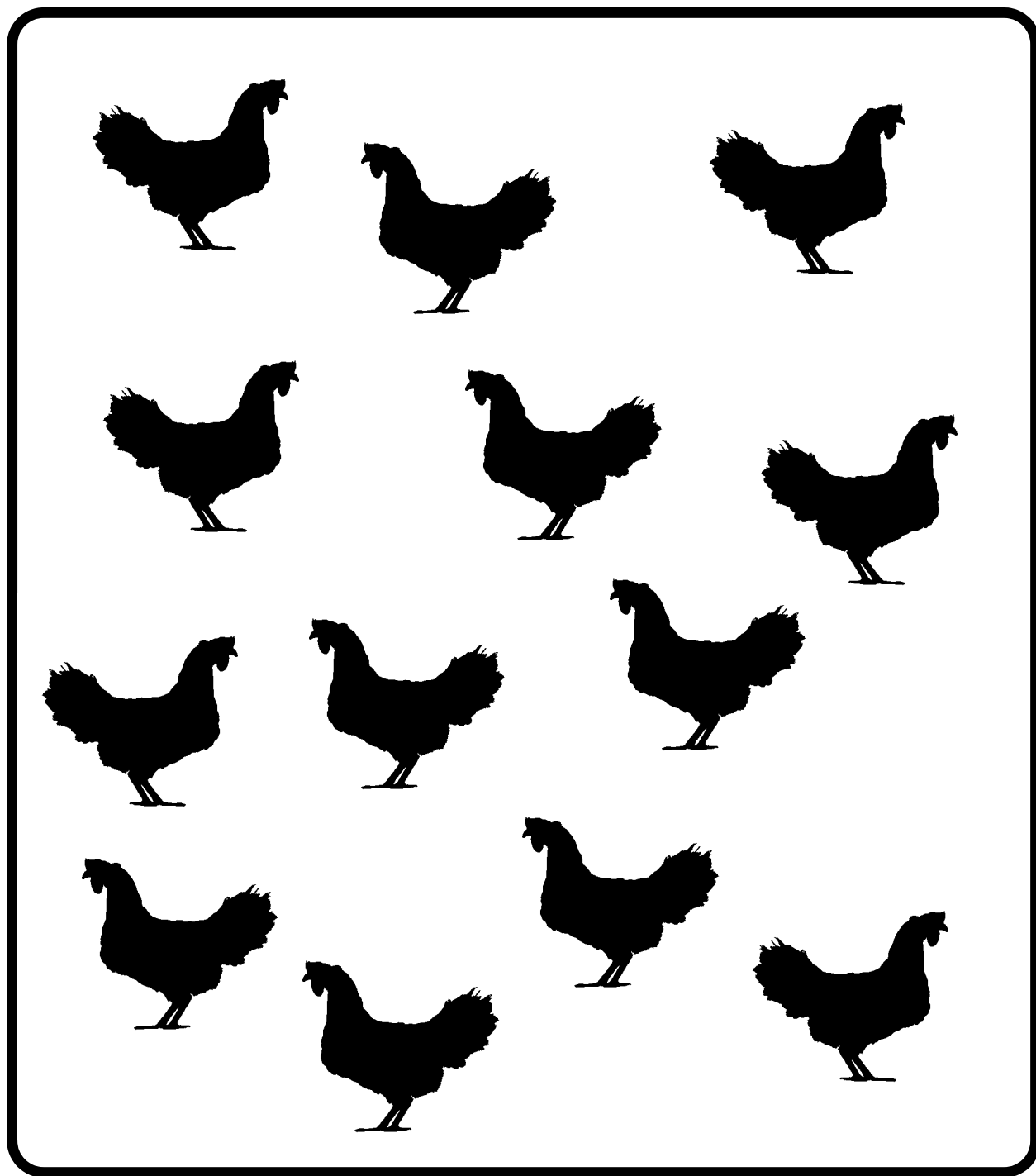


WHAT'S THE SCOOP?

Which ice cream cone is different



New York dairy farms produce about 1.4 billion gallons of milk every year. It takes 2 gallons of milk to make 1 gallon of ice cream.

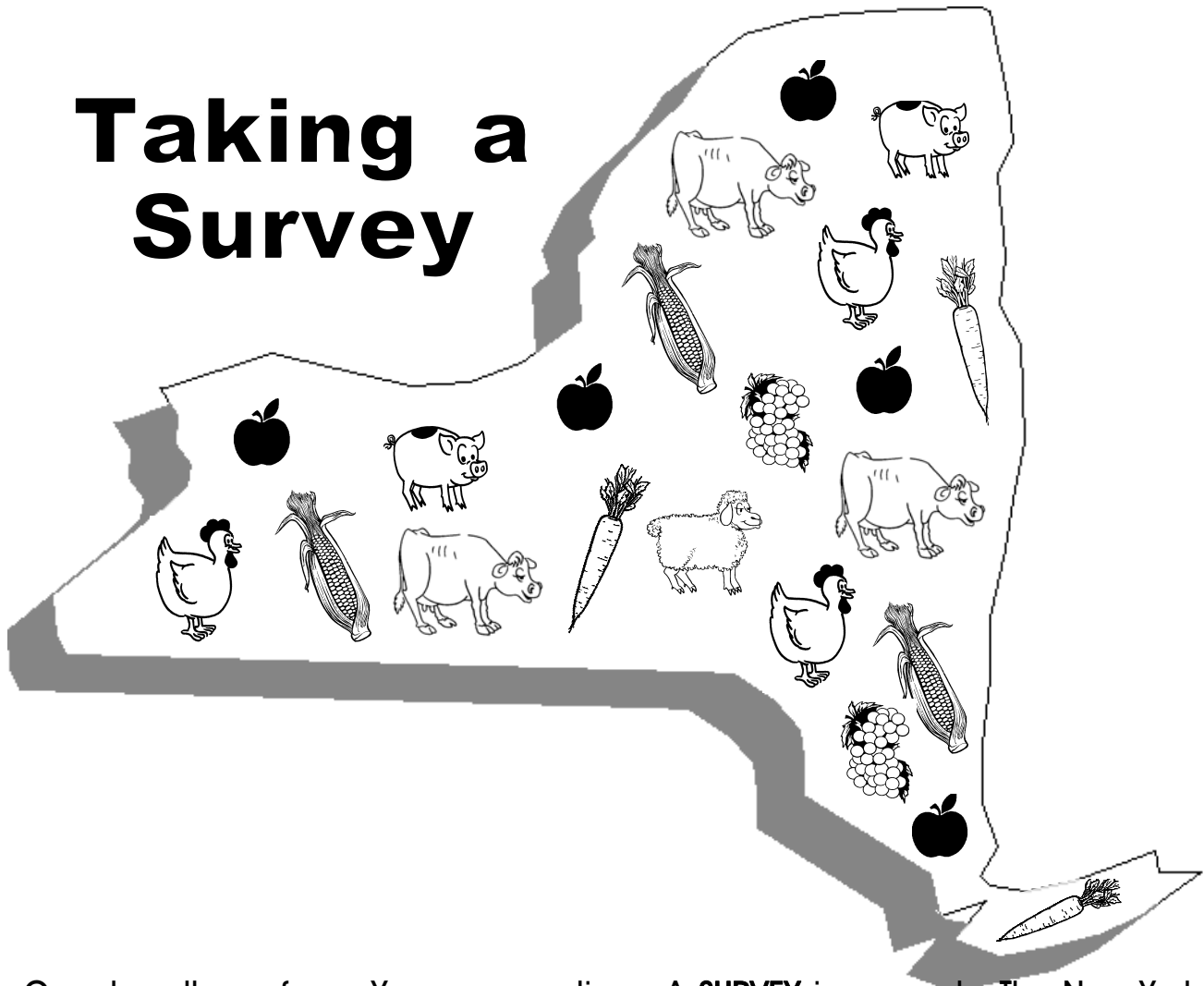


Count the Chickens

How many chickens are looking left? _____

How many chickens are looking right? _____

Taking a Survey



One, two, three, four. You are counting. A **SURVEY** is a count. The New York Agricultural Statistics Service counts livestock (*cows, pigs, sheep, chickens*) and crops (*corn, oats, wheat, potatoes, onions, fruits, vegetables*).

We need counts of livestock and crops. A survey answers big questions. Can you count the animals and crops on the map?

Livestock

How many cows do you see? _____

How many chickens do you see? _____

How many pigs do you see? _____

How many sheep do you see? _____

Crops

How many apples do you see? _____

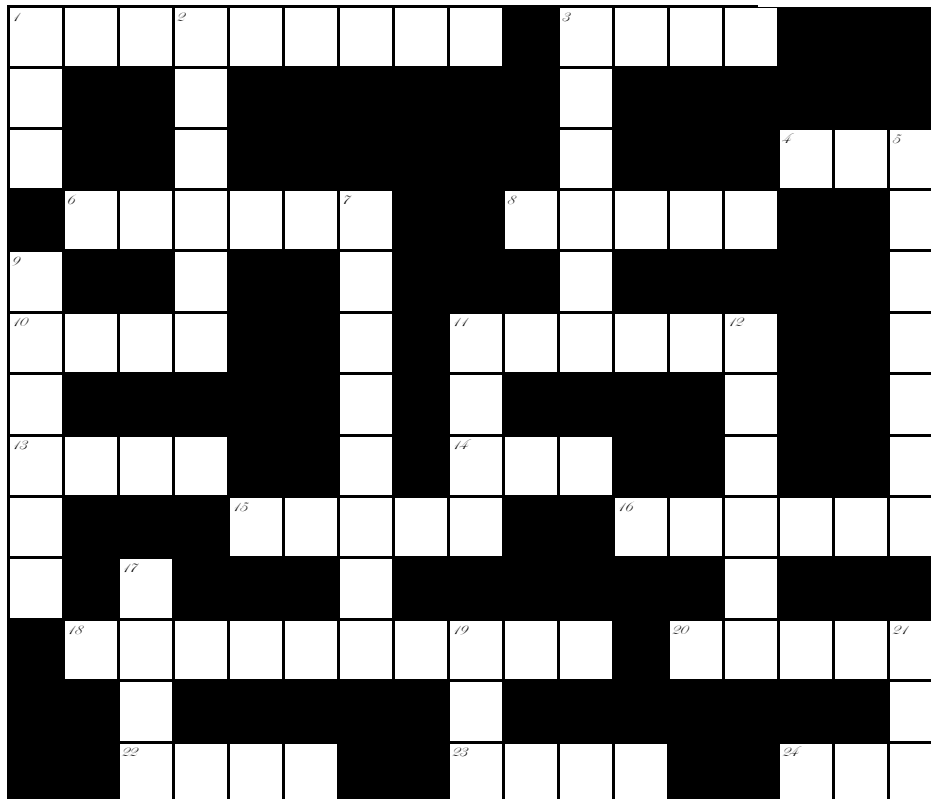
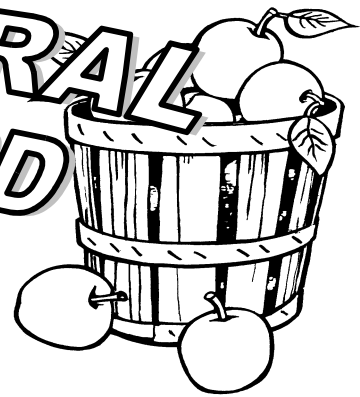
How many grapes do you see? _____

How many ears of corn do you see? _____

How many carrots do you see? _____



AGRICULTURAL CROSSWORD PUZZLE



ACROSS

1. Oleo.
3. A baby cow or bull.
4. Where milk comes from.
6. Red fruit that grows on trees.
8. A freshwater fish in the salmon family.
10. A small grain popular for its use in cereal.
11. Cows and bulls on a farm or ranch.
13. 43,560 square feet.
14. _____ bread.
15. A single small hard seed.
16. A cow that has not had a calf yet.
18. A product used with pancakes, waffles, etc. (2 words)
20. Baked _____.
22. A male cattle.
23. A female horse.
24. A spout that is inserted into a maple tree.

DOWN

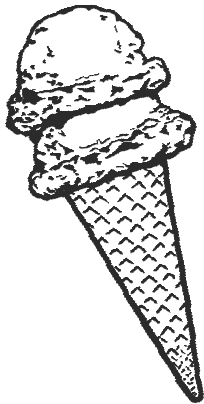
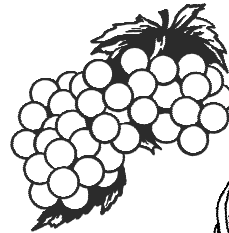
1. The sound a cow makes.
2. A purple or green fruit that grows on a vine in clusters.
3. Bugs Bunny's favorite food.
5. Rain, snow, sunshine, sleet, etc.
7. A legume whose seeds are used to make oil, flour and meal.
9. A spud.
11. _____ on the cob.
12. Horse
17. Mary had a little _____.
19. Ewe's mate.
21. Maple syrup is made from _____.



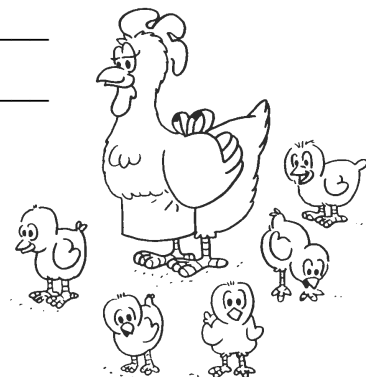
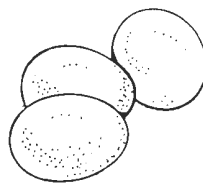
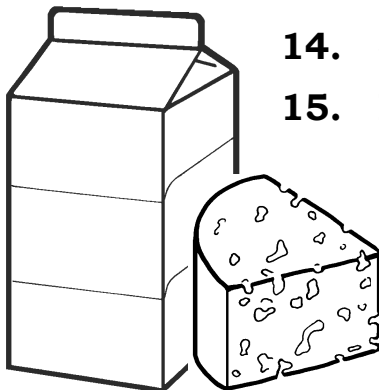
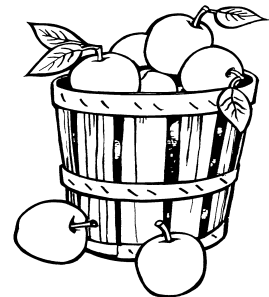
SCRAMBLED!

Word Game

WHAT NEW YORK PRODUCTS ARE HIDDEN IN THESE WORDS?



1. GESG _____
2. CRON _____
3. LIMK _____
4. YPTOLUR _____
5. SEECHE _____
6. GRASPE _____
7. LEPAPS _____
8. ROCRAST _____
9. LAPME _____
10. SHORE _____
11. ESRO _____
12. OTTOMA _____
13. CEI RAMCE _____
14. SEHEP _____
15. FEBE _____



MATCHING

Match the products in column 1 with the animal or crop they came from in column 2. The items in column 2 may be used more than once.

Column 1

1. bacon _____
2. milk _____
3. spaghetti sauce _____
4. egg _____
5. cornmeal _____
6. peanut butter _____
7. pork chops _____
8. flour _____
9. beef _____
10. cider _____
11. wool sweaters _____
12. french fries _____
13. jelly _____

Column 2

- a. chicken
- b. cow
- c. pig
- d. corn
- e. apples
- f. wheat
- g. grapes
- h. potatoes
- i. sheep
- j. peanuts
- k. tomatoes



Trivia Quiz

Test your knowledge of Agriculture Trivia.
Can you pick the right answer out of the choices given?

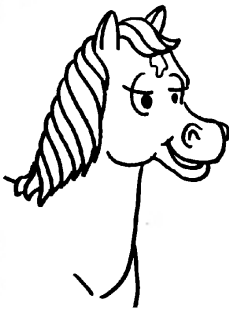
Color in a circle to make your choice for each question.

1. Which is the correct term to describe a group of geese in the air?
 - ☐ gaggle
 - ☐ skein
 - ☐ herd
2. How many flowers must a bee collect nectar from in order to make one tablespoonful of honey?
 - ☐ 60 flowers
 - ☐ 500 flowers
 - ☐ 2,000 flowers
3. What is the longest recorded flight time of a chicken?
 - ☐ 13 seconds
 - ☐ 0 seconds
 - ☐ 30 seconds
4. Who invented the cotton gin?
 - ☐ Eli Whitney
 - ☐ Thomas Edison
 - ☐ John Deere
5. Which vegetable is a member of the daisy family?
 - ☐ tomato
 - ☐ lettuce
 - ☐ cucumber
6. What is a female pig who has produced offspring called?
 - ☐ piglet
 - ☐ sow
 - ☐ boar
7. Which state in the USA is the leading producer of apples?
 - ☐ Washington
 - ☐ New York
 - ☐ Maine
8. The average garden variety caterpillar has this number of muscles in its head.
 - ☐ 2000
 - ☐ 248
 - ☐ 832

Word Search

Find the following words in the word find puzzle below. Circle each word that you are able to

find. Words may be found forward and backward (horizontally, vertically, and diagonally).



apple	cheese	maple	potatoes
barley	chicken	milk	tomato
beef	corn	onions	sheep
cabbage	cow	pears	strawberries
carrots	eggs	peas	soybeans
cauliflower	grapes	pig	wheat

```

s t r a w b e r r i e s t a s
g r a p e s x y s h e e p z o
o e c v e g e t a p p l e b y
r c n a e f g w h e p l m r b
n a t s r n f l a c h e e s e
m u u r u r l s s c w a v p a
e l m s y s o r g h u m s e n
a i l d s b u t h i e f e a s
l f k e l p a m s c g c o r n
z l v a g a z u c k m f t s l
e o w h e a t l b e e f a o p
g w t c w s t k a n n o t u s
a e l o a a o b r j e o o n g
b r c e z i m c l d g l p t g
b x p i g k a p e u i o g n e
a h w l x l t i y m k l i m s
c v e d c b o n i o n s o r r
    
```

NEW YORK FARM QUIZ



1. **WHAT IS NEW YORK'S LEADING AGRICULTURAL PRODUCT?**
 - a. Apples
 - b. Potatoes
 - c. Milk
 - d. Vegetables
2. **NEW YORK RANKS _____ IN THE NATION IN APPLE PRODUCTION.**
 - a. First
 - b. Tenth
 - c. Fifth
 - d. Second
3. **MILK PRODUCED IN NEW YORK HAS A VALUE OF ALMOST \$ _____ PER YEAR.**
 - a. 2 million
 - b. 20 million
 - c. 2 billion
 - d. 20 billion
4. **WHAT PERCENT OF THE STATE'S LAND IS FARMLAND?**
 - a. 5
 - b. 20
 - c. 23
 - d. 50
5. **NEW YORK RANKS _____ IN THE NATION IN CABBAGE PRODUCTION.**
 - a. First
 - b. Second
 - c. Third
 - d. Fifth
6. **GRAPE PRODUCTION IS VALUED AT ALMOST \$50 MILLION. ONLY _____ STATES PRODUCE MORE GRAPES THAN NEW YORK.**
 - a. 1
 - b. 2
 - c. 3
 - d. 4
 - e. 5

7. **MAPLE SYRUP PRODUCTION IN NEW YORK USUALLY RANKS _____ HIGHEST IN THE NATION.**
a. 2nd
b. 3rd
c. 5th
d. 10th
8. **THERE ARE ALMOST _____ FARMS IN NEW YORK.**
a. 5,000
b. 20,000
c. 40,000
d. 100,000
9. **POTATOES PRODUCED IN NEW YORK ARE VALUED AT ABOUT \$ _____ PER YEAR.**
a. 10 thousand
b. 3 million
c. 50 million
d. 80 billion
10. **SWEET CORN IS AN IMPORTANT CROP GROWN IN NEW YORK. ONLY _____ STATES NORMALLY PRODUCE MORE.**
a. 1
b. 3
c. 5
d. 10
11. **NEW YORK FRUIT AND BERRY PRODUCERS RANK _____ LARGEST IN THE UNITED STATES.**
a. 3rd
b. 6th
c. 8th
d. 15th
12. **THE VALUE OF VEGETABLES PRODUCED IN NEW YORK PLACE IT _____ AMONG ALL STATES.**
a. 2nd
b. 4th
c. 5th
d. 6th
13. **FLORICULTURE PRODUCTION IN NEW YORK MAKES IT THE _____ MOST IMPORTANT STATE.**
a. 1st
b. 3rd
c. 7th
d. 10th
14. **THERE ARE HOW MANY EQUINE IN NEW YORK STATE? _____**
a. 50,000
b. 168,000
c. 220,000
d. 500,000
15. **THE AVERAGE VALUE OF NEW YORK EQUINE IS OVER _____ DOLLARS PER HEAD.**
a. 2,000
b. 4,000
c. 10,000
d. 20,000

DAIRY

Word Scramble



Hey Kids, Dairy foods are very important to our health. They provide us with valuable nutrients, like calcium. Unscramble the words below to spell out your favorite dairy products.

echese:

c e s e

limk:

i k

cie emrac:

i e r e m

tubtrelimk:

u t r i

zizpa:

i z

gyotur:

o u t

rsou merac:

u r e

etoatgc eheces:

c t t g e c e s e

etutbr:

b t r

sheece keac:

c e s c k

SECRET WORD

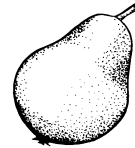


WOLRCLAUIFE

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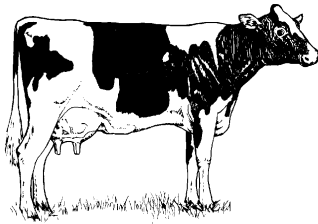
RTAOCTR

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GEG

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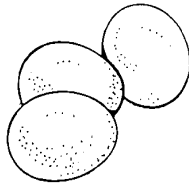
ASRTCOR

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APRES

--	--	--	--	--



KWMOICL

--	--	--	--	--	--	--




Unscramble the letters to make each word. Take all the letters in the black boxes and unscramble them to find the person who produces our food in New York.

Kids Jokes





 : Where do milkshakes come from?

 : Excited cows!


 : What do you get if you cross a steer with a tadpole?

 : A bullfrog!

 : What is a spider's favorite food at a picnic?

 : Corn on the cob-web!

 : What is a potato's favorite game?

 : Spud!

 : What do you get if you cross a parrot and a centipede?


 : A walkie talkie!

 : Why were the little strawberries upset?

 : Because their parents were in a jam!

 : Why are skunks always arguing?

 : Because they like to raise a stink!

 : Why did the chicken cross the road, roll in the mud and cross the road again?

 : Because he was a dirty double-crosser!

 : Why did the pigs cross the road with their laundry?


 : They wanted to do their hogwash!

 : What do you get if you cross a bumble bee with a door bell?

 : A humdinger!

 : How do you change a pumpkin into another vegetable?

 : You throw it up in the air and it comes down squash!

 : What do you call a crate of ducks?

 : A box of quackers!



Homemade Ice Cream

1 cup Milk
1 cup (8 oz.) Whipping Cream
 $\frac{1}{2}$ cup Sugar
 $\frac{1}{4}$ teaspoon Vanilla
1 one-quart Zip-Lock Bag
1 one-gallon Zip-Lock Bag
Rock Salt
Ice

- 1) Combine all ingredients in a one-quart Zip-Lock bag and seal.
- 2) Place the one-quart bag into a one-gallon Zip-Lock bag.
- 3) Fill with ice and some rock salt.
- 4) SHAKE!!!

Enjoy!!!

Answer Sheet

Count the Chickens

Chickens looking left 7
Chickens looking right 6

Taking a Survey

Livestock

Number of cows 3
Number of chickens 3
Number of pigs 2
Number of sheep 1

Crops

Number of apples 5
Number of grapes 2
Number of ears of corn 3
Number of carrots 3



1. eggs
2. corn
3. milk
4. poultry
5. cheese
6. grapes
7. apples
8. carrots
9. maple
10. horse
11. rose
12. tomato
13. ice cream
14. sheep
15. beef



1. skein
2. 2,000
3. 13 seconds
4. Eli Whitney
5. lettuce
6. sow
7. Washington
8. 248



1. c
2. b
3. k
4. a
5. d
6. j
7. c
8. f
9. b
10. e
11. i
12. h
13. g

DAIRY

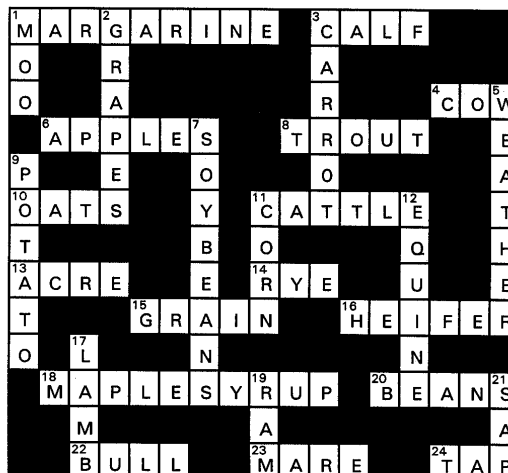
Scramble Word

cheese
milk
ice cream
buttermilk
pizza
yogurt
sour cream
cottage cheese
butter
cheese cake

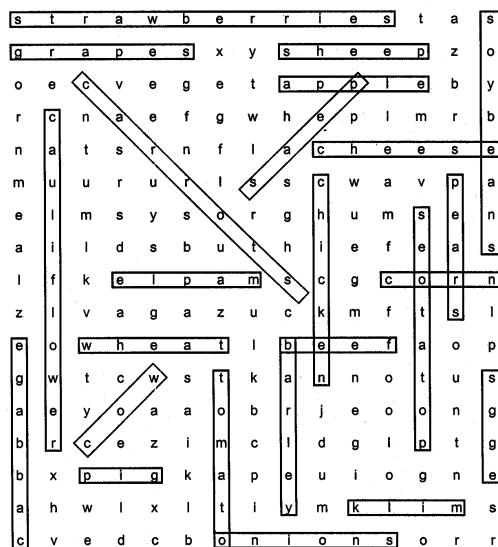


Farmer

AGRICULTURAL CROSSWORD PUZZLE



Word Search



NEW YORK FARM QUIZ

1. C
2. D
3. C
4. C
5. A
6. B
7. A
8. C
9. C
10. B
11. B
12. C
13. C
14. B
15. B



Fun on the Internet!

- ☺ **Ask your parents if you may use the Internet.**
- ☺ With their help or supervision, go to: http://www.nass.usda.gov/Education_and_Outreach/index.asp
- ☺ Once you get there, use the different links to answer the questions below.
- ☺ When you are done, fill out the information on the back.
- ☺ Fold this page up as directed, seal it with tape, add a stamp, and mail it!
- ☺ If your answers are correct, we will send you a certificate in the mail! Good Luck!

- 1) What does NASS stand for? _____

- 2) What does NASS do? _____

- 3) What is statistics? _____

- 4) Which types of charts do statisticians use? _____

- 5) When was the first agricultural survey conducted? _____

- 6) Which president established the U.S. Department of Agriculture? _____

- 7) Find the New York homepage.
Name one interesting fact that you learned about NY agriculture.



Please fill out the following so that we can send your certificate to you:

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Number: __ (____) _____ - _____ Age: _____

Do you live on a farm? Yes ☐ No ☐

What is the name of your farm? _____

(fold this flap in first)

New York Agricultural Statistics Service
10B Airline Drive
Albany, New York 12235-0001

Place
Stamp
Here

Name _____
Address _____
City _____
Zip _____

Thank you for your
participation!

(fold this flap last and seal with tape)



New York Agricultural Statistics Service
New York Field Office
10B Airline Drive
Albany, New York 12235
Phone: 1-800-821-1276
518-457-5570
E-Mail: nass-ny@nass.usda.gov

INTERNET ADDRESSES

**Visit the Education and Outreach page on the NASS website
for more information on Agriculture**

http://www.nass.usda.gov/Education_and_Outreach/index.asp

NEW YORK AGRICULTURAL STATISTICS SERVICE

Home Page <http://www.nass.usda.gov/ny/>

NASS (National Agricultural Statistics Service)

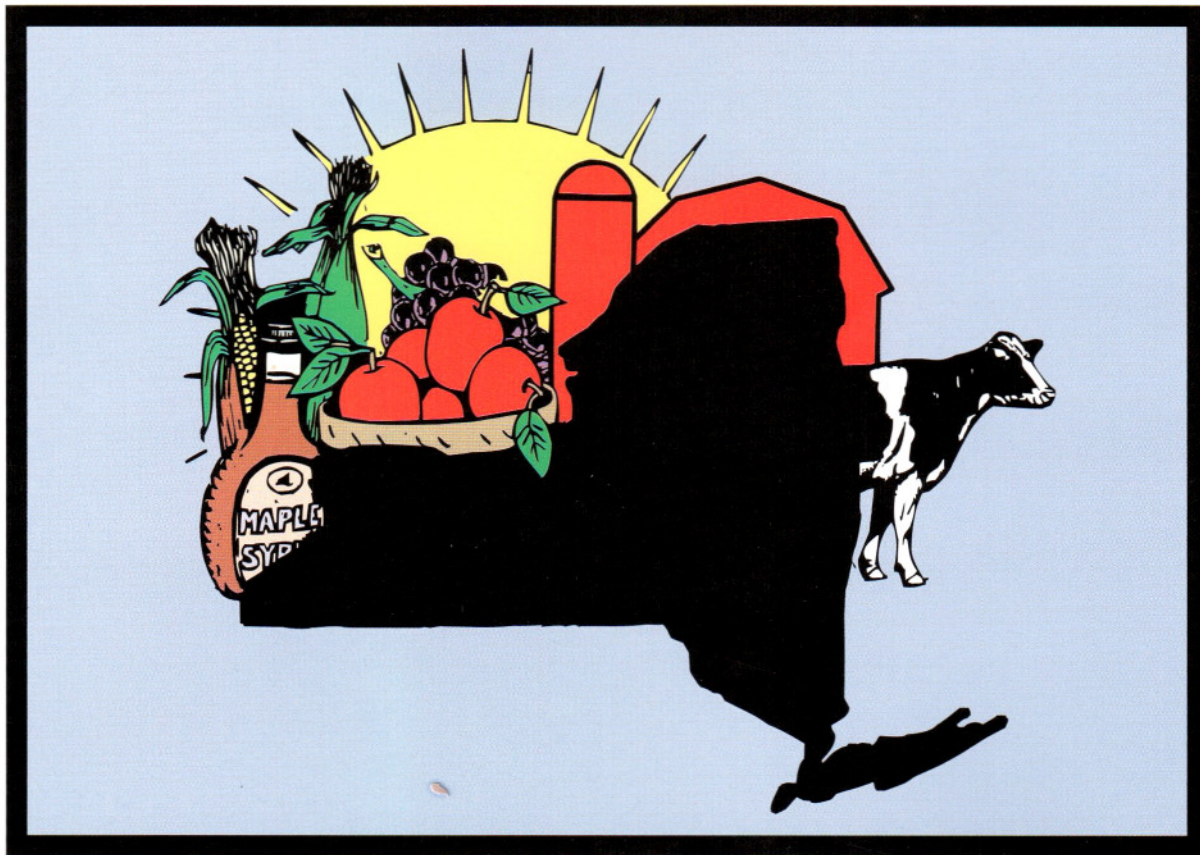
Home Page <http://www.nass.usda.gov/>

NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS

Home Page <http://www.agmkt.state.ny.us/>

USDA (United States Department of Agriculture)

Home Page <http://www.usda.gov/>



**NEW YORK
FIELD OFFICE**

**Fact Finding
for Agriculture**

**10B Airline Drive
Albany, New York 12235
www.nass.usda.gov/ny/**