Adventures in Michigan Agriculture
3-5 ACTIVITY BOOK
AN INTRO TO MICHIGAN AGRICULTURE FOR GRADES 3-5

Michigan farmers grow a variety of commodities all over the Great Lakes State! Michigan ranks #1 in the nation for the following: Dry Black and Cranberry Beans, Begonias, Blueberries, Tart Cherries, Pickling Cucumbers, Easter Lilies, Geraniums, Low Fat Ice Cream Mix, Impatiens, Petunias, and Squash. Michigan also grows more than 300 commodities total which makes us #2 in the nation for being the most agriculturally diverse!

This activity book is full of worksheets for grades 3-5; each lesson focuses on one of the following commodities: GRAIN CROPS, FRUITS AND VEGETABLES, HONEY, EGGS, DAIRY, PIGS, SHEEP, FLORICULTURE, CHRISTMAS TREES

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Placing the Seed

WHAT DO THESE CROPS BECOME?

Michigan farmers raise corn, soybeans, and wheat. Products we use every day are made from these grains. The items listed below are made from either corn, soybeans, or wheat!

Can you find all of these items in the word search? One has been done for you.

**Word Bank**

**Corn**
- Ethanol
- Popcorn
- Corn syrup
- Corn starch
- Tacos
- Gum

**Soybeans**
- Baby food
- Crayons
- Shampoo
- Tofu
- Pet food
- Plastic

**Wheat**
- Flour
- Bread
- Cereal
- Pizza crust
- Pasta
- Cookies

Farmers harvest around 5 million acres of corn, soybeans, and wheat every year in Michigan. One acre is about the same size as a football field — that’s almost 5 million football fields of grain!
WHERE IS IT GROWN?
Michigan grows different fruits and vegetables all over the state!
Match the produce to where it is grown. One has been done for you.

Word Bank
CARROTS
POTATOES
APPLES
CRANBERRIES
FLOWERS
GRAPES
SUGAR BEETS
BLUEBERRIES
ASPARAGUS
DRY BEANS
CHERRIES

More than 3,000 Michigan farms grow vegetables each year for processing or fresh sales! Michigan farmers grow more asparagus, cucumbers for pickling, dry black beans, small red beans, and winter squash than farmers in any other state.
What’s all the Buzz?

A SINGLE BEEHIVE PRODUCES 60 POUNDS OF...

Honey bees are raised all over Michigan, farmers use honey bees to pollinate their crops and to make honey.

Can you crack the code below? Unscramble the following words, putting one letter in each space. Then unscramble the circled letters to answer the question below.

OLNLPTNAIIIO

LRWFEO

HVIE

EEB

CONYBMEHO

ONE BEEHIVE WILL PRODUCE 60 POUNDS OF...

87.5% of flowering plants in Michigan depend on bees. This means they would not be able to live or produce any flowers or fruit without the help of bees!
Find the Forest

HOW CLOSE IS THE FOREST?
Michigan forests supply us with clean air, water, and wood. Some farmers raise and harvest trees to build items that are all around you!
Can you find all 10 items in the classroom below that are made from trees?

Word Bank
CARDBOARD BOX
GUITAR
PICTURE FRAME
BASEBALL BAT
PAPER
PENCIL
POSTER
BOOK
TABLE
CHAIR
FINISH THE DRAWING BELOW
By connecting the dots below, discover what farm animal is raised all over Michigan and plays an important role in many daily diets.

WHAT ANIMAL AM I?

DID YOU KNOW? This animal lays approximately one egg per day. Her living conditions such as food, weather and amount of daylight can affect the number of eggs she lays each day.
**CAN YOU CRACK IT?**

Around 1,200 Michigan dairy farms work together to supply milk to the whole state! Milk can be used in a variety of products such as ice cream, yogurt, and cheese. Use the ‘MOO-ES’ Code to discover the answers to each dairy message. Make your own dairy questions or sentences using the ‘MOO-ES’ Code!

<table>
<thead>
<tr>
<th>MOO-ES Code</th>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>A ---</td>
<td>What do cows produce?</td>
</tr>
<tr>
<td>B ---••</td>
<td>Name the most popular kind of ice cream.</td>
</tr>
<tr>
<td>C ---••</td>
<td>What color is the popular Holstein cow?</td>
</tr>
<tr>
<td>D ---••</td>
<td>What are baby cows called?</td>
</tr>
<tr>
<td>E ---</td>
<td>What is America's favorite dessert?</td>
</tr>
<tr>
<td>F ---•••</td>
<td>What is the slogan used to promote eating dairy products?</td>
</tr>
<tr>
<td>G ---••••</td>
<td>Name three dairy products used in the dairy slogan.</td>
</tr>
<tr>
<td>H ---••</td>
<td>Michigan dairy cows help make 438 million gallons of ice cream each year! What is your favorite flavor of ice cream?</td>
</tr>
</tbody>
</table>
Michigan is home to about 2,000 pig farms; these farmers make sure their pigs are happy and healthy every day. Use your math skills to solve each equation. Color each section based on the colors in the Color Bank.

**Color Bank**
- 2 = PINK
- 3 = ORANGE
- 4 = BLUE
- 5 = PURPLE
- 6 = GREEN

A baby pig is called a piglet. There are about 10 piglets in each litter.
IDENTIFYING THE PARTS OF A SHEEP!

Some Michigan farmers raise sheep for the wool they produce. Like us, sheep need haircuts too! By shearing the sheep, the farmer can use the wool for things like clothing! Can you identify the parts of a baby sheep (a lamb) listed below?

**Word Bank**
- HEAD
- EYES
- EARS
- MUZZLE (NOSE)
- POLL (TOP OF HEAD)
- KNEE
- HOOF
- BELLY
- SHOULDER

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In total, about 400,000 pounds of wool is shorn from 65,000 sheep in Michigan each year! One pound of wool can make 10 miles of yarn.
Michigan farmers raise many kinds of flowers each year! These plants are typically grown in greenhouses with glass walls and a glass roof to keep the inside warm, which means farmers can grow plants all year round!

Draw each step of a flower's life cycle in the boxes below! One step has been done for you.

**A FLOWER'S LIFE CYCLE!**

Did you know that Michigan grows more Begonias, Easter Lilies, Geraniums, Impatiens, Potted Hostas, and Petunias than any other state in the nation?

Fun fact: The flower above is an Easter Lily!
CHRISTMAS TREE I SPY

On average it takes Michigan Christmas tree farmers seven years to grow each tree! Michigan is one of the top growers of Christmas trees in the nation. Can you count how many of each tree is shown below?

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Michigan grows a variety of Christmas trees each year. The most common varieties grown are Balsam Fir, Douglas-fir, Fraser Fir, Scotch Pine, and the White Pine — our state tree. Do you know what kind of tree your family picks?