

# Harvesting Books of Agriculture



# Aurasma & i-nigma!

This is a technology that superimposes a computer-generated image on a user's view of the real world, thus providing a composite view.

The free app that we use is called Aurasma. Download the app. When open, the arrow in the bottom center brings up a menu. Click on the menu. Select the magnifying glass (fourth option on bottom of menu). This allows users to search for content within Aurasma.

People uploading things through Aurasma must create content within "channels." Similar to how a computer has documents within folders. Our channels are both listed as IAITC. Search for IAITC and select each channel. There will be an option to follow. Follow both channels. Now, content we create and share can be accessed.

The app allows you to use a trigger image to overlay something on top. The overlay could be a video, 3d image, etc. Select the crosshairs on the center of the bottom. This allows you to attempt to scan something. Below are some images to scan using Aurasma.



You will notice that when scanning the images, an overlay gets triggered and content displays over the image creating an augmented reality.

Aurasma is an app (one of many) that creates such overlays which allows users to display content in addition to what is in the still image. For example, IAITC has Poultry trading cards, but to see the chickens live in action, we can show a quick video through the use of Aurasma.

We can also engage students through the curiosity of scanning a code by creating games, scavenger hunts, storytelling and even link them to additional sources or websites. For an example of the Illinois Ag in the Classroom QR code quiz, check out:

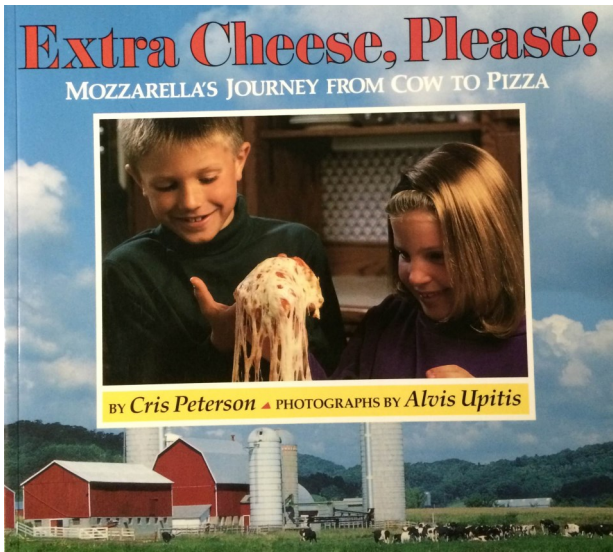
<http://www.agintheclassroom.org/TeacherResources/QR%20Codes/QR%20Code%20Apple%20Quiz.pdf>

or scan



To scan QR Codes, one must have the software capable of scanning the codes. The recommended free QR code scanner is called i-nigma. You simply hover over the code and line up the crosshairs and you will be directed to the content embedded in the code.



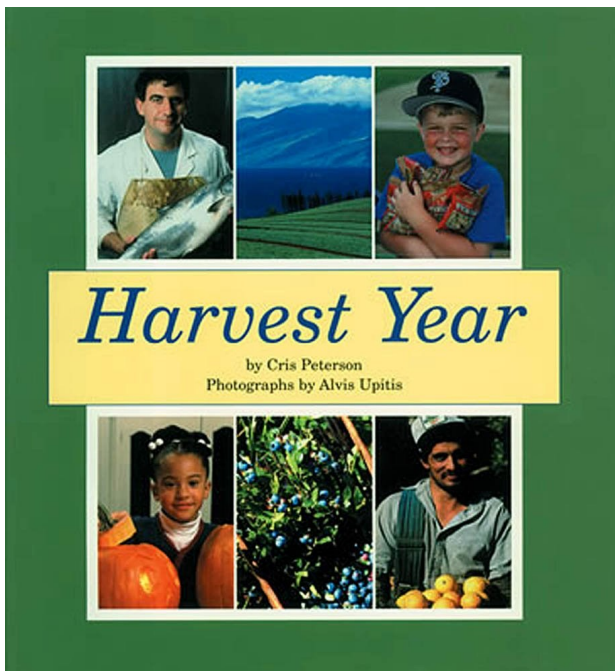


You can't go wrong with Chris Peterson's *Extra Cheese, Please!* This book, filled with rich photographs, chronicles the journey from milk to mozzarella cheese! This is an outstanding example of how the average consumer uses farm products and doesn't even know it!

### ***Extra Cheese, Please!***

**Author: Cris Peterson**

**ISBN-13: 978-1590782460**



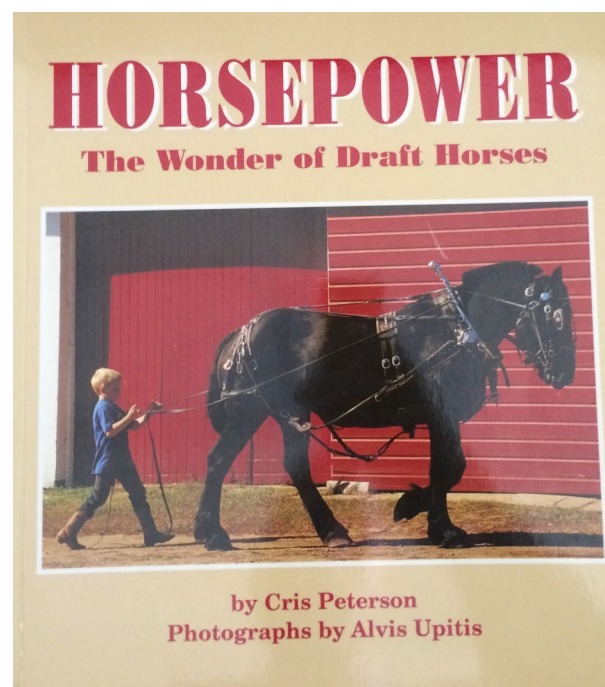
Think about how food is grown all year! Consumers use food everyday, and don't realize that the food is grown, processed, and shipped from around the nation for them to use at their convenience. This book examines the food we eat based on a calendar year. I think you'll be surprised what you learn!

### ***Harvest Year***

**Author: Cris Peterson**

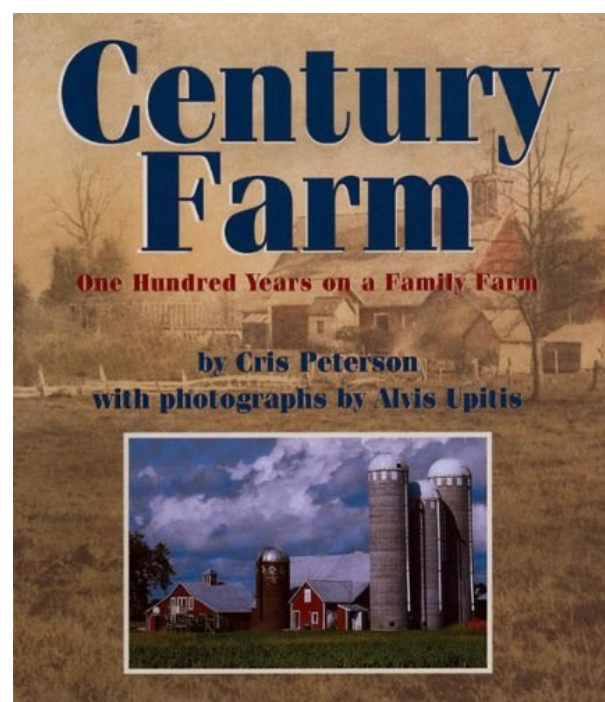
**ISBN-13: 978-1563975714**

Before modern machines, every farm relied heavily upon horsepower. This book, filled with outstanding photographs, showcases the absolute power of draft horses. While today we throw words like horsepower around, there is real meaning to the word, and it came from horses! Pair this with STEM lessons on machinery and horsepower, and your students will not forget what horsepower really means!

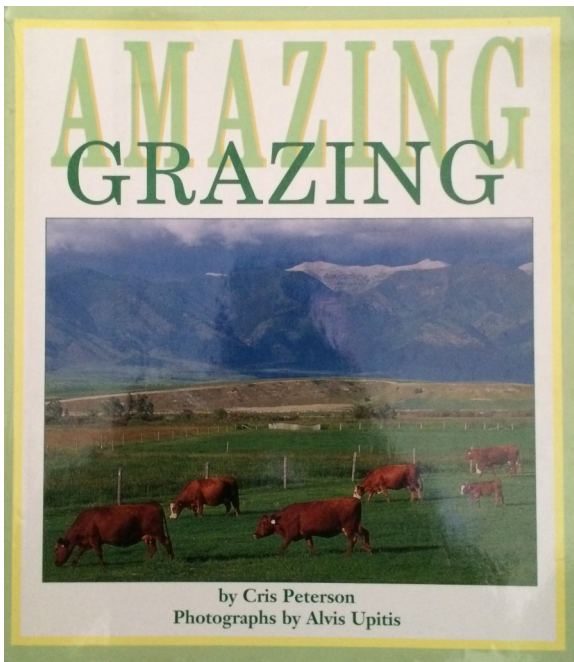


***Horsepower***  
**Author: Cris Peterson**  
**ISBN-13: 978-1563979439**

Across Illinois, you see signs celebrating the longevity of farms and farm families. This book examines a specific farmstead, and shows how much things have changed, and how much things have stayed the same in the last 100 years. An outstanding companion to local history units or research units, I highly recommend *Century Farm*!



***Century Farm***  
**Author: Cris Peterson**  
**ISBN-13: 978-1590787731**

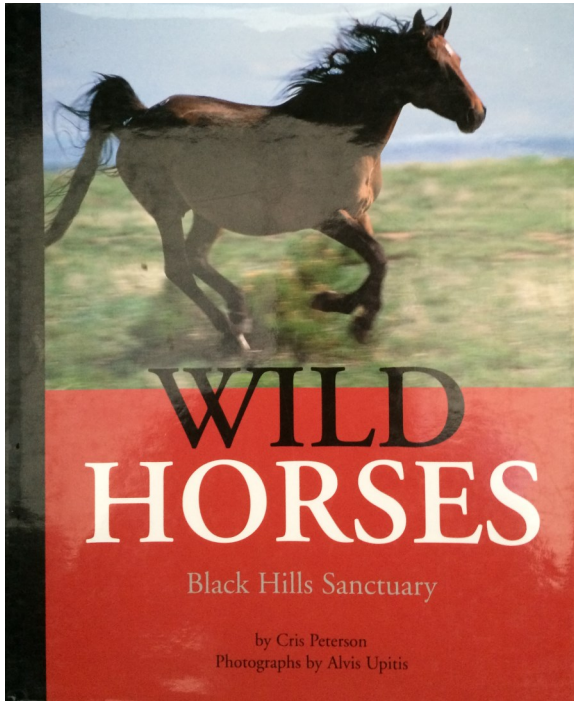


***Amazing Grazing***

**Author: Cris Peterson**

**ISBN-13: 978-1590788684**

*Amazing Grazing* examines the grazing practices of beef cattle. Majestic scenes of the western United States with cattle grazing, paired with detailed descriptions of how grazing can be a positive for the environment. An outstanding piece of non-fiction to pair with some great fiction books related to animal agriculture!



***Wild Horses***

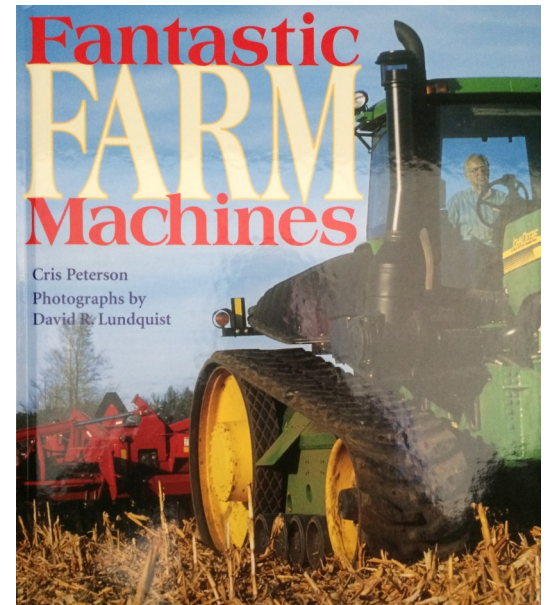
**Author: Cris Peterson**

**ISBN-13: 978-1590787991**

A chance to examine the lives of wild horses living in sanctuary in the Black Hills of South Dakota. Stunning photos showcase the power and majesty of wild mustangs in this book. A must for horse-lovers of all ages!

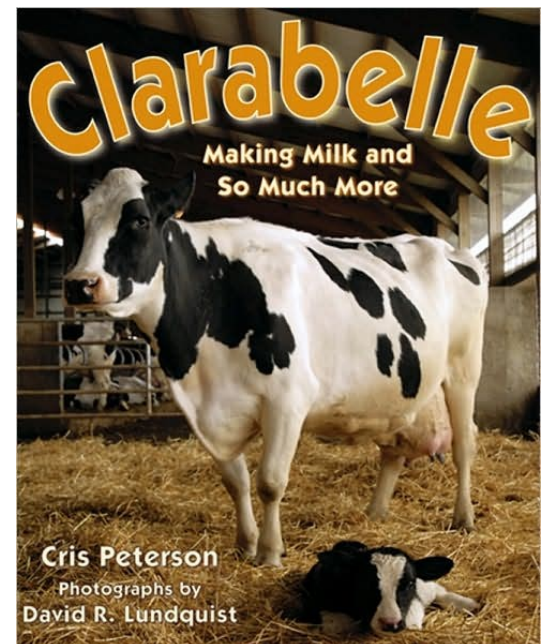


Work on the farm today involves complex pieces of technology. These fantastic farm machines can cost up to 1/2 a million dollars, and might be used only a few weeks out of the year. However, they are still a vital asset to anyone involved in modern agriculture. Come explore these machines, and learn the names and functions!

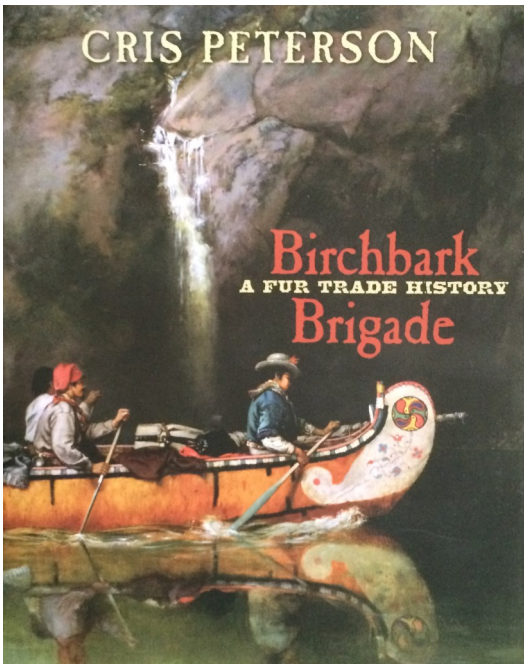


***Fantastic Farm Machines***  
**Author: Cris Peterson**  
**ISBN-13: 978-1590782712**

Dairy cattle are simply amazing creatures. They transform grass, grain and water into milk that becomes our cheese, ice cream and butter! Do you know what processes are involved in helping this animal become so productive for us? How do dairy farmers care for their animals that provide us comfort foods? Explore the stunning photos of *Clarabelle, Making Milk and So Much More!*

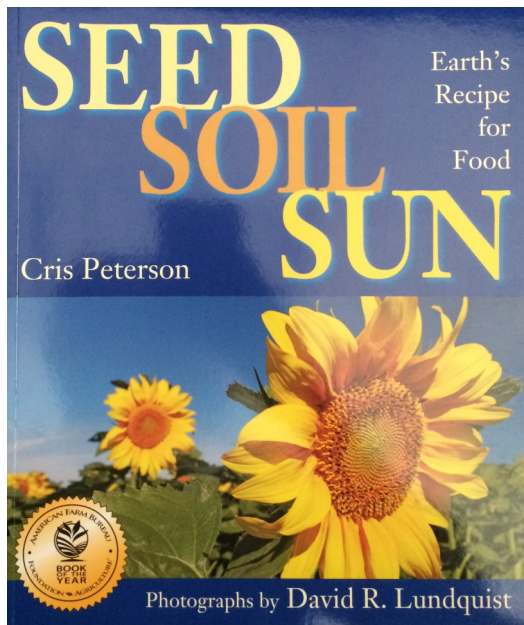


***Clarabelle***  
**Author: Cris Peterson**  
**ISBN-13: 978-1620915905**



***Birchbark Brigade***  
**Author: Cris Peterson**  
**ISBN-13: 978-1590784266**

A departure from the traditional Cris Peterson books, *Birchbark Brigade* explores the fur trade in the upper Midwest. Partnering conservation practices with agriculture of the young country of the United States, you'll see how important the fur trade was in our history. Many citizens have forgotten the rich history and significance of the fur trade!



***Seed Soil Sun***  
**Author: Cris Peterson**  
**ISBN-13: 978-1590789476**

*Seed Soil Sun* may have the most outstanding opening line of any piece of children's literature. Concise, exact and thought-provoking, this book starts with a bang and examines the recipe for food. Great photographs assist in telling the story of how our food goes from the farm to the table.

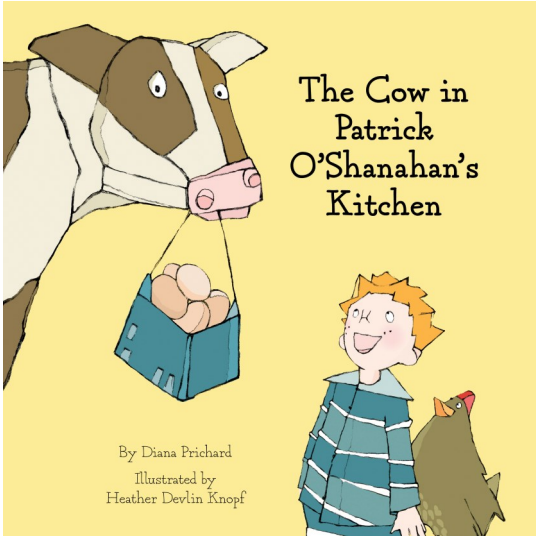


The story of soybeans. Really! A book that has soybeans as a central feature. After reading this book, you'll see the importance of soybeans to livestock and humans, the role of the family farm in Illinois, and you may even understand the unique aspect of farm to plate. The artwork provides a beautiful companion piece for the story, and if you look carefully, it is hand painted on plates!

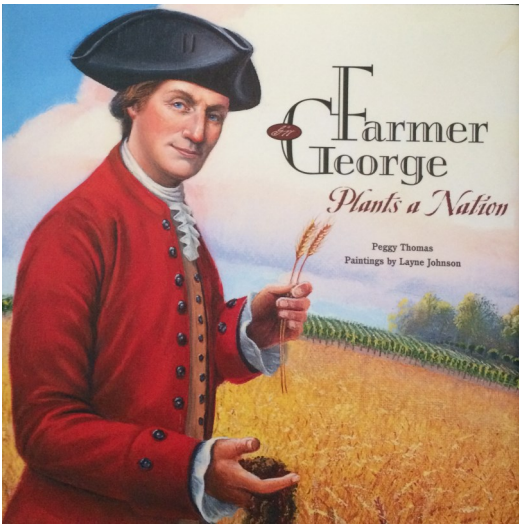


***Auntie Yang's Great Soybean Picnic***  
**Author: Ginnie Lo**  
**ISBN-13: 978-1600604423**

You can't have breakfast without agriculture! Join the adventure as Patrick O'Shanahan helps his father make French toast for breakfast. Of course you need eggs, that come from chickens, and a frothy cup of milk from a dairy cow, and don't forget the maple syrup from the maple tree! Quirky illustrations with rich vocabulary in the text make for an excellent book. You might see the foreshadowing of a sequel as Patrick wakes the next day to the smell of bacon!



***The Cow in Patrick O'Shanahan's Kitchen***  
**Author: Diana Prichard**  
**ISBN-13: 978-1939775016**



***Farmer George Plants  
a Nation***

**Author: Peggy Thomas**

**ISBN-13: 978-1620910290**

Author Peggy Thomas calls this her 'accidental agriculture book.' She really wrote a book about George Washington and his role as a farmer. Little did she know, the agriculture community would embrace the book and the outstanding research and documents. Wonderful illustrations serve to highlight the importance of the agriculture of Washington's time. Outstanding opportunities to link wheat, trees, horses and soil from the colonial era to today!

***Oh Say Can You Seed?***

**Author: Bonnie Worth**

**ISBN-13: 978-0375810954**

A must for understanding plant science! Only the cat in the hat can make plants this easy to understand!

***Beef Cattle: Story of  
Agriculture***

**Author: Anderson & Buggiey**

**ISBN: 978-1-926781-09-9**

Anderson and Buggiey have a formula for making traditional farming easy to understand! You'll have a better understanding of your hamburger!

***Illinois History***

**Author: Andrew Santella**

**ISBN-13: 978-1432902759**

Of course agriculture plays a major role in Illinois history! Learn just how important agriculture was and continues to be with this book!

***Food***

**Author: Fiona MacDonald**

**ISBN-13: 978-0778702382**

An exciting thumbnail sketch of food from around the world and throughout history. Great photos and easy to read factoids!

***Who Grew My Soup?***

**Author: Tom Darbyshire  
ISBN-13: 978-1412745444**

A great book linking your bowl of soup right back to the farm. Campbell's Soup showcases their product and their farmer in this tale of Phineas!

***Pumpkin Jack***

**Author: Will Hubbell  
ISBN-13: 978-0807566664**

Jack carves a pumpkin and watches it throughout the fall and winter. Can you believe that next spring the growing cycle starts again?

***Heartland***

**Author: Diane Siebert  
ISBN-13: 978-0064432870**

Poetic text and full color illustrations transport readers to the heartland. Life is not simpler, but this book showcases modern agriculture.

***Jack's Garden***

**Author: Henry Cole  
ISBN-13: 978-0688152833**

A cumulative story that tells the story of Jack and his garden. Great way to introduce a unit on plants and gardens, or writing styles!

***Corn Belt Harvest***

**Author: Raymond Bial  
ISBN-13: 978-0395562345**

A must have for those from Illinois. What is all that corn? What do we do with it? Read along and find out!

***The Apple Orchard Riddle***

**Author: Margaret McNamara &  
Brian Karas  
ISBN-13: 978-0375847448**

Do you use apples in the fall for bulletin boards? Pair this piece of fiction with our Apple Ag Mag (non-fiction) for an excellent lesson plan!

***Water***

**Author: Nancy Carlson  
ISBN-13: 978-1-926781-10-5**

Showcase the importance of water in agriculture and in everyday life! Great way to complement your water cycle activities.

***A Season of Gifts***

**Author: Richard Peck  
ISBN-13: 978-0142417294**

You have to love Illinois author Richard Peck. Here, you follow the story of a new family in town as they face back to school, harvest and the holiday season! You'll be shocked to see how much agriculture you find!



**Hungry Planet**  
**Author: Peter Menzel**  
**ISBN-13: 978-0984074426**

A must-have for middle school and high school teachers. This book examines food around the world!

***Christmas From Heaven***  
**Author: Tom Brokaw**  
**ISBN-13: 978-1609077006**

The importance of food and candy in post war Europe. The story of the Marshall Plan candy bomber! Showcasing humanity and needs.

***Gregor Mendel: The Friar Who Grew Peas***  
**Author: Cheryl Bardoe**  
**ISBN-13: 978-0810954755**

A beautifully illustrated introduction to genetics and plant science.

***Pizza for the Queen***  
**Author: Nancy Castaldo**  
**ISBN-13: 978-0823418657**

The history of food. Where does pizza come from? Check out this outstanding piece of historical fiction!

***14 Cows for America***  
**Author: Carmen Agra Deedy**  
**ISBN-13: 978-1561454907**

America feeds the world, but take a look at this post 9/11 story of unity from Africa.

***A Handful of Dirt***  
**Author: Raymond Bial**  
**ISBN-13: 978-0802786982**

Explore the wild outdoors...outside your doorstep! You'll never look at soil the same way again.

***Christmas Tree Farm***  
**Author: Ann Purmell**  
**ISBN-13: 978-0823418862**

A visit to the Christmas tree farm begins long before we hang the lights.

***Leah's Pony***  
**Author: Elizabeth Friedrich**  
**ISBN-13: 978-1563978289**

Depression era Leah helps her struggling family with her meager savings. Community, family ties and agriculture in a piece of historic fiction.

***Little Joe***  
Author: Sandra Neil Wallace  
ISBN-13: 978-0375854507

Perfect for a reluctant upper elementary school male reader. Follow the adventure of Eli raising his first animal for show at the county fair!

***Heart of a Shepherd***  
Author: Rosanne Parry  
ISBN-13: 978-0375848032

A look at livestock on the western range. Outstanding upper elementary novel. A strong family facing hardship but surviving!

***Corn***  
Author: Gail Gibbons  
ISBN-13: 978-0823422456

Another look at corn, like you've never seen it before! Gail Gibbons examines what you see all around Illinois with her unique art and text.

***Anna's Corn***  
Author: Barbara Santucci  
ISBN-13: 978-0802851192

The circle of life as told through the story of corn. Perfect for planting or harvest.

***11 Experiments That Failed***  
Author: Jenny Offill  
ISBN-13: 978-0375847622

Moving toward the Next Generation Science Standards, means *doing* more science. Read some awesome lab reports in this book!

***Chigger***  
Author: Raymond Bial  
ISBN-13: 978-1934894385

Illinois author Raymond Bial examines life in a simpler time with emphasis on raising chickens. Perfect for a more mature student reader!

***The Beef Princess of Practical County***  
Author: Michelle Houts  
ISBN-13: 978-0440422709

Can't say enough about this outstanding book. Strong female character, realistic portrayal of Midwestern farm life and a compelling plot!

***The Practical County Drama Queen***  
Author: Michelle Houts  
ISBN-13: 978-1771275262

The sequel! Just as good, just as gripping. Perfect for your upper elementary female reader! Buy an extra copy and cover the cover for your young male readers!

***Dairy Queen***

**Author: Catherine Gilbert  
Murdock  
ISBN-13: 978-0618863358**

The Beef Princess grows up and runs a dairy operation. Not only is it hard work, life on the farm is complicated!

***The Thing About Luck***

**Author: Cynthia Kadohata  
ISBN-13: 978-1442474659**

Outstanding older reader selection featuring the story of the wheat harvest. You won't put this one down!

***April Foolishness***

**Author: Teresa Bateman  
ISBN-13: 978-0807504055**

Teresa Bateman looks at April Fool's Day on the farm. Beat your young readers to the punch in this story, as Grandma has the last word!

***The Tree Farmer***

**Author: Chuck Leavell  
ISBN-13: 978-0615355207**

Author and musician Chuck Leavell showcases the use of forestry as a part of agriculture.

***Pig 05049***

**Author: Christien Meindertsma  
ISBN-13: 978-9081241311**

Using all but the oink, *Pig 05049* shows how all parts of the pig are used in ways the reader can't even imagine.

***Too Many Pumpkins***

**Author: Linda White  
ISBN-13: 978-0823413201**

A classic tale of pumpkins, pumpkin growth and eventually, community! Great way to showcase pumpkins in October.

***How Many Seeds in a Pumpkin***

**Author: Margaret McNamara  
ISBN-13: 978-0375840142**

More than just the story of pumpkins. This book also examines how looks can be deceiving in students as well as pumpkins!

***Return to Sender***

**Author: Julia Alvarez  
ISBN-13: 978-0375851230**

A Junior High book that examines life on a dairy farm, including the hard work, financing and even immigration issues. Could be used in conjunction with current events as well!



***...and now, Miguel***

**Author: Joseph Krumgold**

**ISBN-13: 9780064401432**

A Newberry Medal winner that has stood the test of time. Set in the backdrop of war, a family faces trials with their ranching operation.

***Just Your Average Princess***

**Author: Kristina Springer**

**ISBN-13: 9780374361501**

Illinois author Kristina Springer sets her upper level novel outside of Average, Illinois, (think Normal!) proving that strong females can raise pumpkins, too!

***The Year Money Grew on Trees***

**Author: Aaron Hawkins**

**ISBN-13: 9780547577166**

An outstanding look at teens taking over an apple orchard. Hard work, dedication and patience are the keys to success in this novel.

***Apples to Oregon***

**Author: Deborah Hopkinson**

**ISBN-13: 9781416967460**

Historical fiction as you've never seen it before. Apples, the Oregon Trail, and tall tales come to life through the eyes of Delicious, our main character.

***A Year Down Yonder***

**Author: Richard Peck**

**ISBN-13: 9780142300701**

Richard Peck sets this Depression-era novel in east central Illinois. You can use the agriculture of the novel to compare to modern practices.

***War Horse***

**Author: Michael Morpurgo**

**ISBN-13: 9780439796644**

The movie was great, but you can't beat the book! The use of horses in World War I and the era come to life in this novel.

***The Super Soybean***

**Author: Raymond Bial**

**ISBN-13: 9780807575499**

An up-close look at soybeans as chronicled by Illinois author Raymond Bial. History, uses, growing seasons and by-products are featured.

***Bread Comes to Life***

**Author: George Levenson**

**ISBN: 13-978-1582462738**

Bread certainly does come to life in the story, from wheat seed to the dining table. Explore how your bread begins on the farm.

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