



ORC CURRICULUM MAP

Grade 7 Science

Topics Included: Unit B Plants for Food and Fibre

*Resources Included: Britannica School, PowerKnowledge Life Science, TrueFLIX, ScienceFLIX,
Science In Context*

Created: January 2018

Updated: August 2018

Jamie Davis, Former ORC Coordinator
ORC@thealbertalibrary.ab.ca

Crash Course Kids Disclaimer

These Curriculum Maps have been updated to include the YouTube educational web series *Crash Course Kids*. This web series, from the producers of *Crash Course*, is geared towards elementary grade science. It includes topics related to Earth Science, Physical Science, Biology, Astronomy, and more. These videos can sometimes contain irreverent humour. We encourage educators to preview the videos for appropriateness before showing them in a classroom or library setting.

Background and Access Information

Learn Alberta's Online Reference Centre is a \$1.2 million collection of authoritative curricular aligned resources that are licensed on behalf of all students, staff, parents and public librarians learning/teaching/supporting the Alberta curriculum.

To Access the Online Reference Centre:

1. Go to LearnAlberta.ca
 2. Select English or French
 3. Click on "Online Reference Centre" in the tab along the top of the screen
 4. In school while on a school device, users do not need to enter a username or password. Users are able to enter any database or website instantly.
 5. Access from a person device in school or remotely from outside of the school will require the user to enter a username/password once to unlock all of the resources.
 6. Please share your district's ORC username/password with your students, parents of your students, student teachers and fellow staff members. Please do not share the username and password information on an open website (a website that does not require the user to login).
-

How to Use This Guide

Attached please find a listing of databases found on Learn Alberta's Online Reference Centre (ORC) that directly support specific learner outcomes in the grade two science and social studies curricula.

Formatting Overview for Britannica School: **Curricular Topic**

Specific Learner Outcome (SLO)

Britannica School

- Elementary
 - Keyword Search "Keyword"
 - Article Title
 - Articles
 - Subject area
 - Topic
 - Subtopic
 - Article Title

Formatting Overview for PowerKnowledge Databases: **Curricular Topic**

Specific Learner Outcome (SLO)

Name of the Database

- Topic
 - Subtopic
 - Article Title with Hyperlink
 - Article Section

Formatting Overview for Science In Context: **Curricular Topic**

Specific Learner Outcome (SLO)

Science In Context

- Browse Topics (link found in the top grey bar next to Home)
 - Topic
 - Introductory Article/Featured Content/Reference

- Article Name with hyperlink

Formatting Overview for ScienceFLIX:

Curricular Topic

Specific Learner Outcome (SLO)

ScienceFLIX

- Browse All Topics, Topic Heading
 - Subject
 - Content Type
 - “Set my Reading Level” (top right-hand side of the screen)
 - Article Sections
 - Content Type
 - Sub-topic
 - Article or video

Formatting Overview for TrueFLIX:

Curricular Topic

Specific Learner Outcome (SLO)

TrueFLIX

- Topic
 - eBook Title (alphabetized listing found in the Resources & Tools link in the top right hand corner of the screen)
 - Chapters in eBook if applicable

A note about Science In Context:

Science In Context is a database that is designed for students in grades six to twelve. As such, some of the content of this database may be challenging for students in grade six.

However, this database does have several features to make it more user friendly for students with varied skill levels. First, each article indicates the reading level using a symbol just below the title of the article beside the name of the source. A green circle indicates a basic reading level, yellow square an intermediate reading level, and red triangle an advanced reading level. In addition, the “Advanced Search” feature allows users to limit the content search to a basic, intermediate or advanced reading level. This guide will include basic articles in the “At Grade Level” sections and

intermediate articles in the "Above Grade Level" sections. Each title includes a hyperlink that takes you directly to the article in the database.

Last, this database does include a customizable listen feature, as well as a text translation and the ability to download a computer generated reading of the article to an MP3 format.

If you have any questions regarding this guide or if you would like a guide for additional grades please contact Bethany Arsenault, ORC Coordinator at barsenault@thealbertalibrary.ab.ca .

Unit B: Plants for Food and Fibre

SLO: Investigate plant uses; and identify links among needs, technologies, products and impacts

- *Illustrate and explain the essential role of plants within the environment*
- *Describe human uses of plants as sources of food and raw materials, and give examples of other uses (e.g., identify uses of plants as herbs or medicines; describe plant products, and identify plant sources on which they depend)*
- *Investigate trends in land use from natural environments (e.g., forests, grasslands) to managed environments (e.g., farms, gardens, greenhouses) and describe changes*
- *Investigate practical problems and issues in maintaining productive plants within sustainable environment, and identify questions for further study (e.g., investigate the long-term effects of irrigation practices or fertilizer use)*

Resources for Students Reading Below Grade Level

Britannica School: Elementary

- Articles
 - Plants and Other Living Things
 - Grasses and Grains
 - Barley
 - Grain
 - Grass
 - Article Sections: Introduction, Uses
 - Millet
 - Oats
 - Rice
 - Rye
 - Wheat
 - Herbs and Spices
 - Basil
 - Article Sections: Introduction, Uses
 - Dill
 - Garlic
 - Herb
 - Mustard
 - Spice
 - Trees

- Almond
- Apple
 - Article Sections: Introduction, Uses
- Apricot
- Ash
- Aspen
- Bark
- Birch
- Cashew
 - Article Sections: Introduction, Uses
- Cedar
- Cherry
- Citrus Fruit
 - Article Sections: Introduction, Uses
- Conifer
- Cottonwood
 - Article Sections: Introduction, Uses
- Cypress
- Fir
- Hawthorn
- Larch
- Vegetable
 - Beet
 - Broccoli
 - Article Sections: Introduction, Health Benefits
 - Cabbage
 - Carrot
 - Cucumber
 - Lettuce
 - Onion
 - Potato
 - Pumpkin
 - Spinach
 - Squash
 - Sweet Potato
 - Tomato
 - Vegetable
- Other Plants
 - Aloe
 - Bean
 - Cotton
 - Article Sections: Introduction, Uses
 - Legume
 - Pea

- Soybean
 - Article Sections: Introduction, Uses
 - Science and Mathematics
 - Life Sciences
 - Botany
 - Botany
- Canada In Focus
 - Plants and Animals
 - Plants
 - Grassland
 - Pine
 - Polar
 - Spruce
 - Article Sections: Introduction, Uses

PowerKnowledge Life Science

- Plants
 - [Coniferous Forests](#)
 - Article Sections: [People and the Coniferous Forest](#), [Canada's Boreal Forest](#)
 - [Deciduous Forests](#)
 - Article Sections: [Deciduous Forests](#), [People and the Forest](#)
 - [How Herbs Grow](#)
 - Article Sections: [Herbs Have a History](#), [Using Herbs](#)
 - [How Plants Grow](#)
 - Article Sections: [Power Plants](#), [What Plants Do For Us](#)
 - [Olive Trees](#)
 - Article Sections: [The Olive Tree](#), [Olives for Eating](#), [Olive Oil](#)

Resources for Students Reading At Grade Level

Science In Context

- Advanced Search: Herbs and Medicine (Basic Content Level selected)
 - Reference
 - [Medicinal Plants \(Science Weekly, March 9, 2010\)](#)
- Advanced Search: Fertilizer (Basic Content Level selected)
 - Reference
 - [Fertilizer \(UXL Encyclopedia of Science, 2015\)](#)
 - [Agrochemical \(UXL Encyclopedia of Science, 2015\)](#)
- Advanced Search: Garden (Basic Content Level selected)
 - Reference
 - [Horticulture \(UXL Encyclopedia of Science, 2015\)](#)
- Advanced Search: Greenhouse (Basic Content Level selected)
 - Reference

- [Greenhouse \(UXL Encyclopedia of Science, 2015\)](#)
- Advanced Search: Land Use (Basic Content Level selected)
 - Reference
 - [Biological Crop Rotation \(Biotechnology: Changing Life Through Science, 2012\)](#)

ScienceFLIX

- Life Science
 - Plant Kingdom
 - Dive Deeper!
 - People and Plants
 - Houseplants
 - Article Section: Houseplants

Crash Course Kids

- [How to Get Resources - Picky Pineapples: Crash Course Kids #2.2](#)
- [Who Needs Dirt?: Crash Course Kids #27.1](#)

Resources for Students Reading Above Grade Level

Science In Context

- Advanced Search: Medicinal Plants (Intermediate Content Level selected)
 - Reference
 - [Echinacea \(The Gale Encyclopedia of Medicine, 2015\)](#)
 - [St. John's Wort \(The Gale Encyclopedia of Medicine, 2015\)](#)
 - [Herbal Drugs \(Drugs and Controlled Substances: Information for Students, 2010\)](#)
- Advanced Search: Sustainable Agriculture (Intermediate Content Level selected)
 - Reference
 - [Sustainable Agriculture \(Environmental Encyclopedia, 2011\)](#) – Updated March 2015
 - [Agroecology \(Environmental Encyclopedia, 2011\)](#)
- Advanced Search: Land Use (Intermediate Content Level selected)
 - Reference
 - [Carry Capacity \(Environmental Encyclopedia, 2011\)](#) – Updated December 2015

ScienceFLIX

- Life Science
 - Plant Kingdom
 - Explore More
 - People and Plants
 - Edible Plant Parts

- Fertilizer
- Gardens and Gardening
- Herbs and Spices
- Medicinal Plants

SLO: Investigate life processes and structures of plants, and interpret related characteristics and needs of plants in a local environment

- *Describe the general structure and functions of seed plants (e.g., describe the roots, stem, leaves and flower of a common local plant)*
- *Investigate and interpret variations in plant structure, and relate these to different ways that plants are adapted to their environment (e.g., distinguish between plants with shallow spreading roots and those with deep taproots; describe and interpret differences in flower form and in the timing of flower production)*
- *Investigate and interpret variations in needs of different plants and their tolerance for different growing conditions (e.g., tolerance for drought, soil salinization or short growing seasons)*
- *Describe the processes of diffusion, osmosis, conduction of fluids, transpiration, photosynthesis and gas exchange in plants [Note: This item requires a general understanding of the processes; it does not require knowledge of the specific biochemistry of these processes.]*
- *Describe life cycles of seed plants, and identify example methods used to ensure their germination, growth and reproduction (e.g., describe propagation of plants from seeds and vegetative techniques, such as cuttings; conduct a germination study; describe the use of beehives to support pollination)*

Resources for Students Reading Below Grade Level

Britannica School: Elementary

- Articles
 - Plants and Other Living Things
 - Leaf
 - Plant
 - Root
 - Flowers
 - Flower
 - Fruits
 - Fruit
 - Grasses and Grains
 - Grain
 - Grass
 - Herbs and Spices

- Herb
 - Vegetable
 - Vegetable
 - Science and Mathematics
 - Life Sciences
 - Botany
 - Photosynthesis
- Keyword Search: Plant transpiration
 - Plant (Life Form)

PowerKnowledge Life Science

- Plants
 - [All About Plants](#)
 - [Coniferous Forests](#)
 - Article Sections: [Coniferous Forests](#), [Weather and Water, Trees and Plants](#)
 - [Deciduous Forests](#)
 - Article Sections: [Deciduous Forests](#), [Layers of the Forest, The Shrub and Herb Layers](#),
 - [Flowers and Seeds](#)
 - [How Flowers Grow](#)
 - [How Fruit Grows](#)
 - [How Herbs Grow](#)
 - [How Plants Grow](#)
 - [How Trees Grow](#)
 - Article Sections: [Old and Wise](#), [The Root of It All](#), [Self Seeders](#), [What Trees Do](#)
 - [How Vegetables Grow](#)
 - [Oak Trees](#)
 - [Olive Trees](#)
 - Article Sections: [The Olive Tree](#), [Life in Dry Places](#)
 - [Photosynthesis](#)
 - [Plant Development and Growth](#)
 - [Plants with Seeds](#)
 - [Water and Plants](#)

TrueFLIX

- Ecosystems
 - Deserts
 - Chapter: Wildlife Under the Sun (5)
 - Temperate Forests
 - Chapter: Forest Life (2)
- Experiments
 - Experiments with Plants

Resources for Students Reading At Grade Level

Science In Context

- Advanced Search: Plants (Basic Content Level selected)
 - Reference
 - [Vascular Plants \(UXL Complete Life Science Resource, July 1, 2009\)](#)
 - [Salinity-Resistant Plants \(Biotechnology: Changing Life Through Science, 2012\)](#)
 - [Plant Reproduction \(UXL Complete Life Science Resource, July 1, 2009\)](#)
 - [Photosynthesis \(UXL Complete Life Science Resource, July 1, 2009\)](#)
 - [Propagation \(UXL Encyclopedia of Science, 2015\)](#)
 - [Photosynthesis \(UXL Encyclopedia of Science, 2015\)](#)
 - [Plant Anatomy \(UXL Complete Life Science Resource, July 1, 2009\)](#)
 - [Root System \(UXL Complete Life Science Resource, July 1, 2009\)](#)
 - [Chlorophyll \(UXL Encyclopedia of Science, 2015\)](#)
 - [Osmosis \(UXL Complete Life Science Resource, July 1, 2009\)](#)
 - [Germination \(UXL Complete Life Science Resource, July 1, 2009\)](#)
 - [Diffusion \(UXL Complete Life Science Resource, July 1, 2009\)](#)
 - [Leaf \(UXL Encyclopedia of Science, 2015\)](#)
 - [Flower \(UXL Encyclopedia of Science, 2015\)](#)
 - [Root \(UXL Encyclopedia of Science, 2015\)](#)
- Advanced Search: Plant Adaptations (Basic Content Level selected)
 - Reference
 - [Desert \(UXL Encyclopedia of Science, 2015\)](#)
- Advanced Search: Plants and Climate (Basic Content Level selected)
 - Reference
 - [Plants and Climate \(UXL Encyclopedia of Weather and Natural Disasters, 2016\)](#)
 - [Frost-Resistant Crops \(Biotechnology: Changing Life Through Science, 2012\)](#)

ScienceFLIX

- Life Science
 - Life Cycles
 - Dive Deeper!

- Growth and Development
 - Plant Growth and Processes
 - “Select my Reading Level 1” (Top right-hand side of the screen)
 - Plant Science
 - Read It!
 - “Set my Reading Level 1” (top right-hand side of the screen)
 - Dive Deeper!
 - Plant Processes
 - Photosynthesis
 - “Set my Reading Level 1” (top right-hand side of the screen)
 - Plant Reproduction
 - “Set my Reading Level 1” (top right-hand side of the screen)
 - Germination
 - “Set my Reading Level 1” (top right-hand side of the screen)
 - Specialized Structures
 - Stems and Roots
 - Leaves
 - Anatomy of a Flower (Closer Look)
 - Plants in the Environment
 - Seed Dispersal A Fantastic Voyage (Slideshow)
 - Plant Kingdom
 - Read It!
 - “Set my Reading Level 1” (top right-hand side of the screen)
 - Dive Deeper!
 - Plant Diversity
 - Vascular versus Nonvascular Plants
 - “Select my Reading Level 1” (top right-hand side of the screen)
 - A Gallery of Plant Species (Slideshow)
 - People and Plants
 - Plant Distribution
 - “Set my Reading Level 1” (top right-hand corner of the screen)

Crash Course Kids

- [Who Needs Dirt?: Crash Course Kids #27.1](#)
- [Look Who's Talking: Crash Course Kids #27.2](#)

- [Vegetation Transformation: Crash Course Kids #5.2](#)
- [Why No Polar Pineapples: Crash Course Kids #11.2](#)
- [Gotta Eat!: Crash Course Kids #1.1](#)

Resources for Students Reading Above Grade Level

Science In Context

- Advanced Search: Plants (Intermediate Content Level selected)
 - Reference
 - [Salinity-Tolerant Plants \(Biotechnology: In Context, 2012\)](#)
– Updated January 2017
 - [Plant \(Biology, 2016\)](#)
 - [Anatomy of Plants \(Biology, 2016\)](#)
 - [Photosynthesis \(World of Chemistry, 2000\)](#) – Updated August 2013
 - [Reproduction in Plants \(Biology, 2016\)](#)
 - [Pollination and Fertilization \(Biology, 2016\)](#)
 - [Propagation \(Biology, 2016\)](#)
 - [Transpiration \(Environmental Encyclopedia, 2011\)](#)
 - [Roots \(Biology, 2016\)](#)
 - [Fruits \(Biology, 2016\)](#)
 - [Photosynthesis \(Biology, 2016\)](#)
- Advanced Search: Plants and Climate (Intermediate Content Level selected)
 - Reference
 - [Evapotranspiration \(Environmental Encyclopedia, 2011\)](#)
 - [Chloroplast \(Biology, 2016\)](#)

ScienceFLIX

- Life Science
 - Life Cycles
 - Explore More
 - Life Cycles
 - Plant
 - Life Begins
 - Germination
 - Pollination
 - Propagation
 - Reproduction of Plants
 - Seed
 - Growth and Development
 - Life Cycle of Plants
 - Plant Science
 - Explore More

- Plant Processes
 - Life Cycle of Plants
 - Photosynthesis
 - Seed Plants
 - Specialized Structures
 - Chlorophyll
 - Flower
 - Leaf
 - Seed
 - Tuber
 - Plant Kingdom
 - Explore More
 - Plant Kingdom
 - What is a Plant?
 - Article Sections: What Is a Plant?, Plant or Plantlike?, Importance of Plants, Kingdom Plantae, Life Processes, Growth, Reproduction
 - Plant Diversity
 - The Flowering Plants
 - Tuber
 - People and Plants
 - Photosynthesis

SLO: Analyze plants environments, and identify impacts of specific factors and controls

- *Describe methods used to increase yields, through modifying the environment and by creating artificial environment (e.g., describe processes used in raising bedding plants or in vegetable production through hydroponics)*
- *Investigate and describe characteristics of different soils and their major component (e.g., distinguish among clayey soils, sandy soils, and soils rich in organic content; investigate and describe particle sizes, compaction and moisture content of soil samples)*

Resources for Students Reading Below Grade Level

Britannica School: Elementary

- Articles
 - Science and Mathematics
 - Earth Sciences
 - Geology
 - Soil

- Article Sections: Introduction, The Importance of Soil, How Soil Forms

Resources for Students Reading At Grade Level

Science In Context

- Advanced Search: Soil (Basic Content Level selected)
 - Reference
 - [Soil \(UXL Encyclopedia of Science, 2015\)](#)
 - [Hydroponics \(Biotechnology: Changing Life Through Science, 2012\)](#)
 - [Compost \(UXL Encyclopedia of Science, 2015\)](#)
 - [Compost/Organic Fertilizers \(Biotechnology: Changing Life Through Science, 2012\)](#)

Crash Course Kids

- [Who Needs Dirt?: Crash Course Kids #27.1](#)
- [Look Who's Talking: Crash Course Kids #27.2](#)

Resources for Students Reading Above Grade Level

Science In Context

- Advanced Search: Soil (Intermediate Content Level selected)
 - Reference
 - [Soil \(Environmental Encyclopedia, 2011\)](#) Updated March 2015
 - [Bioremediation \(Environmental Encyclopedia, 2011\)](#) Updated January 2015

SLO: Analyze plants environments, and identify impacts of specific factors and controls

- *Identify practices that may enhance or degrade soil in particular applications*
- *Describe and interpret the consequences of using herbicides, pesticides and biological controls in agriculture and forestry*

SLO: Identify and interpret relationship's among human needs, technologies, environments, and the culture and use of living things as sources of food and fibre

- *Investigate and describe the development of plant varieties through selective breeding, and identify related needs and problems (e.g., identify needs leading to the development of new grain varieties; identify problems arising from the development of new plant varieties that require extensive fertilization)*

- *Investigate and identify intended and unintended consequences of environmental management practices (e.g., identify problems arising from monoculture land use in agricultural and forestry practices, such as susceptibility to insect infestation or loss of diversity)*
- *Identify the effects of different practices on the sustainability of agriculture and environmental resources (e.g., identify positive and negative effects of using chemical fertilizers and pesticides and of using organic farming practices)*

Resources for Students Reading Below Grade Level

Britannica School: Elementary

- Articles
 - Science and Mathematics
 - Life Sciences
 - Biology
 - Deforestation
 - Forest
 - Ecology
 - Ecology
 - Article Section: A Delicate Balance
 - Pollution
 - Article Sections: Water Pollution, Land Pollution
 - Machines, Tools, and Technology
 - Agriculture
 - Agriculture
 - Article Sections: Location and Weather, Methods
 - Farmer
 - Article Sections: Types of Farms, Methods of Farming
 - Irrigation
 - Article Sections: Introduction, Environmental Issues

PowerKnowledge Life Science

- Green Living
 - [Buy Green](#)
 - Article Sections: [Organic Foods and Cleaners](#), [You Look Good in Green](#)
 - [Eat Green](#)
 - Article Sections: [What is Earth-Friendly Food?](#), [Not so Earth Friendly](#), [Grow It Green!](#), [Not Just Veggies](#)
 - [Human Impact on the Environment](#)

- Article Sections: [The Environment is All Around](#), [Farming and the Environment](#)

Resources for Students Reading At Grade Level

Science In Context

- Advanced Search: Soil (Basic Content Level selected)
 - Reference
 - [Biological Crop Rotation \(Biotechnology: Changing Life Through Science, 2012\)](#)
 - [Desertification \(UXL Encyclopedia of Weather and Natural Disasters, 2016\)](#)
 - [Agronomy \(UXL Encyclopedia of Science, 2015\)](#)
 - [Forestry \(UXL Encyclopedia of Science, 2015\)](#)
- Advanced Search: Selective Breeding (Basic Content Level selected)
 - Reference
 - [Breeding, Selective \(Biotechnology: Changing Life Through Science, 2012\)](#)
 - [Artificial Selection \(UXL Encyclopedia of Science, 2015\)](#)
 - [Agriculture \(Biotechnology: Changing Life Through Science, 2012\)](#) Updated September 2014
 - Websites
 - [Harvest of Fear: Engineer a Crop: Selective Breeding](#)
- Advanced Search: Biodiversity (Basic Content Level selected)
 - Reference
 - [Biodiversity \(UXL Encyclopedia of Science, 2015\)](#)
 - [Habitat Loss \(UXL Encyclopedia of Science, 2015\)](#)
- Advanced Search: Organic Farming (Basic Content Level selected)
 - Reference
 - [Organic Farming \(UXL Encyclopedia of Science, 2015\)](#)
 - [Agriculture \(UXL Encyclopedia of Science, 2015\)](#)
 - [Compost/Organic Fertilizers \(Biotechnology: Changing Life Through Science, 2012\)](#)
- Advanced Search: Fertilizer (Basic Content Level selected)
 - Reference
 - [Fertilizer, \(UXL Encyclopedia of Science, 2015\)](#)
 - [Agrochemical \(UXL Encyclopedia of Science, 2015\)](#)
- Advanced Search: Forestry (Basic Content Level selected)
 - Reference
 - [Forestry \(UXL Encyclopedia of Science, 2015\)](#)
- Advanced Search: Pesticides (Basic Content Level selected)
 - Reference
 - [Biological Pest Control \(Biotechnology: Changing Life Through Science, 2012\)](#)

ScienceFLIX

- Life Science
 - Conservation
 - Dive Deeper!
 - Conservation Challenges
 - Water Pollution
 - Article Sections: Pollution of Groundwater, Sources of Pollution, Agricultural Chemicals
 - Biomes
 - Read It!
 - Article Sections: Introduction, The Changing Biomes
 - Diver Deeper!
 - Biomes in Flux
 - Environmental Pollution
 - Article Sections: Introduction, Water Pollution (Fertilizers), Pollution by Synthetic Chemicals, Rain Forest Destruction
 - Resource Management
 - Article Sections: Managing Renewable Resources, Biodiversity

Resources for Students Reading Above Grade Level

Science In Context

- Advanced Search: Soil (Intermediate Content Level selected)
 - Reference
 - [Deforestation \(Environmental Encyclopedia, 2011\)](#) Updated January 2017
 - [Desertification \(Environmental Encyclopedia, 2011\)](#) Updated September 2016
 - [Agricultural Environmental Management \(Environmental Encyclopedia, 2011\)](#) Updated April 2016
- Advanced Search: Selective Breeding (Intermediate Content Level selected)
 - Reference
 - [Breeding, Selective \(Biotechnology: In Context, 2012\)](#)
 - [Genetically Modified Food \(Opposing Viewpoints Online Collection, 2016\)](#)
 - [Genetically Modified Food \(Biotechnology: In Context, 2012\)](#) Updated August 2015
- Advanced Search: Biodiversity (Intermediate Content Level selected)

- Reference
 - [Biodiversity \(Biology, 2016\)](#)
 - [Clear-cutting \(Environmental Encyclopedia, 2011\)](#) Updated September 2017
- News
 - [Manchester Metropolitan University – Choice of apple tree affects orchard biodiversity, researcher find; Pie filling favourite the Bramley apple is better than counterparts \(ENP Newswire, March 29, 2017\)](#)
- Advanced Search: Organic Farming (Intermediate Content Level selected)
 - Reference
 - [Organic Gardening and Farming \(Environmental Encyclopedia, 2011\)](#)
 - [Organic Agriculture \(Biology, 2016\)](#)
 - [International Federation of Organic Agriculture Movements \(Food: In Context, 2011\)](#)
- Advanced Search: Fertilizer (Intermediate Content Level selected)
 - Reference
 - [Fertilizer, \(Biotechnology: In Context, 2012\)](#) Updated March 2017
 - [Drip Irrigation \(Environmental Encyclopedia, 2011\)](#)
- Advanced Search: Forestry (Intermediate Content Level selected)
 - Reference
 - [Canadian Forest Service \(Environmental Encyclopedia, 2011\)](#) Updated April 2015
 - [Logging \(Environmental Encyclopedia, 2011\)](#) Updated February 2013
 - [Forest Management \(Environmental Encyclopedia, 2011\)](#)
- Advanced Search: Pesticides (Intermediate Content Level selected)
 - Reference
 - [Biological Pesticides \(Biotechnology: In Context, 2012\)](#) Updated March 2017
 - [Best Management Practices \(Environmental Encyclopedia, 2011\)](#) Updated March 2017
 - [Agricultural Chemical \(Environmental Encyclopedia, 2011\)](#) Updated April 2016
 - [Agricultural Environmental Management \(Environmental Encyclopedia, 2011\)](#) Updated April 2016
 - [Sustainable Agriculture \(Environmental Encyclopedia, 2011\)](#) Updated March 2015
 - [Pesticides \(World of Chemistry, 2000\)](#) Updated August 2013
 - [Agricultural Pollution \(Environmental Encyclopedia, 2011\)](#) Updated October 2012

ScienceFLIX

- Life Science
 - Biomes
 - Explore More
 - Biomes in Flux
 - Environmental Pollution
 - Article Sections: Alarmism or Actuality?, Humans in the Ecosystem, What is a Pollutant?, Conventional pollutants, Population and Technology
 - Water Pollution
 - Article Sections: Introduction, Pollution of Groundwater, Sources of Pollution (Agricultural Chemicals)