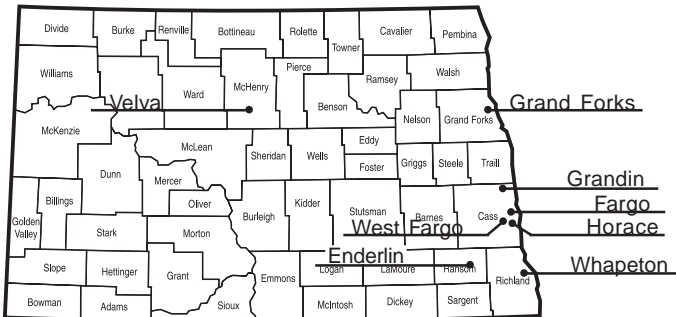


# Oilseed Processing

**Idea:** Discuss different kinds of oils on grocery store shelves.

## Where Does That Oil Come From?

Help students use a North Dakota map to find the cities that have oil processing plants.



## Oilseeds Then and Now

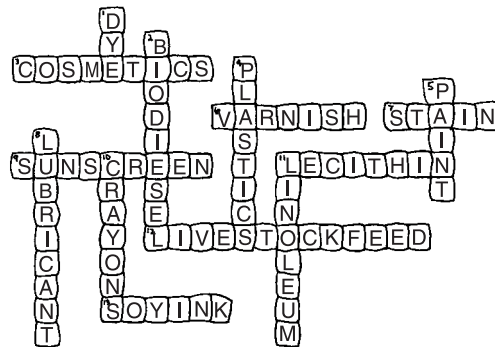
**Idea:** Have students research more about an oilseed or about another oilseed: history, production, current uses, etc.

## Career Corner

**Idea:** Ask a farmer to come speak to the class about his or her operation.

**Idea:** For an advanced science lesson, see the NDSU Extension Service publication "Biodiesel Fuel" by Vern Hofman at [www.ext.nodak.edu/extpubs/ageng/machine/ae1240w.htm](http://www.ext.nodak.edu/extpubs/ageng/machine/ae1240w.htm) to study transesterification: the chemical process that converts vegetable oils to biodiesel. Use Table 3. Potential fuel from North Dakota oil crops to develop math problems.

## Oilseeds are More than Oil



**Idea:** Ask students to bring food labels from home. Read the ingredient lists to see what kinds of oils are in different products.

**Idea:** During harvest, ask a producer to donate a few sunflower heads. During the winter, place them outside your classroom window for a natural bird feeder.

**Idea:** Make a pine cone bird feeder.

Materials Needed:

- Sunflower seeds
- Pine cone
- 2-foot piece of string
- 1/4 cup peanut butter
- 1 tablespoon shortening or lard
- Pie pan

1. Tie string tightly to top of pine cone.
2. Mix peanut butter and shortening or lard until it's all one color.
3. Spread peanut butter mixture on pine cone.
4. Put sunflower seeds in pie pan. Roll sticky pine cone in seeds.
5. Hang the feeder from a tree where the cats can't get to it but where the birds can enjoy this sunflower seed treat.

*From National Sunflower Association*

# Oilseed Distribution

## Where in the World?

**Idea:** Have each student select one of the countries from "Where in the World?" and research the country further. Develop booklets or give presentations to have students learn from each other.

**Idea:** Research what countries import North Dakota's other agricultural products.

**Idea:** Use the lesson "Step by Step" from Project Food, Land & People to have students study the sequence of production steps to discover the resources required and the variety of careers involved in taking a raw food from the field to the consumer.

