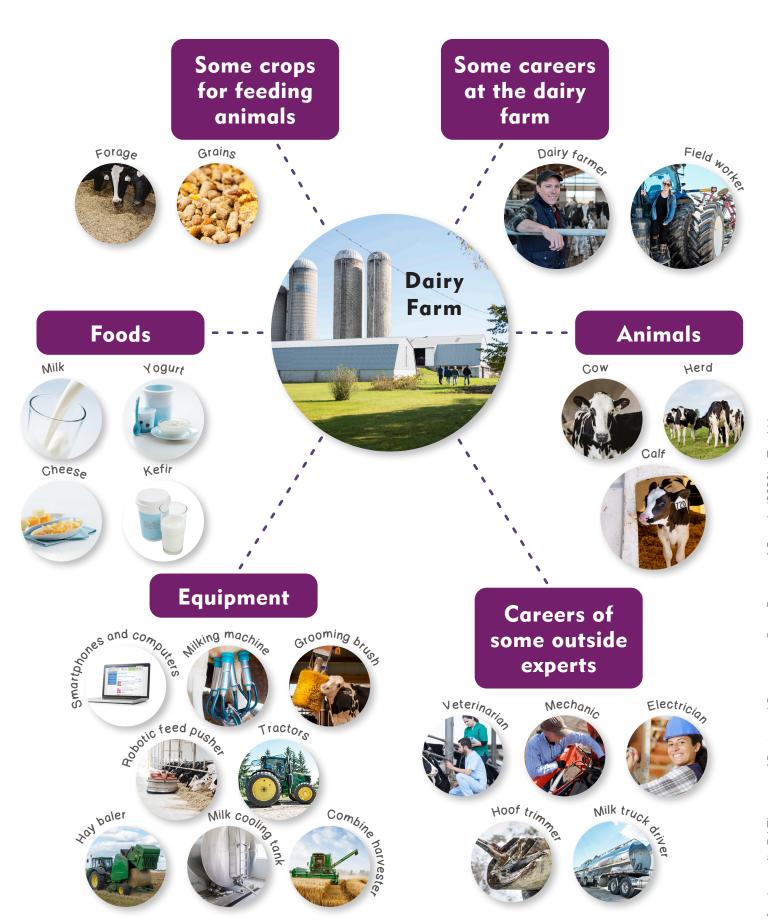
# DAIRY FARM ECOSYSTEM INFOGRAPHIC



# DRIRY FRRM ECOSYSTEM

## full list and definitions

### **FOODS**

**Milk:** Milk is a white liquid produced by a mammal. Milk is also used to make delicious milk products.

**Yogurt:** Yogurt is made from milk and is white and creamy. The texture is silky, thick and smooth.

**Cheese:** Cheese is made from milk and comes in a wide range of flavours and textures.

**Kefir:** Kefir is similar to yogurt but is tangier and slightly carbonated.

### **ANIMALS**

Cow: A bovine that produces milk.

**Calf:** A young cow (female) or bull (male).

**Herd:** A group of cows and calves on a farm.

# **EQUIPMENT**

**Smartphone and computer:** Used by farmers to check the weather, view equipment manuals, monitor cows via webcams and analyze data gathered by automated farm machinery.

Milking machine: Used to milk the cows.

**Grooming brush:** Cows use it to "scratch that itch" and get a massage. It removes dirt to help keep their skin and coat healthy.

**Robotic feed pusher:** A robot that helps keep feed close to the cows. Thanks to this robot, cows do not have to stretch their necks to reach their food.

**Tractor:** A vehicle used to perform many tasks in the fields and on the farm. It is used to pull specialized machinery.

**Hay baler:** A machine, pulled by the tractor, that gathers crops from the fields, such as cut dry hay, which is picked up and squeezed into cubes or round bales for future use.

**Combine harvester:** A machine that harvests grain crops that will be used to feed the animals later in the year.

**Milk cooling tank:** A large storage tank for cooling and holding milk at a temperature below 4°C until it can be picked up by the milk truck.

#### SOME CROPS FOR FEEDING ANIMALS

**Forage or silage:** Grass, clover, alfalfa and other grasses that are cut fresh and stored moist (protected from air) to feed the herd year-round.

**Grains:** Barley, corn and soybeans, dried and then stored dry for feed year-round.

#### **SOME CAREERS AT THE DAIRY FARM\***

**Dairy farmer:** Owns and manages the dairy farm and takes care of the animals. In Canada, farms are family owned and operated.

**Field worker:** Works in the fields to grow various crops and drives tractors.

## **CAREERS OF SOME OUTSIDE EXPERTS\*\***

**Veterinarian:** A doctor for animals.

**Animal nutritionist:** A specialist who tests the nutritional value of feed and designs nutritionally balanced diets for farm animals.

**√ Hoof trimmer:** Gives pedicures to cows.

**Agrologist:** Provides advice about applying scientific knowledge to improve the cultivation of plants, the farm environment and animal care.

**Equipment technician:** Maintains and repairs farm machinery and equipment.

- **▼ Electrician:** A licensed tradesperson who maintains and repairs electrical systems.
- ✓ Mechanic: An expert who maintains and repairs engines, tractors and other farm machinery.

**Financial advisor and accountant:** People who keep track of the farm's finances, budget and taxes.

✓ Milk truck driver: A person who specializes in milk quality and who also delivers milk from the farm to the processor.

**Assessor or validator:** A trained independent assessor who verifies that the farm meets the standards for milk quality, animal care and more.

<sup>\*\*</sup> The careers depicted in the infographic are indicated with a  $\checkmark$ 



<sup>\*</sup> On page 3 of this appendix, there are several pictures of different farms in Canada.

# DIFFERENT DAIRY FARMS IN CANADA

