



HUMAN IMPACTS IN INDUSTRY

Sebastian

Dairy Industry

What is it?

- A dairy is a business enterprise set up for human consumption for the harvest or processing of animal milk, primarily from cows or buffaloes, but also from goats, sheep, horses, or camels. Usually, a dairy is situated on a dedicated dairy farm or in a multi-purpose farm portion that is concerned with milk harvesting.





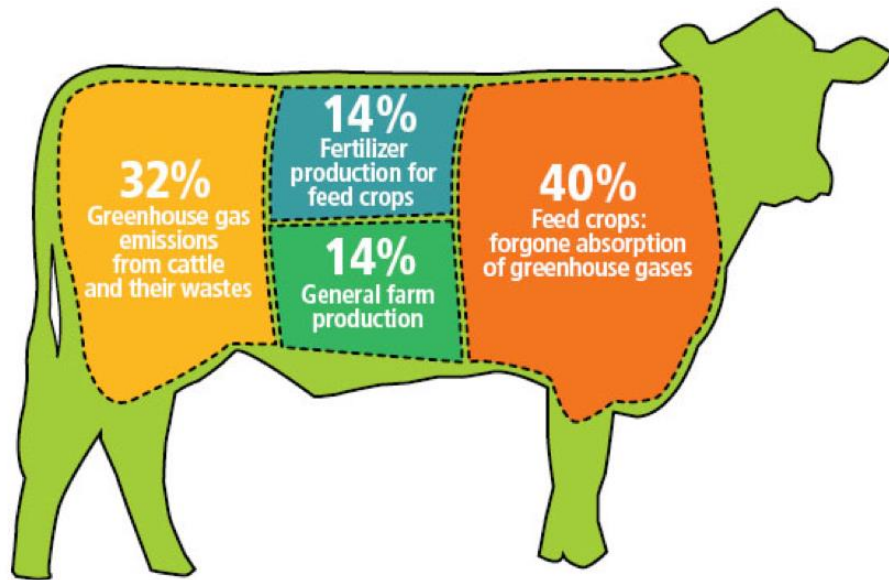
History of Dairy Industry

- On farms where only small numbers are kept, people milked the animals by hand, hand-milking can still be practiced. In the early 20th century, hand-milking was pushed to the side, where the vacuum bucket milking system was invented. It was invented to speed up the operation, which, as they still use today, was a big success.

What is it like now?

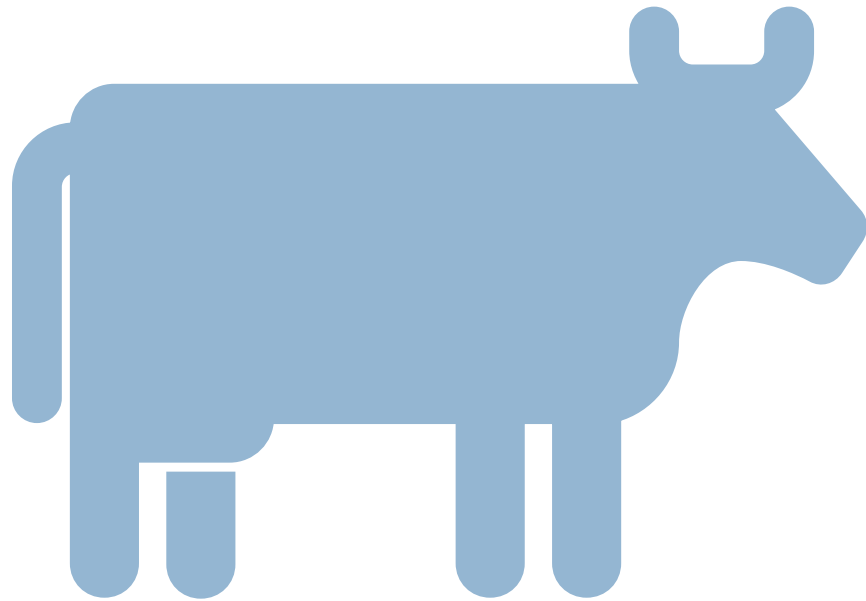
- Now a days most modern farms use a robotic vacuum system which draws the ambient air pressure down from 15 to 21 pounds per square inch of vacuum automatically holds milking machines in place. The vacuum is often used to raise milk vertically into the receiving can, via small diameter hoses. Because of its uses and its popularity, it is also one of the top standards to have in grocery stores.





How does it affect the environment?

- During rumination (the digestive process that helps them to eat grass), cows contain methane and the disposal of their manure (a must when the ground is frozen) often emits methane and nitrous oxide. Therefore, the fewer cows we have on our farms and the more active they are, the greater the effect on the climate. Bad manure and fertilizer management can also degrade local water supplies.



What are safer practices?

- Housing cattle at a density must be one solution that can help with the climate where their water consumption can not be a burden on the local environment. Milk farmers should also house manure with more care and not let out the greenhouse gases emitted into the atmosphere by manure.



What can we do?

- As an individual I myself can reduce my consumption of dairy products. A vegan diet is probably the single biggest way to reduce your impact on planet Earth, not just greenhouse gases. Now that doesn't mean that you must become vegan but reducing the amount you take can go a long way in helping the environment from not just greenhouse gases but also pollution.

The End

- <https://dairyfarmersofcanada.ca/en/dairy-in-canada>
- <https://www.worldwildlife.org/>
- <https://foodprint.org/>
- <https://www.theguardian.com/>