

# Nepal Export Project: Cow Magnets



By: Rick Temming  
University of Guelph  
Prof: Dr. Manish Raizada  
AGR1110



# Where is Nepal Located?

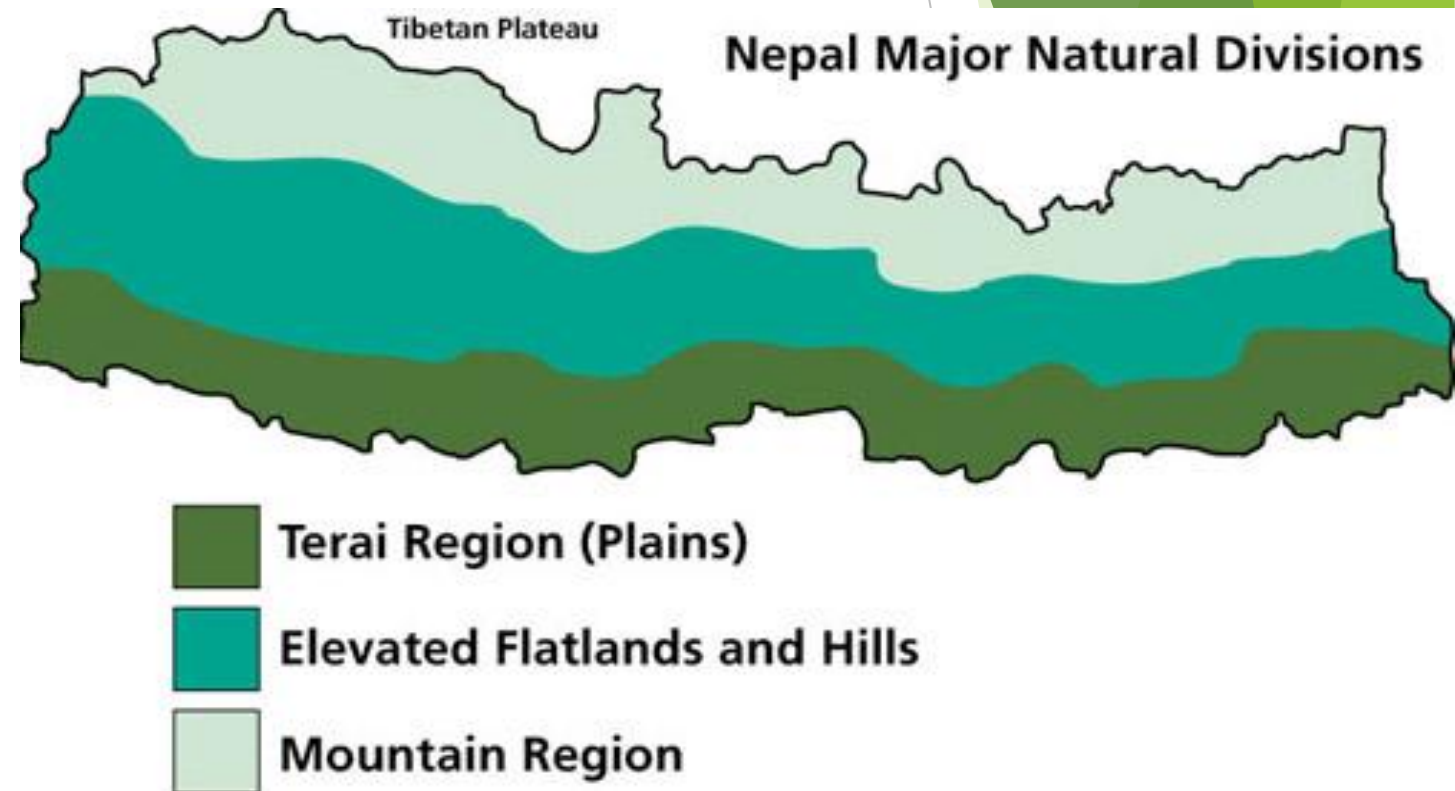


# Types of Regions in Nepal

Terai Region: easy access to waterways, majority of land used for agriculture

Elevated Flatlands and Hills: ideal agriculture  
Climate, hence highly populated with people

Mountain Ranges: crops season limited due to low temperatures and short growing season



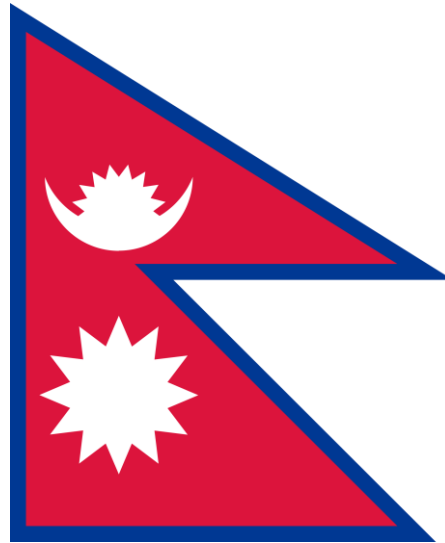
# About Nepal

- ▶ .Currency is Nepalese Rupee
  - ▶ -1 Canadian dollar is equivalent to 79.45 rupees

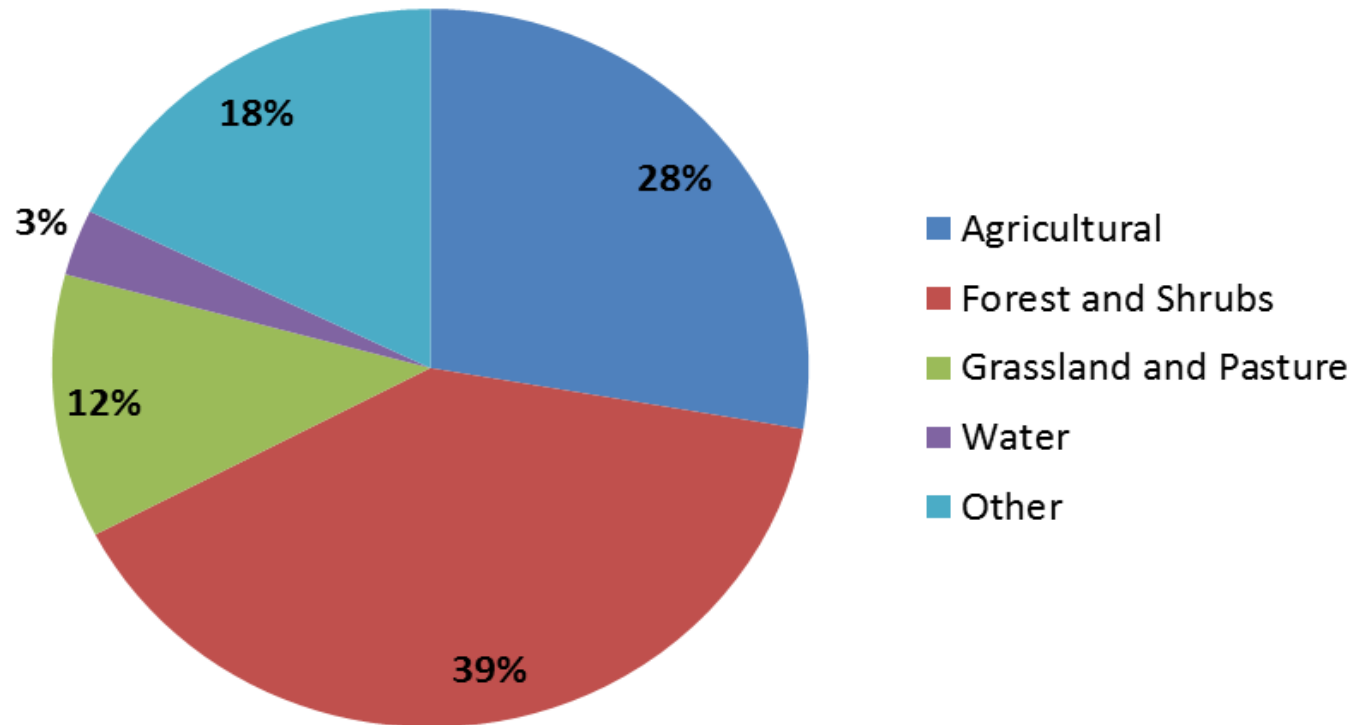
-Low GDP

Religion

- Hinduism
- Buddhism



# Land Use in Nepal



# About Dairy Farms in Nepal



-Milk consumption in Nepal is very high

-Milk production high in demand

-The average dairy herd is about: 4 cows

-The average Nepal Farmer makes just enough money to support his family

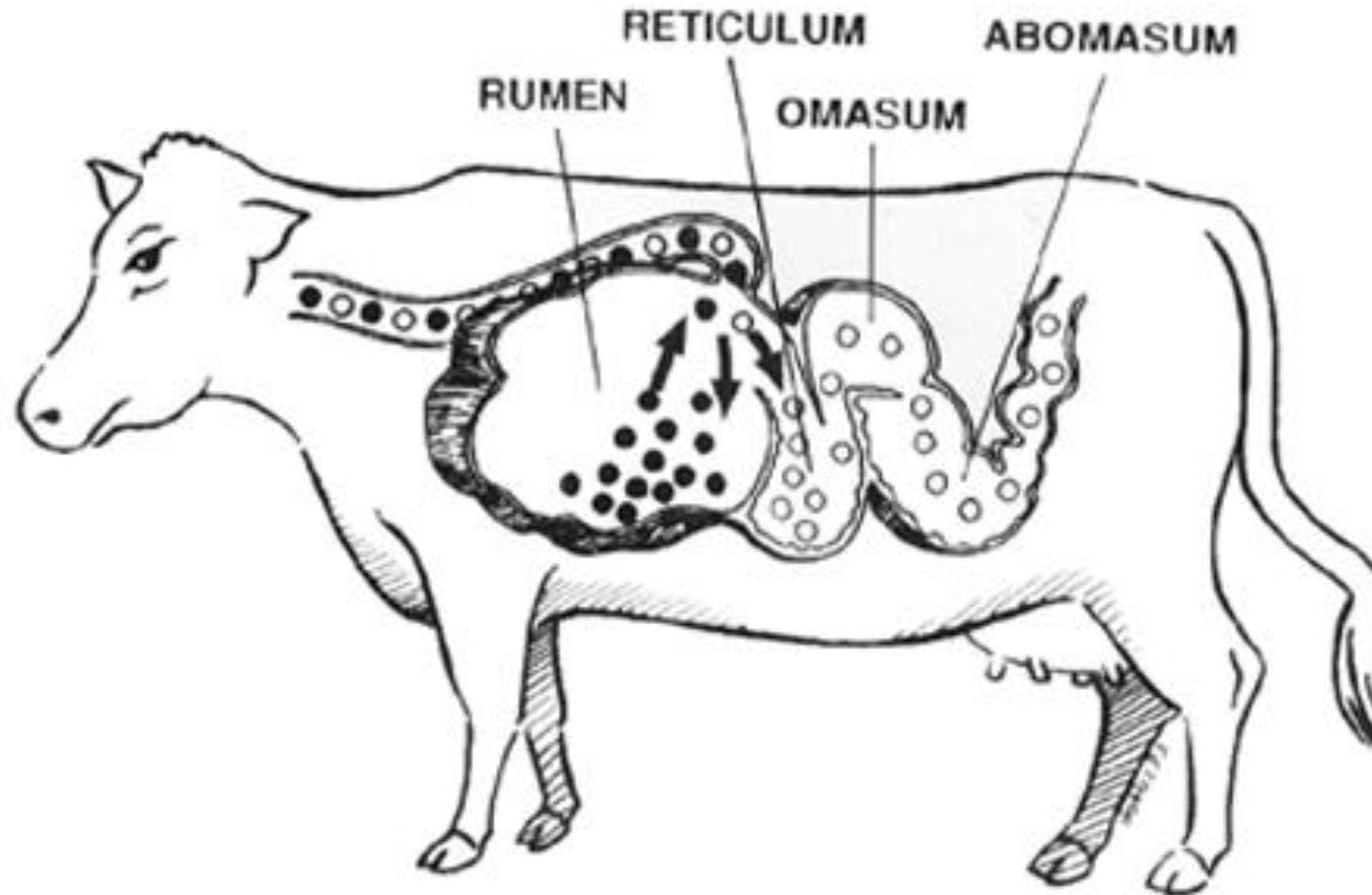


# What does a Cow Magnet do?

- Prevents "Hardware Disease", also known as: Traumatic reticuloperitonitis
- can help cure hardware disease



# Four Stomachs of a Cow





# Company Involved

- Located Saint-Dominique (Quebec)
- Distribute a large variety of Agricultural products, especially in the Dairy Industry



# Cost of Product

- ▶ Cow Magnet (76x13mm)-\$3.99Cdn/magnet
  - ▶ \$316.96 Rupees



- ▶ Magnet Applicator- \$27.25Cdn
  - ▶ \$2164.73 Rupees



# Transportation

- ▶ Flown to Nepal
- ▶ Trucked and distributed to dairy farmers in Nepal



# Benefits to Nepal

- Prevents hardware disease
- In some cases can cure hardware disease
- Magnets can be reused



# Benefits to Canada

- ▶ Contribute to the economy
- ▶ Promotes trade between the two nations
- ▶ Can provide jobs



# In Conclusion/Recommendations

- ▶ **Conclusion:**

- ▶ Inexpensive product that can help Nepal farmers save their sacred cattle
- ▶ Promotes trade between the two countries
- ▶ Easy to Ship to Nepal

- ▶ **Recommendations:**

- ▶ Ship straight from Germany instead of Canada (cheaper/benefits Nepal, but not Canada)



# References

- ▶ Dalby, L. S., & Rigley, T. D. (1999, May 18). Cow Magnet [Abstract]. Cow Magnet. doi:5905425
- ▶ J, B. N., P, L. L., & Corp, F. (Oct 24, 1961). Patent US3005458 - Therapeutic magnet. Retrieved October 18, 2016, from <https://www.google.com/patents/US3005458>
- ▶ Kaura, K. S., & S., K. K. (Sept 2, 1997). Patent US5663701 - Stomach debris collecting magnet. Retrieved October 17, 2016, from <https://www.google.com/patents/US5663701>
- ▶ Mozis, B. G., Edmundson. (Feb 12, 1991). Patent US4992768 - Cow magnet. Retrieved October 17, 2016, from <https://www.google.com/patents/US499276>
- ▶ Nellessen, J. E., & E, N. J. (n.d.). Patent US5128644 - Reusable combination cow magnet assembly and fluid treatment magnet. Retrieved October 17, 2016, from <https://www.google.com/patents/US5128644>



# References Cont'd

- ▶ Van Kooij, K. R. (1978). Religion in Nepal (Vol. 13, Ser. 9004058273). Netherlands: Brill.
- ▶ Shaping our food - an overview of crop and livestock breeding. Edited by A. Lehrman. Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden. Published in 2014, pp. 176. ISBN 978-91-637-5757-0 Available at <http://tr.anpdm.com/track?t=c&mid=11856281&uid=603295709&&http://www.slu.se/shapingourfood/en>. (2014). [Animal Genetic Resources/Ressources Génétiques Animales/Recursos Genéticos Animales](#), 55, 143. doi:10.1017/s2078633614000435
- ▶ Smith, A. (2015). Nepal: Farming the future. Retrieved November 14, 2016, from <https://www.theguardian.com/global-development-professionals-network/adam-smith-international-partner-zone/2015/jan/22/nepal-farming-the-future>





# References-Pictures

- ▶ Balling Gun with Magnet [Digital image]. (n.d.). Retrieved November 13, 2016, from <https://jeida.com.ph/image/cache/catalog/Jeida/Product/Cattle/Balling-Gun-with-Magnet-228x228.gif>
- ▶ Canadian Flag [Digital image]. (n.d.). Retrieved November 13, 2016, from [https://upload.wikimedia.org/wikipedia/en/thumb/c/cf/Flag\\_of\\_Canada.svg/255px-Flag\\_of\\_Canada.svg.png](https://upload.wikimedia.org/wikipedia/en/thumb/c/cf/Flag_of_Canada.svg/255px-Flag_of_Canada.svg.png)
- ▶ Cargo Airplane [Digital image]. (n.d.). Retrieved November 14, 2016, from <https://s-media-cache-ak0.pinimg.com/originals/fa/2e/1a/fa2e1a293ea19c6487d41f96251b2107.jpg>
- ▶ Cow Magnet Applicator [Digital image]. (n.d.). Retrieved November 13, 2016, from [http://livestockconcepts.com/10614-large\\_default/magnet-balling-gun-plastic.jpg](http://livestockconcepts.com/10614-large_default/magnet-balling-gun-plastic.jpg)
- ▶ Cow Magnets [Digital image]. (n.d.). Retrieved November 13, 2016, from [http://livestockconcepts.com/16193-thickbox\\_default/aspen-magna-cow-stainless-steel-magnet.jpg](http://livestockconcepts.com/16193-thickbox_default/aspen-magna-cow-stainless-steel-magnet.jpg)
- ▶ Cow Milked in Himalayas [Digital image]. (n.d.). Retrieved November 13, 2016, from [http://thehimalayantimes.com/wpcontent/uploads/2015/09/THTAB1D91A7\\_dairyfarm1.jpg](http://thehimalayantimes.com/wpcontent/uploads/2015/09/THTAB1D91A7_dairyfarm1.jpg)
- ▶ Map of Nepal [Digital image]. (n.d.). Retrieved November 13, 2016, from [http://ichef-1.bbci.co.uk/news/270/media/images/59575000/gif/\\_59575715\\_nepal.gif](http://ichef-1.bbci.co.uk/news/270/media/images/59575000/gif/_59575715_nepal.gif)
- ▶ Nepal Cow Farming [Digital image]. (n.d.). Retrieved November 13, 2016, from <http://www.hafn.org/wpcontent/uploads/2015/12/CowFarming.jpg>
- ▶ Nepal Flag [Digital image]. (n.d.). Retrieved November 13, 2016, from [https://upload.wikimedia.org/wikipedia/commons/thumb/9/9b/Flag\\_of\\_Nepal.svg/2000px-Flag\\_of\\_Nepal.svg.png](https://upload.wikimedia.org/wikipedia/commons/thumb/9/9b/Flag_of_Nepal.svg/2000px-Flag_of_Nepal.svg.png)
- ▶ Trucks in Asia [Digital image]. (n.d.). Retrieved November 14, 2016, from <http://autolife.com.np/wp-content/uploads/2015/01/4e0022c6f83752b9a274fba771d82c61.jpg>
- ▶ Two Cow Magnets [Digital image]. (n.d.). Retrieved November 13, 2016, from [http://hambydairysupply.com/xcart/images/T/t\\_2485.jpg](http://hambydairysupply.com/xcart/images/T/t_2485.jpg)

