

# Cattle Oilers for Nepalese

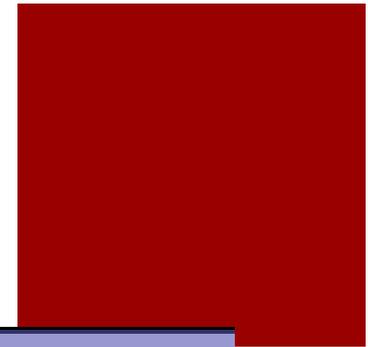


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<http://www.uoguelph.ca/polisci/sites/default/files/images/University-of-Guelph.png>



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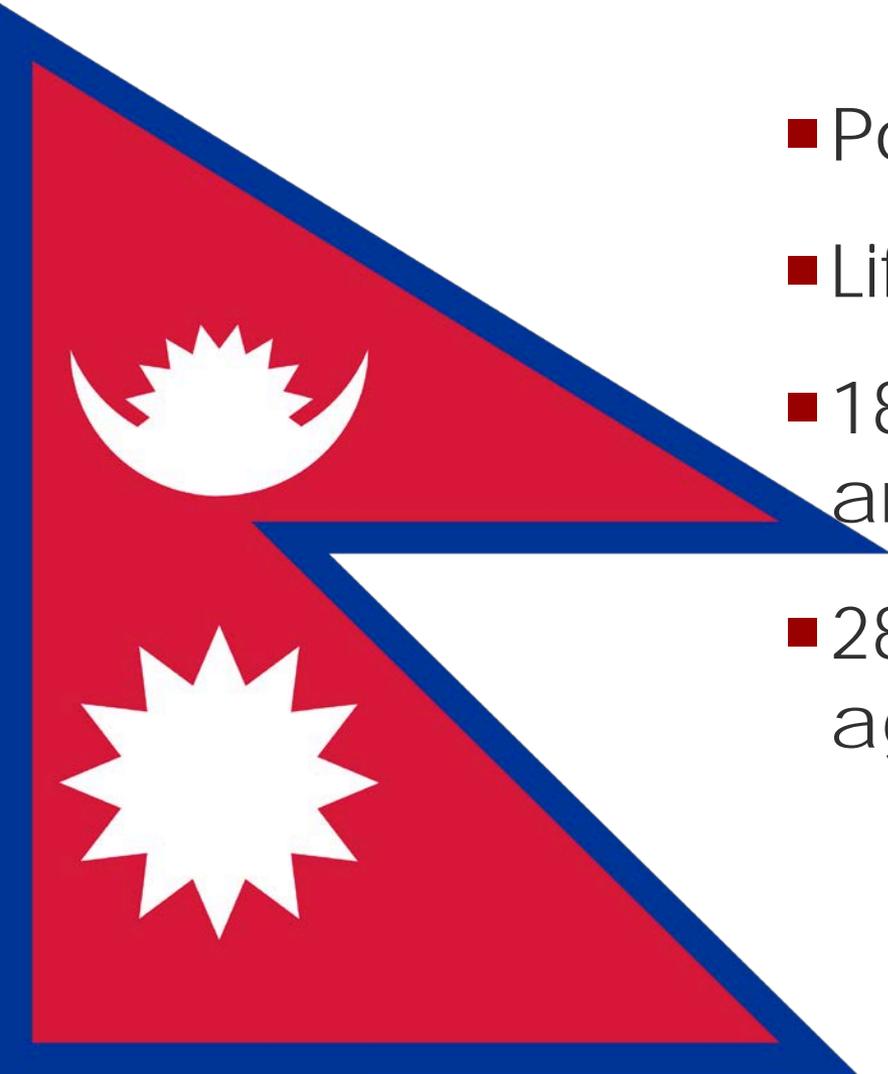
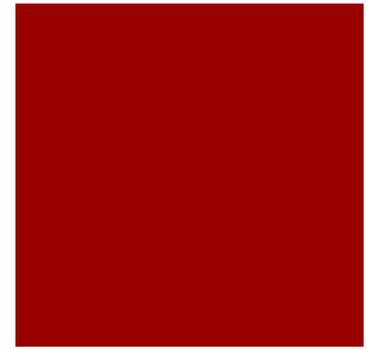
# Nepal



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<http://www.maps.com>  
(805) 685-3100

<https://italianrentalblog.files.wordpress.com/2013/05/jpg>

# Nepal



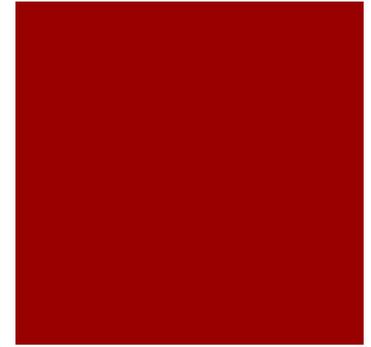
- Population is 31 million
- Life Expectancy is 68 years
- 18.6% of people live in urban areas
- 28.8% of land is used for agricultural purposes

[https://commons.wikimedia.org/wiki/File:Flag\\_of\\_Nepal.svg](https://commons.wikimedia.org/wiki/File:Flag_of_Nepal.svg)



# Livestock in Nepal

- Major livestock include
  - Chicken, Goat, Cattle, and Buffalo
  - Cattle and buffalo are raised mostly in the hills and mountain regions



<http://www.nepalmountainnews.com/cms/wp-content/uploads/2011/08/bangladeshi1.jpg>

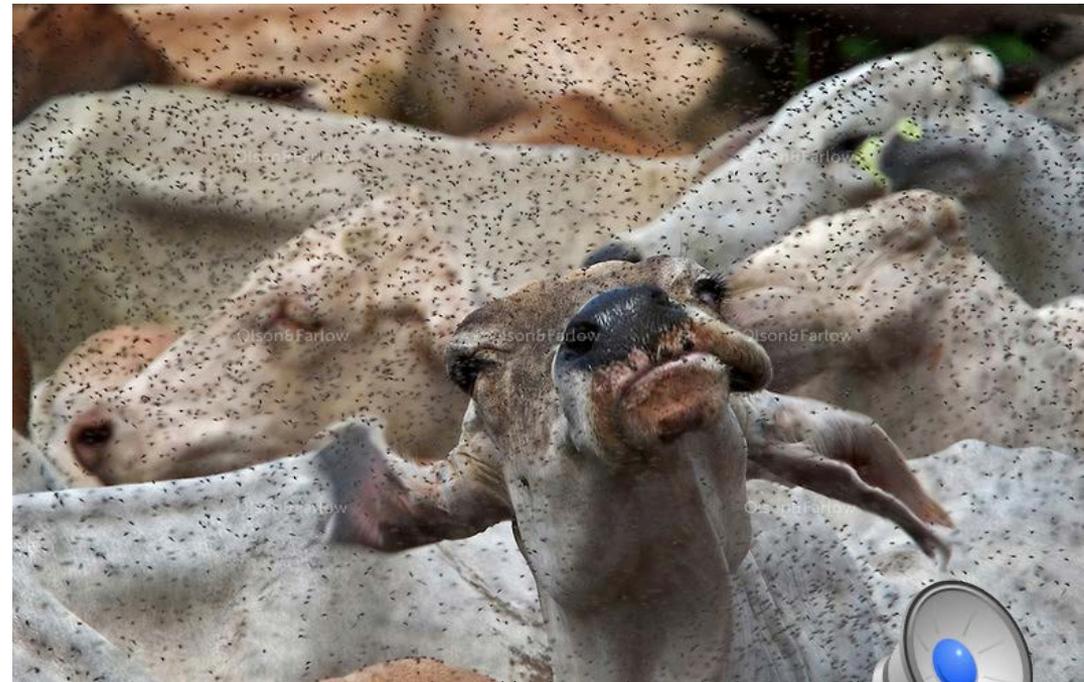
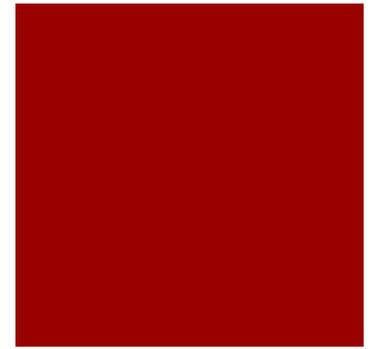


<http://assets.irinnews.org/s3fs-public/images/201210160636250091.jpg>



# Cattle Oilers in Nepal

- Cattle oilers are able to reduce pests that can irritate cattle and carry disease.
- Supplying the people of Nepal with cattle oilers would allow them to have an option to control pests all year long; this would help keep cattle healthy and the cattle industry in Nepal growing.



<http://cdn.c.photoshelter.com/img.get/10000yuNgcwkeGaU/s/780/Thick-fly-on-Cattle-Faces.jpg>



# Lewis Cattle Oilers



- Lewis Cattle Oilers is a Canadian company based out of Manitoba
- Manufactures and distributes cattle oilers and other cattle management products

<http://gelbviehcountry.com/graphics/Lewis-logo.png>



<http://www.lewiscattleoilers.com/images/Small%20Oiler%20Dale%20C.jpg>





# How it Works



- The oiler works by inciting the cattle with their need to scratch.
- The cattle rub up against the chain covered cotton wick, which releases topical insecticide that kills insects.
- The system has low maintenance costs compared to other forms of pest control and virtually no stress on cattle due to the self-treatment.

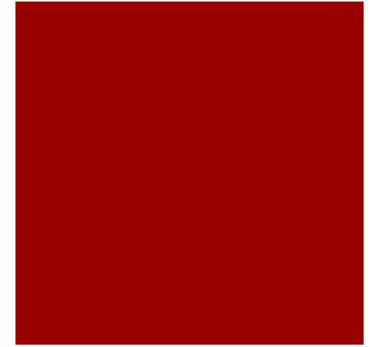
<http://www.lewiscattleoilers.com/images/oiler2.jpg>



<http://www.siouxsteel.com/images/uploads/product-images/cattle-oiler-2.jpg>

# Other Benefits

- In Nepal the oilers could be used on other animals as well, such as buffalo or oxen
- The added salt block holder and mineral feeder would be beneficial in ensuring cattle are also receiving needed vitamins and minerals.

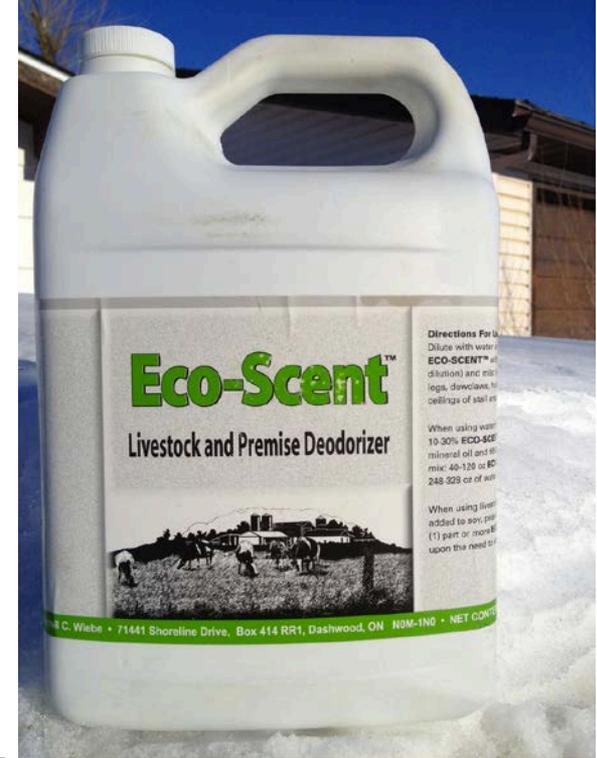


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## Oil

- Homestead Organics is another Canadian company based out of Ontario that has a natural insecticide product called Eco-scent.
- Eco-scent contains castor oil, and essential oils of orange, eucalyptus, citronella, lemongrass and coconut oil
- Can be mixed with diesel fuel or water to fill the oilers



<https://static1.squarespace.com/static/561bcbb0e4b0be9957531ee5/561bfeb5e4b0edc5a708162c/561c2303e4b01d2afd0908c3/1465187045404/?format=1000w>



# Cost

- Lewis Cattle Oiler
  - Single upright cattle oiler- Cost ~\$3000
- Eco-scent
  - Jug - \$139 for 4L



# Shipping



- Shipping costs would be extremely high.
- Oilers and insecticides would have to be shipped from central Canada to the Pacific coast
- Then shipped by boat through the Pacific Ocean into the Bay of Bengal
- Products would then be transported by truck to Nepal farmers
- Once oilers are imported there is low maintenance cost, only oil and parts would need to be shipped continuously.

<http://shirco.com/wp-content/uploads/2015/02/shipping-services-shirco.jpg>



# Benefits to Nep

- Cattle oilers can help stop pink eye, spread by fleas
- Stop spread of helminth diseases (types of worms) which is an ongoing issue in Nepal.
- This will help improve herd health and expansion of the cattle industry, prevent economic loss.
- Lack of preventive care resulting in animal disease hinders the growth of positive affects of livestock
- Preventative care in the form of cattle oilers will allow for improvements to the livelihoods of farmers.



Clemson University  
USDA Cooperative Extension Slide Series  
Bugwood.org



<https://i.ytimg.com/vi/tlaQuUpUqPM/maxresdefault.jpg>



# Benefits to Canada

- Added exports of oilers that increase the economy
- Added business to the Canadian companies Lewis Cattle Oilers and Homestead Organics.
- Strengthen relationships between foreign countries

<http://ncsbc.org/wp-content/uploads/2015/04/Flag-Pins-Canada-Nepal.jpg>



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