



**CHESHIRE BADGER**  
— VACCINATION PROGRAMME —

# VACCINATION WORKS

## THE PROVEN ALTERNATIVE TO CULLING



- ✓ Vaccination reduces the likelihood of badgers developing bovine tuberculosis (bTB) or excreting bTB and therefore transmitting the disease <sup>[1,2]</sup>
- ✓ Vaccination reduces the rate of new infections in badgers by 76% (measured using diagnostic tests) <sup>[3]</sup>
- ✓ Vaccinating more than 1/3 of adults in a badger social group reduces new infections in unvaccinated cubs by 79% (measured by diagnostic tests) <sup>[3]</sup>

Cheshire Badger Vaccination Programme (CBVP) is run by a team of trained volunteers, whose aim is to vaccinate badgers against bovine tuberculosis and therefore produce a reduction in the prevalence of bTB in the badger population and consequently reduce the potential for transmission of bTB from badgers to cattle (and vice versa).

CBVP offers vaccination as a **free** service to farmers and landowners in Cheshire and we do this with the support of Defra, as every £1 we raise, is matched by them. The Badger Trust and Cheshire Wildlife Trust also support the programme.

**Supporting farmers and landowners across Cheshire**

**[WWW.CBVP.ORG.UK](http://WWW.CBVP.ORG.UK)**

# The pros and cons of vaccination versus culling badgers:

<b>Vaccination...</b>	<b>Culling...</b>
<b>Creates bTB free and bTB resistant populations of badgers and therefore has long lasting effects and benefits</b>	<b>Reduces the badger population in the cull zone, for the duration of the cull and has no long term effect on the incidence of bTB in the local badger population</b>
<b>Does not upset sett dynamics and therefore there is a stable population of badgers</b>	<b>Culling disrupts badger social structure, causing them to move around more frequently and over longer distances (known as <i>perturbation</i>) and may result in increased disease transmission (to other badgers and to cattle)</b>
<b>Derbyshire Badger Vaccination Programme estimate the cost of vaccinating badgers at £82 per badger</b>	<b>The government spent £6.6m on culling last year, and the total cost to date is estimated at about £40m – thought to equal about £1,000 for each animal killed.</b>
<b>Is acceptable to the public</b>	<b>Is not supported by the public</b>

## How can you help?



**Volunteers** – if you would like to be involved, please get in touch.



**Fundraising** – contact us if you'd like to join our fundraising team or organise an event or donate items.



Donate directly, please go to our Just Giving page:  
<https://www.justgiving.com/crowdfunding/cbvp>



**Farmers and landowners** – if you'd like to know more about badger vaccination and what it involves, contact us or visit our website:  
[www.cbvp.org.uk](http://www.cbvp.org.uk)

1. Lesellier et al. (2011) Protection of Eurasian badgers (Melesmeles) from tuberculosis after intra-muscular vaccination with different doses of BCG. Vaccine  
2. Chambers et al. (2011) Bacillus Calmette-Guérin vaccination reduces the severity and progression of tuberculosis in badgers. Proceedings of the Royal Society of London B  
3. Carter et al. (2012) BCG Vaccination Reduces Risk of Tuberculosis Infection in Vaccinated Badgers and Unvaccinated Badger Cubs. PloSone