

# Protect your herd from TB

## Restrict contact between badgers and cattle

- Introduce barriers to prevent badgers accessing cattle

## Manage cattle feed and water

- Restrict badger access to feed stores, troughs and mineral licks

For more information see Five Actions on the TB Hub website: <http://www.tbhub.co.uk/biosecurity/protect-your-herd-from-tb/>

## Roller doors/blinds



Fig.1: Roller blind door on feed storage shed

## How does this measure work?

Roller doors, shutters and blinds that fit flush to even ground are a highly effective method of preventing badgers from accessing farm buildings such as feed stores. Roller doors also allow clear access for farm machinery where gates are not practical, yet when shut can provide complete security from badger visits at night. Roller doors can be constructed of solid shutter panels or porous blinds that allow airflow. It is important that when the roller door is shut the bottom bar is flush to even, solid ground such as concrete. Uneven or soft ground is unsuitable as gaps/tractor ruts may allow badgers to squeeze under the lowered door. When roller doors are mounted correctly over solid ground and kept shut at night, they will prevent badger access.

## How has this measure been tested?

Tested by APHA during a 2-year Defra funded project (SE3119) which found that roller doors and shutters mounted to fit flush with the floor were 100% successful in excluding badgers from feed stores when deployed correctly at night. Badger visits to the rest of the farm buildings also reduced as a result of being unable to access easily available food sources.

Product examples	Approximate Guide Price (£*)
Industrial style roller shutter (solid panels), 3 m W x 5 m H (motor drive or manual crank handle/counter balance).	Motorised: £1700 - £1900 Manual: £1000 - £1200
Agricultural roller blinds (porous net materials), 3 m W x 5 m H (motor drive or manual crank handle/counter balance).	Motorised: £1375 - £1600 Manual: £1000 - £1200
* Prices listed exclude VAT and cost of fitting (as of January 2017)	

## Examples of biosecurity measures: Roller doors/blinds

### Case study A (Before):

Badgers were observed on a surveillance camera entering a feed store and calf shed on almost a nightly basis on this farm (Fig.2). Despite having a roller door on the entrance, badgers were able to enter the building due to tractor tyre ruts leaving a gap of approximately 20 cm beneath the door. Occasionally several badgers, including a mother and cubs, were seen visiting the building (to access cake concentrates, grain and calf feed/water troughs).



Fig. 2: Roller door to feed store

### Case study B (After):

In order to prevent badgers gaining access to the feed store modifications were made to the ground surface under the roller door to allow it to close flush with the ground (Fig.3). A concrete floor laid under the roller door prevented badgers from squeezing underneath the shutter. Not only did this simple measure prevent badgers accessing cattle feed, but badger visits to other areas of the farm reduced significantly, as shown by cameras placed on other parts of the farm during the 2 year study.



Fig. 3: Improved floor beneath roller door

### Measure recommendations

Roller doors on barn or feed store entrances.

- Heavy duty metal shutters or durable porous material allowing ventilation, as required for building, usage and environmental conditions.
- Requires level ground below the door (preferably hard standing) to prevent badgers digging underneath or gaps appearing as a result of vehicle tracks.
- Door systems with lateral guide rails are required so that no vertical gaps exist between the frame and the roller door.