

## RECOMMENDED VACCINATION PROTOCOL PRIOR TO TURNOUT

Plan ahead for new vaccinators:

### NEW VACCINATORS



### ANNUAL BOOSTERS



Cattle will be in the yard before turnout, so plan to give the second dose of primary courses at the same time as the annual Bovilis® BVD boosters for the rest of the herd

Natural service spreads leptospirosis so remember to vaccinate the bull

## UK LEPTOSPIROSIS VACCINES

Licensed to protect against both UK strains

Licensed to improve herd fertility

Developed from a UK isolate of *L.hardjo*

Can be given at the same time as Bovilis® BVD

Proven reduced urinary shedding

#### LEPTAVOID®-H



#### VACCINE S



### References

1. BeefCheck and DairyCheck data, January 2018 - August 2019. DairyCheck is based on BMT, BeefCheck is based on serological testing of cohort groups.
2. Ellis WA *et al.* Res Vet Sci 1988; 44: 375-379.
3. Williams *et al.* BCVA, Edinburgh, 1996.
4. Dhaliwal GS *et al.* Vet Record 1996; 138: 334-335.

Always speak to your Animal Health Professional for advice

**Use medicines responsibly.** Please visit [www.noah.co.uk/medicine-topics/responsible-use-of-animal-medicines](http://www.noah.co.uk/medicine-topics/responsible-use-of-animal-medicines) for more information.

Leptavoid®-H contains inactivated *Leptospira interrogans* serovar Hardjo. Legal category: Leptavoid®-H [POM-VPS]. Bovilis® BVD is an inactivated vaccine containing cytopathogenic BVD virus strain C86. Legal category: Bovilis® BVD [POM-V]. Leptavoid®-H and Bovilis® BVD are the property of Intervet International B.V. or affiliated companies or licensors and are protected by copyrights, trademark and other intellectual property laws.

**Leptavoid®-H**  
DOUBLE PROTECTION\*

# CONTROL LEPTOSPIROSIS BEFORE IT CONTROLS YOU!



**BOVILIS**  
Protect the future

\*For the active immunisation of cattle from 1 month of age against *Leptospira interrogans* serovar Hardjo (*L. hardjo* Prajito) and *Leptospira borgpetersenii* serovar Hardjo (*L. hardjo* Bovis). To reduce shedding of *Leptospira interrogans* serovar Hardjo in urine. To improve herd fertility when infertility is diagnosed as caused by *Leptospira* Hardjo.



For information regarding side effects, precautions, warnings and contra-indications please refer to the datasheet at [www.noah.co.uk/medicine-topics/responsible-use-of-animal-medicines](http://www.noah.co.uk/medicine-topics/responsible-use-of-animal-medicines). Further information is available from MSD Animal Health, Walton Manor, Walton, Milton Keynes, MK7 7AJ. Tel: 01908 685 685 • [vet-support-uk@merck.com](mailto:vet-support-uk@merck.com)

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## THE DISEASE

**Leptospirosis is one of the most commonly seen diseases in dairy and beef herds.**

Surveys show that 70% of dairy farms and 18% of beef farms have been exposed to leptospirosis<sup>1</sup>.

Leptospirosis is caused by infection with a type of bacteria called *Leptospira*. It is spread through contact with urine, placental material or the aborted foetus of infected animals and can also be transmitted through contaminated water.

Leptospirosis can be passed to humans; infected herds pose a risk to all farm workers. The disease in cattle causes milk drop, fever, weak calves, infertility, abortion and loss of appetite.

**Two strains of leptospirosis threaten UK herds<sup>2</sup>.**

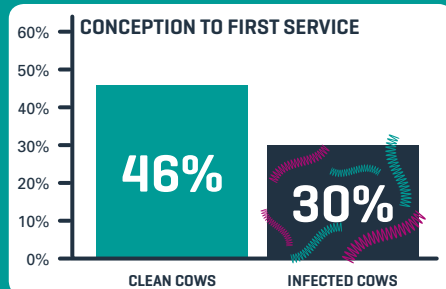
Although quite similar, genetic tests have shown that *L.hardjo prajitno* and *L.hardjo bovis* are different.



## BY HOW MUCH CAN LEPTOSPIROSIS LOWER FERTILITY?

Fertility records were analysed from 529 cows in 5 herds<sup>3</sup>:

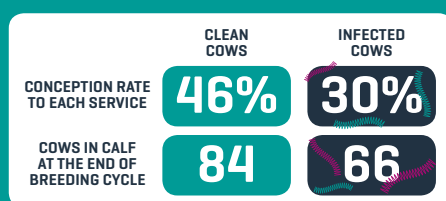
- Leptospirosis infected cows vs clean cows were determined by blood tests
- Leptospirosis significantly reduces herd fertility



## WHAT DOES THIS MEAN PRACTICALLY?

For a 100 cow herd, optimum bull ratio/AI, over 3 breeding cycles (9 weeks):

- 18 less cows in calf



## RISK FACTORS

- Waterways** - contaminated water will spread disease
- Grazing with sheep** - sheep can be carriers of disease
- Using a bull of unknown disease status** - natural service spreads disease through herd
- Buying in stock with unknown disease status** - unknowingly introduce disease onto farm

## DIAGNOSIS

Many herds are unaware of their infection status. Yet there is a simple, subsidised test supplied by MSD Animal Health to screen for leptospirosis called DairyCheck or BeefCheck, available from your vet.

**CONTROL LEPTOSPIROSIS BEFORE IT CONTROLS YOU!**  
LEPTOSPIROSIS IS A RISK TO HUMANS

## LEPTAVOID®-H IS THE UK'S ONLY LEPTOSPIROSIS VACCINE WITH TWO STRAIN PROTECTION

**ONLY LEPTAVOID®-H protects herds against both UK strains of leptospirosis.**

Leptospirosis is associated with poor conception rates, high culling rates and increased abortion.

**ONLY LEPTAVOID®-H is licensed to improve fertility where problems are caused by *Leptospira Hardjo*.**

A UK study showed Leptavoid®-H increased conception rates in herds with leptospirosis.

Results of the study in herds with a high prevalence of leptospirosis, showed that vaccination with Leptavoid®-H significantly increased overall conception rate by 69%<sup>4</sup>.

**ONLY LEPTAVOID®-H is licensed to be used concurrently with Bovilis® BVD.**

Please speak to your veterinary advisor for details.

**LEPTAVOID®-H reduces urinary shedding of leptospira.**

Reducing urinary shedding reduces the disease challenge to other stock.

**ONLY LEPTAVOID®-H provides DairyCheck and BeefCheck subsidised herd screening tests.**



**CAN BE ADMINISTERED AT THE SAME TIME AS YOUR BOVILIS BVD VACCINE - PROTECTION MADE SIMPLE**

## VACCINATION WITH LEPTAVOID®-H

Primary course: 2 x 2ml doses 4 weeks apart

2ml annual booster

Pack sizes: 20ml and 50ml



\*\*Leptavoid®-H may be administered with Bovilis® BVD for use in cattle from 8 months of age.

**BOVILIS**  
**Leptavoid®-H**  
DOUBLE PROTECTION\*

**FOR FURTHER ADVICE TALK TO YOUR VET OR ANIMAL HEALTH PROFESSIONAL TODAY**