

BVD New Zealand FREE

...building the business case for BVD eradication



BVD PLANNING TOOL

2019/2020 Season

Beef

Farmer Name:

NAIT or MINDA number:

Veterinarian / Veterinary Clinic:

Date:

For more information, visit www.bvdfree.org.nz

How do I remove BVD and keep it of my business?

Work through the checklist below to plan what you need to get and keep your cattle BVD Free in the 2019/2020 season.

What do I need?

Recommended

Annual Young Stock Screening

If any virus results were positive:

Perform a Herd PI Hunt

Step 1

Did you perform any antibody screening in youngstock in the 2018/2019 season? Yes No

If yes, what were the results?

S/P Ratio _____

High Ab/
Positive

Moderate Ab/
Exposed

Low Ab/
Negative

Were there any known virus positive animals on farm in the 2018/2019 season? Yes No

Step 2

Will you be purchasing or leasing bulls for the 2019/2020 season? Yes No

If Yes:

Test and Vaccinate Bulls

Step 3

Will your replacement heifers and mixed-age cows have any of these risk factors in the 2019/2020 season?

If buying in heifers or cows:

Test Purchased Replacements

If Yes to any other risk factor:

Vaccinate Mixed Age Cows

Vaccinate Heifers

	Heifers	Cows
Buying in replacement breeding females	<input type="checkbox"/>	<input type="checkbox"/>
Grazed off-site in contact with other cattle	<input type="checkbox"/>	<input type="checkbox"/>
Nose-to-nose contact with neighbouring cattle	<input type="checkbox"/>	<input type="checkbox"/>
Cattle moved on-site for grazing or rearing	<input type="checkbox"/>	<input type="checkbox"/>
Cannot remove PI animals before mating*	<input type="checkbox"/>	<input type="checkbox"/>
Shared yards, vehicles, and equipment	<input type="checkbox"/>	<input type="checkbox"/>

* Note: The transmission of BVD from PI calves to susceptible dams in the pre-weaning period is a major risk factor for the disease becoming chronic in extensive beef herds.

Step 4

Testing all calves being kept as replacement breeders (bulls and heifers) for virus is the best way to make sure BVD stays out.

Recommended

Test Keeper Calves

How much will it cost to test my herd for BVD?

Annual Young Stock Screening

Monitoring BVD antibody levels in a pooled sample of bloods taken from 15 replacement heifers between 10 and 18 months of age helps keep track of whether your cattle are being exposed to BVD from sources on or off farm.

Screening Details:

\$

*Note: Antibody screening tests can not differentiate between naturally derived and vaccinated antibodies. Vaccinated animals should not be used for antibody based herd screening tests.

Perform a Herd PI Hunt

If there is evidence of BVD virus actively circulating through your herd, you may have persistently infected (PI) animals in any age group from calves to mixed-age cows. Testing individual cattle for virus is the best way to identify and remove PIs to break the transmission cycle in your herd. *

	\$ / Unit	# Units	Total
Veterinary Callout and Mileage Fees			
Animal Sampling Fees (Blood, Milk, or Ear Notch)			
Courier Fees			
Laboratory Test Costs (PCR or Antigen ELISA)			
Other Costs			

* Note: Once an animal has tested negative for BVD, it can be certified as being non-PI for life. Animal that test positive for BVD should be re-tested for virus in 3 to 4 weeks to confirm that they are PI instead of just transiently infected.

\$

Test Keeper Calves

Even with the best biosecurity, there is still a small chance that animals will become infected during pregnancy and produce a PI calf. The best way to identify if PI calves have been born is to test all calves as early as possible. This can easily be done when the calves are being ear tagged or disbudded. *

	\$ / Unit	# Units	Total
Veterinary Callout and Mileage Fees			
Animal Sampling Fees (Blood, Milk, or Ear Notch)			
Courier Fees			
Laboratory Test Costs (PCR or Antigen ELISA)			
Other Costs			

* Note: For calves under 35 days of age, it is recommended to perform PCR instead of antigen ELISA to prevent maternal antibodies from colostrum interfering with the test.

\$

How much will it cost to manage purchased animals for BVD?

Test and Vaccinate Bulls

All purchased replacement breeding heifers, cows, and bulls should be tested for virus and ideally vaccinated ***before*** they move onto your property. Talk to your veterinarian, stock agent, or the selling farmer to arrange this.

Test Purchased Replacements

Notes:

\$

How much will it cost to vaccinate my herd for BVD?

Vaccinate Mixed Age Cows

Vaccination pre-mating can be a useful tool to help protect breeding cattle from BVD infections when they are at risk of creating PI calves. Animals that have never been vaccinated against BVD before will need to receive two doses of the vaccine for full protection. All previously vaccinated animals should receive a single annual booster. The two vaccines licensed for foetal protection in New Zealand are Bovilis® BVD from MSD and Ultravac® BVD from Zoetis.

Vaccinate Heifers

The first dose (if needed) can be given anywhere from 4 weeks to 6 months prior to the final dose at the most convenient time.

The final or annual dose should be given 4 weeks prior to PSM.



	\$ / Unit	# Units	Total
Veterinary Callout and Mileage Fees			
Cows (First dose) Date: ___/___/_____			
Cows (Final dose) Date: ___/___/_____			
Heifers (First dose) Date: ___/___/_____			
Heifers (Final dose) Date: ___/___/_____			
Other Costs			

Should I vaccinate my calves as well?

Vaccinating calves against BVD may help to reduce the negative impacts of BVD on calf health and performance in severely affected herds. However, there is no clear evidence that there are significant economic benefits. For most herds, it is likely better to invest in identifying and removing PI animals to prevent transmission.

\$

When should I be testing and/or vaccinating my herd?

Step 1

Mark the following routine management events on the calendar.

- | | |
|--|--|
| <input type="checkbox"/> Planned Start of Calving (Heifers and Cows) | <input type="checkbox"/> Weaning |
| <input type="checkbox"/> Planned Start of Mating (Heifers and Cows) | <input type="checkbox"/> Grazing off farm |
| <input type="checkbox"/> Pregnancy Scanning | <input type="checkbox"/> Purchasing Replacements |
| | <input type="checkbox"/> Purchasing Bulls |

Step 2

Mark the following BVD testing and vaccination events from Pages 2 and 3 on the calendar.

- | | | |
|---|--|---|
| <input type="checkbox"/> Youngstock Screening | <input type="checkbox"/> Vaccinating Heifers | <input type="checkbox"/> Testing/vaccinating replacements |
| <input type="checkbox"/> Calf Testing | <input type="checkbox"/> Vaccinating Cows | <input type="checkbox"/> PI Hunt |

Calves

Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun

R1 Heifers

Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun

R2 Heifers

Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun

R3 Heifers

Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun

MA Cows

Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun

Bulls

Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun

Summary of BVD Management Plan for the 2019/2020 Season

Transfer the total estimated costs from Pages 2 and 3 to work out total costs for the season.

<input type="checkbox"/> Annual Young Stock Screening	\$ <input type="text"/>
<input type="checkbox"/> Perform a Herd PI Hunt	\$ <input type="text"/>
<input type="checkbox"/> Test and Vaccinate Bulls	\$ <input type="text"/>
<input type="checkbox"/> Test Purchased Replacements	\$ <input type="text"/>
<input type="checkbox"/> Vaccinate Mixed Age Cows	\$ <input type="text"/>
<input type="checkbox"/> Vaccinate Heifers	\$ <input type="text"/>
<input type="checkbox"/> Test Keeper Calves	\$ <input type="text"/>
<input type="checkbox"/> Other _____	\$ <input type="text"/>

Total Estimated Cost

\$

Additional Notes

I understand that the above figures are estimates only and that the actual cost of services may vary during the season. Although BVD Free New Zealand has made every effort to ensure the clinical accuracy of the recommendations, the veterinarian in charge takes full responsibility for the BVD management recommendations implemented in this herd.

Farmer Signature

Veterinarian Signature

Date: