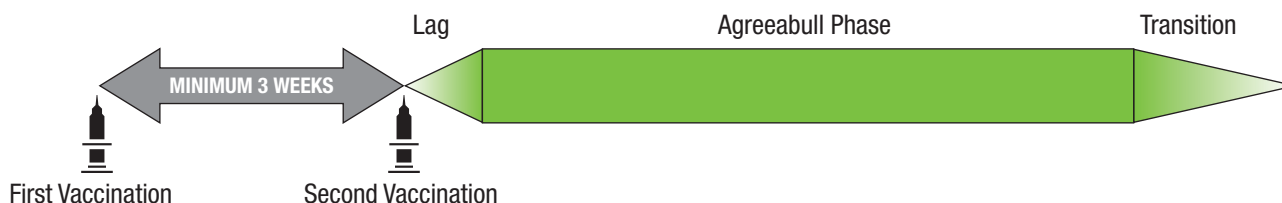


WHAT HAPPENS AFTER BOPRIVA VACCINATION?

Bopriva causes temporary suppression of testosterone following a two shot vaccination regime, which improves the behavioural management of bulls.



Lag phase: It takes **9 days** after the second vaccination until maximum testosterone suppression is achieved. So it is recommended to wait **at least 10 days after the second vaccination** before mobbing unfamiliar groups of bulls.

Agreeabull phase: This is the period of maximum testosterone suppression and behavioural control.

Transition phase: Agreeabulls are gradually reverting to bulls over a period of a few weeks as the treatment effect wears off.

FLEXIBLE DOSING SCHEDULE

Clinical trials demonstrate a unique feature of Bopriva vaccine – the **duration of testosterone suppression** is dependent on the **interval between the first and second vaccinations**. The benefit of this effect is that farmers can use the vaccination interval to **manipulate the length of Agreeabull behaviour**, to suit their own systems and objectives.

Short vaccination interval. (3–4 weeks)	Long vaccination interval. (6–8 weeks)
Short winter season.	Long winter season.
Mobbing bulls & short term behavioural control.	Mobbing bulls & longer term behavioural control.
Early finishing bulls – late winter / spring slaughter.	Later finishing bulls – Spring / summer slaughter.

BALANCING BEHAVIOURAL CONTROL AND GROWTH

Clinical trials show that the growth rates and yield of Agreeabulls are normally equivalent to untreated bulls under the same winter grazing conditions and stocking rates.

However prolonged periods of immuno-castration could potentially influence growth rate, fat deposition and grade, particularly if the effect extends into the spring. So the **timing of vaccination** is important to ensure that the testosterone levels are not suppressed for longer than desired and are returning to normal in the spring.

PLANNING VACCINATION DATES

Careful planning of vaccination dates is required. To achieve the best results from Bopriva farmers **must** answer two questions.

When do I want the Bopriva effect to start and how long do I want it to last?

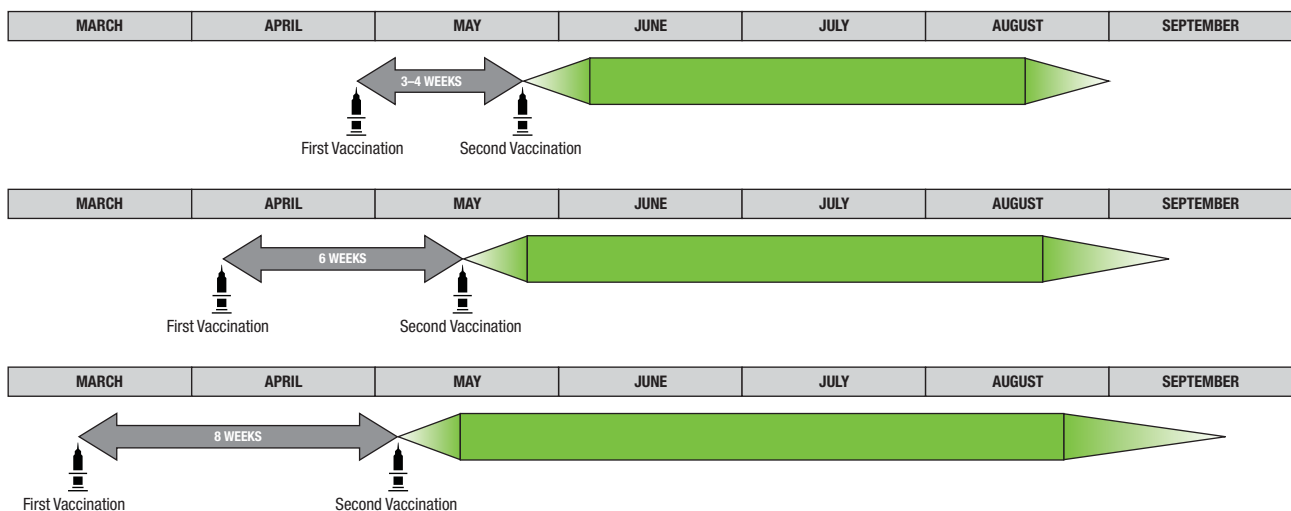
Start Date: The **second injection of Bopriva** should be given **10 days before this date**.

Duration of Effect: The **first injection of Bopriva** is recommended to be given **3 to 8 weeks before the second injection** – depending on the **duration of effect** required. The following table can be used as a guide.

Vaccination Interval	Minimum Duration of Effect (Post Second Bopriva Injection)
3–4 weeks	12 weeks
6 weeks	14 weeks
8 weeks	16 weeks

Note all timings are approximate – individual and mob results will vary.

Examples of different vaccination regimes are shown below.



For more information contact your local veterinarian, or Pfizer Animal Health on **0800 100 109** or visit **www.bopriva.co.nz**