



WE *respect* **ANIMALS**

VETERINARY MEDICAMENTS PRODUCER

Vaccines and vaccination schemes for cattle



The vaccination schemes have recommendation advice only, everytime depends on veterinarian and individual situation in farm.



BioBos Respi 2 intranasal lyophilisate and solvent for nasal suspension

Intranasal live vaccine against major viral pathogens of Bovine respiratory disease complex (BRDC) caused by Bovine respiratory syncytial virus and Parainfluenza 3 virus.

Indications: For the active immunization of calves from the age of 10 days against BRSV and PI3V, to reduce the amount and duration of excretion of both these viruses of both these viruses.

Package: 1 x 5 doses



BioBos Respi 3 injection suspension for cattle

Inactivated vaccine against Bovine respiratory disease complex (BRDC)

Indications: For active immunisation of cattle against Parainfluenza 3 virus to reduce infection, Bovine respiratory syncytial virus to reduce infection and clinical symptoms, and germs of *Mannheimia (Pasteurella) haemolytica* serotype A1 to reduce clinical symptoms and pulmonary lesions.

Package: 10 ml and 50 ml



BioBos Respi 4 injection suspension for cattle

Inactivated vaccine against Bovine respiratory disease complex (BRDC)

Indications: For active immunisation of cattle against Parainfluenza 3 virus to reduce infection, Bovine respiratory syncytial virus to reduce infection and clinical symptoms, Bovine viral diarrhoea virus to reduce infection, and germs of *Mannheimia (Pasteurella) haemolytica* serotype A1 to reduce clinical symptoms and pulmonary lesions.

Package: 10 ml and 50 ml



BioBos Respi 5 lyophilisate and suspension injection

Inactivated vaccine against Bovine Respiratory Disease Complex, with IBR marker live.

Indications: For the active immunisation of cattle against: IBR to reduce the intensity and duration of clinical signs of infection, and to reduce excretion of field virus; Bovine Parainfluenza 3 virus (PI3V), to reduce infection; Bovine Respiratory Syncytial Virus (BRSV), to reduce infection and clinical signs; Bovine Viral Diarrhea (BVD), to reduce respiratory infection; Mannheimia haemolytica serotype A1 germs, to reduce clinical signs and **pulmonary lesions.**

Package: 10 ml and 50 ml



BioBos IBR marker live lyophilisate and solvent for suspension

Live marker vaccine against IBR (BHV-1)

Indications: For active immunization of cattle from 2 weeks of age to reduce the intensity and duration of the clinical symptoms caused by the BHV-1 (IBR) virus and to decrease the excretion of the field virus. Possibility of intranasal and intramuscular injection.

Package: 10 x 10 ml and 100 ml



BioBos IBR marker inact. injection suspension for cattle

Inactivated marker vaccine against IBR (BHV-1)

Indications: For active immunization of cattle to reduce intensity and term of the clinical symptoms caused by BHV-1 (IBR) virus and to reduce excretion of the field virus.

Package: 10 x 10 ml and 100 ml



The vaccination schemes have recommendation advice only, everytime depends on veterinarian and individual situation in farm.



BioBos RCC injection suspension for cattle

Inactivated vaccine against rota, corona and coli-infections of calves

Indications: Active immunisation of pregnant heifers and cows by only one dose of vaccine in order to raise antibodies against rotavirus, coronavirus and *E. coli* having the adhesin F5 (K99) and induce passive immunisation of calves against neonatal diarrhoea.

Package: 2 ml, 10 ml, 50 ml, 100 ml



MORAXEBIN NEO injection suspension for cattle

Inactivated vaccine against bovine infectious keratoconjunctivitis.

Indications: Immunoprophylaxis of infectious bovine keratoconjunctivitis in cattle from 1 month of age.

Package: 100 ml



KOLIBIN RC Neo injection suspension for cattle

Inactivated vaccine against rota, corona and coli-infections of calves

Indications: Active immunisation of pregnant heifers and cows for the purpose of passive immunisation of calves against gastro-enteric diseases caused by rotavirus, coronavirus and enteropathogenic *E. coli* strains.

Package: 50 ml



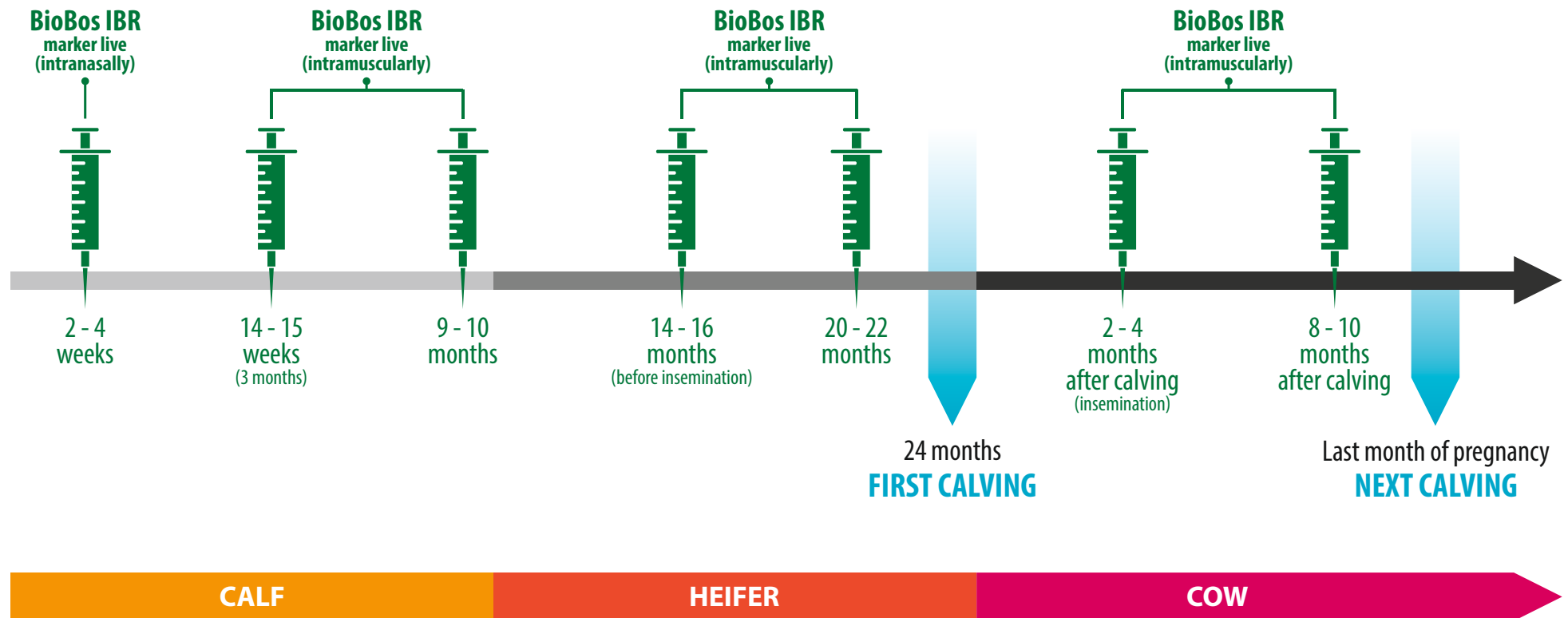
BioBos L(6) injection suspension for cattle

Inactivated polyvalent vaccine against leptospirosis of cattle

Indications: For active immunisation of cattle from 4 weeks of age against leptospirosis (6 serovars contained in the vaccine) to prevent infection, protection of embryos and foetuses and excretion of leptospira especially by urine.

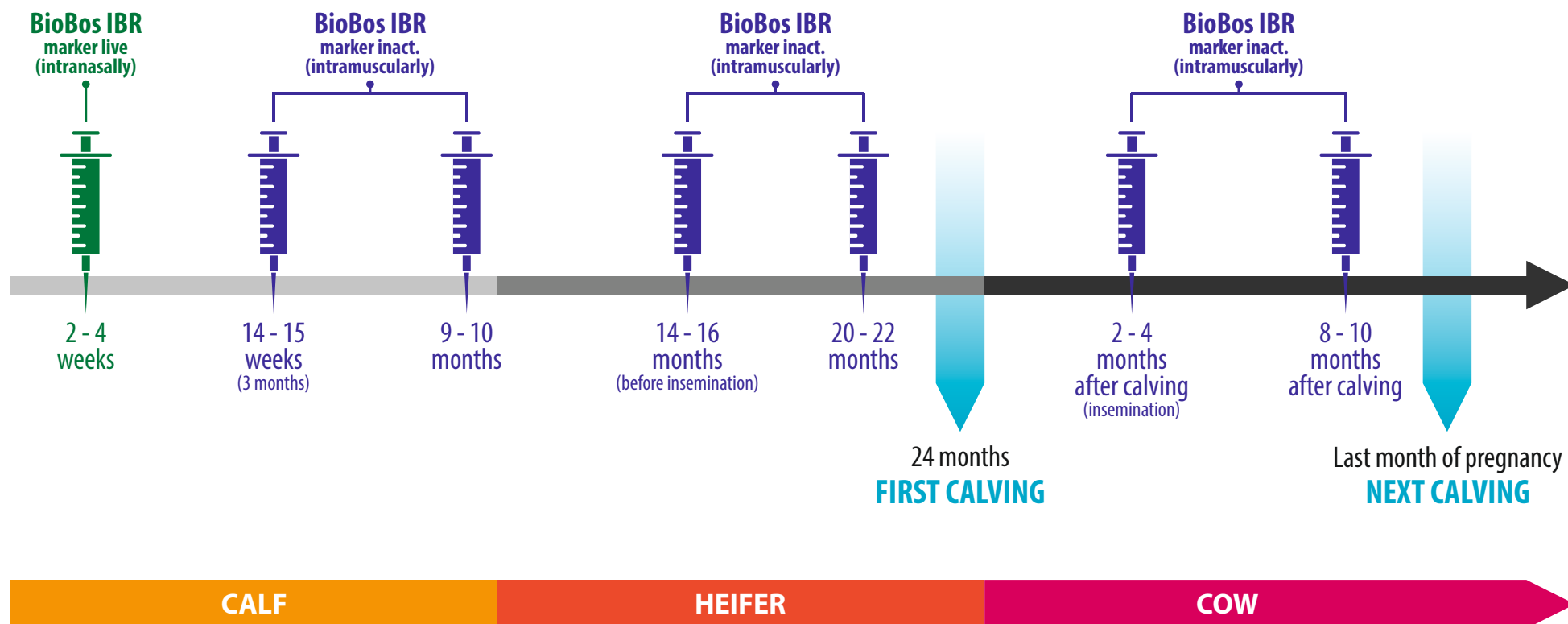
Package: 10 ml

Infection of Bovine Herpesvirus (BHV-1) (high infectious pressure with clinical symptoms)



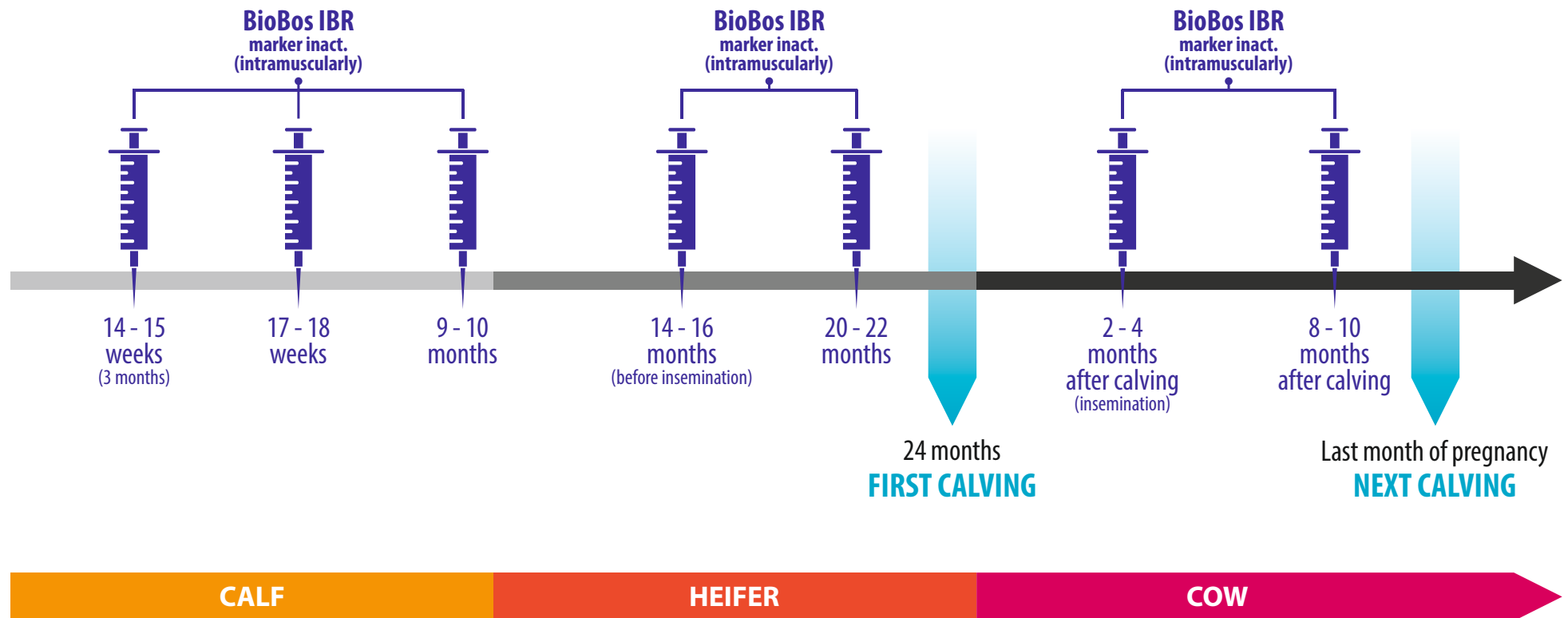
After the decreasing of infection pressure, revaccination could be continued with the inactivated vaccine (systematic eradication program).

Infection of Bovine Herpesvirus (BHV-1) (low infectious pressure)



Prevention of reduction and control of the BHV-1 virus by using methods of serological monitoring and gradual elimination of infected animals found at the very beginning of the eradication program.

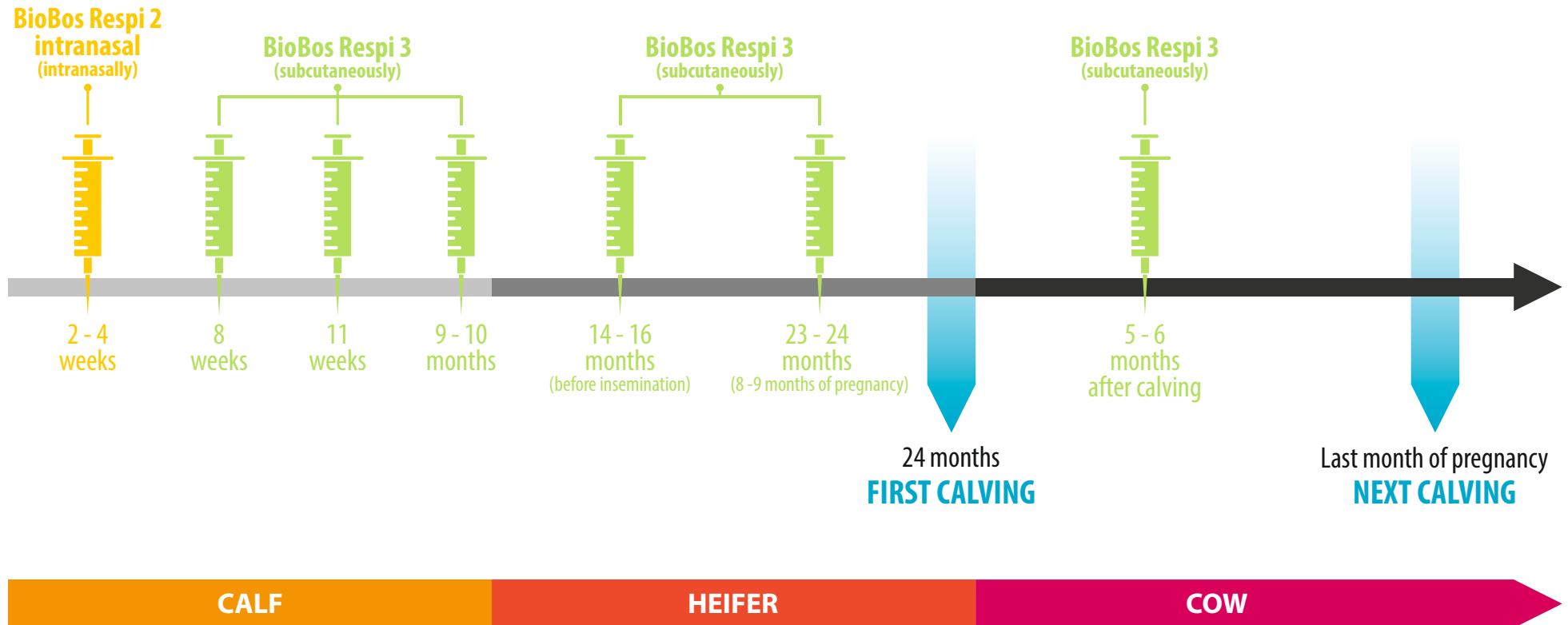
Infection of Bovine Herpesvirus (BHV-1) (latent phase) "eradication program"



It is used for a long time in herds with a low number of infected animals by BHV-1 virus and in herds without circulation virus due to systematic prophylaxis against infection of uninfected animals.

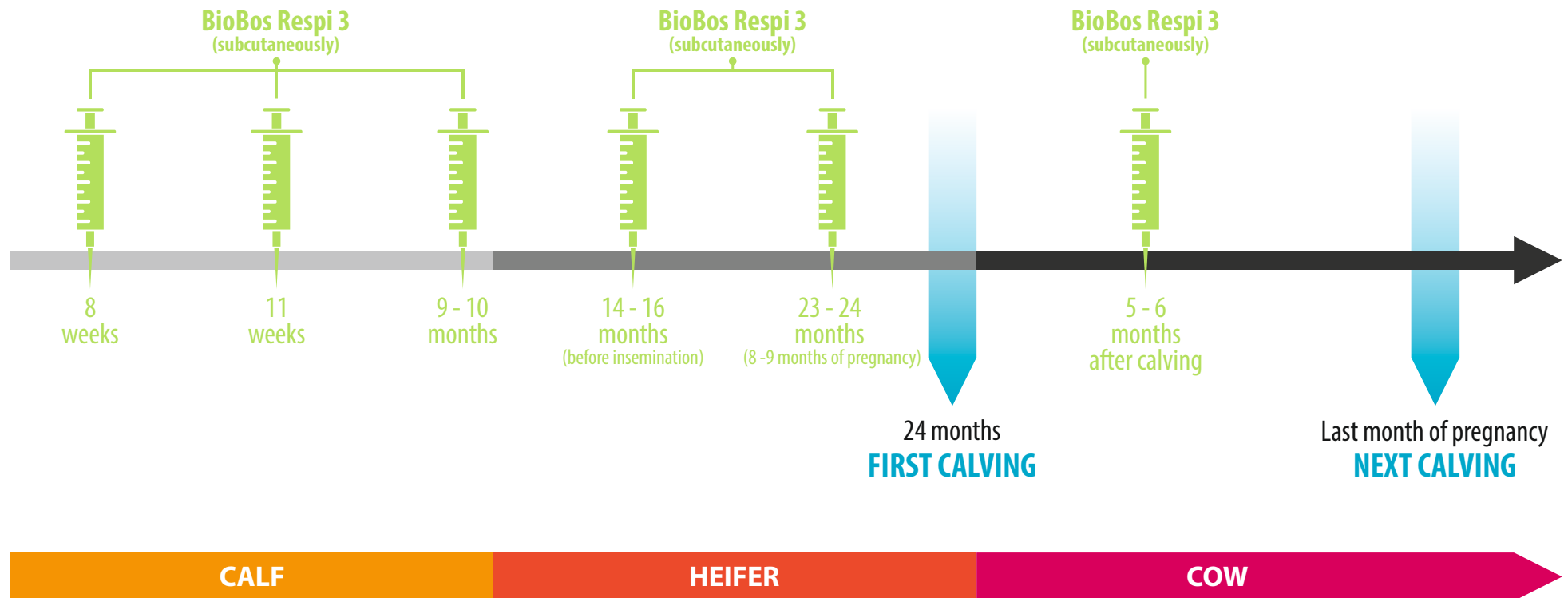
Vaccination scheme can be also used for the whole herd from 6 months of age with vaccination (all categories) every 6 months.

Bovine Respiratory Disease Complex calves younger than 3 months (without infection of BHV-1 and BVD)



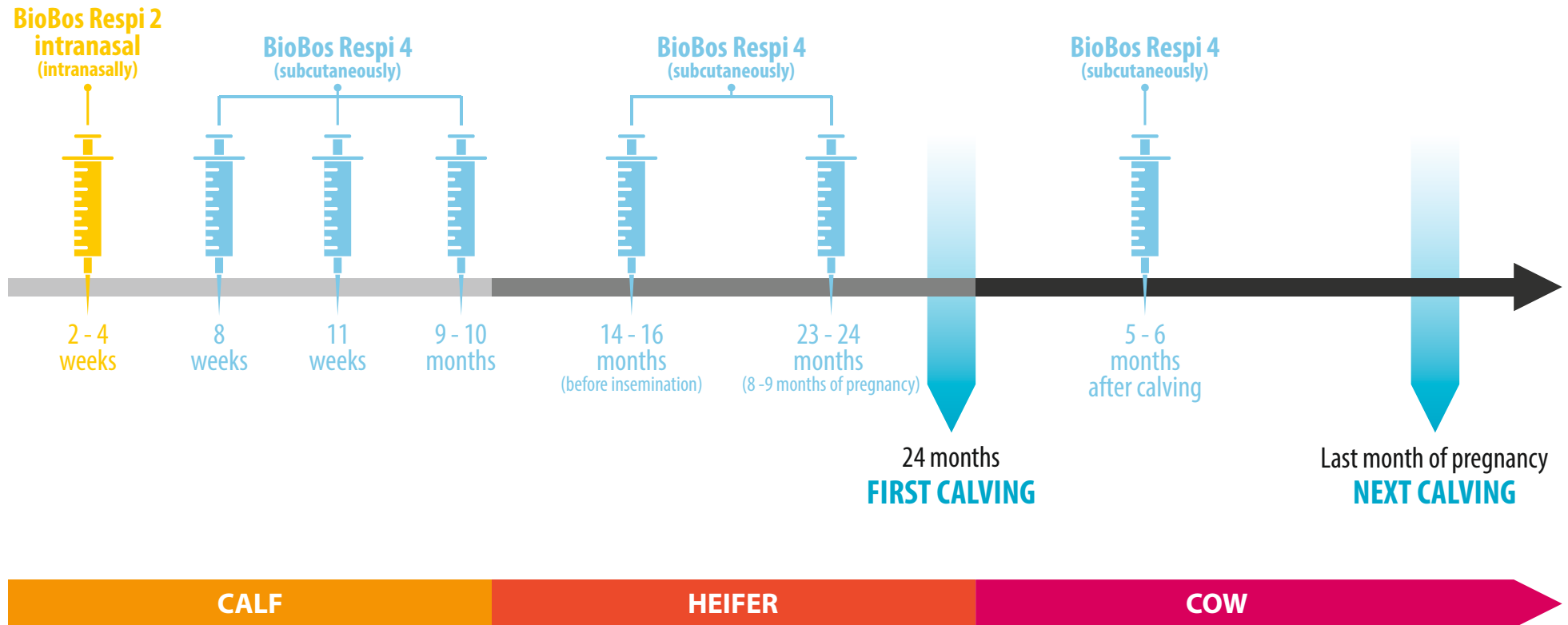
For support passive immunization of newborn calves, it is necessary revaccination of cows at least with a single dose, recommended not later than 2-3 weeks before each expected calving. Calves are protected against infection by the proper drinking of colostrum during first weeks of their life.

Bovine Respiratory Disease Complex calves older than 3 months (without infection of BHV-1 and BVD)



For support passive immunization of newborn calves, it is necessary revaccination of cows at least with a single dose, recommended not later than 2-3 weeks before each expected calving. Calves are protected against infection by the proper drinking of colostrum during first weeks of their life.

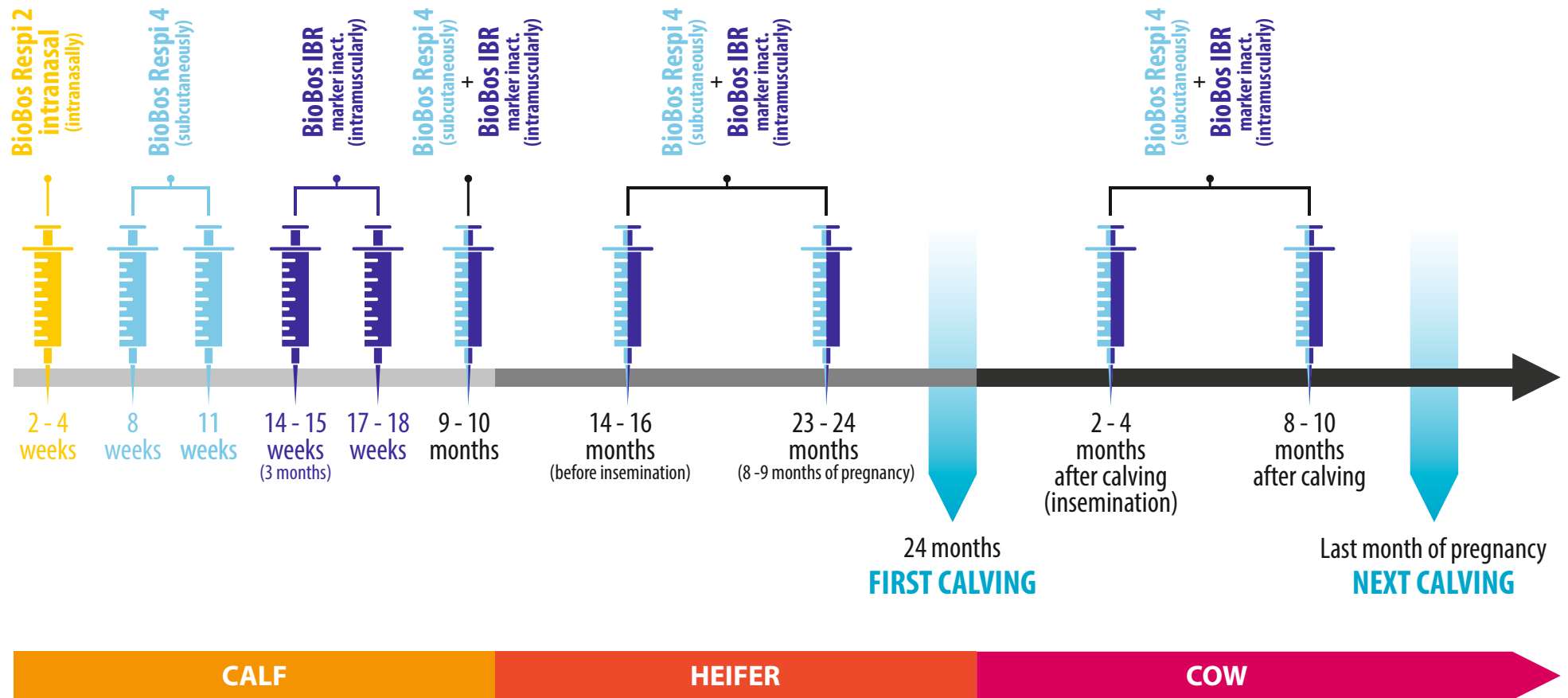
Bovine Respiratory Disease Complex calves younger than 3 months (with BVD infection)



For support passive immunization of newborn calves, it is necessary revaccination of cows at least with a single dose, recommended not later than 2-3 weeks before each expected calving. Calves are protected against infection by the proper drinking of colostrum during first weeks of their life.

Bovine Respiratory Disease Complex

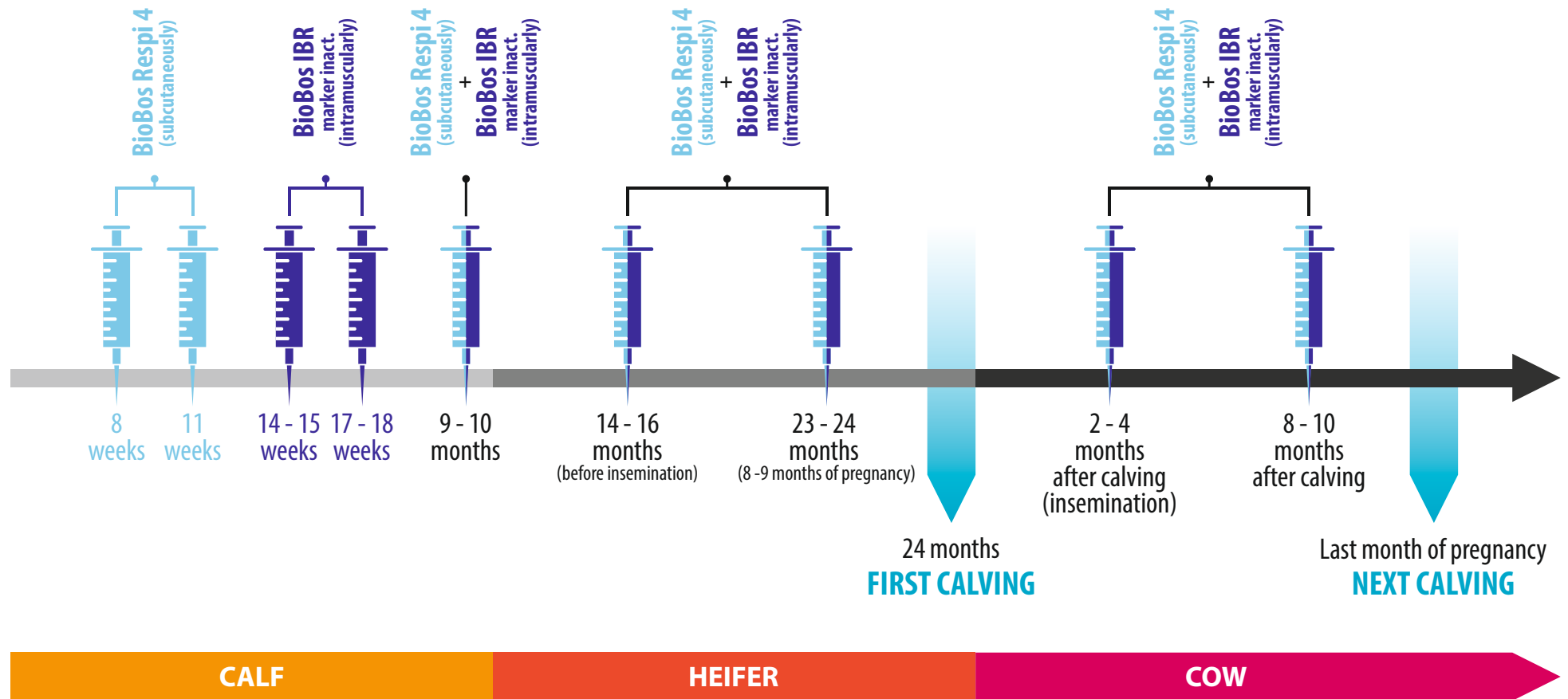
calves younger than 3 months, with infection of BHV-1 and BVD (without clinical symptoms)



It should be always done a booster vaccination with **BioBos IBR marker** and **BioBos Respi 4** with a single dose every 6 months. Simultaneous administration of two vaccines, it is recommended to administrate into the opposite parts of the animal's body. For support passive immunization of newborn calves, it is necessary revaccination of cows at least with a single dose, recommended not later than 2-3 weeks before each expected calving. Calves are protected against infection by the proper drinking of colostrum during first weeks of their life.

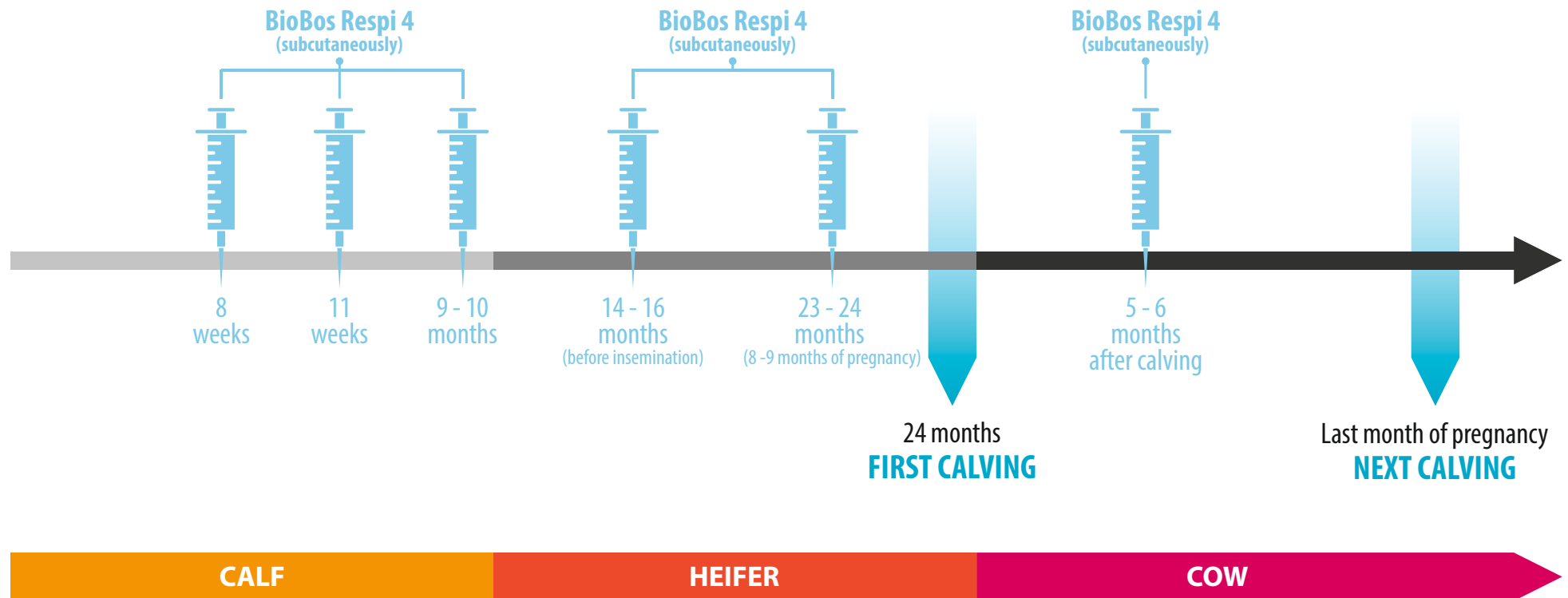
Bovine Respiratory Disease Complex

calves older than 3 months, with infection of BHV-1 and BVD (without clinical symptoms)



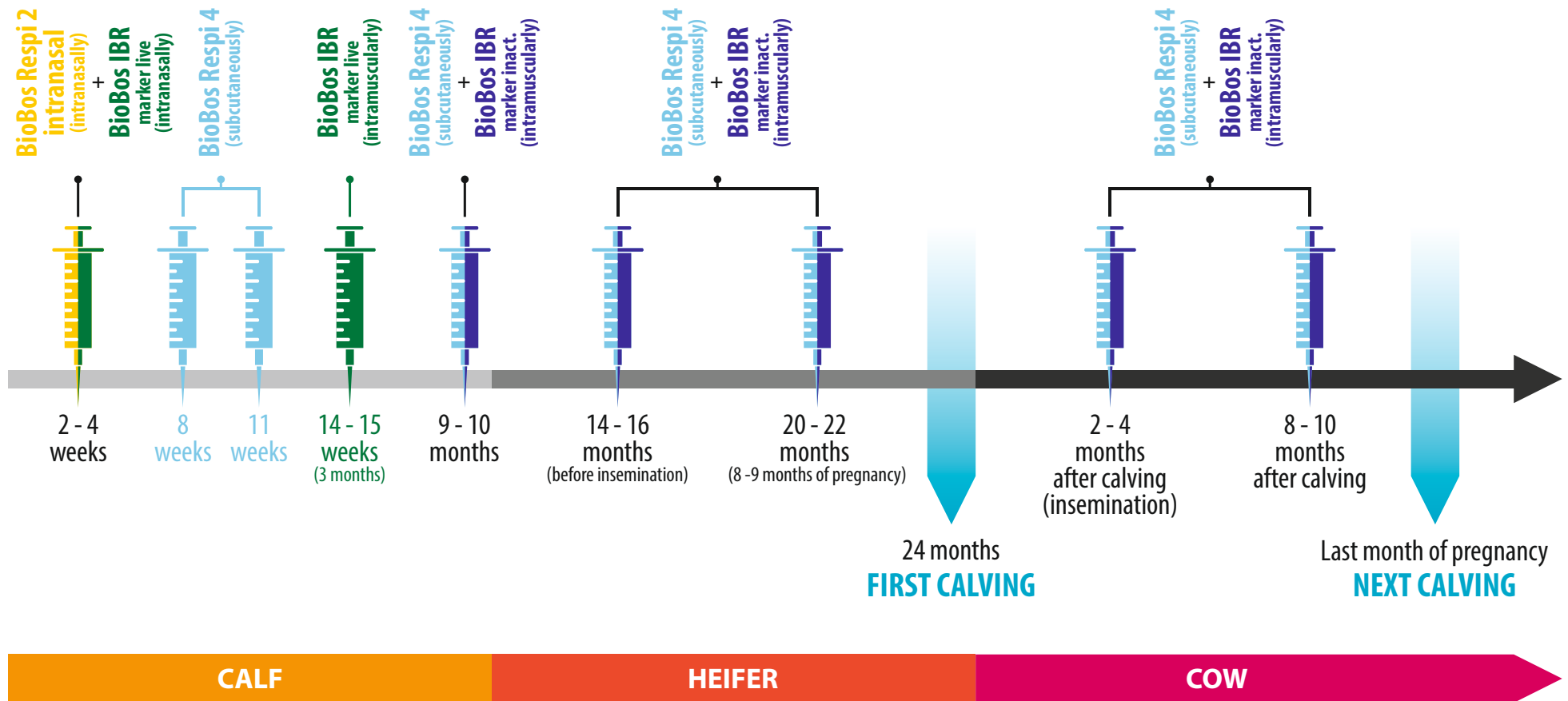
It should be always done a booster vaccination with **BioBos IBR marker** and **BioBos Respi 4** with a single dose every 6 months. Simultaneous administration of two vaccines, it is recommended to administrate into the opposite parts of the animal's body. For support passive immunization of newborn calves, it is necessary revaccination of cows at least with a single dose, recommended not later than 2-3 weeks before each expected calving. Calves are protected against infection by the proper drinking of colostrum during first weeks of their life.

Bovine Respiratory Disease Complex calves older than 3 months (with infection of BVD)



For support passive immunization of newborn calves, it is necessary revaccination of cows at least with a single dose, recommended not later than 2-3 weeks before each expected calving. Calves are protected against infection by the proper drinking of colostrum during first weeks of their life.

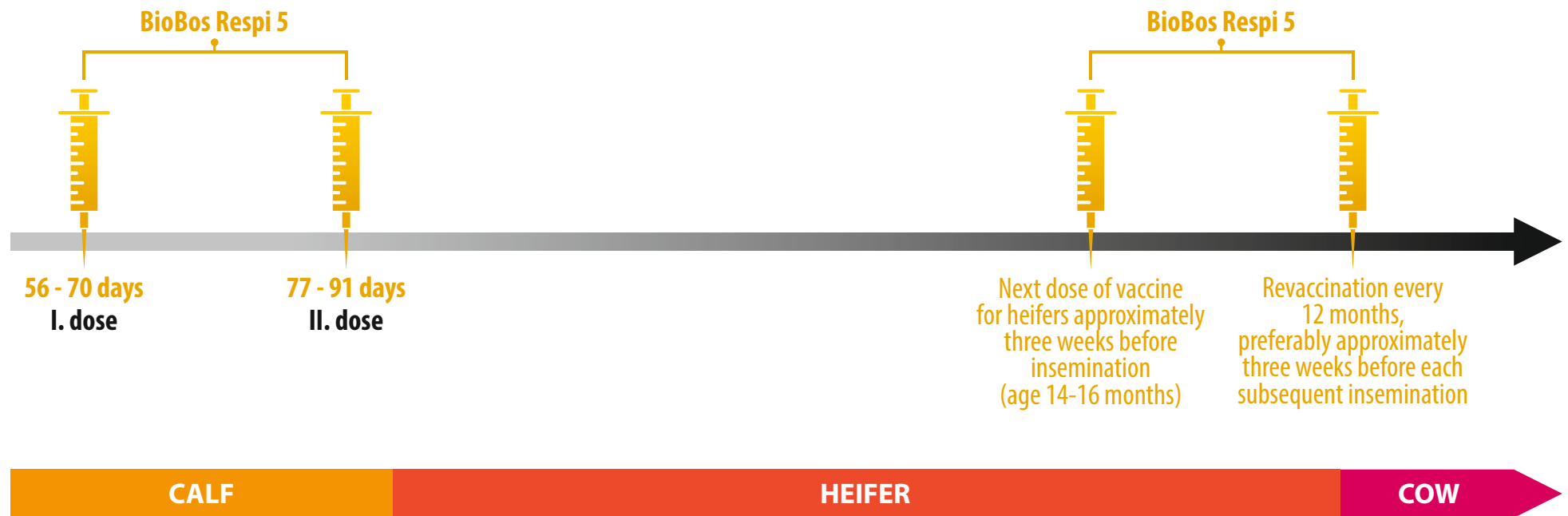
Bovine Respiratory Disease Complex with high infectious pressure (with clinical symptoms of infection BHV-1 and BVD)



It should be always done a booster vaccination with **BioBos IBR marker** and **BioBos Respi 4** with a single dose every 6 months. Simultaneous administration of two vaccines, it is recommended to administrate into the opposite parts of the animal's body. For support passive immunization of newborn calves, it is necessary revaccination of cows at least with a single dose, recommended not later than 2-3 weeks before each expected calving. Calves are protected against infection by the proper drinking of colostrum during first weeks of their life.

Bovine Respiratory Disease Complex

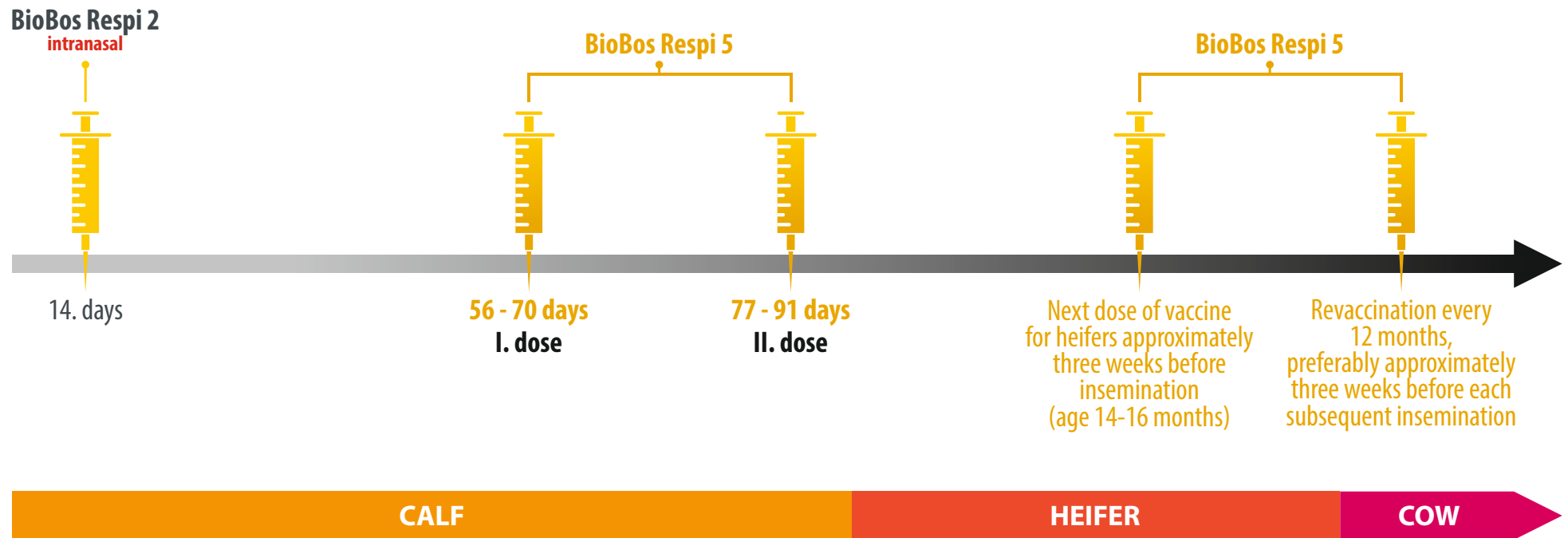
Farm without IBR virus circulation, without clinical signs
(unvaccinated mothers)



It should be always done a booster vaccination with **BioBos Respi 5** with a single dose every 12 months.

Bovine Respiratory Disease Complex

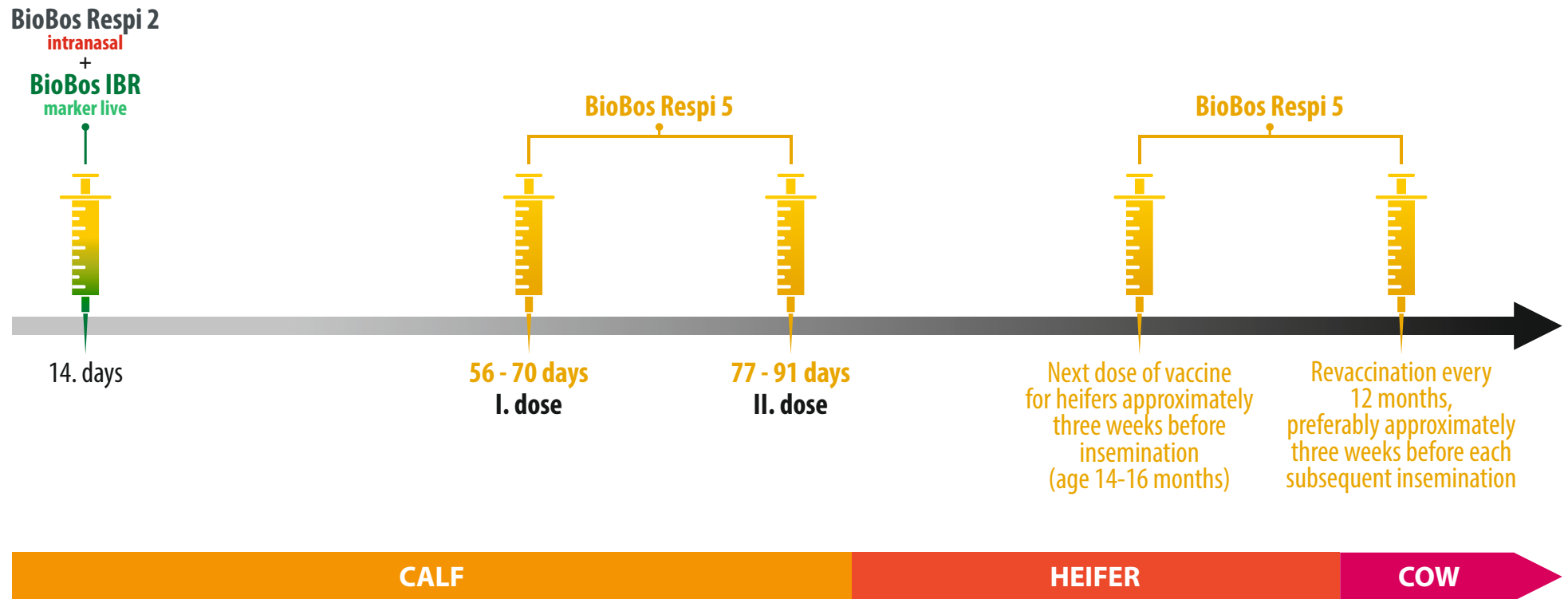
Farm with circulating IBR virus, without clinical signs
(unvaccinated mothers)



It should be always done a booster vaccination with **BioBos Respi 5** with a single dose every 12 months.

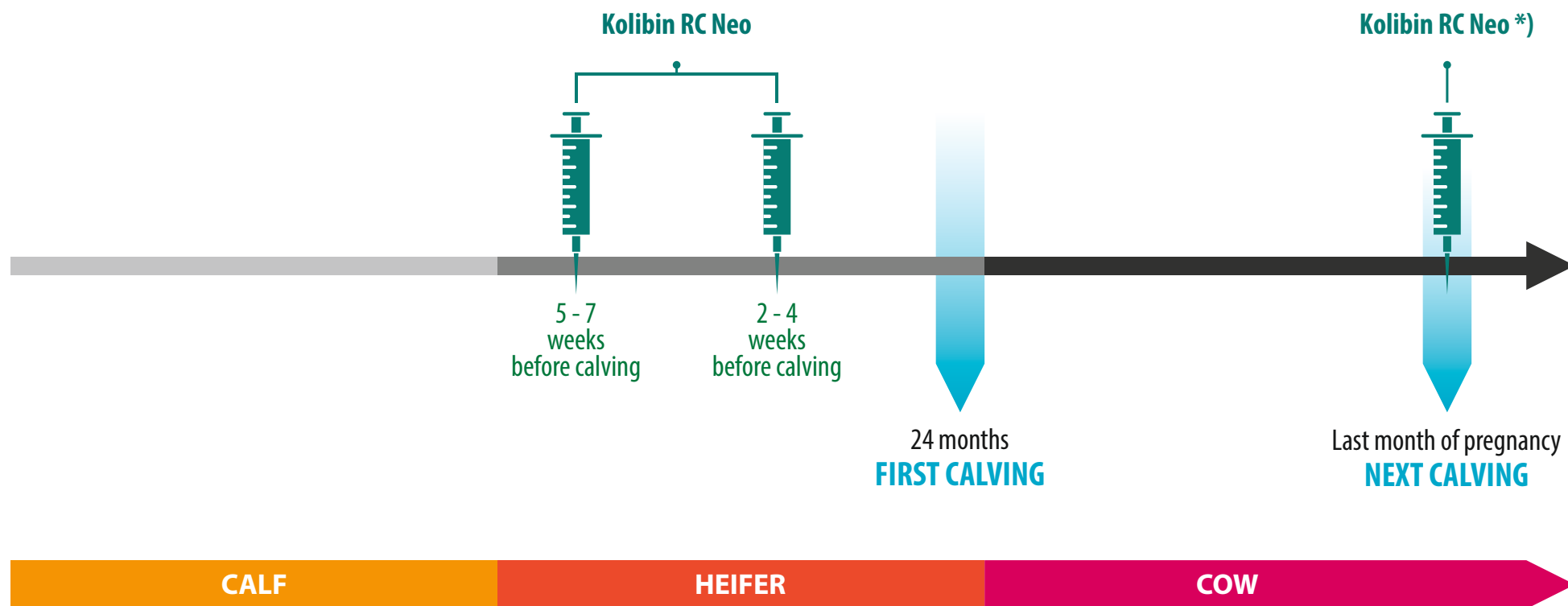
Bovine Respiratory Disease Complex

Farm with circulating IBR virus and with clinical signs
(unvaccinated or vaccinated mothers)



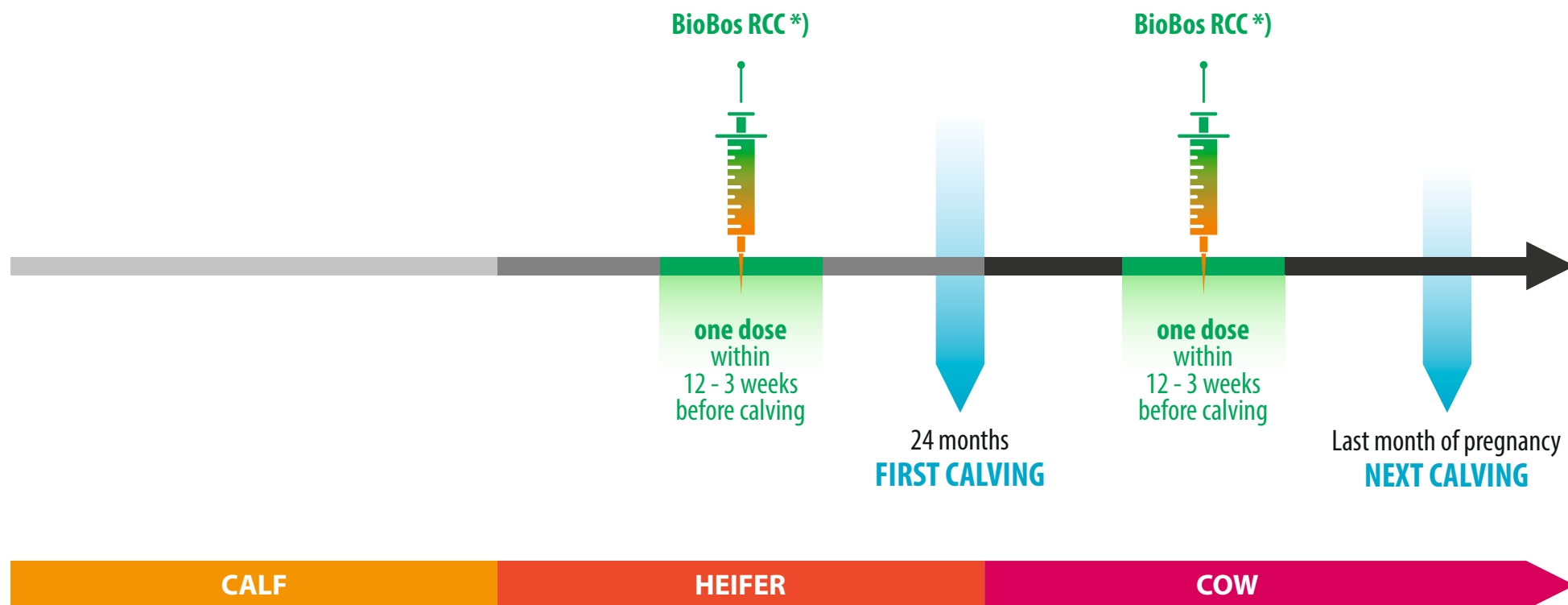
It should be always done a booster vaccination with **BioBos Respi 5** with a single dose every 12 months.

Vaccination against major intestinal pathogens of newborn calves - Kolibin RC Neo



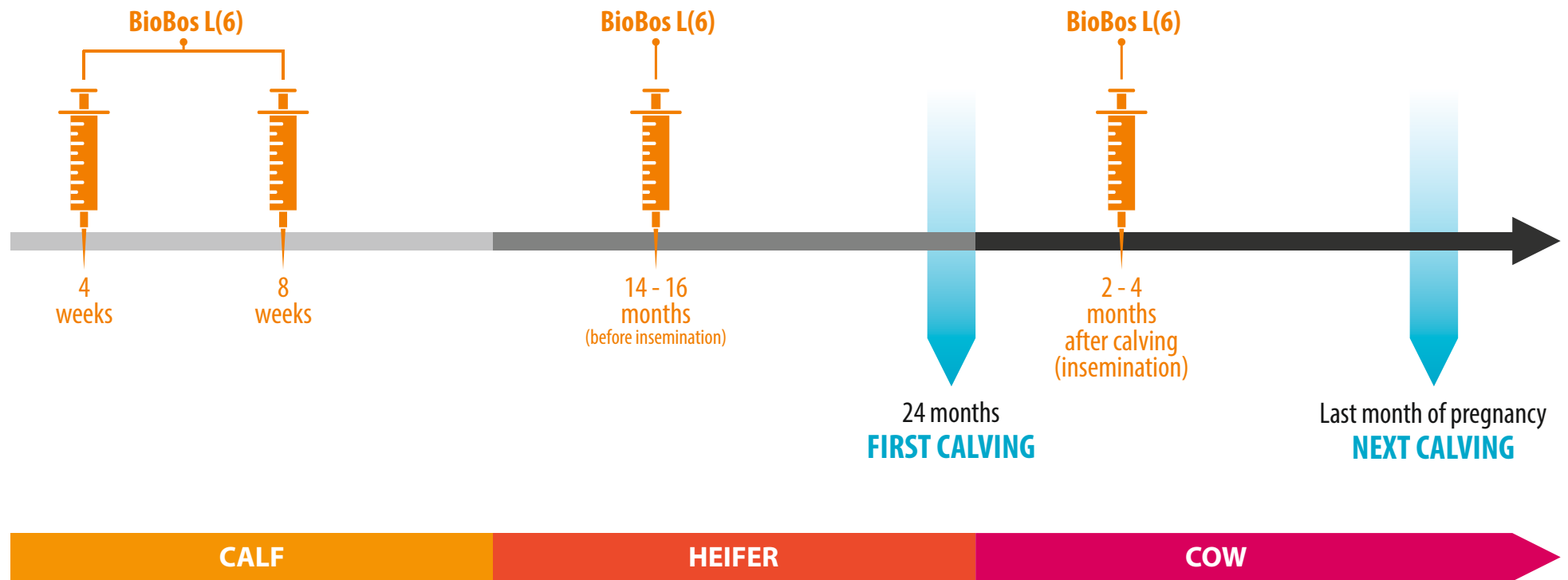
*) Further revaccination is always only with a single dose of the vaccine 2-3 weeks before the next calving.

Vaccination against major intestinal pathogens of newborn calves - BioBos RCC



*) Further revaccination is always only with a single dose of the vaccine 12-3 weeks before the next calving.

Leptospirosis of cattle



Further revaccination is always only with a single dose of the vaccine 2-3 weeks before the next insemination.

Immunoprophylaxis of infectious Bovine Keratoconjunctivitis in cattle from 1 month of age and above - Moraxebin Neo



* in the countries of the southern regions, vaccination should be carried out individually with regard to the beginning of the grazing season and duration of immunity



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