

Scour Bos® 9 shows the competition who's boss!

Vaccine Feature	Scour Bos® 9	ScourGuard® 4 KC	Guardian®
Number of scours prevention antigens	9	5	7
Number of <i>E. coli</i> isolates	4	1	1
One dose <i>E. coli</i> protection	X		
Number of rotavirus isolates	3	2	2
Coronavirus protection	X	X	X
One dose <i>Clostridium perfringens</i> Type C protection	X		
Booster if cow hasn't calved within 40 days	No	? optional 3 rd dose	No
Initial vaccination flexibility (weeks prior to calving)	Initial dose up to 16 wks	Initial dose up to 9 wks	Initial dose up to 12 wks
Initial year's revaccination dose	Economical, use Scour Bos 4	Costlier, ScourGuard 4 KC	Costlier, Guardian
Annual revaccination flexibility (weeks prior to calving)	Up to 10 wks	Up to 6 wks	Up to 7 wks
The clear choice – Scour Bos 9			

Scour Bos 9 is built with your convenience in mind!

- 10- and 50-dose, ready-to-use vials
- With cows, vaccinate during the dry period to prevent disruptions in milk production
- First year
 - Administer a 2-mL dose to dry cows and first-calf heifers eight to 16 weeks prior to calving
 - Revaccinate dry cows and first-calf heifers with a 2-mL dose of Scour Bos® 4 four weeks prior to calving
- Second year and beyond
 - One dose of Scour Bos 9 at eight to 10 weeks prior to calving, when cows are dry
- In accordance with Dairy Beef Quality Assurance guidelines, administer intramuscularly high on the neck

Ask your local veterinarian or animal health supplier about Scour Bos today. And show scours who's boss.



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Greensboro, NC 27408

For more information or a personal detail on Scour Bos® 9, call 1-800-843-3386.

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Scour Bos® 9 at dry-off



begins a lifetime of production





Timing that helps build better colostrum

- Cows build antibodies in blood before laying them down in colostrum (see Figure 1)
- Antibodies move from blood to colostrum 4 to 6 weeks before calving³

Fig. 1 Scour Bos® timing based on Feb. 1 calving date				
<i>Year 1 program example:</i>				
OCT 12 Scour Bos 9 (16-8 wks prior to calving)	NOV	DEC 21 Colostrum antibody production starts (6-4 wks prior to calving)	JAN 4 Scour Bos 4 (4 wks prior to calving)	FEB 1 Calving
<i>Year 2 program example:</i>				
OCT	NOV 23 Scour Bos 9 (10-8 wks prior to calving)	DEC 21 Colostrum antibody production starts (6-4 wks prior to calving)	JAN	FEB 1 Calving

The far-reaching effects of scours

When your calves come down with scours, the hassle of treating them is just the beginning. Research shows that calves that suffer from scours never catch up.¹

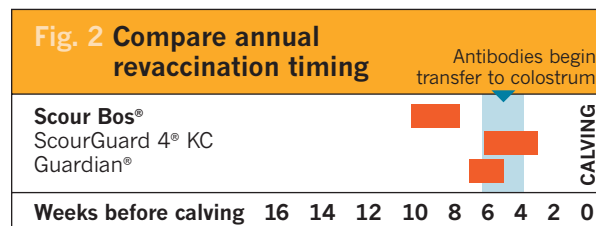
In one study, dairy heifers with a calfhoo history of being treated for scours were nearly three times more likely to calve later than 30 months of age than healthy herd mates.²

Vaccinating a dry cow today with Scour Bos 9 helps ensure tomorrow's calf will consume colostrum that carries powerful antibodies enabling her to grow up to be the healthiest, strongest producer she can be. Scour Bos' convenient administration is timed to give calves the best possible colostrum.

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Scour Bos, timing that's easy on you and your cows

- Scour Bos give you access to more of the dry period
- No need to handle cows too close to calving (see Figure 2)



Show scours who's the boss with Scour Bos® 9!

Scour Bos 9 gives you more ...

- Helps prevent scours due to *E. coli*, rotavirus, coronavirus and *Clostridium perfringens* Type C. You get the protection you need from one product.
- *E. coli*, rotavirus and coronavirus fractions have been tested and have been proven to provide immunity to calves exposed to a rigorous scours challenge.
- Provides excellent levels of immunity – proven to be effective when annual revaccination occurs as much as 10 weeks prior to calving.
- Get the only 3-way rotavirus product on the market. Confirmed by University of Nebraska-Lincoln to contain serotypes G10, G6 and G8.
- Deliberate challenge of immunity trials demonstrate high titer levels vs. controls and significant reduction in terms of visible symptoms. See Table 1.⁴

Table 1 Rotavirus challenge results		
Group	Vaccinates	Controls
Geometric mean titers Calf serum	13x increase	Baseline
Dehydration difference	p < 0.01	Significant
Depression difference	p < 0.01	Significant
Clinical difference	p < 0.01	Significant

Use Scour Bos 9 and ensure each calf ingests four quarts of antibody-bolstered colostrum within six hours of birth

1. Wittum TE, et al. The influence of neonatal health on weaning weight of Colorado, USA, beef calves. *Preventative Vet.* 1994;19:15-25.

2. Waltner-Toews D, Martin SW, Meek AH. The effect of early calfhoo health status on survivorship and age at first calving. *Can J Vet Res.* Vol. 50(3):314-317.

3. Radostitis O, Gay C, Blood D, Hinchcliff K, Veterinary Medicine, 9th ed., W.B. Saunders Co., Ltd., 2000, p. 137.

4. Data on file, Novartis Animal Health US, Inc.

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