

TOP FARMERS KNOW-HOW

IDENTIFY AND TREAT SCOURS

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KNOW-HOW

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A calf gets scours when it accidentally eats more scours-causing germs than its immune system can handle. This happens if:

- Its food/environment contains too many scours-causing germs (hygiene) AND/OR
- Its immune system isn't working as well as it could be (colostrum management)

Despite your best efforts to prevent it, you may still get scours cases.

Monitor your calf treatments in a book in the calf shed, and get your vet out ASAP if you:

- Are treating more than 1 out of 10 calves with electrolytes or medicines*
- Have more than 1 out of 30 calves die before weaning* or if you
- Have a spike in the number of scours cases or deaths

Identifying scours:

- Reduced appetite
- Lagging behind
- Standing hunched up
- Drooping ears/sunken eyes
- Dirty backside/tail
- Liquid or blood faeces

Nutritional scours possible if:

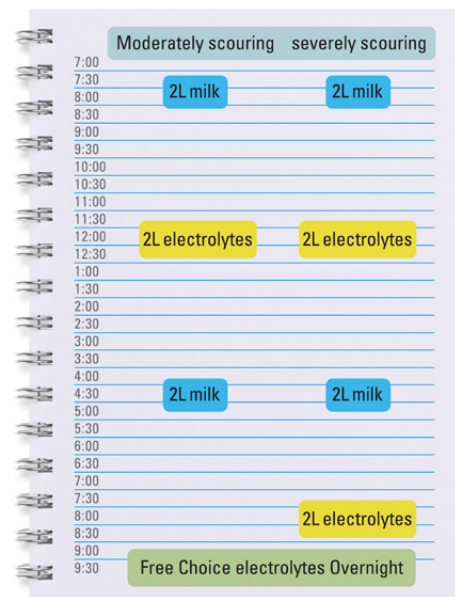
- Many calves have loose faeces
- Recent change of diet
- All still bright
- ** Ring vet if unsure whether scours is nutritional or infectious
- Isolate and treat scouring calves as soon as possible if they are dehydrated
 - Sunken eyes
 - Weak suckle reflex
 - Skin stays lifted when you pinch

If you are having a scours problem:

- Get your vet involved ASAP
- Check hygiene and colostrum management practices
- Take samples if vet can't come out straight away
 - As many fresh faecal samples as possible

- From calves which have started scouring within the last 24 hours
- Put into clean plastic pottle or glove
- Label with calf or pen ID
- Take samples to vet clinic ASAP

- Alternate milk and electrolyte feeds to scouring calves
- Nipple feed or tube 6-8L of total fluids each day
- Tube calves if they won't drink



- If calf can't suckle or stand, have vet treat with IV fluids or humanely euthanase immediately
- Use a commercial electrolyte — follow label instructions
- Provide additional free choice water and electrolytes
- Treat calves with any necessary antibiotics or anti-inflammatory drugs prescribed by your vet — double check dosages and treatment schedule

FOR MORE:

Visit [TopFarmers.co.nz](https://www.TopFarmers.co.nz)

Or find us on YouTube by searching: [TopFarmersNZ](https://www.youtube.com/TopFarmersNZ)

Or visit: msd-animal-health.co.nz

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REFERENCES AND ADDITIONAL READING

1. Berge, ACB et al. (2009). Evaluation of the effects of oral colostrum supplementation during the first fourteen days on the health and performance of pre-weaned calves. *Journal of Dairy Science*. 92:286–95
2. Chuck, G. (2015). Calfwise: right from the start. 2015 Proceedings of the Society of Dairy Cattle Veterinarians of the NZVA Annual Conference. p71-80.
3. Chuck, G. (2015). Targeting calf-hood morbidity & mortality. 2015 Proceedings of the Society of Dairy Cattle Veterinarians of the NZVA Annual Conference. p227-232.
4. Conneely, M. et al. (2013). Factors associated with the concentration of immunoglobulin G in the colostrum of dairy cows. *Animal* 7:11. p1824-1832. <https://www.cambridge.org/core/journals/animal/>
5. Cuttance, E. & Denholm, K. (2016). Dairy NZ technical series. Colostrum management: giving calves a great start to life. Accessed online: <https://www.dairynz.co.nz/media/4439069/tech-series-june-2016-colostrum-management.pdf>
6. Denholm, K et al. (2017). Associations between management practices and colostrum quality on New Zealand dairy farms. *New Zealand Veterinary Journal*. 65:5. p257-263. DOI: 10.1080/00480169.2017.1342575
7. Dawson L, Moss B. (2009). Recent research on rearing and finishing systems for dairy-origin beef cattle. In: From beef production to consumption — a seminar for specialists. Proceedings of an Agrisearch seminar held at the Agri-Food and Biosciences Institute Hillsborough. p1–34.
8. Faber, SN et al. (2005). Case study: effects of colostrum ingestion on lactational performance. *The Professional Animal Scientist*. 21: 420-425.
9. Godden, SM et al. (2012). Heat treated colostrum and reduced morbidity in preweaned dairy calves: Results of a randomised trial and examination of mechanisms of effectiveness. *Journal of Dairy Science*. 95: 4029-4040.
10. Gomes, V. et al. (2011). Factors affecting immunoglobulin concentration in colostrum of healthy holstein cows immediately after delivery. *Pesq. Vet. Bras*. 31:1. <http://dx.doi.org/10.1590/S0100-736X2011001300009>
11. Morrison, S. (2013). The impact of calf health on future performance. *Veterinary Ireland Journal*. 3:264–8.
12. Parkinson, TJ et al. (2010). Calves: management & disease. *Diseases of cattle in Australasia: a comprehensive textbook*. VetLearn. pp.627-659.
13. Recca, A. et al. (2003). Comparative lactogenic antibody responses of cattle from European field trials with a new enteric disease vaccine. *Vet Record*. 152: 751-752.
14. Schouten, B, et al. (2005). Oral electrolytes? A comparative study of some commercial electrolytes. *NZVA VetScript*.18:6. pp 35-39.
15. Vann RC, Baker JF. (2001). Calf serum IgG concentrations effect on weaning performance. *Journal of Dairy Science*. 84:223–4.

MSD Animal Health
33 Whakatiki St, Upper Hutt, Wellington, New Zealand
Private Bag 908, Upper Hutt 5140

Schering-Plough Animal Health Ltd. Phone: 0800 800 543. www.msd-animal-health.co.nz
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