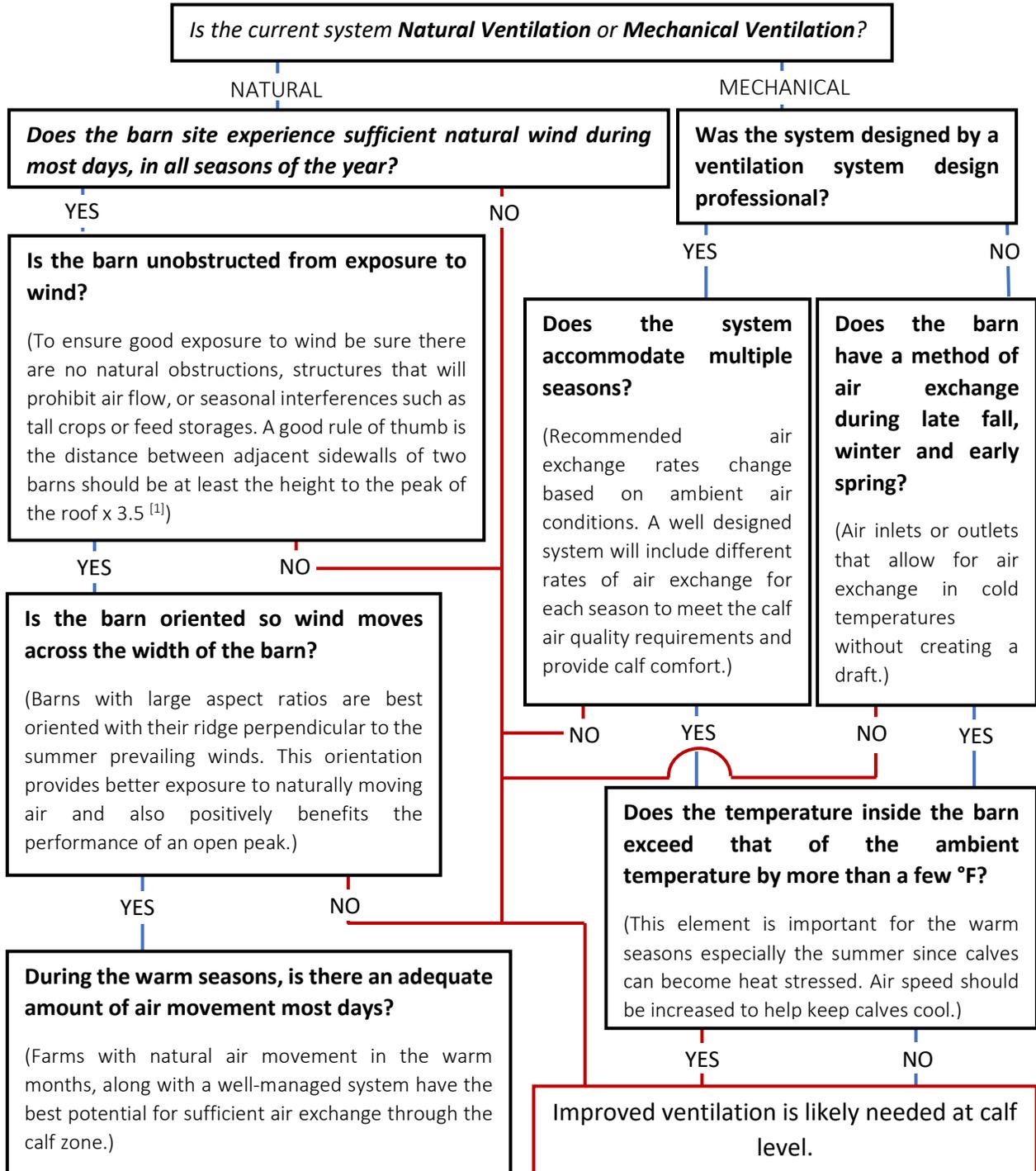
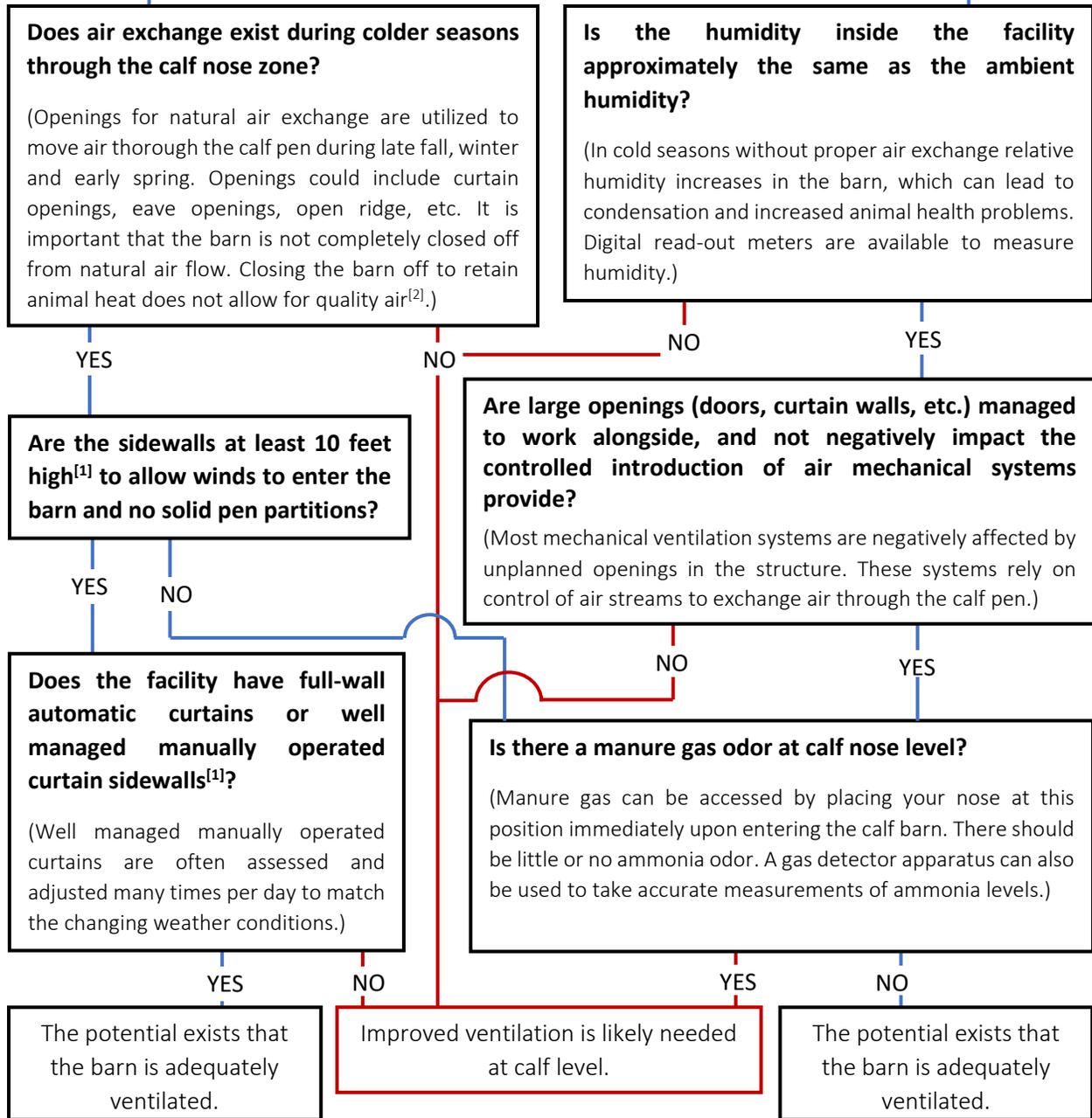


Guidance on Evaluating Calf Barns Relative to Ventilation Needs

This decision tree can be used to provide general guidance on calf barn ventilation system evaluation. Calf ventilation systems are evaluated to provide ideal air exchange in the calf nose zone, located at the same level above the bedding as the calf's nose would be when in a lying position. Please note this is a guidance for performing a first line assessment of the ventilation in a specific facility. Further evaluation is likely needed to conclude if the barn is adequately ventilated.





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REFERENCES

[1] Gooch, C.A. (2005). Pre-Weaned Calves: Housing and Considerations. Proceedings from the Dairy Calves and Heifers: Integrating Biology and Management Conference. NRAES – 175. Natural Resource, Agriculture, and Engineering Service. Cornell University, Ithaca, New York. [2.] A. Lago, S.M. McGuirk, T.B. Bennett, N.B. Cook, K.V. Nordlund (2006) Calf Respiratory Disease and Pen Microenvironments in Naturally Ventilated Calf Barns in Winter, Journal of Dairy Science, Volume 89, Issue 10, Pages 4014-4025, ISSN 0022-0302.