

DAIRY INFORMATICS



BASICS

OVERVIEW

- Informatics is the science dealing with the accumulation, storage, retrieval and integration of information.
- The explosion of the World Wide Web has created tremendous opportunities for access to a wide variety of information
- Websites that are good sources of information for the dairy practitioner as well as students.

INFORMATION SOURCES

1. <http://www.aabp.org/>
Website for the American Association of Bovine Practitioners
Great resource for members, but also has a wealth of information for non-members, including a large collection of links to computer software applications
2. https://www.extension.purdue.edu/dairy/repro/repropub_manage.htm
Purdue University website with many papers relating to reproductive management published by Purdue researchers as well as representatives of other universities
3. <http://www.avma.org/>
Home of the American Veterinary Medical Association; contains current information regarding Bovine Spongiform Encephalopathy
4. <https://cahpwww.vet.upenn.edu/doku.php>
Home of "Basecow," a series of Microsoft Excel add-in tools for use in dairy production medicine work
5. <https://www.aphis.usda.gov/aphis/home>
Dairy specific Web page from the Center for National Animal Health Surveillance and the National Animal Health Monitoring System
6. <http://www.das.psu.edu/dcn/catnut/>
Web site with valuable information from Penn State
7. <http://www.farad.org/>
Site for the national food animal residue avoidance databank homepage
8. <http://www.nap.edu>
Site for access to nutrient requirements of dairy or beef cattle as well as other agricultural science resources and books
9. <http://www.nmconline.org/>

Web site for the National Mastitis Council

10. Contains information regarding mastitis prevention and management practices
<http://www.svepm.org.uk/home.html>
International source of information devoted to veterinary epidemiology and economics
11. <http://www.hoards.com/>
Website for Hoards Dairyman, the National Dairy Farm Magazine
Contains information regarding management practices; current cheese, butter, and milk prices; and Washington Dairygrams.
12. <http://web.vas.com/en>
Website for Valley Agricultural Software for the dairy industry
DairyComp 305, Scout, Dairy Comp Consultant, ParlorWatch, FeedWatch and DairyWatch
13. <http://www.gapminder.org> The Wealth and Health of Nations presents FAO data in an interactive bubble chart manner
14. <http://foodtank.com/news/2015/02/twenty-four-ted-talks-that-will-help-save-the-food-system> 24 TED talks on topics to help save the food system
15. <https://public.tableau.com/s/gallery/global-hunger-index-2014>
Interactive dashboard showing the Global Hunger Index
16. <http://dgalligan.com/fieldservice/DAP.html>
Website maintained by the David Galligan at the University of Pennsylvania, School of Veterinary Medicine, with a range of interactive dashboards: Logon: guest Password: guest
17. <http://www.extension.umn.edu/agriculture/dairy/transition-cows/> Website from the University of Minnesota with links to their transition management facility as well as some interesting downloadable software for use in dairy production medicine practice
18. <http://www.ers.usda.gov/data-products/charts-of-note.aspx>
USDA maintained web site featuring key charts of agricultural related data.



MISCELLANEOUS

Suggested Reading

Elmore, R.G. 1987. Computerized dairy reproductive herd health records. *Vet Clin North Am Food Anim Pract.* Nov; 3(3):533–6.

Etherington, W.G., Kinsel, M.L., Marsh, W.E. 1995. Options in dairy data management. *Can Vet J.* Jan; 36(1):28–33.

Gibbons-Burgener, S.N., Kaneene, J.B., Lloyd, J.W., Erskine, R.J. 2000. Influence of the Milk and Dairy Beef Quality Assurance Program on dairy farm drug management practices. *J Am Vet Med Assoc.* Jun 15; 216(12):1960–4.

Khaita, M.L., Wittum, T.E., Smith, K.L., Henderson, J.L., Hoblet, K.H. 2001. Characteristics and management practices associated with milk production in dairy herds in Ohio enrolled in official Dairy Herd Improvement Association programs. *Am J Vet Res.* Aug; 62(8):1262–5.

Lehenbauer, T.W. 1987. Dairy Herd Management Program. *Vet Clin North Am Food Anim Pract.* Nov; 3(3):537–44.

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