

December 2019



Photo Credit: Aerica Bjurstrom

Extension Fond du Lac County

227 Admin/Extension Building
400 University Drive
Fond du Lac, WI 54935
920.929.3173
<http://fyi.extension.wisc.edu/fdlag>

Fond du Lac County Educators:

Diana Hammer
Community Resource Development
Educator

Ron Jakubisin
Area Positive Youth Development
Educator

Tracy Keifenheim
4-H Program Coordinator

Tina Kohlman
Dairy & Livestock Agent

Amanda Miller
FoodWise Coordinator &
Health & Well-Being Educator

Pamela Nelson
FoodWise Nutrition Educator

Patty Percy
Community Garden Coordinator

Melanie Phillips
FoodWise Nutrition Educator

Shelley Tidemann
Human Development &
Relationships Educator

Cindy Sarkady
Area Extension Director

Joe Zimbric
Area Crops & Soils Agent

Program Assistants:

Pam Bartoli **Tina Engelhardt**
Katie Gindt **Cassi Worster**

Requests for reasonable accommodations for disabilities or limitations should be made prior to the date of the program or activity for which it is needed. Please do so as early as possible prior to the program or activity so that proper arrangements can be made.

Strategic Planning-Three Simple Questions

It's a new year, meaning a new breath of fresh air and to refocus on the farm business operation. Have you ever thought:

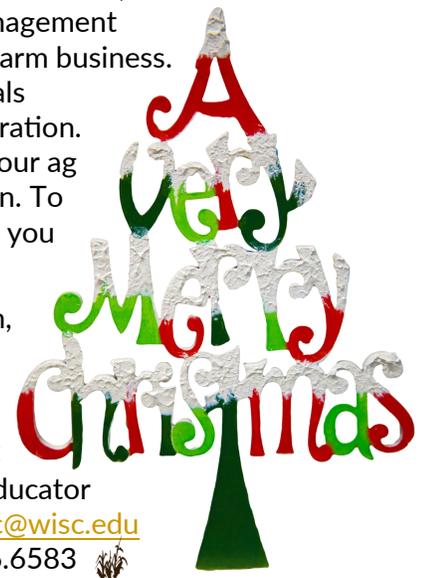
- "Where am I now?"
- "Where do I want to be?"
- "How do I get there?"

Strategic planning helps to identify what your farm business is striving to achieve (where do I want to be?) and lays a roadmap for the necessary steps (how do I get there?) to be successful. It is looking and planning for the future, whether it is for one year or for multiple years.

With a new year, it's time to determine "where am I now", taking inventory of the farm and farm business. Where are the farm assets? What does the balance sheet look like? Are there trends in income and expenses? What are the farm analytics as it relates to production, reproduction, or crop yield and quality?

Knowing "where am I now" will help one plan for the future, whether it is as simple as implementing a new management practice or bringing in the next generation to the farm business. Determining where you want to be helps individuals understand your goals and visions of the farm operation. It takes a team to help you "get there", including your ag service providers, family, employees, and Extension. To help you plan for your future, give us a call to help you put structure to your strategic planning!

From our extension team to your family farm team,
Merry Christmas and Happy New Year! 🌿 🐮



Tina Kohlman
Dairy & Livestock Agent
Email: tina.kohlman@wisc.edu
Phone: 920.929.3180 🐮

Joe Zimbric
Crops & Soils Educator
Email: jwzimbric@wisc.edu
Phone: 920.296.6583 🌿

Visit us on the web at <https://fyi.extension.wisc.edu/fdlag/>

Transporting Cattle & Cold Weather

Haulers, drivers, and farmers play a significant role in the overall well-being of cattle being delivered. Proper handling and transportation practices play an important role in the health of the animal.

There are risks every time cattle are hauled. Mitigating common risks can prevent many accidents. Common risks include adverse weather, equipment failure, distracted and impaired driving, as well as driver fatigue.

When it comes to weather related issues and transportation, we regularly think of heat stress, avoiding hauling cattle during the hottest part of the day, or even extremely hot days. But what about winter transport?

Extreme wind and cold conditions can have drastic adverse effects on cattle health. Unprotected cattle hauled at highway speeds can be subject to dangerous wind chills. If cattle are wet, the danger is even greater.

Extreme cold and wind conditions exist when wind chill is below 0°F. In the chart below, the shaded wind chills can be considered extreme and cold conditions.

To mitigate risk to cattle, consider the following suggestions:

- Avoid transporting cattle in extreme wind and cold conditions
- If cattle must be transported in cold and windy conditions, avoid stopping if at all possible
- Deliver cattle to their destination as quickly as possible
- Supply ample bedding to provide insulation and to keep animals dry and warm
- Avoid overcrowding, as animals can not reposition themselves to avoid wind chills and frostbite
- Close nose vents
- Cover bottom ventilation slats in the trailer to protect cattle from the cold and wind chill, while allowing for adequate ventilation 

References: BQA Transport & National Cattleman's Beef Association



Image source: [https://commons.wikimedia.org/wiki/File:Dairy_Farm_with_Five_Silos_-_panoramio_\(2\).jpg](https://commons.wikimedia.org/wiki/File:Dairy_Farm_with_Five_Silos_-_panoramio_(2).jpg)

Wind Speed	Low Temperature °F																Wind Chill Index (WCI)																					
	-10	-8	-6	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	-10	-8	-6	-4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26
25	-59	-56	-53	-50	-47	-44	-41	-38	-35	-32	-29	-26	-23	-20	-17	-14	-12	-9	-6	-59	-56	-53	-50	-47	-44	-41	-38	-35	-32	-29	-26	-23	-20	-17	-14	-12	-9	-6
23	-57	-54	-51	-48	-45	-42	-39	-36	-33	-30	-28	-25	-22	-19	-16	-13	-10	-7	-4	-57	-54	-51	-48	-45	-42	-39	-36	-33	-30	-28	-25	-22	-19	-16	-13	-10	-7	-4
21	-54	-51	-49	-46	-43	-40	-37	-34	-31	-28	-26	-23	-20	-17	-14	-11	-8	-5	-3	-54	-51	-49	-46	-43	-40	-37	-34	-31	-28	-26	-23	-20	-17	-14	-11	-8	-5	-3
19	-52	-49	-46	-43	-40	-37	-35	-32	-29	-26	-23	-21	-18	-15	-12	-9	-6	-4	-1	-52	-49	-46	-43	-40	-37	-35	-32	-29	-26	-23	-21	-18	-15	-12	-9	-6	-4	-1
17	-48	-46	-43	-40	-37	-35	-32	-29	-26	-24	-21	-18	-15	-13	-10	-7	-4	-2	1	-48	-46	-43	-40	-37	-35	-32	-29	-26	-24	-21	-18	-15	-13	-10	-7	-4	-2	1
15	-45	-42	-39	-37	-34	-31	-29	-26	-23	-21	-18	-15	-13	-10	-7	-5	-2	1	4	-45	-42	-39	-37	-34	-31	-29	-26	-23	-21	-18	-15	-13	-10	-7	-5	-2	1	4
13	-41	-38	-36	-33	-30	-28	-25	-23	-20	-17	-15	-12	-9	-7	-4	-2	1	4	6	-41	-38	-36	-33	-30	-28	-25	-23	-20	-17	-15	-12	-9	-7	-4	-2	1	4	6
11	-36	-33	-31	-28	-26	-23	-21	-18	-16	-13	-11	-8	-6	-3	-1	2	4	7	9	-36	-33	-31	-28	-26	-23	-21	-18	-16	-13	-11	-8	-6	-3	-1	2	4	7	9
9	-30	-28	-26	-23	-21	-18	-16	-14	-11	-9	-6	-4	-2	1	3	6	8	10	13	-30	-28	-26	-23	-21	-18	-16	-14	-11	-9	-6	-4	-2	1	3	6	8	10	13
7	-24	-21	-19	-17	-15	-12	-10	-8	-5	-3	-1	1	4	6	8	10	13	15	17	-24	-21	-19	-17	-15	-12	-10	-8	-5	-3	-1	1	4	6	8	10	13	15	17
5	-15	-13	-11	-9	-7	-5	-3	0	2	4	6	8	10	12	14	16	18	21	23	-15	-13	-11	-9	-7	-5	-3	0	2	4	6	8	10	12	14	16	18	21	23
3	-4	-2	0	2	4	6	7	9	11	13	15	17	19	21	22	24	26	28	30	-4	-2	0	2	4	6	7	9	11	13	15	17	19	21	22	24	26	28	30

Organizing Your Financial Information for Farm

One of the most important steps in the succession planning process is conducting a financial analysis. This helps both generations, exiting and entering, understand the farm’s past financial position and performance, and determine the expectations from the farm business.

The first step is to gather what financial information you currently have, determine if it is appropriate for the financial analysis you want to conduct, and then start filling in the gaps. Having more than one year’s worth of information will provide some context about the state of the farm business.

The types of statements you should have are:

- **Farm Net Worth Statement (i.e. the Balance Sheet):** A balance sheet organizes what farm business assets are owned and what debts or liabilities you have on them. A balance sheet gives a **snapshot at one point in time of the farm’s net worth or equity position**. Balance sheets should be done at the same time each year.
- **Farm Net “Income Statement”:** An income statement organizes the income and expenses of the operation so you can **calculate net income earned over a period of time, usually a year**. Three to five years’ worth of income statements can provide trends in income and expenses to evaluate the performance of the farm business over a series of years.
- **Personal Net Worth Statement:** If you have significant assets you want to keep separate from the farm business, develop a personal net worth statement. This include assets such as personal savings, investments, retirement, and/or real estate not associated with the farm business. This statement would also include an liabilities (debt) associated with the personal assets. 

Quick & Easy Balance Sheet			
Assets (What you own)		Liabilities (What you owe)	
Cash:		Current Debts:	
Cash on hand	\$	Accounts payable	\$
Checking	\$	Operating Loan	\$
Savings	\$	Line of credit	\$
Prepay	\$	Taxes Payable	\$
		Loans	\$
		Other	
Real Estate:			
Home	\$		
Land	\$		
Buildings	\$		
Inventory:			
Raised crops	\$		
Raised feed	\$		
Livestock	\$		
Supplies	\$		
Machinery	\$		
Equipment	\$		
Vehicles	\$		
Other	\$		
Other:			
Investments	\$		
Contracts	\$		
Coop patronage	\$		
Other			
Total Assets (What you own)	\$	Total Liabilities (What you owe)	\$

Source: UW-Madison Extension Cultivating Your Farm’s Future Workbook for Farm Succession Planning In WI

Proper Ventilation Crucial for Healthy Calves

Having good and adequate ventilation for your calves is crucial for overall health and the prevention of respiratory disease. With winter on its way, it's a good idea to review your ventilation now so you can avoid problems down the road.

A component of ventilation is sometimes overlooked is the stocking density of your calf pens. Just like cows, calves of all ages have space requirements that need to be met in order to keep them comfortable and healthy. Simply measure your pens and calculate total square footage, then divide by the number of animals in the pen. Do your numbers match up with the following suggestions?

- **Baby calves ages 0-2 months:** a minimum of 30 square feet per animal.
- **Weaned calves ages 2-4 months:** 30 square feet per animal.
- **Heifers ages 4-8 months:** 40 square feet per animal
- **Heifers ages 8-12 months:** 50 square feet per animal

Square footage measurements are for resting area only (a bedded pen or pack area), and do not include feeding area. For weaned calves, feeding area requirements are 18 inches with slant bar dividers. For 4-8 month old heifers it's 15 inches

per animal and for 8-12 month old heifers it is 17 inches per animal.

Another important component of ventilation and the one we probably think of the most often is ventilating rates. Ventilating rates vary based on the age of the animal and the current weather conditions. The following rates are given in CFMs, which is cubic feet per minute and measures the velocity of airflow. For baby calves ages 0-2 months, the requirements are 15 cfm in cold weather, 30 cfm in mild weather, 65 cfm in warm weather, and 100 cfm in hot weather. Note these requirements are per calf, so if you have 15 calves in your barn at this age during cold weather, they would require 225 cfm all together.

For calves and heifers ages 2-12 months, requirements are 20 cfm in cold weather, 40 cfm in mild weather, 90 cfm in warm weather, and 130 cfm in hot weather. If you have 15 older calves in hot weather, their requirement is 1,950 cfm.

Calf ventilation plays an important role in keeping your calves healthy, and knowing what your calves' space and ventilation requirements are is the first step in making sure they are properly ventilated. 🐄

Source: Emily Wilmes, University of MN Extension

Save the Date: January 20, 2020 | The Osthoff Resort & Conference Center | Elkhart

BUILDING OUR DAIRY FUTURE:
ROBOTIC MILKING SYSTEMS PERFORMANCE & EFFICIENCY



Mark Your Calendars for Upcoming Agricultural Events

**We haven't moved!
UW-Fond du Lac is now the
Fond du Lac Campus of UW-Oshkosh!**

January 2020

- 3-5 Wisconsin Jr Holstein Association State Convention**
Holiday Inn Stevens Point & Conference Center | Stevens Point
- 4 Fond du Lac County Fair Market Livestock Beef Initial Weigh-in & ID**
10:00 am to 12:00 pm | Fond du Lac County Fair Grounds | Cow Palace
- 7 Agronomy Update Meeting**
12:00 pm to 4:00 pm | Fond du Lac Campus, UW-Oshkosh | 400 University Drive | Room UC-113/114
- 14-16 Wisconsin Agribusiness Classic**
Alliant Energy Center | Madison
- 20 Building Our Dairy Future: Robotic Milking Systems Performance & Efficiency Meeting**
10:00 am to 3:30 pm | The Osthoff Resort | 101 Osthoff Ave, Elkhart Lake
- 22 Farm Pulse Online Farm Management Webinar**
6:30 pm to 8:00 pm | Register Online at farmpulse.eventbrite.com
- 28 Cultivating Your Farm Future: Farm Succession Planning | Session 1**
12:00 pm to 4:00 pm | American Legion Post 384 | 1538 Fond du Lac Avenue, Kewaskum

February 2020

- 5 Annual CAFO Meeting**
10:30 am to 3:00 pm | Fond du Lac Campus, UW-Oshkosh | 400 University Drive | Room UC-113/114
- 6-7 Wisconsin Corn/Soy Expo**
Kalahari Resort | Wisconsin Dells
- 7 Private Applicator Training & Test**
9:00 am to 3:30 pm | Dodge County Administration Building | 127 E Oak St, Juneau
- 11 Cultivating Your Farm Future: Farm Succession Planning | Session 2**
12:00 pm to 4:00 pm | American Legion Post 384 | 1538 Fond du Lac Avenue, Kewaskum
- 17-19 Midwest Forage Association Symposium**
Chula Vista Resort | Wisconsin Dells
- 21 Wisconsin Dairy & Beef Cattle Well-Being Conference** *(in conjunction with the WI Cattleman's Association Winter Classic)*
10:00 am to 4:00 pm | Chula Vista Resort | Wisconsin Dells
- 25 Cultivating Your Farm Future: Farm Succession Planning | Session 3**
12:00 pm to 4:00 pm | American Legion Post 384 | 1538 Fond du Lac Avenue, Kewaskum
- 25 Jr Youth for the Quality Care of Animals (YQCA) Training (Ages 7-11)**
6:30 pm to 8:00 pm | Fond du Lac Campus, UW-Oshkosh | 400 University Drive | Room UC-113/114
- 28 Meeting Tomorrow's Feeding Challenges Today-A Supporting Farmers During Challenging Times Meeting**
10:00 am to 3:00 pm | Fond du Lac Campus, UW-Oshkosh | 400 University Drive | Room UC-113/114



Extension

UNIVERSITY OF WISCONSIN-MADISON
FOND DU LAC COUNTY

227 Administration/Extension Building
400 University Drive
Fond du Lac, WI 54935

NON-PROFIT ORGANIZATION
US POSTAGE PAID
FOND DU LAC WI 54935
PERMIT 110

Agronomy Update Meeting – January 7, 2020

Discussion Topics:

- ⇒ Post-mortem of the 2019 corn planting season
- ⇒ Variability of the 2019 trials
- ⇒ Corn nutrient uptake during grain filling
- ⇒ The corn stover project
- ⇒ Variety trial overview with trait analysis
- ⇒ Sulfur and micronutrient trial updates
- ⇒ Yield gap planting date results
- ⇒ Cover crop termination timing

3.0 Certified Crop Advisor CEUs

AGRONOMY UPDATE
*Discussion on corn, soybeans,
small grains, and forages.*

REGISTER TODAY!

Find the registration form on our
website under Calendar of Events.
<https://fonddulac.extension.wisc.edu/>



January 7, 2020



12:00pm-4:00pm



Extension Fond du Lac County

