



# UP Ag Connections

E3774 University Drive Chatham, MI 49816

Vol. 13 Issue 5 MSU Extension May 2008

Published Irregularly

## As I See It...

Apologies first; when I thanked Eric W. from Pickford for nominating me for an award, I mixed my Wallis/Wallace's. It was supposed to be Eric *Wallis*, the other Wallace's are from the western UP. Sorry Eric, I know better.

For those of you who expect me to chide you about starting to cut your hay early, consider yourself encouraged to make *timely* hay making a priority. I know a lot of you will not have any carryover from last year and are thinking that volume is more important than quality. I can agree to the idea to put more emphasis on volume, but suggest that you still start early when the hay is very high quality. For the many operations that don't take a second cutting or if it is dry again this year and there is no second cutting, this gives you some high quality forage feed. This could save you a lot of supplement dollars. You will have your equipment up and running with the bugs worked out and are ready when the volume and weather fits your needs. Corn may be "King" this year but alfalfa or our hay crop is still the "Queen" crop in the UP.

The price for calves this fall is going to be hard to estimate because it depends on how the corn crop does this summer and therefore, the price of corn. Currently, the cost of gain in a feedlot is almost \$1.00 per pound and this will put price pressure on light weight cattle. Start now to look for ways to add value to the cattle you want to sell this year. The obvious way to add value is to add pounds by keeping them longer, especially this year. Flexibility in marketing time can add both pounds and maybe skip a down time in the market. Also consider ways to be part of a semi-truck load lot given the cost to someone (you) of trucking. Look for ways to cost effectively add value with weaning, vaccinating, age and source verification, being BVD PI negative, etc. It will not be cost effective for everyone to do all these things, but if it fits your marketing plan, these options may add value. You will not be able to change the range of prices that will be offered this fall, that depends on cost of gain and the value of finished cattle. But, you can change what you have for sale and how and where you sell it

The farmer told me, "I don't like the price of fertilizer but I'm not spending \$4 diesel to cut hay off a field that doesn't yield because it didn't get any fertilizer!". The lady farmer sure had a point and a good one. Fertilizer in some cases has doubled in cost versus last year and the knee jerk reaction is – "I can't afford fertilizer at those prices". Somewhere between no fertilizer and "just put on what you have always put on" is the best answer. The real bottom line is that you just can't assume anything any more, *put a pencil to every decision*.

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The fellow that discovered the *chaos theory* recently died. He was also the fellow that came up with the idea that the flapping wings of a butterfly can change the world. The butterfly idea is that in our very complex world, even the best models and largest computers can not predict things in nature with any accuracy very far into the future because one little factor could make huge changes. Therefore, the chaos theory. If you are feeling frustrated that you can not manage your farm this year because of all the uncertainty, actually it's just an average year. We are never in control when we work with nature.

What we can do is *stack the odds in our favor* as much as possible. We need to plan for an average rainfall but have a back-up option if we have another dry year. What animals could go or grow an annual crop to boost crop production. I talked about marketing beef calves this fall, consider all your options. Dairy farms need to review the ways they can minimize the risks in both inputs they purchase and the milk they sell with forward contracts. If the pay price of milk goes down, you need to re- review the level of supplemental feed. All livestock farms need to use the manure on their farms to their best advantage and that also means having a soil test.

When dealing with "chaos"; *increased knowledge* (putting a pencil to decisions) and "*plans*" (considering all options as early as possible) can shift the odds in your favor. When faced with uncertainty, fall back on what you know ....doing things right and .... taking time to make sure you are doing the right things. It sounds like an old cliché but it works.

-Ben

**MARKET REPORT** (4/21/08)  
 By Ben Bartlett, MSUE Dairy and Livestock Agent

**Market Ready Prices**

Choice Steers	\$82-\$89	per 100 lbs.
Holstein Steers	\$74-\$84	per 100 lbs.
Hogs	\$35-\$44	per 100 lbs.
Lambs	\$90-\$100	per 100 lbs.
Cull cows	\$45-\$60	per 100 lbs.

**Breeding and Feeder Animals**

Grade Holstein cows	\$1800 - 2500	per head
Grade Holstein bred heifers	\$1900 - 2200	per head
Deacon calves (Mich. Market)	\$70 - \$100	per 100 #

**“Farm Account” Feed Prices across the UP**

	Avg. \$/cwt	Avg. \$/ton	Price Range
Corn	\$11.80	\$236.00	\$220-245
Soymeal	\$21.30	\$426.00	\$405-460
Oats	\$12.00	\$240.00	\$220-258
Barley	\$10.30	\$206.00	\$180-220

Average price/100 wt. for 1 ton lots

**Spring Bull Sale Results**

On March 29, 2008, sixty-five bulls averaged \$2,062 to record the third highest sale average in 20 years at the 20th Anniversary MI Cattlemen Association Bull Test Sale. Fifty-three buyers bought superior, performance-tested bulls that were evaluated for growth, structural soundness, disposition and reproductive potential. All bulls were ultrasounded to evaluate rib eye area, external fat and percent intra-muscular fat. Expected Progeny Differences (EPDs) for growth, maternal and carcass traits were available to assist buyers in evaluating bulls for their operations.



The sale results were as follows: 36 Angus bulls averaged \$2,183; 22 Simmentals averaged \$1,952; 5 Hereford bulls averaged \$1,820; 1 Red Angus bull sold for \$1,850 and 1 Maine Anjou bull sold for \$1,550.

The 19th Annual Beef Expo on April 12th was also a success. The Beef Expo, a project of the MI Cattlemen’s Association, is designed to promote the beef industry through sales, shows, and displays of seedstock genetics, focus media attention on the beef industry, unite the various breeds and provide an opportunity to share in a major statewide beef industry promotional event.

The Wisconsin Beef Improvement Association held their Central Bull Test Sale on April 5th. Fifty-nine bulls averaged \$1,870. 38 Angus averaged \$1,840, 14 Simmental averaged \$1,880, 6 Red Angus averaged \$2,085, and one Composite Bull averaged \$1,500.

**BVD Eradication Project Update**

I want to thank all the producers who signed up their farms for the BVD eradication project. I *especially* want to thank the 35 farms that have been sending in their ear notch samples. People tell me it takes some extra time to take the samples and your extra effort is really appreciated! The good news is that the samples, so far, have all been negative. But, I must tell you that one farmer went home after our December meetings and got started early on his own and found a cow and heifer PI (persistently infected) with BVD virus.

Here’s the numbers. We had 169 herds in the NW five UP counties that were believed to have cattle on their farms. As of April 1, we know that 44 farms do not have cattle, we have 59 farms yet to contact and 70 farms that have signed up to participate in the BVD eradication program. The current NW – UP BVD eradication program involves 61 beef herds with 1992 head of cattle and nine dairy herds with 1164 head of cattle. We started the volunteer BVD eradication program for the rest of the UP in early March. We have 32 beef herds with 3201 head of cattle and 17 dairy herds with 3096 head of cattle in the program by the end of March.

The total number of farms participating in the program, as of April 1, is 119, with a total of approximately 9500 head of cattle. These “farms” also include a number of 4-H/ youth groups that will participate in the program with their fair animals as a club instead of each youth animal as a separate enterprise. Dr. Steve Bolin at the MSU diagnostic laboratory has received 35 farm submissions with 1258 ear notches with results pending on another 387 notches.

Don’t forget that this year the UP State Fair in Escanaba is requiring that cattle being exhibited this year, 2008, have to show evidence of being BVD PI negative. By participating in our BVD Eradication Project, you can test your herd at no cost. Give me a call for more information. Ben 906 439 5880

**Spring Feeder Sales**

**May 2nd** UPI Special Feeder Sale  
 1 pm St. Louis, MI

**May 9th** Northern Michigan Livestock  
 1 pm Gaylord, MI

**Contact Numbers**

Northern Michigan Livestock 231-439-5679

United Producers 989-681-2191

**U.P. Agriculture Connection**

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Published monthly by  
 MSU Extension  
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## Biodiesel Courses

MSU and the US Dept. of Labor is now offering a no-cost, non-credit introduction to biodiesel for individuals registered with the region's Michigan WORKS! Agencies, and for interested groups. There are two courses offered:

### **Biodiesel Basics**

In this hands-on course you will get an introduction in biodiesel definitions, production techniques, and safety concepts. There will also be a hands-on portion where you will actually make biodiesel. Discussion on ASTM standards and a walk through of the new biodiesel gear co-located with the training facility.

There are two dates to choose from: **Wednesday, May 7th, and Tuesday June 10th.** Both classes run from 9 a.m. to 4 p.m. and are located at the MSU Biorefinery Training Facility, 1093 Highview Dr., Webberville, MI.

### **Advanced Biodiesel**

In this course, you will review ASTM standards, get an introduction to analytical techniques to ensure standards compliance, titrations of raw materials with indicators and pH meters, performance and analysis of acid number, water content, flash point, cloud point, and glycerol tests, and review safety practices.

There are two training dates to choose from: **Thursday, May 8th, and Wednesday, June 11th.** Both classes run from 9 a.m. to 4 p.m. are located at the MSU Biorefinery Training Facility, 1093 Highview Dr., Webberville, MI.

The requirements for **all** courses are: NO substance abuse, age 21 on date of training, willing to attend entire training day, safe attire, full compliance with site safety regulations, and registration endorsed by your local Michigan WORKS! Office.

For more information please call 517-432-4499 or visit one of these web sites: <http://resfacil.msu.edu/groups/bioecontrain/> or [www.msu.edu/~ljh/biorefineries/biorefineries.html](http://www.msu.edu/~ljh/biorefineries/biorefineries.html)

## Maple Lane Lambs

### Annual Club Lamb Sale

**Saturday, May 3rd, 2008**

Viewing at 9 am EDST  
Sale Begins at 10 am  
Over 35 Club Lambs

Lambs will be sold in a numbered order, with silent bidding if necessary. In this way we hope everyone will have an opportunity to purchase the lamb of their choice.

Located 2 miles north of Bark River

For more information contact Bob St. John at 906-466-2535 or [rstjohn@dsn.net](mailto:rstjohn@dsn.net)  
5200 D Road  
Bark River, MI 49807

## Koivisto to Speak at Chatham

It is with great pleasure we announce that Don Koivisto, Director of the Michigan Department of Agriculture, will be the Keynote Speaker for this summer's field day at the UP Experiment Station in Chatham. MDA Director Don Koivisto was born and raised in the western Upper Peninsula and graduated from Central Michigan University in 1971. He was elected to the Michigan House of Representatives in 1980 where he served three terms and was chair of the House Agriculture Committee from 1984-1986. Additionally, he served 12 years in the state Senate after being elected in 1990 and was on the agriculture appropriations subcommittee. Director Koivisto and his family own a 160 acre Centennial Farm in Ellsworth that is leased to an area farmer for the production of corn, soybeans and hay.

The field day at Chatham will be held on **Saturday, July 26**, with a "Focus on Energy". Items of interest at the event will include updates on current switchgrass research and a demonstration of small scale, on-farm, bio-fuel processing. In keeping with the energy theme, Director Koivisto will discuss his views on the role of agriculture in the State's green economy. We will keep you posted on other programs offered at the field day and hope to see you on July 26<sup>th</sup>.

## MAEAP Phase I Meeting

When: **May 8th, 2008** 6:30 - 9:30 pm

Where: Central Saving Bank Meeting Room  
Main Street, Rudyard, MI

Participants must pre-register. To register, please call Christine Perreault at 906-635-2136

## Carney Roundup Rodeo

**June 7-8, 2008**

Parade, Horse Show, Street Dance,  
Rodeo Queen, Mutton Bustin, Dream  
Ride in Barrels, Mini Bulls & Bull  
Riding, Bareback & Saddle Bronc  
Riding, & Team Roping



Tickets: Adults \$10.00 (pre-bought), \$12.00 day of  
Children 6-11 \$5.00/ \$7.00 day of  
Under 5 FREE

Money raised will be used to acquire land and build a facility in the Carney area for the benefit of our youth in the U.P.

At the Nadeau Township Hall, US 41, Carney, MI

For more information contact Joe Hudson at 906-639-2618 or visit on the web at [www.carneyrounduprodeo.com](http://www.carneyrounduprodeo.com)

## Hay For Sale Listings

⊙ 700-800 50# sq. bales- mixed hay, mostly 1st crop, stored inside  
*Bob Tourangeau 906-786-6811 Flatrock area (Gladstone, MI)*

⊙ 150 - 1000# Corn stalk round bales \$18/ea  
*Allan Bilski Norway 906-563-5350*

⊙ 130- 8 ft. silage bag of Alfalfa/clover haylage  
*Terry Chesebro Bark River 906-466-2518*

### Cows for Sale

⊙ 12 purebred Hereford cows about 5 years old. Bred with Black Angus/ Maine Anjou cross bull. \$900/head

*Todd LaFave Wilson, MI  
home: 906-497-5774 cell: 906-420-2421*

⊙ 5 yearling beef heifers for sale: 4 Hereford and 1 Hereford/ Limo cross. Approx. 750 lbs. Good breeding stock.

*Evan Sironen Ewen, MI 906-988-2295*

⊙ 100- 5'x6' Round bales

*Ed Rondeau 906-644-2777*

## Dyer Joins U.P MSU Extension Team

Dr. Larry Dyer has joined MSU Extension as an Extension Educator with four tribal communities in the UP and in the Northern Lower Peninsula.

Dr. Dyer will work on a variety of programs, including tribal family and community gardening, small scale sustainable agriculture and entrepreneurship. In addition he will be working with the four tribal communities to improve the sustainability of local and regional food systems.

Dr. Dyer will maintain his office on the campus of Bay Mills Community College. He can be reached there at 906-248-3354 or 1-800-844-BMCC.

## Sign-up for Dairy Disaster Assistance Program Resumes

Eligible dairy producers who suffered production losses in 2005, 2006, or 2007 may apply to receive benefits under the Dairy Disaster Assistance Program III, beginning March 5, the U.S. Department of Agriculture announced today.

Producers can sign up at their local USDA Farm Service Agency (FSA) service center until May 5, when sign-up will end.

This dairy program will provide \$16 million in benefits to dairy producers for dairy production losses that occurred between January 1, 2005 and December 31, 2007, because of natural disasters.

## Bovine Tuberculosis Program Update

### Provided by the Animal Industry Division MDA

*Note: I have taken these items from the 3/15 report that I felt would interest UP producers. Please contact me at 906-439-5880 for the complete report.—Ben*

### Livestock Industry, Wildlife, and Government Leadership Meeting

Michigan Farm Bureau hosted a meeting on February 25, 2008 with Michigan cattle industry and wildlife club leaders from both the public and private sectors. At the meeting, members agreed to investigate incentives and programs helping to eradicate bovine TB from Michigan. Key issues discussed included:

- ⊙ Wildlife risk mitigation plans in the TB infected Modified Accredited Zone (MAZ).
- ⊙ Targeted surveillance in the MAAZ and bovine TB-free Zone
- ⊙ Increased accountability for government agencies, livestock producers, landowners, and hunters
- ⊙ Linking agriculture and wildlife communities at the local level

MDA is revising action plans to address the issues and ideas presented. Further meetings between MDA and the DNR are scheduled to coordinate the activities of the two agencies.

### Zonal Boundary Compliance

A total of 123 livestock vehicles were processed by the MDA staff at the Agricultural Inspection Station located at the Mackinac Bridge in St. Ignace. Of these, 70 (57%) contained cattle. MDA staff found no violations in movement requirements at the bridge during the month of February.

Seven (6% of all livestock vehicles) livestock vehicles drove past the MDA livestock check-point north of the Mackinac Bridge without stopping. Two of the seven were stopped and received information regarding the requirement to stop. Neither of the two vehicles was transporting cattle, bison, or cervids. In comparison to February 2007, we had 14 fewer drive-bys.

MDA staff trained eight Michigan State Police Traffic Safety Officers and started 20 hours of surveillance per week on the border of the MAZ and MAAZ. During the month of February, MDA stopped five vehicles and found all vehicle drivers to be in compliance with movement requirements regarding bovine TB.

### Slaughter Surveillance and Slaughter Verification

There were 18,569 head of cattle scanned at the Michigan Livestock Markets in February, 2008. The number of cattle marketed was down significantly compared to January, likely due to adverse weather conditions.

Weather continued to impact the electronic scanners at the markets with some missing a week of data. At the end of February, all readers were operating with no reported problems.

Slaughter facilities scanned 13,638 head of cattle in February, 2008. This was an increase from the previous month. MDA staff are working with one slaughter facility having problems transmitting data from the facility to the central database.

## Annual Forages for Emergency or Supplemental Crop

*Dr. Doo-Hong Min, Extension Forage Specialist, MSUE/ UPES*

Annual forages for either warm-season or cool-season can play an important role to reduce feed shortage. This may be because of main forage crops' failure resulting from winterkill, poor establishment, or severe drought. Although the growing season in the UP is shorter than Lower Michigan, we can still grow summer annuals such as forage sorghum, sorghum-sudan grass, pearl millet, teff or brassicas such as forage rape, turnip or kale to provide emergency or supplemental feed for dairy and livestock. To plant warm-season annual forage, the soil temperature should be 60 – 65F. Following are potential warm-season annuals and forage brassicas to consider as these crops would make your animal farming more sustainable from unexpected crop shortage.

**Sorghum-Sudangrass Hybrids:** Sorghum-Sudangrass hybrids are the most common in summer annual sorghums and have the highest forage yield potential in summer annuals. Major uses are pasture, silage and mostly suitable for green-chop and it is not suitable for hay since it is difficult to dry enough for hay production. Seeding rate for sorghum-sudangrass hybrid is 20 – 25 lbs per acre.

**Forage sorghum:** Forage type sorghum is tall with small seed heads whereas grain types are short with large seed heads. Seeding rates for forage sorghum planted in wide and narrow rows are 4 – 6 and 20 – 25 lbs per acre, respectively. Forage sorghum is harvested mainly for silage when seeds are in early dough stage.

Both sorghum-sudangrass and forage sorghum have prussic acid poisoning issues most commonly after a killing frost or severe drought. Although ensiling can reduce the prussic acid level, it would be safe to test prussic acid concentration using ensiled samples at the commercial lab. Ruminants are more susceptible to prussic acid poisoning than swine or horses. **Horses should not be allowed to graze sorghum-sudangrass or forage sorghum due to unidentified toxin in sorghum.**

**Pearl Millet:** Major uses for pearl millet are pasture and silage. Like sorghum-sudangrass hybrids and forage sorghum, it has high forage quality when it is harvested at boot stage. Seeding rate for pearl millet is 15 – 20 lbs per acre. Unlike sorghum-sudangrass or forage sorghum, pearl millet does not produce prussic acid.

**Teff:** Teff is an annual warm-season grass native to Ethiopia in Africa. It adapts to a wide range of environments ranging from dry to wet soil conditions. Potential uses for teff are: emergency pasture, hay, or silage crop during summer slump, erosion control, or green manure. Teff can also be interseeded into thin alfalfa stand to extend forage production. Seeding rate for teff is 8 – 12 lbs per acre (coated seed). Since seed size is very small (1.3 million seeds per pound), planting depth should be 1/8 to 1/4 inches. Nutritive value of teff is high (12 – 17 % crude protein and 80 – 120 relative feed value (RFV) as compared to other warm-season annuals.

**Forage Brassicas:** Forage rape, turnip, and kale are in the Brassica family and have high nutritive values with low fiber and high protein and energy content. After killing frost, forage brassicas still maintain high forage quality. Forage brassicas grow well in cool temperatures and that's why forage brassicas can be mainly used for grazing in the fall until heavy snow covers the plants. In the UP, forage brassicas can be planted from late July to mid August at the seeding rate of 2-3 lbs/acre for turnip, 3-4 lbs/acre for forage rape and kale, respectively.

### Cow Manure and Lung Cancer

Never thought you'd see those two terms linked in an article, did you? We're not sure what to think about the following, but: According to an article in New Scientist magazine, dairy farmers are five times **less** likely to get lung cancer than is the general population. The likely reason is that farmers inhale dry manure particles, thus building up greater exposure to all sorts of microbes, including ones related to lung cancer. In fact, some epidemiologists are starting to think that modern life, with its extreme aversion to dust and dirt, might be part of the reason for the increase in certain types of cancers including breast cancer. Farmers certainly don't have to worry about avoiding dirt and dust, it's all around us. So next time you pass by that pile of manure—breathe deeply, it's for your own good.

## Registered Black Angus Auction

**1st Week in June**

**15 Bulls \* 30 Cow/Calf Pairs \* 10 Heifers**

**Call for Sale Book & More Information**

**Ross Farm**

**906-822-9907**



## Fertilizer Price Angst

As you're staring dolefully at your fertilizer price quote (or at the dreaded invoice), consider how lucky most of you are— at least those of you who are dairy farmers. About 2/3 of the nutrients you feed your cows are "passthrough" nutrients, both literally and figuratively. Cows only utilize about 1/3 of the nutrients they eat to produce milk, increase body weight, and grow a calf. Much of the balance is deposited in the gutter for you to use as efficiently as possible. Pause for a moment and consider the crops farmer. Sure, the prices of what he sells have increased considerably (so have the milk prices compared to two years ago), but he has to purchase the nutrients he needs. If you grow alfalfa or alfalfa-grass, you can supply much of the potassium and all of the phosphorus via topdressed manure. But the cash hay producer has to buy those nutrients, including a whole lot of outrageously priced potassium. Some farmers will be paying over \$100 per acre just for the potash needed to feed a hungry alfalfa crop, to say nothing of phosphorus needs. Similarly, many corn farmers need 200lbs or so of actual N per acre, and that's also about \$100 per acre.

Most dairy farms operate at a decided nutrient surplus: There's a lot more N, P, and K coming onto the farm as feed and minerals (and to a lesser extent, fertilizer) than leaving it as the nutrients in milk and cull livestock. The challenge, and it's never been a more financially rewarding one, is to use this resource— dairy manure— to replace commercial fertilizer to the greatest extent possible. This has always been a wise decision based on economics, but this year there could be another reason: Fertilizer industry experts tell us that 2008 may well be the year that some regions of the U.S. run out of phosphorus and/or potassium fertilizer; you'll call your fertilizer to get a price on MAP or 0-0-60 but he won't have a price because he doesn't have any and can't get it.

However, don't let high fertilizer prices get in the way of nutrient needs of your forage crops. Someone once said that if you think education is expensive, try ignorance. Similarly, while fertilizer is expensive, it's not nearly as expensive as buying forages to make up for the yield losses from under-fertilized crops.

*-Ev Thomas, W.H. Miner Agricultural Research Institute*

[www.maes.msu.edu/upes](http://www.maes.msu.edu/upes)

## CABIN FEVER

Dairy Cattle Sale

May 9th 12 Noon EST

*Johnson Brothers  
Livestock Facility  
Escanaba, MI*

**CALL TODAY TO  
CONSIGN OR FOR  
MORE INFORMATION**

United  
**Producers, Inc.**

Dairy Cattle Marketing  
Paul Warner 614-296-5038  
Chad Kreeger 517-294-3484

**Johnson Bros. Livestock**  
906-786-4878  
Gary: cell 906-235-0099

## **Robl Farms**

*Ewen, MI*

## FOR SALE

USED— 12 ½ Gauge High  
Tensile Wire by the lb.  
4000 ft = 60 lbs = \$65.00  
1" x 1 ⅛" x 6' fiberglass posts  
\$7.50 each.  
906-988-2588

## **No-Till Drill Field Day**

May 15th 12:30 pm CST

Speakers: Nick Thoney, To-Ne Hil Farms &  
Paul Naasz, U.P. MSU Experimental Station—  
Chatham

Address: Nick & Brian Thoney— To-Ne-Hil  
Farms

W6113 Co. Rd. 356— Daggett (at the Shop)



Directions: From US 41, Turn WEST onto Belgium Rd. same side as Road  
Commission Building, take LEFT onto Old US 41, Go 1/2 mile, Turn RIGHT onto  
Co. Rd. 356. Shop is about a mile down the road on the left.

### **Topics: Questions and Answer Session & Field Demonstration**

Topic Ideas: Advantages & Disadvantages, Field Preparations, Pesticide Uses, Manure &  
Fertilizer Applications, Gas & Time Savings, PROFITS?!, Planting Strategies, or any  
questions you may have

**\*Snacks & Beverages Provided\***

If you have any questions or you plan on attending, call the Delta Conservation  
District at 906-428-9469 ext. 3

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<p><b>FARM BUREAU INSURANCE</b>    <b>Rick Jensen</b>, Escanaba            (906)789-9373  <b>Marty Olgren</b>, Calumet            (906)337-2700  <b>Mike Ternus</b>, Marquette            (906)225-1328</p>	<p>  <b>Jilbert Dairy</b>            Marquette, MI            Buying top quality milk to produce            The U.P.'s finest dairy products.            Are you getting the most for            your quality?            1-800-427-0980 Toll free in the U.P.            1-906-225-1363 Local calls            Ask for John or Mark</p>	<p><b>Stephenson Marketing Cooperative, Inc.</b>  <i>Agricultural Services &amp; Supplies</i>  <b>Stephenson, MI</b> Powers, MI            (800) 445-6167 (800) 9623008  <b>Oconto, WI</b> Aurora, WI            (920) 834-4500 (800) 962-3007</p>	<p><b>Johnson Brothers Livestock</b>   3740 18th Rd. Escanaba, MI  <b>Buying or Hauling Cattle</b>            St. Louis—Mondays            Gaylord—Wednesdays            Call Gary Johnson            Office: 906-786-4878            906-235-0099            Cell: (586)530-5945</p>
<p><b>UP Tractor, Inc.</b>            Sales—Service—Parts  <b>Ritchie Waterers</b>            Zetor and Montana Tractors            Argo ATV's  <b>M&amp;W -Rhino-Kuhn</b>            14502 M-35 Rock, MI            Office: 906-356-6518            Home: 906-356-6289            dbartlett@uplogon.com</p>	<p><b>Country Lane Farms</b>            Ringle, WI            Call Scott @ 715-848-9383 for            free catalog. Angus Bulls,            Heifers, and Cow/Calf pairs.  <b>Any questions please call</b>  <b>715-848-9383</b></p>	<p> <b>Producers, Inc.</b>            St. Louis Sale every Monday            Marion Dairy Sale 3rd Friday            of each month            Collection point in Escanaba            Call for more information            (989)681-2191</p>	<p><b>HANSON'S DOUBLE G HEREFORDS</b>            W7048 CO. RD. 356            Stephenson, MI 49887            Raising Quality            Herefords Since 1958  <b>PERFORMANCE TESTED BULLS &amp; FEMALES</b>  <b>FREE DELIVERY</b>            GLENN JR. 906-753-4311</p>
<p>Your source for Polled Genetics  <b>Richlo Dairy Farms</b>  <b>Engadine, MI 49827</b>            Polled Holstein, Jersey, &amp;            Norwegian Red Bulls available!  <b>Employment Opportunities!</b>            For information on polled bulls in            AI, call Jonathan:  <b>906-477-6505</b></p>	<p><b>Ray's Feed Mill</b>  <i>Ration &amp; Crop Consultants</i>            FEED            SEED            FERTILIZER  <b>800-832-1822</b>  <b>906-466-2231</b>  <b>Bark River &amp; Norway</b></p>	<p>    <b>LINSMEIER IMPLEMENT, INC.</b>            N3522 US 41  <b>Menominee, MI 49858</b>  <b>RICHARD LINSMEIER</b>            BUS: (906)863-4479            HOME: (906)864-2987</p>	<p><b>GreenStone Farm Credit Services</b>  <i>At the heart of a growing America</i>  <b>90 Years of AG EXPERIENCE</b>            1801 N. Lincoln Road, Ste. A LOANS            Escanaba, MI 49829 AG TAXES  <b>(906) 786-4487</b> FARM RECORDS            CONSULTING  <b>FAX (906) 786-3450</b></p>
<p>  <b>Equity Cooperative Livestock Sales Association</b>            Bonduel, WI            Your Full-Service Livestock            Marketing Agency!  <b>715-758-2125</b>  <a href="http://www.equitycoop.com">www.equitycoop.com</a></p>	<p><b>HUGHES WESTFALIA SURGE LLC</b>  <ul style="list-style-type: none"> <li>⊙ Surge pipelines</li> <li>⊙ Sanitation supplies</li> <li>⊙ Cow mats</li> <li>⊙ Ritchie Water Fountains</li> <li>⊙ Silo unloaders</li> </ul> <b>Call:</b>  <b>Larry @ 906-786-0806</b>  <b>Henry @ 906-786-7190</b></p>	<p><b>Hiawathaland Farm Bureau</b>              President: Benny Herioux            Secretary: Barbara Cotey            16514 V.25 Road            Rapid River, MI 49878            906-446-3508</p>	<p><b>BERGDAHL'S Inc.</b>  <ul style="list-style-type: none"> <li>⊙ Cub Cadet, Troybilt, Bush Hog Equipment</li> <li>⊙ Simplicity &amp; White Lawn &amp; Garden Equipment</li> <li>⊙ Stihl Chain Saws &amp; Power Equipment</li> <li>⊙ New &amp; Used Construction Logging and Farm Equipment</li> </ul> <b>9345 US 41, Skandia</b>  <b>906-942-7344 Fax: 906-942-7326</b></p>

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### May Events

- 2nd **UPI Special Feeder Sale** 1 pm St. Louis, MI Call 989-681-2191
- 3rd **Annual Club Lamb Sale** 9 am Bark River Call 906-466-2535
- 7th **Biodiesel Basics** 9 am– 4pm Webberville, MI Call 517-432-4499
- 8th **MAEAP Phase I Meeting** 6:30-9:30 pm Rudyard, MI Call 906-635-2136
- 8th **Advanced Biodiesel** 9 am– 4 pm Webberville, MI Call 517-432-4499
- 9th **Northern MI Livestock Feeder Sale** 1 pm Gaylord, MI Call 231-439-5679
- 15th **No-Till Drill Field Day** 12:30 pm CST Daggett, MI Call 906-428-9469 ext. 3

### June Events

- 7-8 **Carney Roundup Rodeo** Nadeau Township Hall, Carney Call 906-639-2618
- 10th **Biodiesel Basics** 9 am– 4pm Webberville, MI Call 517-432-4499
- 11th **Advanced Biodiesel** 9 am– 4 pm Webberville, MI Call 517-432-4499