

Wisconsin Crop Manager

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The Complete 2010 Wisconsin Crop Manager-Volume 17 is Now Available

The complete Wisconsin Crop Manager-Volume 17 is now available on our website. To view all the 2010 issues of the Wisconsin Crop Manager in one PDF file complete with a table of contents click on the link below here.

[*Click Here to Download Volume 17*](#)

Wisconsin Crop Management Conference papers are online

Carrie Laboski, Extension Soil Scientist, Dept. of Soil Science, Univ. of Wisconsin-Madison

If you missed a presentation at the 2011 Wisconsin Crop Management Conference last week and are anxiously waiting for the next opportunity to see that presentation, or if you just want a chance to more closely review the information for a session you attended, you need not wait any longer.

The presentations and proceedings papers for the 2011 Conference are now available online at:

<http://www.soils.wisc.edu/extension/wcmc/>.

You can search for individual topics (going back to 2005) or view the entire proceedings book as a pdf (going back to 2000). Search for a topic like nitrogen and you'll have enough reading material to keep you busy for a few days.

UW-River Falls Field Scout Training Class

Bryan Jensen, IPM Program

The University of Wisconsin-River Falls, UW-Extension and the Integrated Pest Management Program are co-sponsoring the IPM Field Scout Training Class which will be held on the UW-River Falls campus, March 15-16, 2011. This training session will provide instruction for several pest and nutrient management topics (pest identification, life cycle, damage symptoms, economic thresholds and scouting techniques for insects, weeds, plant pathogens, herbicide injury and nutrient deficiency symptoms for corn, alfalfa, soybean and wheat, soil sampling, plant tissue testing). Click [here](#) for the complete schedule. CCA Credits will be applied for in the areas of pest and nutrient

Non-student registration fee is \$100/person and covers the cost of the training and the Field Crop Scout Training Manual. To register, send a check payable to UW-Extension and mail to:

Bryan Jensen
Dept. of Entomology
1630 Linden Drive
Madison, WI 53706.

For more information call Bryan Jensen at (608) 263-4073 or email at bmjense1@facstaff.wisc.edu

2011 Field & Vegetable Crops Training Sessions

Roger Flashinski, PAT Program Manager

The locations and dates of the 2011 *Field & Vegetable Crops* commercial pesticide applicator training sessions are:

Janesville ----- Feb 28

Baraboo ----- Mar 2

Eau Claire ----- Mar 3

Oshkosh ----- Mar 7

Pre-registration is required. The fee to attend a live training session is \$25; this is in addition to the \$45 base training fee for the manual.

You may register online for both (manual and session) at <http://ipcm.wisc.edu/pat/> and click on "Register Online". Or contact our office to request a registration card and complete

your registration by check: (608) 262-7588;
PATprogram@mailplus.wisc.edu

Nominations Sought for 2011 WI CCA of the Year

Bryan Jensen, IPM Program

The WI CCA Board would like to remind you that the nomination deadline for the “Wisconsin CCA of the Year” is March 1, 2011. An acceptable candidate must hold a current Wisconsin CCA certification and may be nominated by a customer, employer or colleague. To nominate a CCA, the [nomination form](#) consisting of 5 questions must be completed and two letters of reference are required. One letter should be from the employer and one from a customer (or two letters from a customer if self-employed). [Tips on completing the nomination](#) are available. Nominees will be evaluated only on the information submitted in the nomination packet. The recipient will receive a commemorative plaque and a \$500 award and their nomination packet will be forwarded for the ICCA of the Year Award.

Electronic applications are preferred; however, applications can be faxed or mailed. Unsuccessful applications will not automatically be reconsidered the following year. For more information contact Bryan Jensen, Dept. of Entomology, 1630 Linden Dr., Madison, WI 53706, Fax: 608-262-3322, bmjensel@facstaff.wisc.edu.

Web-distributed pesticide labels in the future?

Here’s your chance to provide your opinions to pesticide manufacturers and EPA.

Streamlined web-distributed pesticide labeling (WDL) is a concept being considered, on a national basis, for implementation in the future. The concept is this: pesticide manufacturers could choose to deliver simplified labels to pesticide applicators in agriculture, professional turf and landscapes, and rights-of-ways.

With WDL, container labels would include basic ingredient and safety information. Instead of having a long list of use directions, the label would include an Internet address (to download just your use directions) and toll-free number (if you prefer to obtain labeling via U.S. mail or fax).

Applicators choosing to use the Internet would simply search for their state and crop/use site using drop-down menus. The website would compile a legally-valid label for that crop/use site in your state that you could then save or print. Sixty-page labels in current form might be as short as six pages in WDL form, thus making labeling more user-friendly.

Benefits include:

1. Shorter, crop-specific labels
2. Label revisions with new uses/protections would come on-line faster

Concerns include:

1. Issues with Internet access or toll-free access for applicators
2. Demand on dealers to provide applicators with web-distributed labeling

Applicators, now is the time to share your thoughts on this concept. Consider going to the pilot website (<http://wdl.greenbook.net>) and searching for either Roundup (EPA Reg. # 524-537) or Headline (EPA Reg. # 7969-186). Test-drive the label search function and compare streamlined labels to full labels.

There is a short, anonymous survey on the website to capture your initial reactions regarding how you would access the information (Internet vs. toll-free number) and whether the shorter labels are an improvement over the current label.

Your input will help pesticide manufacturers and EPA make an informed decision about whether to move forward with web-distributed labeling.

Find out Meteorological Data at a Discovery Farms Weather Station near You

Eric Cooley – UW Discovery Farms Program

In addition to the real-time water quality monitoring that is being performed by the Discovery Farms Program, concurrent meteorological information is also collected near these locations. The Discovery Farms Program utilizes this information to understand how



environmental conditions impact water quality data collected at stream, edge-of-field, and tile drainage monitoring sites.

Other producers, apart from those participating in the Discovery Farms Program, have utilized this information to observe current conditions and make management decisions based on this and other information.

In addition to temperature, wind speed, precipitation and relative humidity that can be commonly obtained, the Discovery Farms weather stations also include soil moisture and soil temperature at various depths.

This information is useful to not only predict runoff, but can be utilized to assess when are good times to access fields for operations and manure hauling to reduce compaction.

These four locations currently have real-time weather station information that can be viewed online (click to follow hyperlink):

[Site near Cleveland](#)

[Site near Belmont](#)

[Site near Cashton \(Jersey Valley Watershed\)](#)

[Site near Colfax \(Red Cedar Watershed\)](#)

A fifth site is in the process of being placed online and can be found here:

[Site near Woodville \(Willow Watershed\)](#)

On these pages, a list of parameters for each site is listed. Click on either “Real-time” or “Daily Data” hyperlink and check the boxes of the parameters you would like to view, the format, and the time period, up to 120 days, you wish to view.

These links, along with real-time water quality monitoring data, can be found at:

<http://www.uwdiscoveryfarms.org/OurResearch/USGSRealTimeData>

Nitrogen Rate of Return Calculator UPDATED

Mike Rankin, Crops and Soils Agent, UW Extension-Fond du Lac Co.

A simple spreadsheet can be used to evaluate different net return per acre scenarios involving nitrogen (N) source, N cost, and expected corn price.

The spreadsheet lets you evaluate multiple different combinations of fertilizer type, cost, expected corn price, and yield responses at any one time. The user has the option of changing fertilizer type, cost, corn price, and N rate. The combination giving the highest return to N is highlighted within the price sensitivity table. Users must select proper Wisconsin yield potential/soil type from the first worksheet or tabs at the bottom of the spreadsheet.

The new version 4.1 approximates the April, 2010 updated UW nitrogen recommendation program for corn. It also contains information and links to more detailed information about the recently developed regional approach to N recommendations.

To download the spreadsheet go to:
www.uwex.edu/ces/crops/NComparison.htm

Nitrogen \$ Rate of Return Calculator									
Wisconsin High Yield Potential Soils - CORN AFTER CORN									
Yellow Cells Can be Modified									
N Source		Expected Corn Price							
Fertilizer Type	UREA	\$4.70	\$4.80	\$4.90	\$5.00	\$5.10	\$5.20	\$5.30	
Cost/ton	\$440.00								
%N	46								
Cost/Unit of N	\$0.478								
Yield Increase		Net Return (\$/ac.)**							
N Rate (lb./acre)	from 0 lb. N (bu./ac.)	N Price: Corn Price Ratio							
		0.10	0.10	0.10	0.10	0.09	0.09	0.09	
115	51.6	\$187.36	\$192.52	\$197.67	\$202.83	\$207.99	\$213.14	\$218.30	
120	52.6	\$189.98	\$195.24	\$200.51	\$205.77	\$211.03	\$216.30	\$221.56	
125	53.6	\$192.14	\$197.50	\$202.86	\$208.22	\$213.58	\$218.94	\$224.30	
130	54.5	\$193.84	\$199.28	\$204.73	\$210.18	\$215.62	\$221.07	\$226.52	
135	55.2	\$195.07	\$200.60	\$206.12	\$211.64	\$217.17	\$222.69	\$228.22	
140	55.9	\$195.85	\$201.44	\$207.03	\$212.62	\$218.22	\$223.81	\$229.40	
145	56.5	\$196.16	\$201.81	\$207.46	\$213.11	\$218.76	\$224.41	\$230.06	
150	57.0	\$196.02	\$201.72	\$207.41	\$213.11	\$218.81	\$224.50	\$230.20	
155	57.4	\$195.41	\$201.15	\$206.88	\$212.62	\$218.35	\$224.09	\$229.82	
160	57.6	\$194.35	\$200.11	\$205.88	\$211.64	\$217.40	\$223.16	\$228.93	
165	57.8	\$192.82	\$198.60	\$204.39	\$210.17	\$215.95	\$221.73	\$227.51	
170	57.9	\$190.84	\$196.63	\$202.42	\$208.21	\$214.00	\$219.79	\$225.58	
175	57.9	\$188.39	\$194.18	\$199.97	\$205.75	\$211.54	\$217.33	\$223.12	
180	57.8	\$185.48	\$191.26	\$197.04	\$202.81	\$208.59	\$214.37	\$220.15	
185	57.6	\$182.11	\$187.87	\$193.62	\$199.38	\$205.14	\$210.90	\$216.65	

*Yield responses are averages from 17W N rate studies for high yield, medium and fine textured soils
N rate includes starter N applied

**Net Return = (corn price x yield increase) - (N price x N rate)

UW Extension TEAM Grains

Developed by Mike Rankin, Crops and Soils Agent, UW Extension-Fond du Lac County