

WHAT'S IN
YOUR POCKET?

ROGER SCHMIDT
UNIVERSITY OF WISCONSIN -
MADISON

Pocketful of power



Like carrying a full 6-tube radio in your pocket! This pin-size power-pack packs 6 transistors and 2 germanium diodes. Extra amplifier transistor in RF-Stage produces 5 times more power to get more stations. 3-section gang Tuning Condenser has 9 times more power to select desired station, reject unwanted stations. Audio transformer delivers 40% more audible volume without distortion. Plays hundreds of hours of peak performance on portable batteries you buy for pennies.

More  **MOTOROLA**
to enjoy

MY DAD'S MOBILE DEVICE



WHAT HAS BEEN, WILL BE AGAIN



DID SOMEONE YOU KNOW GET A ONE?

iPhone

iPad

iPod Touch

Samsung Galaxy Nexus

Samsung Galaxy S II

Samsung Galaxy Player

Samsung Galaxy S II Skyrocket

Motorola Droid RAZR

Samsung Epic 4G Touch

BlackBerry Torch

HTC Titan

HTC Rezound

LG Enlighten

BlackBerry Bold

Samsung Infuse 4G

HTC EVO Design 4G

Motorola Droid Bionic

Samsung Focus

Samsung Galaxy S 4G

HTC Inspire 4G

Sony Ericsson Xperia PLAY

HTC Droid Incredible 2

Casio G'zOne Commando

Nokia Astound

Motorola Droid X2

Samsung Nexus S 4G

HTC EVO 3D

Samsung Stratosphere

LG Thrill 4G

HTC ThunderBolt

Motorola Photon 4G

Samsung Droid Charge

LG Optimus 2X

HTC Rhyme

Android tablets.....

Acer Iconia Tab A200

Acer Iconia Tab A700

Asus Eee Pad Transformer Lite

Asus Eee Pad Memo

Coby MID7042 7,8,9,10

Geniatech Enjoy TV

HTC Fireball LTE handset LG

Spectrum phone for Verizon

Successor of Optimus 3D

Prada Note

Motorola Motoluxe

Motorola Defy Mini

Samsung Galaxy Note AT & T

Samsung Galaxy Ace Plus Entry

level Android phone

Sony Ericsson Aoba LT28at

Sony Ericsson Nozomi LT26i

Sony Ericsson Nypon LT22i

Sony Ericsson Pepper LT27i

Sony Ericsson Kumquat ST25i

Toshiba with world's thinnest

10.1 inches tablet

Toshiba with Organic EL tablet

Toshiba with water proof tablet

Toshiba with low cost 7 inches

tablet

Velocity Cruz with T507 Android

4.0 tablet

Velocity Cruz with T510 Android

4.0 tablet

ViewSonic ViewPad tablet

ViewSonic ViewPad smartphone

WHAT WILL YOU DO WITH IT?

Text

Email

Read News

Twitter post

Facebook poke

Flickr photo

YouTube video

Pandora radio

GPS navigate

Translate signs

Shop smart, Pay your bills

Play Words With Friends

Bring work home with you...



HERE COMES fun!

here comes beauty
here comes value
here come the new
Motorola
portables

MORE FUN WHEREVER YOU GO—with a new Motorola Portable! Precise engineering gives you "plus values" like maximum sensitivity—selectivity that knifes through local stations to bring in distant ones—big power for full volume and rich tone where some sets fail to play at all. See—hear—compare the new Motorola Portables.

Model 59L12 (left, below)—AC, DC or battery operated. Maroon or black with bronze-gold metal grille and trim. . . . **\$29.95**

Model 49L11—As above, except battery operated only. Colors: Tan or green with bronze-gold metal grille and trim. . . . **\$19.95**

BRINGING WORK WITH YOU = LESS WORK?

Picture? Got it

Video? Got it

Stack of books? Got it

GPS? Map? Compass?

Got it, got it, got it

Text? Email? News?

So... 20 seconds... ago

Music? Social media? Games?

Yes yes yes

Hold that thought?

Get the answer now!



WHAT WE'RE DOING

We're testing the waters with:

- Online webinars
- YouTube videos
- ePub books
- Smartphone apps
- Mobile enabled websites

Also we're watching, listening to, and copying from all of you.

Styled with Swagger...Packed with Power...Rarin' to Go!



PHILCO Rough Rider

3-WAY PORTABLE RADIOS



*Give and get the
Luxury Look
of Leather*

You can't give four—you can't take 'em! Portable, every beautiful and rugged model a thoroughbred—made to go. Here's fashion leadership with an eye to toughing it. All the tough properties of the finest leather—durable, reliable and, oh, so Jewish!

GENUINE TOP GRAIN COWHIDE

'Mustang'
3-WAY
PORTABLE

Swivel tough, swivel handsome! The real "swivel" of portable radio is all closed up to make Top Grain Cowhide. Can't say more for any change-over built by Philco.



MODEL 475

'Suzanne'



MODEL 476

'Kookaburra'



MODEL 477

'Rancher'



Beauty and durability, Philco 3-Way "Rough Riders" are built for back-country life... they won't chip, warp or break. They have that extra "go" look of the finest leather.

Each accessory, every selection, plus remarkable tone quality make a Philco "Rough Rider" portable the radioing bug of the year. Whatever you go for, performance guaranteed—superb performance, guaranteed by the performance—endurance of you.

PHILCO...The Brand Mark of Quality in Outdoor Radio

WISCONSIN/2108

BFNKY TC40

BFNKY



40

BFNKY TC40



Pests and scouting

by UW-Wisconsin IPM videos

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19
videos

2:55:34
duration



Black Cutworm in Corn
by uwcoopextension

59
views



Armyworm in Corn and Wheat
by uwcoopextension

58
views



Slugs in Corn and Soybean
by uwcoopextension

41
views



Spider Mites in Soybean
by uwcoopextension

82
views



Japanese Beetle in Corn and Soybean
by uwcoopextension

60
views



Scouting for Insect Pests in Corn and Soybean

605
views

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Frost Seeding Red Clover in Winter Wheat

Jim Stute, University of Wisconsin (UW) Extension, Rock County
 Kevin Shelley, UW Hubert and Pest Management Program

Grow your own nitrogen

For a winter wheat grower, having an opportunity to "grow your own nitrogen (N)" to help manage input costs and accrue soil quality benefits. The age-old practice of green manuring, especially in connection with wheat, can produce significant, sustainable N for some the next year. It also protects the soil and may be eligible for cost share under local and federal conservation programs.

Multi-year research in Wisconsin has demonstrated that red clover (*Trifolium pratense*) is the most productive and reliable legume choice for green manuring. If interseeded into winter wheat in early spring (table 1), interseeded into a cover crop in the entire growing season which helps maximize nitrogen credits. Seeding clover in other forage legumes after wheat harvest is more likely due to the potential for dry conditions and a shorter growing season. To speed up establishment and slow growth (especially in late summer and early fall), a pre-soil conditioner should be applied before adequate rainfall is expected for producing acceptable yields for winter seedings (figure 1). Red clover offers the additional advantage of being a cover crop for soybean, corn, and sorghum. A problem with many of the other legume cover crop options.

Table 1. Annual and 2-year yields for cover crops under corn in the winter wheat production system. 2012-2013, 2013-2014, 2014-2015 and 2015-2016. Data are means for 2012-2016.

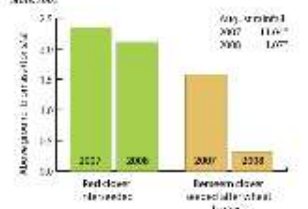
Legume	Yield (t/ha)	Forage	Stover (t/ha)
Interseeded			
Red clover	11.70	0.53	2.26
Grass after winter			
Barley	1.12	0.67	2.10
Common clover	0.41	0.67	0.72
Common vetch	0.62	0.21	1.28
Annual ryegrass	0.88	0.18	1.72
Annual meadow	1.00	0.5	1.34
Chickling vetch	0.45	0.35	0.55
Annual alfalfa	0.35	0.30	0.42

Table 2. Annual and 2-year yields for cover crops under corn in the winter wheat production system. 2012-2016.



Photo credit: Jim Stute, UW Extension, Rock County, WI. Photo credit: Kevin Shelley, UW Hubert and Pest Management Program.

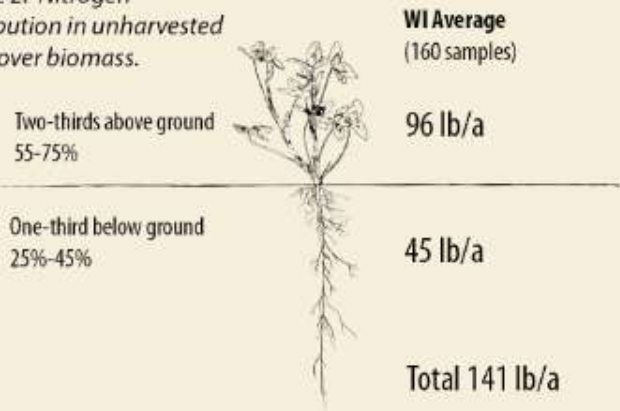
Figure 1. Annual and 2-year yields for cover crops under corn in the winter wheat production system. 2012-2016.



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- Clover management 16
- Nitrogen management for the following corn crop 18
- Nitrogen application strategies 19



Figure 2. Nitrogen distribution in unharvested red clover biomass.



WI Average (160 samples)

Higher biomass production will result in higher N credits and the need for less fertilizer N. Whole-plant carbon to nitrogen (C:N) ratios for red clover range from 11:1 to 17:1. This is low enough to allow rapid decomposition of clover residue, releasing plant-available N for corn uptake. Wisconsin data suggest that approximately 70% of whole-plant N will become available in the first year following the clover, most released before corn begins its period of rapid uptake (figure 3).

Figure 3. Relationship between clover nitrogen release and corn nitrogen uptake under conventional tillage. Adapted from Stute and Posner (1995) Agron. J. 1063-1069.



I should compare my input costs.

Using the recom... help produce cre... range if not beyo... on-farm, organic source of N can be co... competi... tive with purchased fertilizer sources of N.

Sampling Soil for Nematodes

1. Sample around plants that appear to have nutrient deficiencies, herbicide injury symptoms, or in weedy areas of the field. Submitting plants from the affected area is not required.
2. In severely affected areas, sample on the edge of the area, not the center.
3. Travel across the field in a zigzag pattern collecting 20–25 samples for every 10 to 20 acres. Use a soil probe to collect samples at a depth of 6-8 inches.
4. Mix the soil samples in a bucket and put 2 cups of the soil into a plastic bag. Soil sampling bags work well. Store soil samples in a cool, dark place until you're ready to ship them to the lab. Don't leave soil samples in a hot vehicle, on the dashboard,

etc.

5. Do not send samples to the lab late in the week or over the weekend. They may sit in hot conditions over the weekend.
6. Make sure to provide your name, address, phone number, as well as the sampling date, number of acres the sample represents, crop history, location or field number with the sample, along with the appropriate fee (\$35.00/sample for nematode analysis and \$22/sample for soybean cyst nematode analysis). Send samples to the: Plant Disease Diagnostics Clinic, Department of Plant Pathology, University of Wisconsin, 1630 Linden Drive, Madison, WI 53706-1598.

Authors: Paul Esker, Assistant Professor of Plant Pathology; Ann MacGuidwin, Professor of Nematology & Plant Pathology; and Richard Proost, Nu-

N Price Calculator

\$/ton of Fertilizer

% Nitrogen

400

46

Ammonium Nitrate (34% N)

Ammonium Sulfate (21% N)

Anhydrous Ammonia (82% N)

Urea (46% N) ✓

Urea Ammonium Nitrate (28% N)

Urea Ammonium Nitrate (32% N)

\$0.43/lb N

based on \$400 per ton at 46% N

Add to List

Compare Prices



Wisconsin's Corn N Rate Calculator

\$/ton fertilizer

% N

\$/bu corn

400

46

6.50

$\$/lb\ N = 0.43$

$N:Cor n = 0.07$

High/Very High yield potential soils

High Medium Sands

What was the previous crop planted?

Corn, Veggies, Forage legumes Soybeans, Small grains

lbs N/acre (before subtracting N credits)

140

125---160



U of M Conservation Tillage Conference in Rochester, Feb. 7-8

By: ipcm-edit
Categories: [WCM newsletter](#), [What's New?](#)

U of M Conservation Tillage Conference in Rochester, Feb. 7-8 How-to information, expert advice, practical tips Learn how conservation tillage can save soil, time, fuel — and money. University of Minnesota Extension will host the seventh annual Conservation Tillage Conference and tradeshow Feb. 7 and 8, at the International ...



Wisconsin Crop Manager for December 8, 2011

By: ipcm-edit
Categories: [WCM Issue Files](#)

Click below to view the Wisconsin Crop Manager for December 8, 2011.



University of Wisconsin Crop Variety and Hybrid Trial Results

By: ipcm-edit
Categories: [Crops](#)

University of Wisconsin Crop Variety and Hybrid Trial Results Joe Lauer Every year, the University of Wisconsin Extension-Madison and College of Agricultural and Life Sciences conduct a corn evaluation program, in cooperation with the Wisconsin Crop Improvement Association. The purpose of this program is to provide unbiased performance comparisons of ...



Wisconsin Corn and Soybean Conferences

By: ipcm-edit
Categories: [What's New?](#)

PUBLISHED ON JANUARY 5TH, 2012

U of M Conservation Tillage Conference in Rochester, Feb. 7-8

Written by: ipcm-edit

U of M Conservation Tillage Conference in Rochester, Feb. 7-8

How-to information, expert advice, practical tips

Learn how conservation tillage can save soil, time, fuel — and money.

University of Minnesota Extension will host the seventh annual Conservation Tillage Conference and tradeshow Feb. 7 and 8, at the International Event center in Rochester, MN.

The day-and-a-half-long conference will provide practical, how-to information on nearly every aspect of conservation tillage.

Experts from the University of Minnesota, and neighboring states will present the results of extensive research comparing tillage systems, including strip tillage. In addition, experienced conservation tillage farmers will answer questions and provide management tips.

Conference topics include: precision ag solutions, weed species shift and control, nutrient management in high residue systems, strip intercropping management, soil health with reduced till systems, and vendor sessions: learn about new equipment and technology

More information, including schedules, maps, contacts and exhibitor registration is available at www.TillageConference.com. Or contact Jodi DeJong-Hughes at 507-337-2800 or dejon003@umn.edu.

Be Sociable, Share!



Somewhere Between Chaos and Calm



Thursday's round of USDA numbers could spark chaos in the grain markets. However, it is almost as likely that the numbers will...

Crop Inputs: Steady to Higher in 2012



Seed, fertilizer, ag chemical and diesel costs could all be at 2011 levels to slightly higher in 2012.

Feed Costs Will Be Worry for Livestock



The cost of feed is a major concern for livestock producers in 2012, as...



Market Matters Blog

DTN's national average cash price for soybeans dropped 27 cents Wednesday; other crops had minor changes.



Technically Speaking

The Chicago wheat market is giving signals that pressure could be building on the nearby March contract.

Elec. Corn		Elec. Soybeans		Elec. Wheat		Elec. Live Cattle		Elec. Feeder Cattle		Elec. Lean Hogs	
↑ Last	659'2	↑ Last	1206'0	↑ Last	647'2	↑ Last	121.625	↑ Last	148.825	↑ Last	83.375
Change	7'6	Change	8'4	Change	6'2	Change	0.300	Change	0.150	Change	0.475
High	659'4	High	1206'0	High	648'4	High	121.675	High	148.950	High	83.525
Low	650'6	Low	1197'4	Low	640'0	Low	121.300	Low	148.750	Low	82.975

Current Conditions: Madison, WI 53717

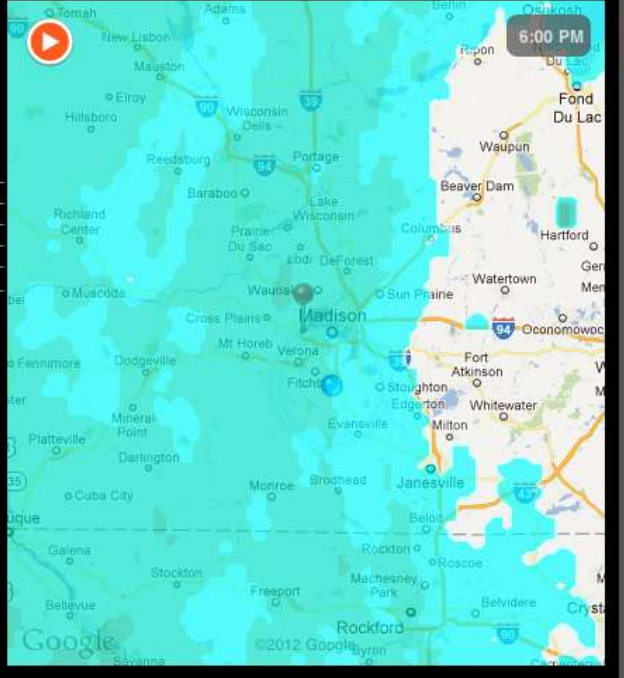
Cloudy
22°F

Feels like: 10 °F
 Wind: NNW at 13 mph
 Dew Point: 17 °F
 Humidity: 80 %
 Sky Cover: Cloudy

Observed at Morey Field, WI (KC29) Thu 6:55AM

8AM	9AM	10AM	11AM	12PM
22°	24°	25°	26°	26°

Thu	Fri	Sat	Sun	Mon
21° 26°	12° 21°	2° 23°	11° 28°	18° 35°



END

QUESTIONS?