



JULY 2016
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ITEMS FOR SALE

- 2010 MacDon D50 35-ft. draper header with pickup reel. Stored inside - great condition. \$37,500
 - Case IH Pro 600 and Pro 700 monitors, two drive shafts off Sakundiak auger, weight package from a Case 2588. \$288
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Parasitoids to manage wheat midge continues in Montana during 2016

The wheat midge (formally called the orange wheat blossom midge) can cause significant damage to spring wheat and is widely distributed throughout Montana. A state-wide monitoring effort has been on-going since 2014 and the results have been posted on Pestweb (<https://pestweb.montana.edu/>). The information supplied on this website shows that counties in the Northwest, Northcentral, and northeastern parts of the state have the highest levels of infestation. Fortunately, other insects may hold part of the solution for controlling the wheat midge. A small parasitic wasp, *Macroglanes penetrans*, attacks the wheat midge, helping to

regulate populations. This parasitoid is credited with controlling about 25 to 40 percent of the midge population in parts of Canada and North Dakota. In some instances, parasitism rates of greater than 75 percent have been documented. Efforts to introduce the parasitic wasp into Montana are on-going. This effort is a continuation of work that began in 2008 at the Northwestern Agricultural Research Center (NWARC) in Kalispell to address a serious infestation of wheat midge in the Flathead and Lake Counties. The parasitoid was supplied by entomologists from North Dakota State University and released at a single

sight in Flathead County. After the initial release, the parasitoid population slowly increased, and by 2014, high numbers of the wasp could be found throughout Flathead County. In July of 2014 a new collection of the parasitoid was collected from the Lethbridge area and released in both the Kalispell and Conrad-Valier areas. The good news for the spring wheat growers is that *Macroglanes penetrans* populations have been slowly establishing in Pondera and Flathead Counties, and as of 2015, parasitoids counts were dramatically higher in these regions.

FARM AUCTION ~ VINCENT SCHMOECKEL ~ RETIREMENT AUCTION

SATURDAY, SEPTEMBER 10, 2016 AT 10 A.M.

Registration at 9:30 A.M. 35 miles south of Malta, Mt. on Hwy 191

Lunch Provided by DalRena's. Signs Will Be Posted!



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| <p>Versatile 875 Tractor</p> <ul style="list-style-type: none"> • Case IH Dx60 649 hrs, w/Case L360 header, 7ft bucket, front wheel assist, pto, 3pt hitch. Like new. • Gleaser R 70 Combine, Deutz Allis diesel motor, 30 ft header, Cray Air Reel, new tires all around, 270 hp twin turbo, 3995 eng. hr, 2798 sep. hr, air conditioner. Always in shed except in field. Runs like new. • L Gleaser Combine 24ft header, diesel • Versatile 875 4x4 duals very good rubber, air condition, 8219 hrs. Very good. • John Deere 5020 Tractor w/cab w/pto. Runs good. • 1950 John Deere A tractor w/loader Very good shape, runs good. • Old John Deere Tractor A or B parts, winnow front end. • John Deere 5020 parts/tractor • Ford Field 9480 Tractor, duels cah. 6288 hrs 1-3-4 trans., 3 ranges, 350 hp. Very good cond. • Fordson Ferguson Tractor, 4 spd, good rubber. • Versatile 42ft Grain Drills 12" w/ hitch (six) • Flexi-coil 42ft Cultivator w/foater hitch, w/inger harrows, w/lofts of extra parts. Very good. • Frigstad Cultivator 42ft. Good cond. • Versatile Noble 2000 grain drills, 35ft w/transport. Very good shape. • Versatile Noble drills (five) old/parts • Midland Manufacturing Co. tandem disc 36", 20" disc's in very good cond. • Drill Filts (three) one - 24ft, two - 16ft • Case Cable Cultivator • Anderson Rock Picker reel type • Old Rock Picker (works) • Grain Auger 54ft 8" pto. Good cond. • Grain Augers (three older) | <p>Grain Auger 54ft 8"</p> <ul style="list-style-type: none"> • Grains Lifts to put bins up (four) • Bin Lifter- setup grain bins • Hoper (four) • Grain Dryers (two) • Tractor Chains • Truck rear end • Caryall Model M Scraper 5 yard, converted to hydraulic. Ser. # S29213-MA • Cat Scraper 1 yard • Antique Road Grader • 3pt Mower • 3pt Plow • 3pt Blade • 3pt Cement Mixer • 3pt Tool Bar • Dump Rake horse drawn • Old Corn Planter • McCormick horse mower • 1968 Ford Mercury • 1976 Chevy Tandem axle, 5-4 spd axle, new heads, new carburetor, new motor 366 eng. C65 24ft box hoist, 10-20 rubber. Very good shape. • 1976 GMC 6000 V8, 18ft bed hoist, 5-2 - 350 V8, single axle, 920 trans. Very good. • 1994 Chevy 2500, 5 spd diesel motor 6.5, 4x4, w/FYS sprayer, 8hp Honda motor, 80ft boom sprayer, 400 gal. foam marker • Chevy Pickup Custom Deluxe 20 w/electric wench, 350 eng. 4x4 auto trans. • C 50 Chevy 350 eng., 4-2 trans., 18ft box hoist • Old GMC truck 16ft bed hoist/parts. • Old Chevy truck/parts • Old Chevy truck/parts • Randy Shores built 18 ft blue Car Hauler/trailer • Lots of Parts and Scrap Iron • Case 800 Combine/scrap iron • Culverts 12" (two) | <p>John Deere 5020 Tractor</p> <ul style="list-style-type: none"> • Fuel Tanks 500 gal. w/stands (two) • Fuel Tank 300 gal. • Gas Motor 5 hp • Large Electric Motor. Runs good. • Water Tank 1500 gal. • Spray Tank 300 gal. • Mixer Tank 30 gal. • Honda Pump 2" • Water Pump 2hp gas power w/hoses • Fargo Boxes • Hobart 10,000 watt Generator Welder • Acetylene Torch and Bottles • Sanborn vertical Air Compressor • Air Compressors (two small) • Air Tire Changer • 1" Air Impact tool w/sockets • Socket Sets • Craftsman Tool Box • Drill Press • Electric Bench Grinders • Battery operated Grease Gun • Hydraulic Drill Press • Hydraulic Jacks (several) • Bolt Bins w/bolts in bins • Heavy Duty Cord • Extension Cords • Shop Vacuum • Lots of Shop Tools • Lots of Miscellaneous Old Tools • Step Ladders (several) • Air Conditioner Pumps Put new fluid in. • Space Heater • Electric Stove w/wood burner • Lots of Tires • Belts, Hoses, Filters • Oil Barrel w/pumps 80-90 • Oil Barrel 85-140 30 gal. Never opened. • Antique Bottles (two trailers full) • Some Antique items • Lots of Lumber • Railroad Switch Ties (twenty) • Lots of Cable |
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In 2015, another trip was made by into Saskatchewan to collect two different species of parasitoids known to be active on the wheat midge (*Euxestonotus error* and *Platygaster tuberosula*). Wheat heads containing the parasitoids were brought back to the Western Triangle Agricultural Research Center (WTARC) in Conrad for rearing and the eventual release of these new parasitoids in July of 2016.

At the same time, sweep net surveys conducted during 2015 in Flathead County found that one of these parasitoids was already present. *Euxestonotus error* was identified at eight different sights in Flathead County. This indicates that these other parasitoid species should survive and multiply in Montana and provide additional help in managing the wheat midge.

The MSU Wheat Midge Biological Control Team members include Brooke Bohannon, NWARC, Dr. Erik Echegaray, NWARC, Dr. Gadi VP Reddy, WTARC, Conrad, Dr. Govinda Shrestha, WTARC, Dr. Bob Stougaard, NWARC and Dan Picard, WTARC. The Montana Wheat and Barley committee has provided support for this project. For more information on the biological control program or wheat midge contact any of the team members at WTARC (406-278-7707) or NWARC (406-755-4303).



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