



MONTANA AGRICULTURAL EXPERIMENT STATION *SUMMER 2018 INTERNSHIPS*

Paid internships are available at each of the seven MAES Research Centers for MSU, MSU-N or MSU-B students. Each intern will serve eight weeks or more during the summer semester. Tuition credits will not be covered but can be discussed with Internship leader. *On-site housing is available at some of the centers. Interns will assist with various research projects, farm and ranch related tasks, data analysis and more. Should internship credits be desired, credit approval through the students' academic department will be led by the student requesting the credits.

This will be a great item for your resumé!

The following opportunities are available:

Northern Agricultural Research Center in Havre, MT

Contact: Dr. Maryse Bourgault, email maryse.bourgault@montana.edu

The Cropping Systems and Agronomy group is looking for a summer intern. We have experiments looking at nutrition, crop rotations and root development with pulses, canola, and cereals. Hands-on training and mentoring will be provided in crop physiology methodologies such as destructive samplings, monitoring of soil water and root tracing as well as in statistical analysis and writing skills for a producer audience.

Job duties mainly include assisting in data collection and plot field maintenance. Work will be both indoors and outdoors, often conducted as a team. Ability to follow instructions, read plot maps and accurately record data is necessary. For those interested, this experience will give a unique insight into a career in agricultural research. Internship credits are possible and encouraged, but approval needs to be sought by the student. Learning objectives will be determined by discussion between the PI and the student-intern, preferably before the start of the internship.

Hours are normally 8-4:30 p.m., however there may be some evening and weekend hours necessary. Minimum of 8 weeks, up to 16 weeks and potential for part-time work during the academic year. Please include desired and available dates in the application. Must have a Driver's License and be able to lift 50 pounds.

Western Triangle Agricultural Research Center in Conrad, MT

Contact: Dr. Gadi Reddy, email gadi.reddy@montana.edu

Summer interns will have opportunities to work and learn skills on the following areas:

1. Technical know-how on developing Montana agriculture management practices including pest management and varietal evaluation of various crops grown in the Golden Triangle area of Montana
2. Field trials on evaluation of several integrated pest management practices encompassing biopesticide, pest monitoring and biological control of wheat stem sawfly, wireworms, wheat midge, flea beetles and cabbage seedpod weevils, pea leaf weevil, pea weevil and alfalfa weevil
3. Direct interaction with Montana Agriculture Producers
4. Work on the effects of differing systems on crop and variety performance under diverse environments represented across the Western Triangle Agricultural Region of Montana and potential fit of other materials, concepts and techniques with various cropping systems employed for cereal crop production
5. Some monitoring of soil moisture data loggers under Low Energy Sprinkler Application (LESA). Learning plans could include a short write up about IPM and how biopesticides fit into IPM or a short write up and graphing soil moisture data from the LESA experiment.

Central Agricultural Research Center in Moccasin, MT

Contact: Dr. Patrick Carr, email patrick.carr@montana.edu

The internship program is designed to give provide students with a broad experience at an applied agronomic research facility in a rural environment. The focus of the experience is to give student interns applied experience working in agronomic research alongside faculty and professional staff. Student interns will be given hands-on training and experience in the varied research and associated responsibilities that exist at the center. Part of this research experience will involve the students and faculty jointly agreeing on their (i.e., the student's) greater involvement in one, and occasionally two, field experiments where the students will take a particularly active role in contributing to the research. Student interns will meet regularly with faculty and professional staff to discuss ongoing research as well as applied agronomic research more generally. Our objective and expected outcome is that student interns will leave CARC with a good understanding of the operation of a research center and the demands and rewards of conducting applied research at CARC and comparable research facilities. The focus of the student internship program is research. However, to provide a complete experience to students, they will participate in other activities germane to the mission of CARC. For example, foundation grain/seed is grown at CARC, so student interns will be exposed to that aspect of the center's mission. Similarly, student interns will occasionally participate in other non-research activities that are common at off-campus research facilities so they better appreciate the expectations placed on faculty and staff at centers like CARC.

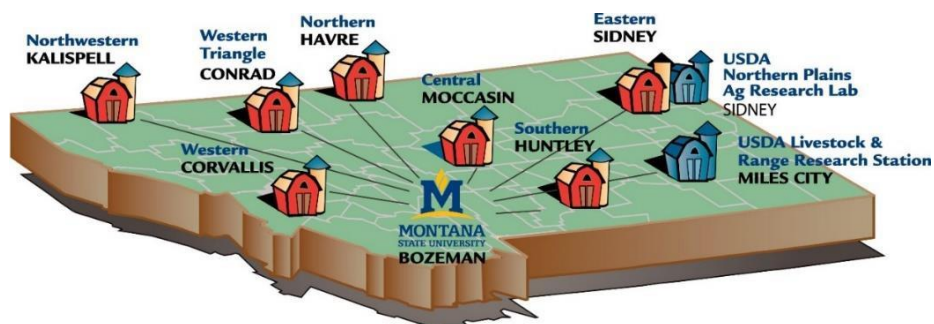
Eastern Agricultural Research Center in Sidney, MT

Contact: Dr. Frankie Crutcher, email frankie.crutcher@montana.edu

The Eastern Ag Research Center in Sidney MT is seeking a highly motivated student with an interest in plant pathology to join us for a summer internship focused on sugarbeet disease management. This internship will incorporate both field and laboratory based learning opportunities. Field responsibilities will include assisting with sugarbeet field trials, which consists of data collection, plot maintenance, rating for disease, and collecting plant samples for disease identification. The student will also receive laboratory training in isolation of plant pathogenic bacteria and fungi from tissue, preparation of growth media, preparation of chemicals and/or inoculum for lab or field use, maintenance of cultures, and using molecular techniques involving DNA. Additionally, there will be several opportunities to interact with local farmers and industry. Funding has been obtained to extend the internship past the advertised 8 weeks and on-site housing may be available.

TO APPLY: Submit a letter of interest **including** your full name, major, year in school and contact information. **Please include a <300 word essay on why you are interested in a Research Center internship and which Research Center internship program you would like to apply for within your application.** You can apply for the specific internship by clicking the email link of your desired internship program and location. You may apply for more than one internship, but you must do so by applying for each program you are interested in. The same application material can be uploaded multiple times by separate emails sent to the specific program leaders.

Deadline: April 15, 2018



For more information regarding the research centers, please go to the Departmental Website <http://agresearch.montana.edu/researchcenters.html>, and click the internship link or contact the Research Center Superintendent:

Research Center	Superintendent	Email	Phone	Housing Details
CARC – Moccasin	Pat Carr	patrick.carr@montana.edu	406.423.5421	*Housing available
EARC – Sidney	Chen Chengci	cchen@montana.edu	406.433.2208	*Housing available
NARC – Havre	Darrin Boss	dboss@montana.edu	406.265.6115	Housing may be available
NWARC – Kalispell	Jessica Torrion	jessica.torrion@montana.edu	406.755.4303	Housing not available
SARC – Huntley	Ken Kephart	kephart@montana.edu	406.348.3400	Housing may be available
WARC – Corvallis	Zach Miller	zachariah.miller@montana.edu	406.961.3025	*Housing available
WTARC – Conrad	Darrin Boss	dboss@montana.edu	406.265.6115	Housing not available