Montana State University Northern-Education That Works

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Education That Works
RELEVANCE

Energy Security
Agricultural Sustainability
Economic Stability
Training Future Technologists and Technicians

EDUCATION
High-Impact Learning
Hands-on Training

RESEARCH
Fuel Formulation
Catalyst Development
Fuel Additive Synthesis

TESTING SERVICES
Fuel Property Evaluation
Heavy-Duty Engine Performance Testing

MONTANA STATE UNIVERSITY NORTHERN
EDUCATION

MSU-Northern provides academic research and training opportunities to MSU Northern students and neighboring secondary schools.
Education and Career Opportunities

**Academic Programs**
- Agriculture Mechanics Technology
- Agriculture Operation’s Technology
- Automotive Technology
- Biology
- Business
- Civil Engineering Technology
- Diesel Technology
- Electrical Technology
- Industrial Technology
- Plumbing Technology
- Welding Technology

**Research**
- Biofuel Research
- Diesel Engine Testing
- Diesel Exhaust Emission Evaluation
- Fuel Additive Synthesis
RESEARCH

Using state-of-the-art lab facilities, the Advanced Fuels Center at MSU-Northern is able to conduct comprehensive studies on fuel formulation, chemical synthesis, and catalyst development.

These activities facilitate innovations that lead to economic development.
TESTING SERVICES

Our team of researchers are committed in delivering independent product evaluation, comprehensive engine performance testing, and the development of new technologies.
KEEPING MONTANA AGRICULTURAL CROPS GLOBALLY COMPETITIVE

80-gallon batch biofuel reactors

Five-ton per day oil pressing facility
KEEPPING MONTANA AGRICULTURAL CROPS GLOBALLY COMPETITIVE

750 kW AC engine dynamometer

Straight Vegetable Oil field trials at Quinn’s Farm & Ranch
Thank you!