Michigan Alliance for Animal Agriculture

A DECADE OF ECONOMIC IMPACT

$53.6M
Total Investment

>$960M
Immediate Economic Impact
(Based on 1:18 return to research multiplier)

2:1 **return of additional grant dollars for every $1 invested in projects**

NOTABLE RESEARCH

High oleic soybeans and dairy cattle

M-AAA research by Dr. Adam Lock, a professor in the Department of Animal Science, has shown that by introducing a new feed component for dairy cattle, high oleic soybeans, producers can save significantly on feed costs and improve milk production and quality. A Michigan dairy farmer, Brian Preston, said these findings provide **"once-in-a-generation"** gains for the industry.

The research found that dairy cows consuming high oleic soybeans:

- Reduced milk fat depression.
- Increased milk fat and protein.
- Improved feed efficiency.

The benefits don't stop at the dairy industry. Demand from dairy producers can provide new opportunities for growers of high oleic soybeans, who may receive price premiums of $0.50 to $1.50 per bushel.

Projected Impact

- Up to **$1.80** per cow, per day in feed savings.
- **$58 million** annually in projected savings with 20% adoption across Michigan.
- With 20% adoption, the resulting economic benefits of this one project would equate to **3X the total investment in M-AAA**.