

SAVINGS
WITH
**STAYING
POWER**



2023 AGRICULTURAL REBATES



VENTILATION & CIRCULATION

High Volume Low Speed Fans

- High Volume Low Speed Fans \$35/ft.

Must be a ceiling-mounted fan with a diameter of 10' or more. Rebate is based on fan blade diameter in feet.



MacroAir

Research has shown that a cool cow is a productive cow and that milk production increases up to two pounds per cow when they are in a comfortable environment.



Energy-efficient HVLS fans keep cows cool by moving air more efficiently through barns and open-air sheds while keeping bugs, birds and dust under control.

FOR MORE INFORMATION VISIT

ENERGY STAR®
energystar.gov

Iowa State Extension
extension.iastate.edu

BESS Labs
bess.illinois.edu

For more energy saving opportunities, contact Maquoketa Valley Electric Cooperative about available residential and commercial rebates.

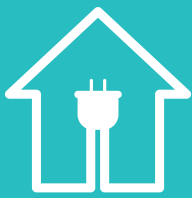
All programs subject to change at any time, without prior notice.



mvec.coop

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This institution is an equal opportunity provider and employer.



2023 MAQUOKETA VALLEY ELECTRIC COOPERATIVE REBATES

Contact the cooperative for the complete list of rebates and qualifications

LIVESTOCK EQUIPMENT

Livestock Waterers

Rebates are available for efficient waterers with tanks constructed of plastic, a minimum of 2 inches of insulation and lid covers.

Electric Heated Livestock Waterers \$50 each
($\leq 175W$ per trough opening)

Farrowing Equipment

Efficient heating pads and controllers help reduce energy use and improve animal health.

- Single Crate Heating Pads \$25/pad
($\leq 85W$)
- Double Crate Heating Pads \$50/pad
($\leq 170W$)
- Heat Lamp or Pad Controller \$50/controller



DAIRY OPERATIONS

Energy-efficient equipment and technologies can help reduce energy expenses and improve productivity.

Dairy Heat Reclaimers \$5 per milking cow
Heat reclaimers can reduce water-heating energy usage by 60% to 80% by recovering the heat discharged from dairy refrigeration equipment.

Dairy Milk Pre-Coolers \$4 per milking cow
Reducing the temperature of milk with "pre-coolers" helps reduce refrigeration energy costs by 20% to 30%.

Variable Speed Dairy Vacuum Pumps \$40/horsepower
Variable speed drives (VSDs) used with dairy vacuum systems can reduce electricity use by as much as 60%.

Dairy Scroll Compressor \$250 each
Refrigeration systems with scroll compressors are 15% to 20% more efficient than traditional reciprocating compressor systems.
(must replace reciprocating compressor)

The maximum rebate is \$2,000 for each equipment type.

Automatic (Robotic) Milking System \$2,000 each
The maximum rebate is four installed systems per calendar year.

VENTILATION & CIRCULATION

Farm animals require ventilation and air movement for comfort and productivity year-round. Rebates are available for high efficiency systems that could help save energy costs of up to 30% a year.

Ventilation and Circulation Fans

The operating costs of a ventilation system will depend on the efficiency of the equipment, configuration of the fans, proper installation and airflow control.

Ventilation Fans \$3/inch
(fan blade diameter)

Ventilation Thermostat \$25 each
Controller with Humidistat

Circulation Fans \$1/inch
(fan blade diameter)

Ventilation Fan Efficiency Requirements
(must be BESS Labs rated at 0.10 in. static pressure)

- 14-23 inch - min. 10.5 CFM/Watt
- 24-35 inch - min. 13.0 CFM/Watt
- 36-47 inch - min. 16.5 CFM/Watt
- 48-49 inch - min. 18.5 CFM/Watt
- ≥ 50 inch - min. 19.5 CFM/Watt

Circulation Fan Efficiency Requirements
(must be BESS Labs rated at thrust/kW requirements)

- 12-23 inch - min. 11.0 lbs. thrust/kW
- 24-35 inch - min. 15.0 lbs. thrust/kW
- 36-47 inch - min. 18.5 lbs. thrust/kW
- ≥ 48 inch - min. 23.0 lbs. thrust/kW

Rebates are limited to \$5,000 per account for all ventilation and circulation equipment.