



SAVINGS  
WITH  
**STAYING  
POWER**



## 2024 AGRICULTURAL REBATES

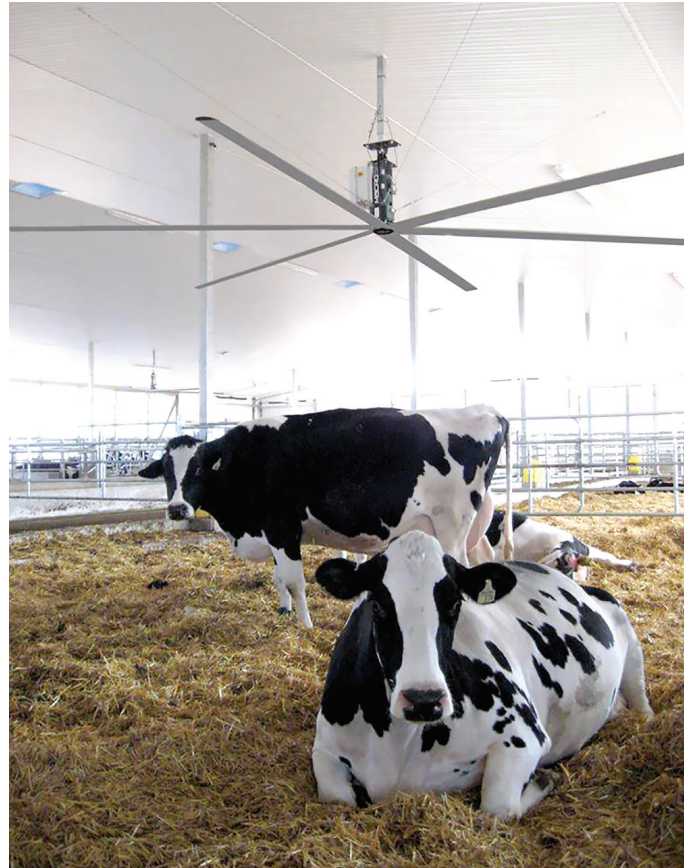


## VENTILATION & CIRCULATION

### 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](http://energystar.gov)

Iowa State Extension  
[extension.iastate.edu](http://extension.iastate.edu)

BESS Labs  
[bess.illinois.edu](http://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.

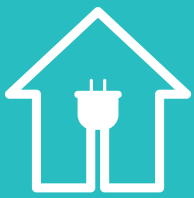


[mvec.coop](http://mvec.coop)

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# 2024 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 ( $\leq 175W$ per trough opening)	\$50 each
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### Farrowing Equipment

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

- |  |                 |
|--|-----------------|
| • Single Crate Heating Pads<br>( $\leq 85W$ )  | \$25/pad        |
| • Double Crate Heating Pads<br>( $\leq 170W$ ) | \$50/pad        |
| • 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 (fan blade diameter)	\$3/inch
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Ventilation Thermostat Controller with Humidistat	\$25 each
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Circulation Fans (fan blade diameter)	\$1/inch
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### 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
- $\geq 50$  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
- $\geq 48$  inch - min. 23.0 lbs. thrust/kW

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