



# 2024 AGRICULTURAL REBATES



**CLARKE**  
ELECTRIC COOPERATIVE, INC.

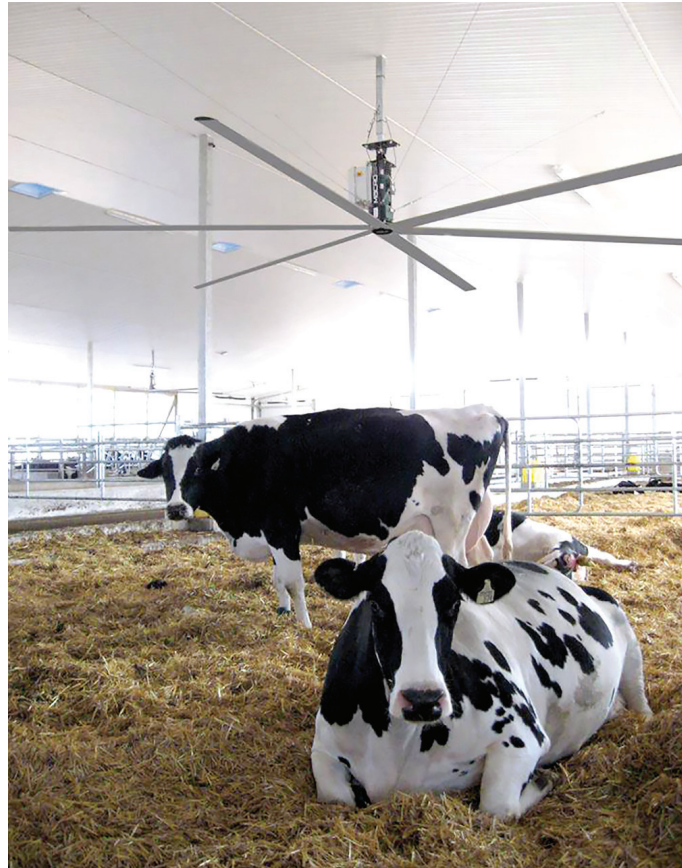
Safety Driven • Energy Smart • Community Invested

Your Touchstone Energy® Cooperative 

## 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



### 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 Clarke Electric about available residential and commercial rebates.

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



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# 2024 CLARKE ELECTRIC COOPERATIVE REBATES

Contact Clarke Electric 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  
(≤ 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  
(≤ 85W)
- Double Crate Heating Pads      \$50/pad  
(≤ 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.

## 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.

