

# Retractable roof shelters for livestock

## Open the roof when outside conditions are ideal

- Animals are now exposed to outdoor conditions.
- UV, and infra red radiation warms up animals and dries off the floor.
- Decreased levels of disease agents due to reduced moisture, increase in UV radiation, and wind.

## Close the roof in adverse outdoor conditions

- Animals are protected from excessive cold, wind, rain or snow.
- Livestock is still exposed to natural daylight since the roof covering transmits light.
- Heat is naturally generated using a clear roof covering.

## Close the roof 85% if outdoor conditions are too warm

- Animals are cooler - the roof reduces the radiant heat in sunlight.
- The combination of retracted walls and a 15% opening in the roof creates an environment more comfortable inside than outside.

*Impact on your animals simply by opening and closing the barn roof*

### Benefits to the livestock

- Improved health of livestock.
- Manure dries out faster and urine evaporates quicker.

### Benefits to the employees

- Quieter work environment - no exhaust fan.
- Comfortable working environment.

### Consumer and marketing benefits

- Promote animals being kept in a more natural, humane environment...  
"The best of nature, outside while still being protected."
- Responsible corporate citizenship.

### Install additional curtain system for added benefits

- Help create an even cooler environment in the summer for animals and employees.
- Create short days if required.
- Reduce winter heating costs.

### Payback to the owners

- Reduced electrical costs - fans not required for ventilation and lights not necessary during the day.
- Happier employees - better working environment.
- Standardized production system - the same barn functions in cold, warm or hot climates and will work for all livestock and animal types.
- Barn is fully operational 12 months a year.
- Improved revenues by preventing environmental stress.
- Build and utilize larger barns with no concern for size limitation of fan ventilation systems.

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for people, plants & animals™*

