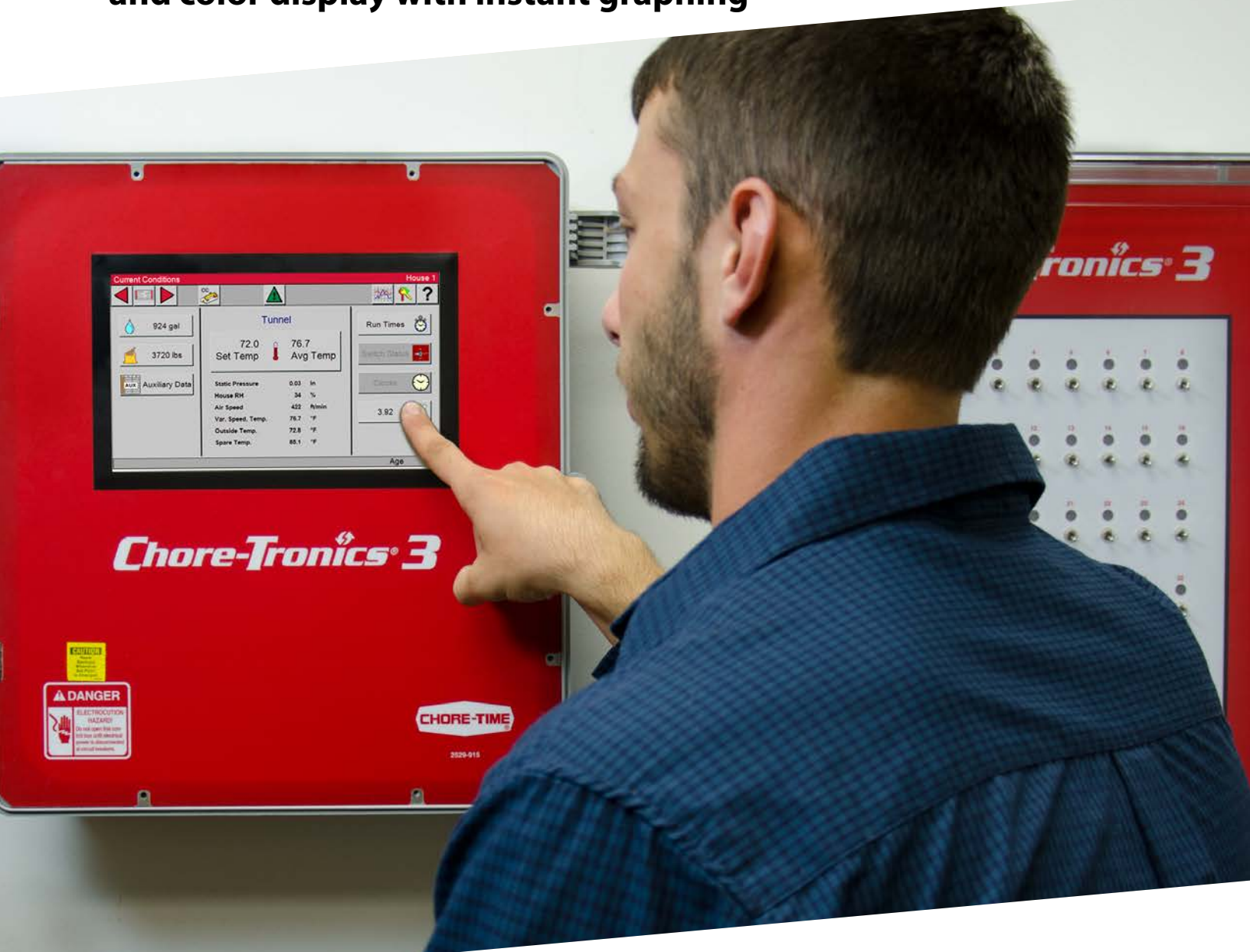# CHORE-TRONICS® 3 Whole House Controller

Featuring easy-to-navigate touch screen and color display with instant graphing

CHORE-TIME®

Let's grow together.

Chore-Time's Controls and Software Provide Better and More Convenient House Management Tools

Dependable hardware technology and software algorithms

- CHORE-TRONICS® 3 Controls offer color and convenience with large touch screen navigation.

- Graphing capabilities open a colorful new world of data presentation.

- Expandable to easily add future functionality.

CHORE-TRONICS® 3 Controls

Keep your eyes on the screen, and let your fingers do the driving!

Back up settings and easily transfer settings between identical controls with a USB set-up key.

- Vivid color in a huge, finger-friendly 10-inch (25 cm) display

- Intuitive touch screen navigation

- USB mouse navigation option

- Robust, expandable platform

- Designed to easily add future functionality

In addition to all the great features you have enjoyed in Chore-Tronics® 2 Controls, the Generation 3 Controls now also include:

- Fully integrated ceiling inlet control

- Fully integrated bird scale control

- Up to 16 controlling sensors

- Improved graphing capabilities

- External USB port for data collection and transfer or for mouse operation

- And much more to come!

Get a Wealth of Critical Information from the Current Conditions Screen

- Set, average and variable-speed temperatures

- Current ventilation mode

- Today's water consumed

- Today's feed consumed

- Static pressure

- Relative humidity
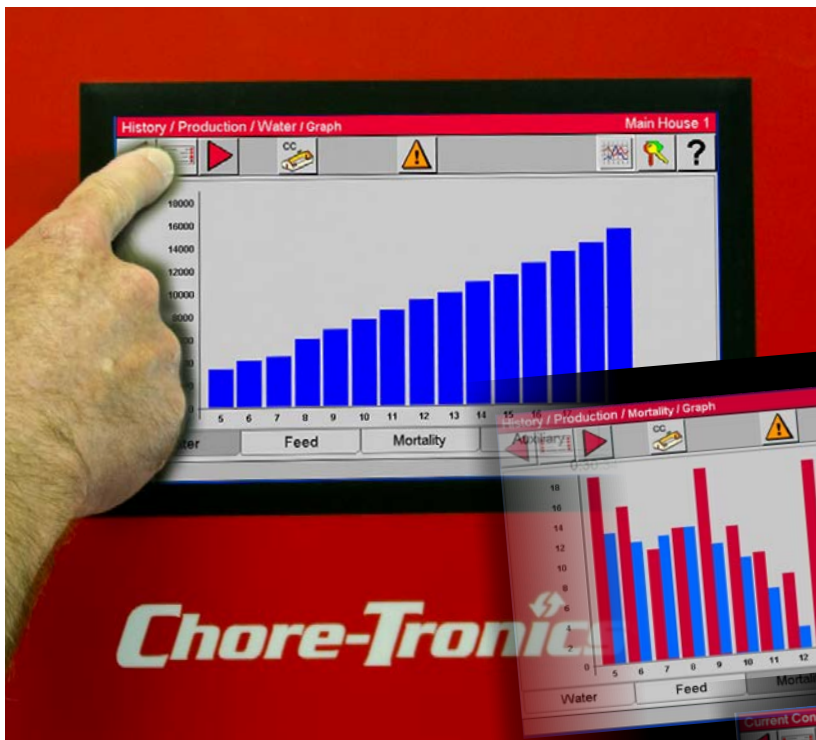
- Air speed

- Current bird weight

- Outside temperature
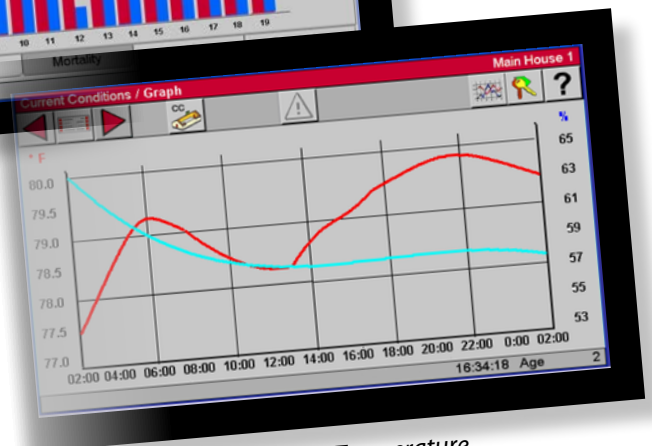

Mouse option available

See ...

Touch ...

Control!

Example of a Water Consumption Graph

Example of a Mortality Graph

Example of a Temperature and Relative Humidity Graph

On-Screen Graphing Capabilities Open a Colorful New World of Data Presentation

- Graph temperature, relative humidity, mortality, water consumption and a wide variety of other data.

- Up to 14 days of history data on numerous topics can be displayed graphically or in table form.

- Use colorful graphs to assist in review of various clock and curve settings.

- Basic graphical information can be displayed on screen, or use C-Central™ Professional Software for enhanced graphing and data analysis.

Chore-Tronics® 3

Large CHORE-TRONICS® Relay Box

- The large CHORE-TRONICS® Relay Box saves wall space by including 56 relays in a single box.

- The large interior allows more room for routing wires.

- Each relay bank includes two strips of four contacts for simple, economical replaceability.

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3

CHORE-TRONICS® 3 Whole House Controls Features and Functions

Easily add new features via USB upload to meet your growing operation and monitoring needs.

CHORE-TIME®

Let's grow together.

Management Tools
- Up to six user-defined programs, all managed with a *single* USB set-up key
- Feeder line run time
- Mortality data
- Bird weighing
- Water and feed relationships
- Feed conversion estimates
- View current mode of operation as well as transitions
- Wide range of history subjects with graphing
- User-defined programs
- Configure to show today's water and feed with graphs
- Identify potential house environment problems early
- Quickly measure the impact of operational changes

Convenience Features
- Large, easy-to-read text
- External contrast control
- Easy data entry
- External USB port
- Larger screen; less scrolling
- Quick screen access and set up
- Intuitive touch screen navigation
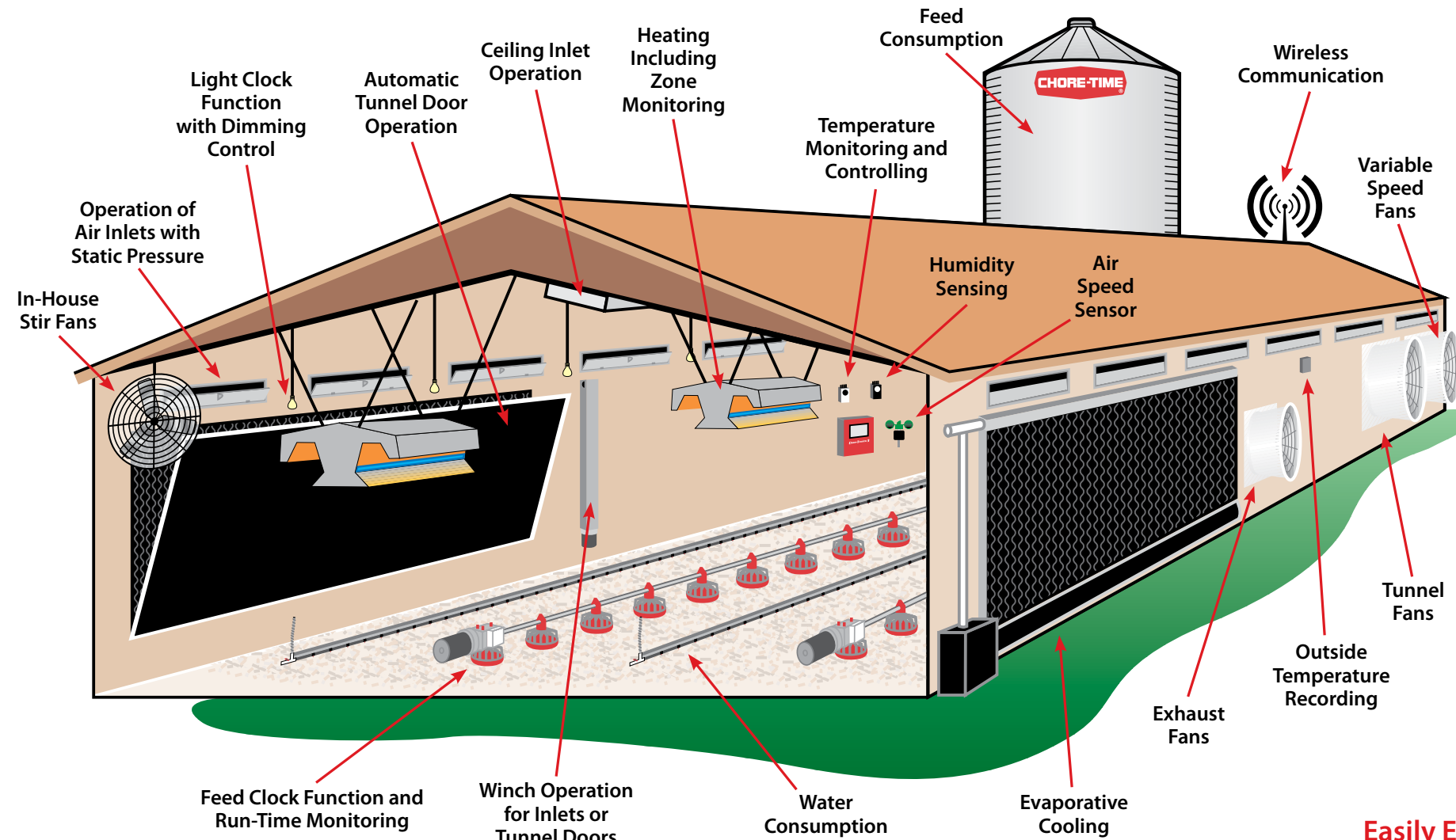- Nameable outputs

Additional Features
- External USB port for use with set-up key or mouse
- Wireless Ethernet communications
- Numerous auxiliary digital inputs
- Light clocks and spare clocks

Feeding
- Feed scale
- Maximum feed run-time alarm
- Feed clock
- Run-time monitoring

Watering
- Water meters
- Low water pressure alarm
- PDS™ Control flush recognition
- Maximum and minimum water flow-rate alarms

Integrated Peripherals
- Static pressure sensor included
- Built-in communication
- Dedicated output for light dimmer control
- Dedicated output for back-up box
- Eight spare clocks for output assignment

Ventilation
- Variable speed fan control
- Ventilation timer ramping
- Power and tunnel control
- Ceiling inlet control
- Static pressure control
- 16 house temperature sensors
- Outside temperature sensor
- Relative humidity sensor
- Air speed sensor
- Inlet anticipation
- Heater and fan run times
- Cool pad optimizing option
- Stir fan operation

Easily Expandable
- Choose 32, 40 or 56 outputs – add more, up to 80
- Includes 28 inputs – add up to 28 more
- Up to 10 optional controlling temperature sensors may be added for a maximum of 16
- Expandable to easily add future functionality

Diagram labels:
- Light Clock Function with Dimming Control
- Automatic Tunnel Door Operation
- Ceiling Inlet Operation
- Heating Including Zone Monitoring
- Feed Consumption
- Wireless Communication
- Operation of Air Inlets with Static Pressure
- Temperature Monitoring and Controlling
- Variable Speed Fans
- In-House Stir Fans
- Humidity Sensing
- Air Speed Sensor
- Tunnel Fans
- Feed Clock Function and Run-Time Monitoring
- Winch Operation for Inlets or Tunnel Doors
- Water Consumption
- Evaporative Cooling
- Exhaust Fans
- Outside Temperature Recording

Chore-Tronics® 3

CHORE-TRONICS-Compatible Management Tools

Fully Integrated Bird Scale

Now Built-In to the Chore-Tronics® 3 Control – No Separate Scale Controller Needed!

Chore-Time's Bird Scale provides an affordable and accurate diagnostic tool that can help you optimize your production operation and better plan your bird harvest date.

- Simplifies growth and uniformity tracking based on user-defined standards.
- Birds move across the scale on their own, reducing labor for weighing and sampling.
- Scale features durable, corrosion-resistant steel construction.
- Dependable hardware technology and software algorithms.
- Automatic system reduces biosecurity risk of manual weighing.

Dependable ceiling mount contributes to greater accuracy and longer working life. It also simplifies adjustment of the platform height.

Manage and Monitor Tunnel Fan Operation with Chore-Time's Air Speed Meter

Chore-Time's Air Speed Meter helps verify tunnel fan performance by dependably measuring air flow over 125 feet per minute (0.635 m/s). Unit is easy to install and low maintenance.

Wireless Communication

- Use Chore-Time's wireless system to create your own wireless on-farm Ethernet network.
- CHORE-TRONICS® 3 Controls' internal Ethernet connection permits direct connectivity to wireless devices and to C-Central™ Software for monitoring and control.
- Allows connection to the network of optional devices that use Ethernet to communicate (such as a camera or router).
- Eliminate expensive house-to-house hard wiring of devices.
- Reduce susceptibility to lightning and other power surges.

Going Wireless

- Conduct a site survey to determine the type and quantity of radios and antennas needed.
- Determine what optional equipment is desired (network camera, wireless router).
- Order needed equipment and install.

Programmable Back-Up (PBU) Box Follows House Temperature Curve

Eliminate frequent resetting of thermostats with Chore-Time's Programmable Back-Up Box.

- Input the house temperature curve, and Chore-Time's PBU will adjust the back-up cooling and heating outputs automatically.
- The PBU replaces a thermostat to drive existing back-up boxes and to maintain relay redundancy.
- Adds a layer of safety for operation of house ventilation and heating in the event of a failure or operator error from the main house controller.

CHORE-TIME® Feed Scale

Helps with feed scheduling and measuring bird performance based on eating rates and habits.

- Accurate daily consumption rates help in evaluating growth performance and in identifying potential problems.
- Unique pivoting, split hopper dumps feed from one side while the other side is filling for a continuous flow of feed.
- Unit registers exactly what is being fed rather than relying on problematic volumetric projections or imprecise auger timing.
- Each CHORE-TRONICS® Control can monitor multiple scales per house.

Feed Inventory System

Chore-Time's Stand-Alone Feed Inventory System provides an economical means for managing and monitoring feed stored in feed bins on the farm. Producers easily check feed bin weights by using a read-out screen.

The feed inventory system also can be connected with Chore-Time's popular C-CENTRAL™ Software to provide remote location and multiple house monitoring.

Monitoring Sensors Offer Management Capabilities Through Your CHORE-TRONICS® 3 Control

CHORE-TRONICS® Feeder Line Run-Time Monitor

- Can be connected to every feeder line in a poultry house to track daily run time per line and to build a database of information for diagnosing and solving feed distribution problems.
- Use a CHORE-TRONICS® Control with up to 12 run-time monitors to track feeder line operation directly on the Control or remotely using C-CENTRAL™ Software.

CHORE-TIME® Water Meter

- Accurate daily consumption rates help in evaluating growth performance and in identifying potential problems.
- Keep track of total water consumption as well as incremental consumption throughout the day.
- Use multiple water meters to track water consumption in various areas in the house and/or to track evaporative cooling system water use.

CHORE-TIME® Humidity Sensor

- Accurately shows current relative humidity as well as minimum and maximum values.
- Helps to keep house conditions at optimum humidity level.
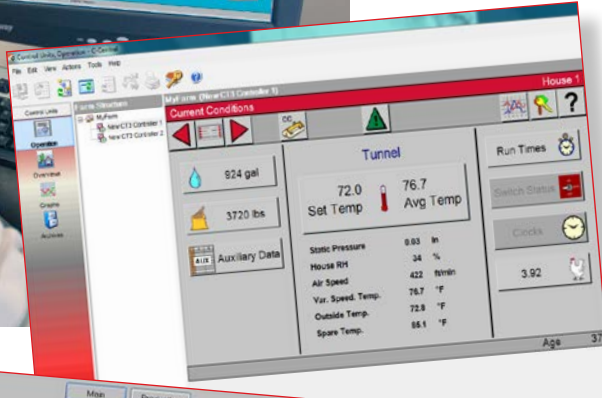- Coordinates evaporative cooling function with house humidity.

CHORE-TRONICS®
C-CENTRAL™ Professional
Management Software

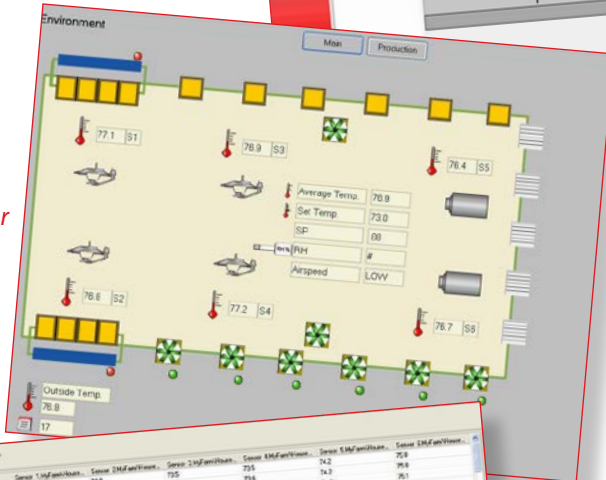Compatible with all generations of Chore-Time's CHORE-TRONICS® Controls, our C-CENTRAL™ Software gives you precise, flexible in-house control, monitoring, analysis and the data you need to make operational improvements.

Control

Monitor

Analyze and Improve

- Monitor, adjust and retrieve data from dozens of controls – on the farm or off site – using your PC or a mobile device.*

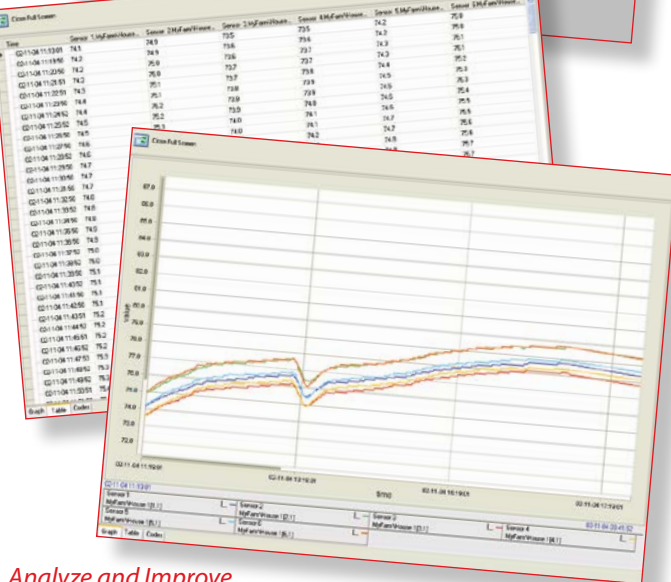- Page and table templates help display user-selected information quickly.

- Critical data can be presented on-screen or printed in table or graph form.

- View vital statistics of one room, one house or the entire farm – at a glance.

- Archive data for future review and comparison.

- Retrieve data when and where it is most convenient.*

- Access critical data easily for better decision-making.

- Use data to fine-tune house conditions and to find and resolve problems.

- Personalize with user-defined fields and virtual "plus" keys for convenient customization, including accurate calculation of house operating costs.

- Data is exportable to common spreadsheet programs.

- Choose English, Spanish or Japanese at time of installation. Software includes all three.

- Uses familiar Windows®-based operating system.

* Remote monitoring and control with C-CENTRAL™ Software may require additional hardware or software (not included).

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