

# What You **Need** **To Know** About Egg Incubation – **5** Factors for **Success**



Five major factors are involved in the incubation and hatching of game bird and chicken eggs. They are temperature, humidity, ventilation, egg turning, and sanitation.

**Temperature** – Ideal operating temperature is 99° – 100°F. Use of a fan kit helps to maintain constant temperature.

**Humidity** – Ideal humidity during incubation is 57 – 60%, increasing to 65% during last 3 days before hatching.

**Ventilation and Air Circulation** – Fresh air is needed for developing embryos. Open vent plugs and use fan kit for best results.

**Egg Turning** – Safely and consistently turning the eggs causes the yolk to be repositioned away from the shell, making it safe for developing embryos. Use of an Automatic Egg Turner simplifies the process.

**Sanitation** – Always sanitize the incubation equipment both before and after hatch. Keep your hands fully sanitized when handling eggs.

## **Other Helpful Hints for a Successful Hatch**

- Place incubator in room with stable temperature and plenty of fresh air – basement is perfect.
- Use Circulating Air Fan Kit in rooms with wider temperature variations
- Always sanitize the eggs, your hands, and the incubation equipment prior to use
- Egg capacity will affect the ventilation in the incubator – do not overload
- After hatching, remove both red ventilation plugs to help dry chicks
- Do not open the incubator the first day after the eggs have been set in place
- Eggs should be turned at least three times per day at the same time
- Stop turning the eggs 3 days before incubation period ends as the chicks are in position for hatching
- Use Egg Candler (Model 3300) to monitor development

\*Numerous factors can lead to a successful or unsuccessful hatch. Farm Innovators, Inc. implies no warranty whatsoever to any factors relating to the successful hatching of any eggs.



# Egg Incubator Buying Guide

Features/Benefits	<b>Good Value</b>	<b>Better Value</b>	<b>Best Value</b>
	Models 2100/2150 Still Air Incubator	Model 2250 Circulated Air Incubator	Models 2450/4250 Deluxe & Pro Series Incubators
Thermostatically controlled heater to automatically regulate the temperature	✓	✓	✓
Built-In Hygrometer to show temperature and humidity	✓	✓	✓
Large viewing windows for easy observation	✓	✓	✓
L.E.D. light to show when heater is on	✓	✓	✓
Styrofoam construction for insulation	✓	✓	✓
Digital display shows temperature and humidity		✓	✓
Days to hatch countdown		✓	✓
Forced Air Fan to circulate fresh air and improve temperature stability		✓	✓
Deep bottom tray to accomodate large eggs		✓	✓
Automatic Egg Turner to eliminate manual handling, improve hatch, and simplify process			✓
Plastic outer shell to protect the styrofoam and provide durability (Model 4250 only)			✓

## Optional Accessories for Incubators



### Automatic Egg Turner (Model 3200)

Automatically turns the eggs completely every 4 hours to eliminate manual handling and improve hatch rate. For use with Incubator Models 2100 and 2200.



### Forced Air Fan Kits (Models 3100 and 3150)

Improves hatch rate by circulating a constant flow of warm air throughout the incubator. Installs easily on the Model 2100 or 2150 Still Air Incubators to convert them to a Circulated Air Incubator. Best for use in environments with wide temperature variations.



### Egg Candler (Model 3300)

Used to check the development progress of the eggs. Helps to identify infertile or “dead in shell” eggs for removal. Allows you to see the live embryo inside the egg as it develops.



### Quail Rails (Model 3400)

Replaces the standard rails on the Model 3200 Automatic Egg Turner. Designed for quail and other small eggs. Holds up to 120 eggs.



### Thermometer (Model 3600)

Replacement thermometer provides temperature readings in fahrenheit and celsius.

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2255 Walter Glaub Dr.  
Plymouth, IN. 46563  
800-277-8401