

The Poultry Post

A P R I L 2 0 0 8

POULTRY INCINERATORS

IMPROVED DESIGNS:

- Natural or propane fuel
- Re-adjustable gas burners
- 60 minute inter-matic timer
- Requires smaller spaces
- Inside or outside installation
- 3" of 3000 degrees refractory lining (improved insulation inside)

The Benefits of Incinerators

Considered the most biologically safe method of dead bird disposal, incineration is becoming more popular in the poultry industry. There is no threat to water quality, and disease. Newer incinerators now come with double burners that have been approved by EPA for safe air exhaust. Also with incinerators, odor and flies are not a factor in your dead bird disposal.

Incinerator's popularity is being promoted by the new renovations in the amount of fuel required to run them. They now use less fuel per burn and are better insulated inside to hold the temperatures for a longer period of time. The average fuel used per 100 lb. burn in a new incinerator is 2.75 gallons Lp/ natural gas.

Assuming an average of 3000 lbs of mortality per flock, (25,000 bird house) with propane at \$1.99, a grower's cost for dead bird disposal would be \$164.10.





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Key Points to Remember

- When selecting a unit, look for a timer mechanism to reduce management time
- Chose a location for the incinerator that is typically downwind from nearby residences
 - Have a separate mortality management plan in case of a catastrophic loss

Table 1

Efficiency of the Different Designs of Incinerators

	Newer Design Incinerator	Older Design Incinerator
<u>Species</u>	<u>Pounds of Carcass/Gallon Propane</u>	<u>Pounds of Carcass/Gallon Propane</u>
3 week old broiler	15.4	9.9
7 week old broiler	25.1	N/A
Broiler Breeder	28.0	N/A
Commercial Layer	31.1	11.1
Turkey	27.7	N/A

Table 1 provided by Shenandoah equipment/shows efficiency of newer models

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