**Light Duty Poultry Enclosure**

**OVERALL DIMENSIONS:** 5' w x 2' h x 10' d

**DOOR DIMENSIONS:** 5' w x 3' h

**Materials Usage:**

- **MAIN FRAMEWORK:** 1" x 3" cedar
- **UPRIGHTS:** 2" x 2" cedar
- **STRUCTURAL BRACING:** 1" x 3" cedar
- **DOOR FRAMING:** 1" x 2" cedar
- **GUSSETS:** ½" plywood, 7–8" triangular
- **SHEATHING:** 1" chicken wire
  ¾" corrugated galvanized panel
- **HANDLES:** ¼", ½" nylon rope
  ½" i.d., ¾" o.d. PVC
- **FEED TROUGHS:** 4" PVC gutter with end caps
  ½" chain
  baling wire
- **WATERING SYSTEM:** 4 gallon plastic pail
  ½" PVC irrigation pipe + fittings
  Little Giant poultry fountain
- **HARDWARE:** Wire staples
  Plastic cable ties
  1 ½" galvanized wood screws
  1 ½" galvanized hinge

**Design Notes:**

The relatively light weight of cedar may lead to periodic loosening of fasteners but is offset by the reduction of weight in the cage.

Door frames are full width of structure. Galvanized roof panels should also run full width of enclosure to properly shed precipitation away from birds.

Structural bracing also serves as a mounting point for door hinges and should be placed accordingly.

Additional bracing may be added to support weight of water buckets, if desired.
Heavy Duty Poultry Enclosure

OVERALL DIMENSIONS: 5’ w × 2’ h × 10’ d

DOOR DIMENSIONS: 5’ w × 3’ h

Materials Usage

MAIN FRAMEWORK: 1” × 4” pine (1” × 3” may be substituted)

UPRIGHTS: 1” × 4” pine

DIAGONAL BRACING: 1” × 2” pine

DOOR FRAMING: 1” × 2” pine

SHEATHING: 1” chicken wire

4’ rib corrugated steel (white)

HANDLES: ¼”, ½” nylon rope

½” i.d., ¾” o.d. PVC

FEED TROUGHS: 4” PVC gutter with end caps

½” chain

baling wire

WATERING SYSTEM: 4 gallon plastic pail

½” PVC irrigation pipe + fittings

Little Giant poultry fountain

HARDWARE: Wire staples

Plastic cable ties

1 ½” galvanized wood screws

1 ½” galvanized hinge

Design Notes:

Door frames are inset within upper frame. Galvanized panels should run full width of enclosure to properly shed precipitation away from birds.

Corrugated side panels are removable for additional ventilation during warm weather.

Structural bracing also serves as mounting point for door hinges and should be placed accordingly.

Additional bracing may be added to support weight of water buckets, if desired.
Enclosure Transport System
We have found that a large hand truck with pneumatic tires works well for moving the enclosures in the field. A plywood wedge (~33.5°) is placed between the truck and the enclosure to provide stability during movement. The opposite end will then be lifted using the enclosure’s handles and wheeled to its new location.

We thank you for your interest in constructing your own pastured poultry enclosure. Please visit the following web pages for more on our pastured poultry enclosure designs, as well as information about other research programs being conducted by the Organic Farming Systems and Nutrient Management program at WSU Puyallup.

SOIL MANAGEMENT WEB PAGE
http://www.puyallup.wsu.edu/soilmgmt/

PASTURED POULTRY WEB PAGE
http://www.puyallup.wsu.edu/soilmgmt/SusAg_PasturedPoultry.htm

FERTILIZING WITH MANURE EXTENSION BULLETIN
http://www.puyallup.wsu.edu/soilmgmt/Manure.htm

SOIL MANAGEMENT FOR SMALL FARMS
http://cru.cahe.wsu.edu/CEPublications/eb1895/eb1895.pdf

If you have additional questions regarding the construction or use of these enclosures, please contact:

Andy Bary
Senior Scientific Assistant
Department of Crop and Soil Sciences
Washington State University
Puyallup Research and Extension Center
2606 West Pioneer
Puyallup, WA 98371-4998
253-445-4588
253-445-4569 Fax
bary@wsu.edu

Washington State University does not discriminate on the basis of race, ethnicity, color, creed, religion, national origin, gender, sexual orientation, age, marital status, the presence of any sensory, mental or physical disability, use of a trained guide dog or service animal by a disabled person, specially disabled veteran, veteran of the Vietnam era, recently separated veteran, and other protected veteran status in its administration of educational policies, programs or activities, or other University administered programs or employment.