Uniformity of Female Broiler Breeders

UNIFORMITY = BETTER PERFORMANCE

CV ≤ 8%

- Uniform Flock
- Uniform Eggs
- Uniform Chicks

CV > 8%

- Less Uniform Flock
- Less Uniform Eggs
- Less Uniform Chicks

Uniformity of Chick Start

Uniform Environment with Easy Access to Feed and Water

Air Temperature
30˚C / 86˚F

Light Intensity
80-100 lux / 8-10 fc

RH 60-70%

Floor Temperature
28-30˚C
82-86˚F

Brooding Requirements (per 1000 chicks)		
Brooding Area Paper Cover	Whole-house	100%
	Spot	90%
Feeder and Drinker Requirements	Feeder trays	12
	Bell drinkers	8
	Mini-drinkers	12
	Birds per nipple	8-12

Brooding Area Size = 25 m^2 (269 ft^2)
Number of Chicks = 40 / m^2 (4 / ft^2)

Monitor Chicks and Behavior

Crop Fill
2 hrs = 75%
8 hrs = >80%
12 hrs = >85%
24 hrs = >95%
48 hrs = 100%

Vent Temp
39.4-40.5°C
103-105°F

Good Bird Distribution

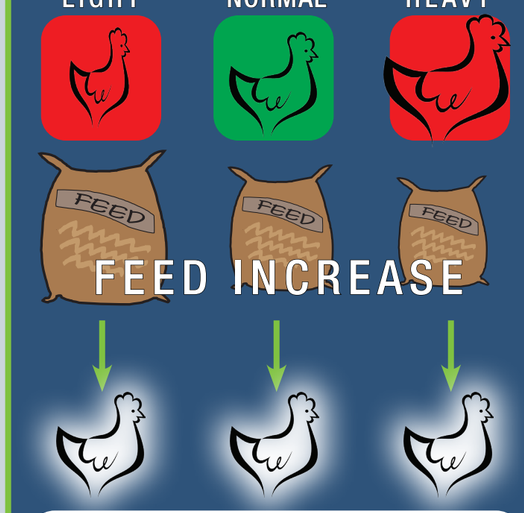
Uniformity of Body Weight - Grading

Flock Between 28-35 days

↓

Weighing and CV%

LIGHT | NORMAL | HEAVY



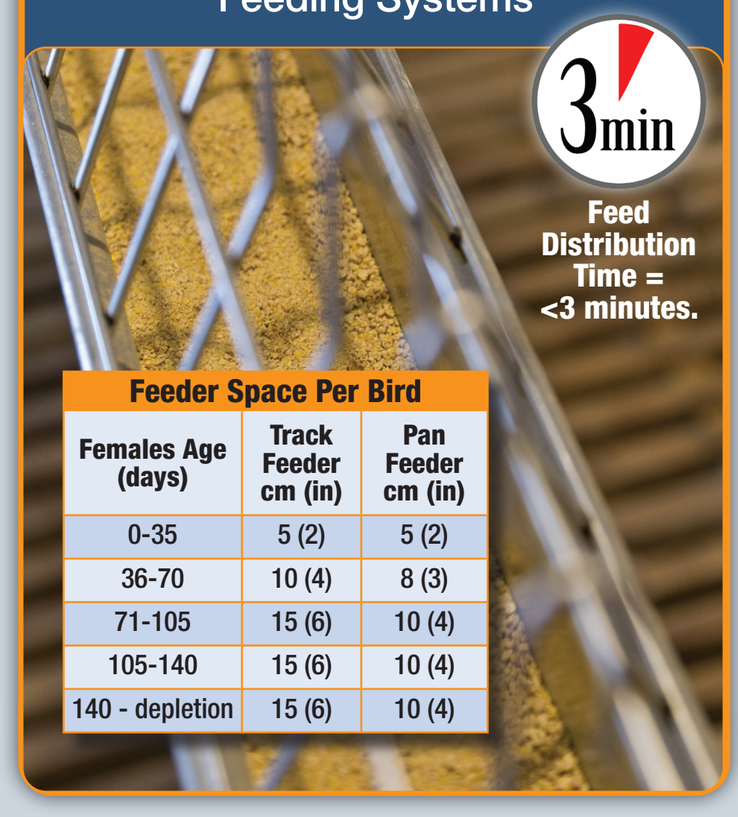
Uniform Flock at Point of Lay

Key Points of Grading

- CV 8-10% = 2-way grade.
- CV >10% = 3-way grade.
- Manage feed amount to achieve target body weight. NEVER REDUCE ENERGY INTAKE.
- Ensure correct stocking density, feeder and drinker space.

Uniformity of Feed Intake

Feeding Systems



Feed Distribution Time = <3 minutes.

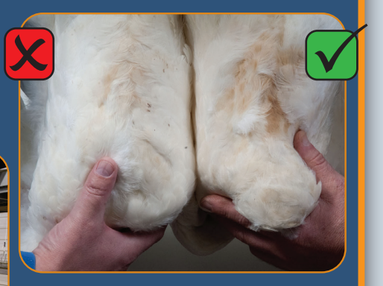
Feeder Space Per Bird		
Females Age (days)	Track Feeder cm (in)	Pan Feeder cm (in)
0-35	5 (2)	5 (2)
36-70	10 (4)	8 (3)
71-105	15 (6)	10 (4)
105-140	15 (6)	10 (4)
140 - depletion	15 (6)	10 (4)

Monitor Feeding Behavior

Leave approximately 1 m (3.3 ft) between feeder lines.

Monitor Crop Fill After Transfer

- Manage feeding before and after transfer carefully to avoid loss of uniformity.
- Observe bird behavior.
- Check crop fill (50 males and 50 females):
  - ✓ 30 minutes after first feed
  - ✓ 24 hours after transfer



For more specific information on uniformity, please see the Parent Stock Management Handbook.

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