

Poultry Business



Chicken



What is your
favorite way
to eat
chicken?



Georgia is the Poultry Capital of the World!

\$292 Million Industry

On an average day, Georgia produces 29 million pounds of chicken, 6.3 million table eggs, and 5.5 million hatching eggs





If Georgia was a country, it would be ranked seventh in the world in poultry production.

Young Entrepreneur Builds Successful Business With Eggs

- 4-H'er starts his own Chicken Business: Patrick's Farm Fresh Eggs in Carrollton, Georgia

<https://www.youtube.com/watch?v=8mw8Zxd10Ko>



What does poultry mean?

Broilers

- Birds we eat

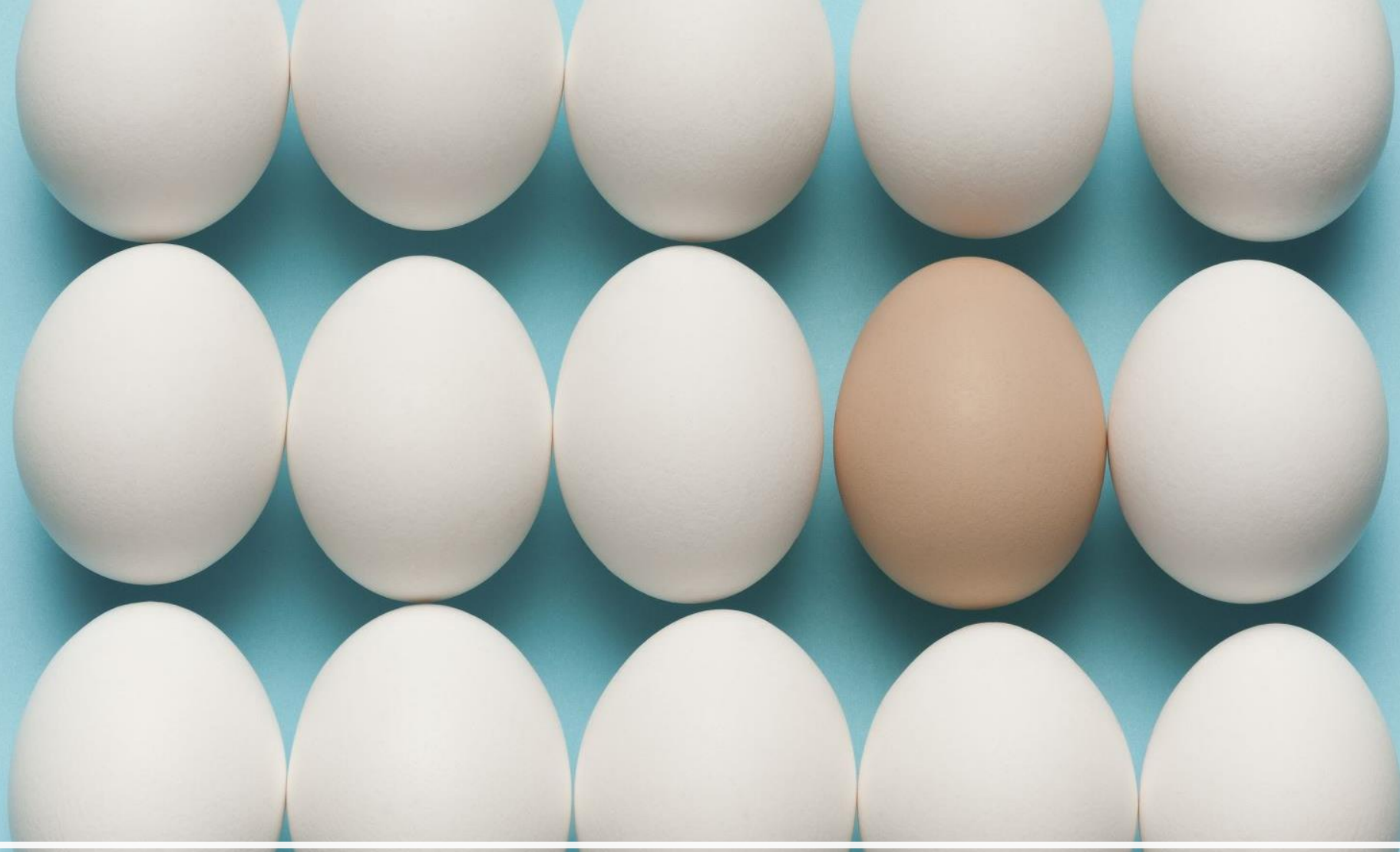
Broiler Breeders

- Parents of birds we eat

Layers

- Eggs we eat





Breeder Flock



Breeder Flock

- Breeders are the parents of the eggs that hatch into the birds that chicken meat comes from
- In Georgia there are over 13 million breeder chickens
- A breeder hen will lay about 160 eggs in *her* lifetime
- In just one breeder house there can be 9,000 hens and 900 roosters
- Breeder birds are only kept in production for about 1 year



Hatchery

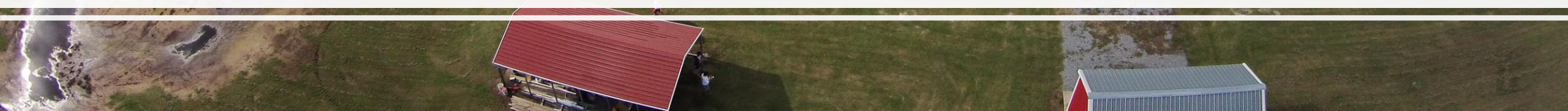


Hatchery

- When it's time to start incubation, the eggs are moved from refrigerated holding rooms to the setters.
- The eggs are rotated 90 degrees each hour. In nature, the hen rotates her eggs about 96 times each day.
- The eggs are held at 101 degrees F.
- After 18 days, the eggs are transferred to a hatcher.
- On the way, they are vaccinated against diseases.
- The eggs are placed in trays and moved to the hatcher. In three days, chicks will hatch!
- An automatic boxing operation places 100 chicks to a box for transportation to a broiler or grow-out farm.



Grow Out Farms



Grow Out Farms

- The average grower will produce around 2.6 million pounds of chicken meat each year
- A typical grow-out house is 540x40 feet and will hold 25-30K birds
- Chicks arrive at the farm when they are one day old
- At 8 days old the chicks start forming feathers
- At 3 weeks the birds are fully feathered with a comb and wattle forming
- At 6-8 weeks the birds will reach an average of 5 pounds and will be caught and put into cages for transportation to a processing plant





**Processing
Plant**

Processing Plant

- In Hall County, they process approximately 13,000 chickens an hour, 16 hours per day at each **Processing Plant**



THE STORY OF RENDERING

1 ANIMAL LEFTOVERS & OILS COLLECTED FROM

MEATS

MEAT LOCKERS, PACKING PLANTS & BUTCHER SHOPS

Ex: scraps, bones, fat, blood, feathers



GROCERY STORES

Ex: scraps, expired rotisserie chickens, meats



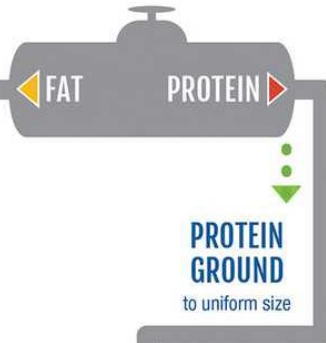
RESTAURANTS

2 RENDERING PROCESS

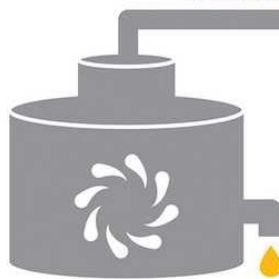
GROUND
to a uniform size



COOKED
to separate fat & protein
& to kill bacteria



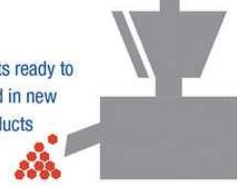
FAT PURIFIED
by centrifuge



FINISHED PRODUCTS

PROTEIN GROUND
to uniform size

Ingredients ready to be used in new products



FINISHED PRODUCTS

3 RENDERED INGREDIENTS ARE USED TO PRODUCE:

BIOFUEL/GREEN ENERGY



PET FOOD



LIVESTOCK FEED



AQUACULTURE FEED



FERTILIZER



PERSONAL CARE ITEMS



cosmetics, soap, perfumes, shaving cream, deodorant



INDUSTRIAL USES

Rendering



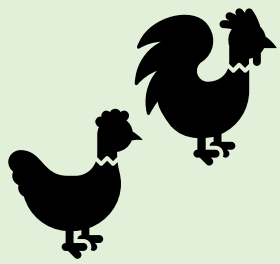
Feed Mills



Feed Mills

- Feed ingredients are delivered to the mills by railroad cars.
- Feed mills make all kinds of feed and can make special feed mixes depending on the types of animals that are being raised
- Corn and soybeans are the two main ingredients of poultry food.
- Other ingredients are poultry meal, bakery meal, distilled grains and canola
- Feed mills sell their feed to the farmers who raise chickens and the cycle starts all over!





BREEDER FLOCK
730,000 bird inventory

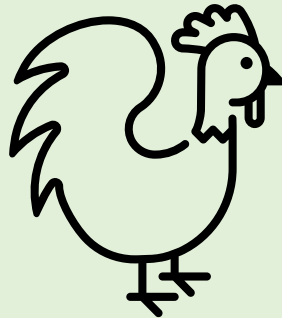
EGGS

HATCHERY
1,560,000 EGGS

Chicks



FEEDMILL
5,000 Tons of feed produced



FEED



GROWOUT
240 Contract Growers
9 million bird inventory



220 Tons
Poultry Meal

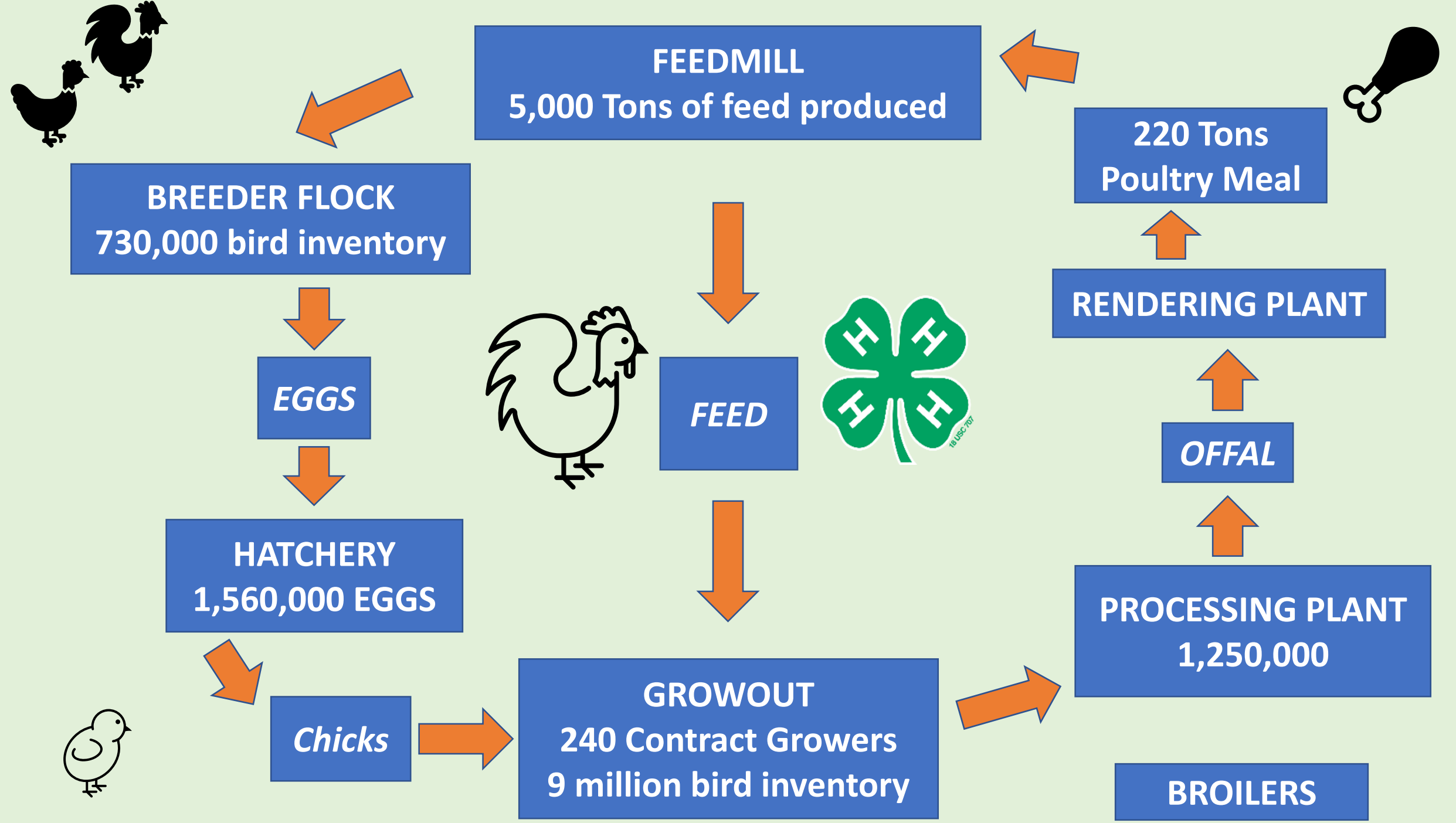


RENDERING PLANT

OFFAL

PROCESSING PLANT
1,250,000

BROILERS





Did you know that it is illegal in the City of Gainesville to eat fried chicken with anything other than your fingers?