

PIGS/TURKEYS/CHICKENS

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1940's

- Poultry – light control permits year-round production. Commercial incubation begins. Chickens start moving inside; turkeys/hogs stay mostly on range.
- National Poultry Improvement Plan begins for control of 2 species of salmonellae and mycoplasmas in breeders
- Pigs on pasture – H1N1 common

1950's

- Poultry and swine – centralized feed milling and processing begin to take hold.
- Chicken – post WWII expansion continues explosively “chicken in every pot”

1960's

- Chickens – Vertical integration solidifies, virtually complete hatchery thru processing. Beginnings of genetic selection for meat. Raised inside. Table-egg layers go to cages – GI diseases disappear.
- Turkeys – Artificial insemination adopted. Primary genetics base collapses from 25+ companies to one – influence of PPIA. Few buildings built.

1960's

- Hogs – Substantial progress on hog cholera through USDA programs
- Early attempts to move hogs inside
- Feeder pig markets expand – finishing farm concept develops.

1970's

- Chickens – Vertical integration virtually complete. Contracting. We love vaccines! Mass administration techniques developed. Immunosuppressive disease identified. Big genetic improvements
- Turkeys – First attempts to integrate, contract, raise inside. Vaccines? Damage from genetics. Sex separate rearing.
- Poultry – begin to take advantage of single-age breeders/egg sanitation – breeder vaccination programs for parental immunity. Rapid improvement in nutrition/coccidiosis control. Staff vets hired/specialized training begins.

1970's

- Hogs – Feed conversion? Residues?
- Hog cholera virtually eliminated – what next?
- Pseudorabies – vertical/horizontal spread.....
- Explosive growth in feeder pig markets/sow management/some raised indoors
- Genetics begins to move beyond “I like red pigs”
- Swine Flu? Not many pigs around Ft. Dix, but it's H1N1...

1980's

- Poultry - Modern production accounting. Serological monitoring adopted. 1983 H5N2 disaster – first HPAI outbreak since 1929. Biosecurity? Salmonella! Food safety.
- Chickens –. Breeder/hatchery specialization. Broilers and breeders are single-age. SE!

1980's

- Turkeys – Inside or outside? Contracting. Nutrition/genetics improve. Consolidation begins. We love vaccines! Diagnostics improve. Breeders are single-age – meat birds are multiple-age. Turkey companies get into hogs.
- Hogs – Pseudorabies – biosecurity? Isolation concepts and recognition of reproductive/immunosuppressive diseases. Integration begins – nutrition/staff vets/multiple-site concept. Housing design/waste management improve. Major genetic changes - We want lean pigs!

1980's

- Influenza – H1N1 vaccine for turkey breeders near hogs.
- Influenza in pigs – Still H1N1 – endemic, of little consequence – been that way since 1918....

1990's

- Chickens – consolidation begins. Food service, RTE, exports. Tunnel ventilation/mechanization. Turn-key complexes. Food safety/PR drive disease control. Consumption explodes.
- Turkeys – genetic/housing improvements. Meat birds – multiple-site single-age concept from hogs. Biosecurity improves. Food safety/PR dominated by chicken concepts. Weights increase.

1990's

- Hogs – Artificial insemination. Feeder pig markets disappear. Production accounting matures. Vets specialize. Processors consolidate. Pseudorabies declines – PRRS accelerates. Breeders concentrate on respiratory/enteric horizontal disease control. Waste disposal concerns.

1990's

- Influenza – H5N1 from poultry kills people in HK! Never seen before. NPIP begins to discuss flu – poultry industry goes nuts (with help from USDA).
- Triple reassortant H3N2 shows up in pigs (from people) – spreads rapidly. Gonder says co-locating turkey breeders and pigs is fine.....

2000's

- Chickens – Weights increase. Natural breeding difficulties – spiking males blow single-age breeders. Food safety! Consumption increases rapidly. Welfare concerns begin.
- Turkeys – single age/multiple site rules! Major sanitation improvements/processing improvements help on food safety. Welfare concerns. Major weight increases. Building improvements. Consumption stagnates.

2000's

- Hogs – PRRS/flu vaccination for H1/H3. Weight increases. Waste disposal/environmental concerns. Bad PR. Welfare concerns. Continuous flow sow farms are a problem. Isolation changes to acclimation. Rise of autogenous vaccines. Circovirus...
- Influenza – Gonder takes bath on co-location. H3N2 jumps to turkeys; hogs and people have H1/H3; chickens have H5/H7/H9; turkeys have H1/H3/H5/H7. NPIP moves to influenza monitoring after years of wrangling. Novel H1N1 jumps from people to pigs to turkey breeders – like H3N2 – triple reassortant required?

Concerns

- Chickens – dominated by PR, exports, antibiotics, marketing, costs (depending on market), food safety. Niche markets/market claims.
- Turkeys – seasonal PR, exports, need antibiotics/vaccines – weak market compared to hogs/chickens. Individual procedures for breeders feasible. Aging infrastructure. Marketing/product development becoming real issues.

Concerns

- Hogs – Waste, environment, bad PR, How to stabilize continuous flow breeding operations? Welfare concerns. Food safety pressure. Individual animal treatment feasible.
- All – public perception. H1N1/H3N2/H5N1 recombination/speculation. How will public health/USDA/industry respond? Precautionary principle. Lack of science/agricultural knowledge in regulatory policy/legislation. Failure to engage. Environmental efficiency is where it's at. Rise of agricultural dilettantes.

STANDARD STATEMENTS

- NO HORMONES ARE USED IN US POULTRY
- THERE ARE NO DOCUMENTED CASES OF HUMAN TREATMENT FAILURE DUE TO ANTIBIOTIC RESISTANT BACTERIA ACQUIRED FROM USDA-INSPECTED MEAT

STANDARD STATEMENTS CONT'D

- NO ONE TREATS WHOLE FLOCKS FOR SINGLE BIRD INFECTIONS
- NO FLUOROQUINOLONES ARE USED IN US FEED
- COOKED MEAT CANNOT TRANSMIT ANTIBIOTIC RESISTANCE

User:
From Non
Sequitur's
Obviousman

COOK YOUR MEAT!

