

USDA Acts on

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million The Southeastern Pennsylvania poultry industry would be comparable in size to that which has been hit in England.

The disease is extremely deadly, with mortality normally running between 20 and 95 per cent Irwin previously reported that an infected flock of 10,000 birds might have a mortality of up to 500 birds per day.

Death rates in foreign Newcastle outbreaks among birds vaccinated for the common strain of Newcastle disease which is well known to local producers have run from 10 to 23 per cent, according to the USDA.

The disease, once established, is reported to be very easily spread from one flock to the next. A farmer tending an infected flock could walk out of his building, a sparrow might land in his steps, and carry the disease to a neighboring farm, according to Irwin.

The USDA is reported working with other regulatory agencies to bring pet and ornamental birds from Asia and Latin America, as well as illegally imported fighting cocks from Mexico and the Caribbean, under tighter control. It is believed that the disease is being brought into this country by way of the ornamental and game birds from countries which have the virulent Newcastle disease. These ornamental birds account for only about two million total, a very tiny percentage of the total U.S. poultry population.

In contrast, an outbreak in New Mexico involving only two farms infected some 850,000 chickens.

Dr. Jeszenka reported last week "Unless urgent measures are taken immediately, it is possible that the disease will occur in Pennsylvania."

His statement followed a meeting on how to prevent an epidemic in Pennsylvania and develop control measures should an outbreak occur. The meeting included the following:

Dr. Jeszenka, Dr. Edward T. Mallinson, director of the Poultry Division and Regional Laboratories of the Pennsylvania Bureau of Animal Industry, Dr. Robert F. Gentry, research pathologist of the Wiley Laboratory, Penn State University, Dr. L. Dwight Schwartz, Penn State Extension veterinarian, Dr. G. T. Mainwaring, veterinarian in charge of Federal Animal Health Services, Dr. Walter Hohlestein, Federal Services regional epidemiologist for poultry diseases, Dr. H. S. Forney, chief of Miscellaneous Diseases Division Pennsylvania Bureau of Animal Industry, Charles Dorssy, poultry division Pennsylvania Bureau of Foods and Chemistry, and Homer J. Bickler, executive director of the Pennsylvania Poultry Federation.

In his call for action on the state level Dr. Jeszenka noted, "The income from poultry and poultry products in the Commonwealth is approximately \$163 million annually. The overall economic impact would be far greater if allied industry losses were included. This deserves everybody's attention to maintain this level. As a final reminder of the urgency of taking all precautions to keep our industry free of this threat—the mortality range is from 20 per cent to 90 per cent in affected flocks. Simple mathematics means a minimum loss of \$33 million or a maximum loss of \$146 million could occur in the event of a statewide epidemic."

To make early detection possible and to avoid a massive outbreak, poultry producers are

being urged to have sick birds checked at a state lab immediately.

Irwin noted that cases of regular Newcastle disease continue to occur from time to time; this disease has no relationship to the foreign strain. Some seven cases of the regular Newcastle disease have been reported in Southeastern Pennsylvania since October. No quarantine is being enforced in these cases and growers are being advised to continue usual procedures of treatment.

Following the recent state meeting, Dr. Jeszenka issued the following advice on prevention of the foreign Newcastle disease:

"When purchasing from out-of-state sources, demand a health certificate, signed by an approved veterinarian, indicating the birds are free from clinical signs of Newcastle disease, or exposure thereto, to accompany each shipment. A copy of the approved certificate, signed by the chief livestock sanitary official of the state of origin must be forwarded to the Bureau of Animal Industry, Harrisburg, Pa. 17120."

"This has always been a requirement of the Bureau which has in the past been almost universally ignored. If the requirement is not met in the face of the present threat, a complete embargo on birds or poultry imports from states with known infection of the disease, will be imposed if necessary."

Dr. Jeszenka also emphasized the importance of sanitation and

how easily the disease is spread as follows:

"Allow no direct or indirect contact with recently imported or purchased pet birds, fighting cocks, persons who might have been in contact with this type of bird, or persons owning any suspect or possible carrier sources. Strict isolation and security measures such as change of clothing, disinfection of footwear, etc., are to every owners' advantage. Screening of windows, vents, etc., to prevent contact with sparrows and starlings, is another precaution that may prevent the introduction of the disease, or prevent its spread from a flock that may become infected."

Is vaccination an adequate protection against the foreign Newcastle?

Dr. Jeszenka reports, "Previous information has pointed out that most immunization programs are not adequate to protect against this strain of Newcastle Disease. Twenty per cent to 40 per cent mortality may occur even in flocks that are on so-called 'good' vaccination programs."

Still, vaccination apparently is partially effective.

But Dr. Jeszenka recommended that the type of vaccine must be of the BI of LaSota strain. Individual bird vaccination by eyedrop or intranasal drop is urged whenever possible.

Vaccination must be done frequently to be effective. The following schedule is recommended:

Broilers—once at 7 to 10 days of age and again at 4 to 4½ weeks.

Replacements (layers grown from chicks)—first time at 7 to 10 days of age; again at 4 to 4½ weeks, again at 10 weeks of age, at 16 weeks, and every 60 to 90

days thereafter.

Brought-in-Pullets—immediate vaccination with mild IB vaccine (such as Sterwin Broiler-bron) and B1 type combination vaccine, revaccinate 30 days later with regular Mass-Corn IB vaccine (such as Sterwin Polybron) in combination with B1 type LaSota strain ND vaccine, repeat every 60 to 90 days.

Breeders and layers—if on routine program, revaccinate every 60 to 90 days, if not on program, start one the same as for brought-in-pullets.

Dr. Jeszenka also outlined the following 10 control measures.

1. When any Newcastle is suspected, acute respiratory symptoms and/or paralysis with high mortality, (respiratory symptoms may not be present—sudden mortality may be the only sign of disease), immediately take 5-6 typically ill birds to the nearest State Diagnostic Laboratory.

2. A presumptive diagnosis can be made in approximately 72 hours.

3. All suspect flocks will be placed under Federal-State surveillance until diagnosis is confirmed. All movement of poultry, or poultry products, from the suspect farm will be supervised by regulatory personnel.

4. If viscerotropic Velogenic Newcastle is confirmed, a quarantine will be invoked. At the present time Federal-State funds are not available for indemnity purposes, however, they are being sought to assist in eradication, should the disease be

diagnosed. All birds on an infected premises will be disposed of under official supervision.

5. The owner will be responsible for adequate disposal under official supervision.

6. All litter, leftover feed, and other expendable items will all be disposed of under official supervision.

7. The poultry house and equipment will be thoroughly cleaned and disinfected. State and Federal assistance will be provided where possible.

8. The infected farm will be kept vacant for 30 days following steps 6 and 7. Susceptible monitor birds will be used to determine if Newcastle virus has been eliminated from the premises.

9. A zone (five mile radius) around each contaminated premises will be established and maintained under State-Federal supervision.

10. All poultry in this zone should be immediately revaccinated and vaccination should be repeated as outlined in section C under Preventive Measures. Vaccination at the owners' expense.

Dr. Jeszenka observes that these control measures "may seem drastic and severe—they are."

But to an industry which recently cried the blues over 5 to 10 per cent mortality rates from Marek's, he urges, "Consider what might happen if an epidemic (of foreign Newcastle) occurs."

PUBLIC SALE

OF VALUABLE
FARM MACHINERY & TOOLS

SATURDAY, JAN. 15, 1972

at 10:30 A.M. E.S.T.

The undersigned having sold their farms will sell on the premises located approx. 3½ miles northeast of Stewartstown and 1 mile east of the Pleasant Valley Golf Course, in York Co., Pa. the following:

Farmall 460 tractor fully equipped & in Exc. cond., 2 pt. fast hitch Int. 3 - 16 in. bottom plow, Farmall H tractor in good cond., cultivators for H tractor, Ford 8-N (Red Belly) tractor in find cond recently overhauled, A.C. Wd tractor with power steering & 3 pt. hitch adapter, Oliver Row Crop tractor, J.D. FB 15 disc grain drill, J.D. No. 290 rubber tire trailer type corn planter, Oliver No. 33 10 ft. self-propelled combine, Massey-Harris Clipper No. 50 7 ft. combine with motor & electric starter, Int. No. 250 mounted corn planter, J.D. No. 6 forage harvester with 1 row cornhead & direct cut, Gehl flail chopper 2 row with throwback, J.D. No. 44 2-16 in. bottom plow, Int. No. 209 2-16 in. bottom plow, Int. 8 ft. tractor disc harrow, Massey Harris 32 disc wheel carry disc harrow, Brady 2 row roto-beater, Int. 8 ft. cultipacker, J.D. tractor harrow, J.D. 4 section pull type rotary hoe, New Holland No. 410 fertilizer spreader, Int. PTO potato digger on rubber, J.D. 2 row potato digger, Case manure spreader, Coby 16 ft. bed rubber tire wagon with hydraulic dump, Int. 2 wheel trailer, J.D. No. 8 7 ft. mower, J.D. No. 1 hay conditioner, Sunmaster 3 pt hitch 5 ft. rotary mower, cyclone electric tractor seeder, Int. Cub Cadet lawn & garden tractor with 42 in. mower, David Bradley garden tractor & cultivators, Valk 7 ft. snow plow fits Int. M or H tractor, air compressor with ½ HP motor, air paint sprayer & hose, 6 & 12 volt battery charger, 1-40 ft & 1-20 ft ext ladders, 7 in. skill saw, rubber charger, rubber tire bag truck, pipe cutter, threader & vise set, 3 grease guns, hyd. jacks, 1 ton of 20-10-10 fertilizer, log chains, bench vise, block & tackles, 5 & 6 ft. step ladder, 19 electric poles, lg. pile of used lumber, used cinder & cement blocks, pile of used 1 in. pipe, chicken feeders & nests, misc. hand tools & many items not mentioned.

Terms: cash or approved check

Glenn & Creta Hershner, Owners

Robert L. Sechrist, auctioneer Ph. 382-4379
John Hope Anderson, clerk

Not responsible for accidents
Lunch by Hopewell Pres. Church

IN OUR FIRST YEAR IN BUSINESS

WE HAD SOME PROBLEMS!

SOMETIMES
BUT

We didn't have a part you needed MOST OF THE TIME, WE DID, and we have already placed our early orders for twine, AC & NH parts for 1972. Check your equipment for needed parts now.

SOMETIMES
BUT

We couldn't give prompt service MOST OF THE TIMES, WE DID. Our new service shop addition is nearly completed, (all our service foreman, Frank Ortleib, Lloyd Lelever, George Knight or Clair Becker for winter service so your equipment will be ready to roll this Spring. These men represent a total New Holland and AC service experience of 60 years.

SOMETIMES
BUT

We didn't have enough capital to pay our bills. We are told that most businesses (including farmers) have that problem. We want to express our appreciation to most of you who respond promptly to statements and delivery invoices.

SOMETIMES
BUT

We didn't follow up our equipment prospects usually we did, and we want to thank all our customers for the patronage you have given us in 1971. As most of you know, our friendly salesman, Howard (Hob) Erb has had open heart surgery and was not able to be on the road for the last 5 months. He has been recovering steadily and is now making some telephone and farm calls. If you are considering some new or used equipment, your visit or call will be appreciated.

SURE, WE HAD
BUT

PROBLEMS - SO DID YOU. Most of our problems were your machinery problems which we helped to solve. OUR BUSINESS IS TO SERVE YOU. The Lord has been good to all of us this year in so many ways and we trust that He will continue to bless you—all as we work together to serve Him and our fellowmen in 1972.

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