

Charlie Beard 9/80

— BEARD PROPOSAL —  
ATTACHMENT A.

SUGGESTIONS FOR A "WORK YOUR WAY OUT OF VVND QUARANTINE"  
PROGRAM FOR BASIC BREEDER FLOCKS

1. Flock Isolation

(a) The premise should be located no closer than 1 mile (straight line) from any other poultry flocks unless they too are in the program (distance arbitrary).

(b) The premise must be suitably fenced to prevent the entry of dogs, foxes, people, etc. with a locked entry gate. Poultry houses must be locked.

(c) Entry into the fenced area must be preceded by a shower and clothes change on the site in a suitable shower/change house. Entry is restricted and an entry log maintained in change house.

(d) Incoming feed must be transferred to a trailer or truck at the gate for distribution to the houses. The road truck cannot enter the fenced area.

2. Handling of Eggs

(a) Eggs must be identified as to date of collection, egg production records maintained, and eggs removed from the premise no more frequently than twice a week.

(b) Before leaving the premise, eggs must be stored for at least 1 week to allow chickens to show signs of VVND (clinical or serological) should they be infected when eggs are layed.

(c) Eggs leaving the premise must be incubated and hatched in a hatchery reserved for that purpose only and the chicks placed on a quarantined premise for several weeks. No other poultry may be on that premise during the quarantine period.

3. Monitoring of Flock

(a) There must be at least 30 unvaccinated and HI negative sentinel chickens dispersed throughout each house on the premise. They must be banded and easily identified. The sentinels may be non-vaccinated hatchmates or SPF chickens brought in specifically as sentinels. The sentinel must be tested HI negative between the day the egg was layed and before it is hatched. If serologically positive ( $\geq 1:20$ ) against 10 HA units, they no longer qualify as sentinels and must be replaced. Chickens do not qualify as sentinels unless they have been in the house for 3 weeks and in the house when the eggs to be cleared were layed.

The use of live NDV vaccines will make it difficult to maintain HI negative sentinels unless such use ceases before the pullets are placed in the laying house. Killed, oil emulsion vaccines as a placement booster would be more compatible with the sentinel program.



(b) Daily mortality records must be maintained and causes of more than normal mortality determined by approved laboratories. Unusual mortality in either sentinels or subjects would be cause to immediately stop all shipments and to remove eggs from the incubator.

#### 4. Regulation

Each individual batch of eggs coming off the premise must be approved for transfer to the hatchery by the responsible officials. The approval of one batch of eggs will not mean the premise is cleared for future shipments as long as the premise is in the quarantined area.



# HOWE/CHASE PROPOSAL

## ATTACHMENT B<sub>0</sub>

### 1) FLOCK ISOLATION:

- a) The premise involved should not be located closer than two miles from other commercial or hobby poultry.
- b) The premise should be fenced to prevent unrestricted movement of people and vehicles.
- c) The house/s should be fenced and secured to prevent entry of any unauthorized mammals.
- d) Once a quarantine is established, farm vehicles should be assigned to the premise. These vehicles should not leave the farm for any reason.
- e) Feed will be brought to the perimeter fence and transferred to a "on farm" vehicle for final distribution.
- f) A complete change of clothes for all people entering the perimeter fence would be required. This change would include some form of hair covering.
- g) For those who are to enter the "house fenced area", in addition to the above, there should be hand washing facilities, foot baths and atomizer sanitation.
- h) No visitor of any nature will be allowed in the "house fenced area".

### FLOCK MONITORING:

A premise is any place chickens are housed.

A flock is any one house that contains poultry. A group of birds all hatched on the same day but housed in separate building/s would be considered two flocks.

A connecting passage-way that doesn't contain at least 50% of the square footage of the total combination of buildings will not qualify the connected buildings as one house.



- a) Each flock of birds should have 30 (unvaccinated against NCD and NCD-HI negative) sentinel birds placed at random throughout the house.
- b) No eggs can be saved for hatching until two weeks after the sentinel birds have been housed.
- c) At the start of the third week after housing of the sentinel birds, weekly NCD-HI tests will be run. The filter paper or some other, yet to be specified, method should be used. Any bird with a NCD-HI titer of greater than 1:20 against 8 HA units is then no longer a sentinel. The eggs gathered for hatching must be laid in the time period between two negative NCD-HI tests.
- d) Any change in sentinel status in any house will exclude the house from the program.

HANDLING OF EGGS:

- a) Eggs must be identified as to date of collection, house, and premise.
- b) Eggs from the flock shall be fumigated at the end of each day's collection and then be placed in new or hot water sanitized egg handling material. These eggs will then be placed in new plastic bags.
- c) The week's collection shall be maintained on the farm for one week. These eggs can then be moved to an isolated or acceptable hatchery.

See below:

WEEK	1 HI	2 HI	3 HI	4 HI	5 HI	6 HI
EGG LOCATION	<u>Laid</u>	<u>Farm Cooler</u>	<u>Incubator</u>	<u>Incubator</u>	<u>Incubator</u>	<u>Hatch</u>



- d) Eggs may either be shipped out of the quarantine area to a quarantine hatchery or set in a quarantine hatchery in the quarantine area.
- e) If any NCD-HI response is noted above the already mentioned levels in the sentinel birds, prior to the end of the second week of incubation, the eggs should be removed from the incubation facility and destroyed in a biologically acceptable manner.

HANDLING OF CHICKS:

- a) Each group of birds will be hatching from a premise that will be kept isolated as a flock.
- b) Chicks hatched shall be given no day old NCD vaccinations. All other services normally given are acceptable. Birds shall be shipped to an isolated growing location. All mortality above 5% of the birds shall be sent to VSL in Ames, Iowa for virus isolation attempt.
- c) If after 30 days of monitoring, no NCD virus of an exotic (VVNCV) has been isolated, the flock shall be considered free of the disease and grown out in a normal manner.