Hatchery records

During hatchery process it is necessary to have records from the beginning to the end of the process. All data should summarize and record, for example in tables.

Table of Hatchery

Receive date	Incubation date	No. of incubated	Fertility rate	Transfer date	Hatching date	No. chicks	Hatchability %	Dead Embryo	Notes
		eggs	(%)						

Management of Hatchery

• Measurements after hatching directly:

These qualities measured in 1 day old, the chicks weighed by a delicate digital balance and then take the average of the five treatments. And also broken all the non-hatched eggs and then calculate the number of fertilized eggs.

After hatching completed **<u>dead embryos</u>** and **<u>unfertilized eggs</u>** removed, good chicks directly transferred to the field for the purpose of rearing.

The manager should calculate <u>the number of good</u>, <u>abnormal</u> and <u>dead chicks</u> to obtain the percentages of <u>fertility</u> and <u>hatchability</u>.

The fertility percentage also calculated in the following equation:

Number of fertilized eggs * Fertility (%) = ------ × 100 Total number of eggs

• Fertilized egg=(Normal+ Abnormal+ Dead embryo)

Also the percentage of hatched chicks calculated at the end of the day 21 of hatching, the percentage of hatching calculated from fertilized eggs and total eggs as in the following equations:

Number of hatched chicks 1- Hatchability% (fertilized eggs) = ------× 100 Number of fertilized eggs

 Number of hatched chicks

 2- Hatchability% (total eggs) = ------ × 100

 Number of total eggs

• Hatched chicks= (Normal + Abnormal) – Dead embryo

Example

You have a hatchery with capacity of 60,000 chicks after the eggs hatched:

- * The number of hatched eggs is 46,200 eggs
- * The number of dead embryos is 3,000 embryos
- * The number of fertilized eggs is 49,200 eggs
- * The number of unfertilized eggs is 10,800 eggs
- * The number of good chicks is 41,580 chicks
- * The number of abnormal chicks is 2772 chicks
- * The number of dead chicks is 1848 chicks

find the following

- 1- Fertility (%)
- 2- Hatchability (%)(fertilized eggs)
- 3- Hatchability(%) (total eggs)