

42 700

- 2 .

alsafra2005@yahoo.com -

-

-

-

\*

(M)

-

46.06

(H)

41.00

42

42

/

150

/

/

50

:

(M)  
18-

(H)

)

%9.67 %8.41

(

(M)

)

(H)

(

( )

:

(2006 )

(2005 )

(2009 Rogerio)

160

Abiola)

42

)

35

(2008

(2006 )

. (2010

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(2003 )  
 (1998 Anthony)  
 (2007 )  
 . (2010 )  
 .  
 2009/11/22 2009/10/10 -  
 46.06 41.00  
 42  
 (H) 41.00 (M) 46.06  
 ( / 50) / ( / 150)  
 / 2×2 50  
 2999.5 2954.0 %20.07 22.08 /  
 ° 54 10  
 (1999) Fletcher  
 (1998) Smith  
 ( ) ( )  
 (1995 )  
 ° 4 (2002)  
 (1998) Smith  
 12 ° 4  
 . (2002) Same Alvarado  
 ( )  
 (1998) USDA ( )  
 24 3 ° 18-  
 (1997) Lyon Young

(1955) Duncan

(2001)SAS

(1)

42  
 (M) (H)  
 (H)  
 %0.41 1600.80 1650.40 (M)  
 %2.59 1468.50 1527.90

(1987) Pearson

(free drip water)

/ 60

%95-88

Myofibrils

%12-5

(2005)

.1

42 700

±			
(%)	( )	( )	( )
1.35±2.59	54.85±1468.5	54.81±1527.9	(M)
0.07±0.41	96.86±1600.8	107.01±1650.4	(H)

\*

(2)

42  
 (M) (H)  
 36.00 (M) (H)  
 21.50 32.67 22.67  
 Lilburn  
 (1994 )

(2010)

(1997)

( ) . 42 700 .2

±			( )
( )	( )	( )	( )
3.32±21.50	0.88±32.67	0.47±23.07	(M)
2.19±22.67	1.73±36.00	0.21±22.83	(H)

\*

(3)  
42  
(M) (H)  
1.58 72.53 (M) (H)  
1.42 67.96  
) (1997)  
(2002 )  
(M) (H)  
7.90 11.10 8.37 (M) (H)  
(1995) Bjerstedt 10.90  
.3

. 42 700

±				( )
( )	( )	( )	( )	( )
0.38±11.10	0.52±8.37	0.08±1.58	4.19±72.53	(M)
0.32±10.90	0.35±7.90	0.04±1.42	0.58±67.96	(H)

\*

) (H) . (2005

(M)	8.30	7.90	7.27	7.27	7.27	(M)
(4)						(M)
(H)						(H)
(M)						(M)
	547.87	205.77	209.07	95.80	381.03	167.07
	497.83	197.87	186.09	90.17	338.57	152.90
(H)						
		(M)	962.71	643.90	881.70	581.64
			%8.41	%9.67		
(L)						

. 4

. 42 700

المتوسطات ± الخطأ القياسي						وزن الفرخ (غم)
الأجنحة (غم)	الظهر (غم)	الرقبة (غم)	الوصلة الفخذ (غم)	الفخذ (غم)	الصدر (غم)	
6.35±161.83	15.03±352.80	4.46±92.77	9.84±192.70	13.52±207.80	18.04±512.17	المتوسط (M)
9.38±175.43	30.82±392.07	1.04±99.03	13.39±215.53	16.70±211.80	39.14±561.97	العالي (H)

\*

. 1997.

. 1995.

( )

. 13-11: . 2 . 8 .

- . 2010. 700
- . 2007 .
- . 20 -12 : . 27 . 3
- . 2002 .
- . 2005.
- . 2007.
- . 3 . 4 . Ross(308) . 291-282:
- . 2010 .
- 35 700
- 73 . -2 .
- . 405-395 - : 2
- . 2003 .
- . 36-35 : . 172
- . 2006
- (8)
- Abiola , S . S . , A . O . Afotabi and O . J . Dosunmu .2008. Hatchibility of chicken eggs as influenced by turning frequency in hurricane tantern incubator . *African J. of Bio.* 7 :4310-4313.
- AL-Khalifa , A . S . and A . A . Dawood . 1993 . Effect of cooking methods on thiamin and riboflavin contents of chicken meat . *Food Drug Cosmetic law J.* 48 : 69-74 .
- Alvarado , C . Z . and A . R . Same . 2002 . The role of carcass chilling rate in the development of pale exudative turkey pectoralis . *Poultry Sci .* , 81: 1365-1370 .
- Anthony , N . B . 1998 . A review of genetic parameters in poultry . Efforts to improve meat quality . *J . Muscle Foods .* 9:25-33 .
- Bjerstedt , H . , F . Robinson , R . Hardin and T . Wautier . 1995 . Carcass traits and reproductive organ morphology in 62 week old sewl hens . *Canadian J . Animal Sci.* , 75 : 341-344 .
- Duncan , D . B . 1955 . Multiple range and multiple F test . *Biometrics* , 11 : 1-24 .
- Fletcher , D . L . 1999 . Broiler breast meat color variation , pH and texture . *Poultry Sci .* , 78 :1323 – 1327 .

- Lilburn , M . S . 1994 . Skeletal growth of commercial poultry species .  
*Poultry Sci .* , 73 : 897-903 .
- McKee , S . R . and R . R . Sames . 1998 . Rigor mortis development at elevated temperatures induces pale exudative turkey meat characteristics . *Poultry Sci .* , 77 : 169-174
- Pearson , A . M . 1987 . Muscle function and post mortem changes . Ch . 4 in Meat and Meat Products . 3 th edition . J . F . Price and B.S. Schweing . P : 155-192 . Food and Nutrition Press . Inc . Westport
- Rogerio , C . T . 2009 . Quail meat undiscovered alternative . *World poultry* Vol . 25No . 2:12-14
- SAS . Institute . 2001 . SAS User's Guid :. Statistics Version 6.12 end . , SAS institute. Inc . Cary . NC , USA
- Smith , E . R . , G . M . Pesti , R . I . Bakalli , G . O . Ware and J . K . M . Menten . 1998 . Further studies on the influence of genotype and dietary protein on the performance of broilers . *Poultry Sci .* , 77 :1678-1687 .
- United States Department of Agriculture (USDA) . 1998 . Poultry grading manual agriculture handbook number 31 , Washington .

## **FFECT OF TWO CHICKS WEIGHT ON SOME CHARACTERISTICS CARCASS OF COBB 700 BROILER AT AGE 42 DAYS**

### **1- SOME CARCASS CHARACTERISTICS AND ITS LENGTHS.**

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#### **ABSTRACT**

This study was carried out at the College of Agriculture – Baghdad University aiming the evaluation of two days old chicks weights 41.00 and 46.06g on carcass characteristics of broiler at age 42 day . The result obtained indicated the following :-

It will be better in circumambient of breast , thigh ,body and breast fleshing , length of thigh bones and drumstic for chicks resultant from (H) comparison with (M) . There were consequential better in weight of cold carcasses and after frozen and thawing under temperature -18 c for carcass of birds resultant from (H) comparison with (M) . Predominant weights of the carcass main (breast , thigh , drumstic) and secondary cuts (neck , back , wing) after thawing for birds resultant from chicks (H) comparison with (M) with percent 8.41% and 6.96% respectively . It could be concluded that chicks (H) gives at 6 weeks carcass with pest characteristics like circumambient of breast , thigh also batter in body dimension and low of thawing loose comparison with chick (M).

**Key word:** chicks weights, body lengths , carcass characteristics