



" # \$ %!

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المساهمة في دراسة توزيع اللحوم الحمراء حالة بلدية ورقلة

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1	.	/ 0	4	5	,	!	
	1	/ 0		,	!		

2005. 2004\$ %-

تشكرات

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05 (67 - % \$ I
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13< # # 0A J -5-I
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14@ / -1-II
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15@ / A K -3-II
16= "(@ / -4-II
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16 0 = -2 -4-II
17
@ >1 > " > % > = % + ,) 9 < \$ %; 14/	
18 5 A 9 < : I
18 I -1-I
216 94 I 9 -2-I
214 8 9 I -1-2-I
22LC 8 9 I -2-2-I
238 9 I -3-2-I
24+ B 8 9 I -4-2-I
24+ 8 9 I -5-2-I

25 B C % 5 ,) 9 < : II
25 LC -1-II
27 4C -2-II
28 -3-II
29+ B -4-II
31 B D 5 , 9 : III
32 LC -1-III
33 4C -2- III
33 -3- III
34+ B -4- III
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' \$; 14/	
36 B 8 +4 : I
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36 A -3-I
38 @/ 8 . -4-I
38 B 8 51 - : II
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48; 45 A # -1-3-III
49 9 A # -2-3-III
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Résumé

Contribution à l'étude de la distribution des viandes rouges dans la wilaya de Ouargla.

La présente étude porte sur les différents agents de distribution des viandes rouges (ovin, bovin, caprin, camelin) et sur l'approvisionnement en viande au niveau de la wilaya de Ouargla.

Le circuit de distribution comporte les éleveurs qui approvisionnent les maquis et qui revendent aux boucheries.

L'abattoir est le lieu principal où s'approvisionnent les boucheries en viandes rouges.

La consommation importante des viandes coïncide avec des périodes de grande commercialisation pendant l'année, le mois de ramadan et les fêtes religieuses.

Les plus grandes quantités de viandes consommées au niveau de la wilaya de Ouargla sont les viandes ovines puis les viandes bovines et en fin les viandes caprine et cameline.

Les prix des viandes ovine et bovine sont plus chers que les viandes cameline et caprine.

La production en viandes rouges durant l'an 2004 atteint 1525805 kg

Mots clé : viande rouge, distribution, maquis, boucheries, (Ouargla)

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Summary

The study consists : the different stages of the distribution of red meats (sheep, cow, goat and camel) and about the meats provided at the level of ouargla

The system of this distribution is serial. It starts with the farmers, which provide the dealers which sell the meat to this butcher shop.

The slaughterhouse is the main place where the wholesale butcher shop is provided by red meat.

The most important consumption periods of meat coincide with the biggest of marketing during the year autumn season, fasting days (Ramadan) and the religious celebration.

The largest consumable quantities and kinds of meat at the level of Ouargla are:

The sheep's meat, the cow's meat, finally the camel's meat and goat's meat.

The price of these two kinds of meat: sheep's meat and cow's meat are cheaper than the two other kinds: camel's meat and goat's meat.

The price of these two kinds of meat: sheep's meat and cow's meat are cheaper than two other kinds: camel's meat and goat's meat.

The meat's production during 2004 reaches even 1525805 kg.

Key words: Red meats, marketing, wholesale, butcher' shop, Ouargla.

مقدمة

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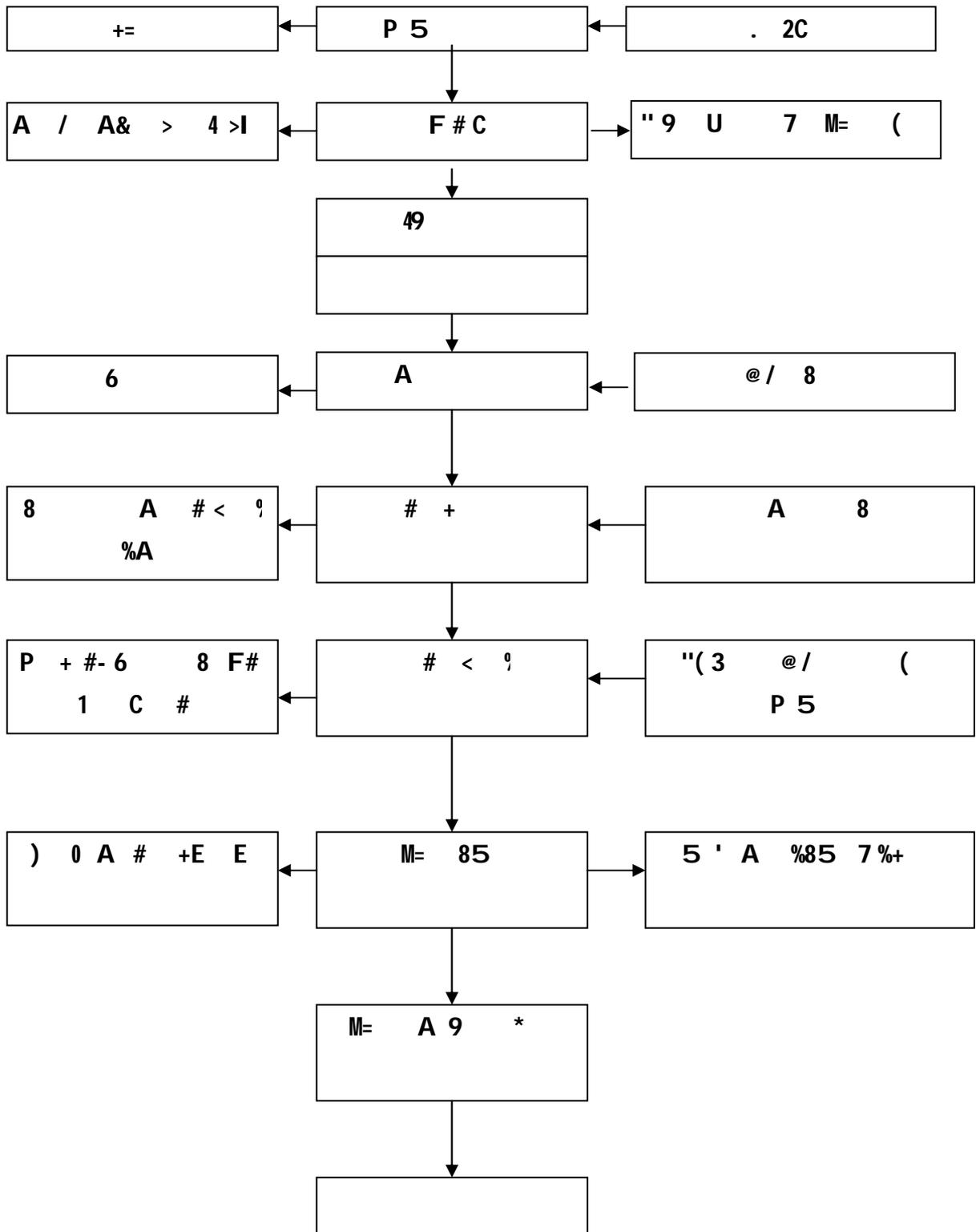
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الفصل الأول

إنتاج واستهلاك اللحوم الحمراء في الجزائر

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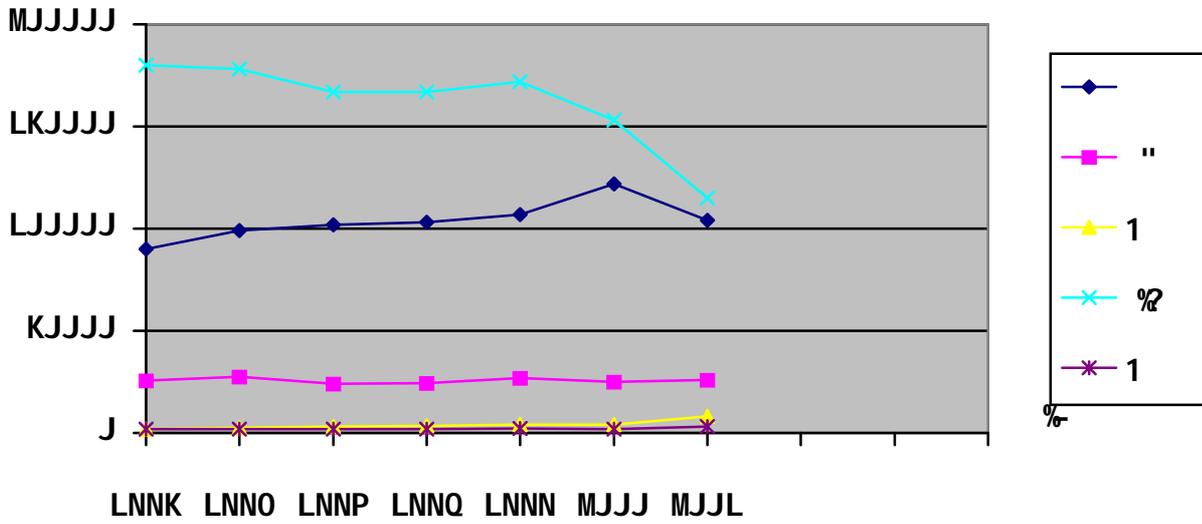
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17818 3582	16438 3362	18441 3850	16465 3278	13670 2531	11609 2154	9598 1906	+ B 0 6
3344 643	3113 544	3874 671	4060 724	3873 656	4370 781	4533 836	+ 0 6
104000	122000	107000	103000	102000	104000	100600	@ / " %-2 11 L I - 169- 4
26000	25000	26900	24500	24000	26000	25000	169-
8000	4000	4000	3500	3000	2500	2000	169+
115000	153000	172000	167000	167000	175000	170000	169- L
3000	2000	2100	2000	2000	2000	2000	169 - +
<u>256000</u>	<u>306000</u>	<u>310000</u>	<u>300000</u>	<u>298000</u>	<u>309000</u>	2996000	169 - P

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 ;U C A L 7) S/2 < . 5
 60 C 10 A +& P ' # G& @5 / 3 + +& 6
 12001.2000- " "(. / 8 L LC # 7 0 = "(< # # G&
 ; < 5) # 7% < \$ B 7% 8 / 2

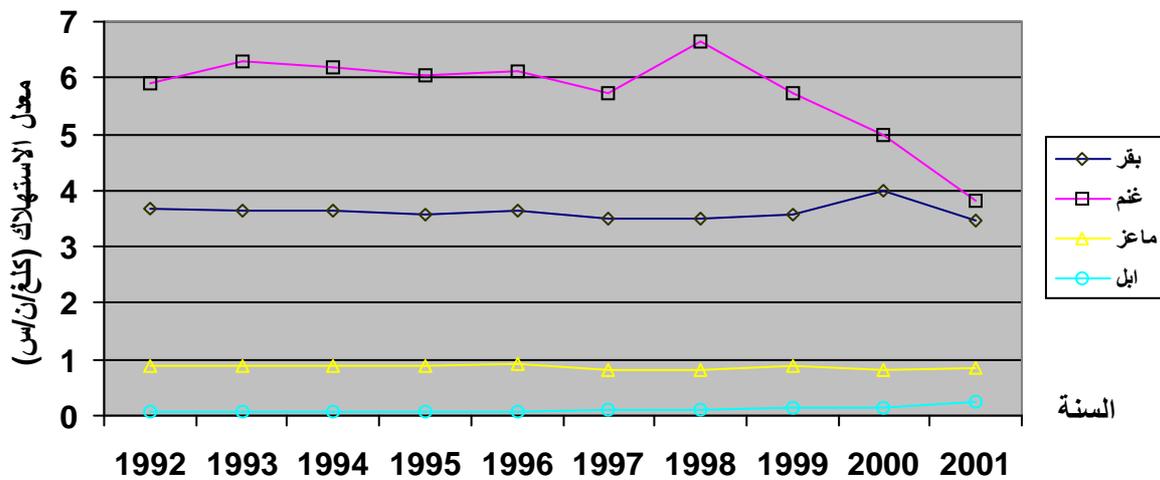
3V45- 4 #) * T ;1 ,6,0 6V28 3V81- 6 = "(LC # \$ % 4
 1 ,6,0 0W07 0W026 -! +B 0 1 ,6,0 0V91 0V81- "(00 0I ,6,0 3V98
 ; # 39 "(C /2 G& 1 ,6,0 0V26! 2001 "(N # 6 # 0 F #
 3 ' 0 F # = "(T 2 0 0 ("(< # # G& E 9 6%

2(DELLALL 1992- . 504 " #

2@* R, RG = 5 (67 - 1 \$2 B 1

@* R, RG = 67 - D 1				% -
1 D	"		%	
0,07	0,87	3,67	5,9	1992
0,07	0,89	3,65	6,28	1993
0,07	0,90	3,65	6,18	1994
0,07	0,89	3,58	6,05	1995
0,08	0,91	3,64	6,12	1996
0,10	0,81	3,51	5,74	1997
0,12	0,83	3,49	5,65	1998
0,13	0,89	3,57	5,74	1999
0,13	0,82	3,98	5	2000
0,26	0,86	3,45	3,81	2001

2005 @.N.S= 9 4 I % , \$ 4



@* R, RG = %1 5 (67 - 1 \$2 B 1

67 -D C- (C 23.I

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 ;6 "(+0 U J ;;+% V 40V LQ
 ;I # H >1<5 >< # - # \$ %"2 ! # A
 , ,0 10W97 A (>1992 ,6,0 10W60 ! 4 = "(< # # G&
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 P C 8 N # 9 # \$ %. ; # " B \$ B 6 %58 A () \$ %
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 6 L 12001-1992- 6 /2 %3 ' 5 A) 603 + +& 6 N#&
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 ;1993 /6 /0 10W97 U 1992 /6/0 10W60! < # # G& = ""(
 N # 5 ' A(> * A +& = (G& 0) C S/2
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2 7 %8 /2 + B + # \$ %"()) N#& 2001 L 7 %1992 6 0

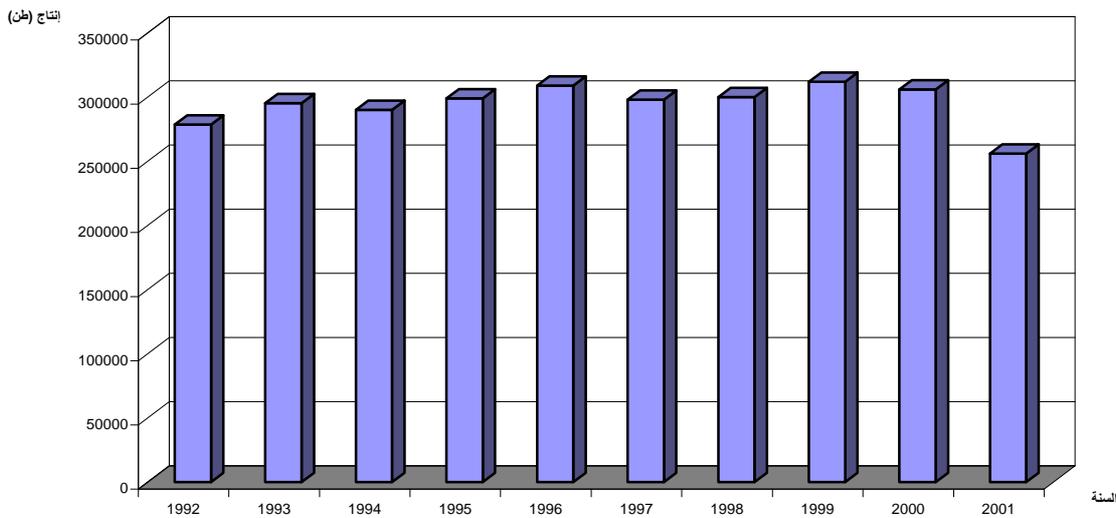
4 7 %U : L A " . ') 2 N "(7 % (5 B) . C S/

;13 + - \$ B

@* R, RG =(% 67 -D \$3 B 1

السنة	عدد السكان (ن)	إنتاج اللحوم الحمراء (طن)	معدل الاستهلاك (كلغ / ن / س)	كمية الزيادة
1992	26271000	278500	10.60	
1993	26894000	295200	10.97	3.70
1994	27496000	290000	10.89	- 0.8
1995	28060000	299000	10.67	- 2.2
1996	28566000	309000	10.81	- 1.4
1997	29045000	298000	10.25	- 5.5
1998	29507000	300000	10.16	- 0.9
1999	29950500	312000	10.31	2.5
2000	30600000	306000	10.00	- 4.1
2001	30118000	256000	8.50	-

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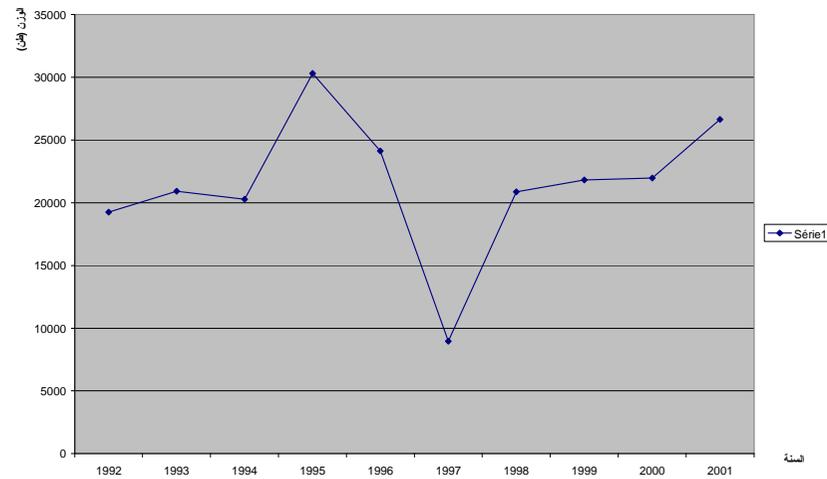
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2792	2699,8	2741,9	1887,2	940,5	2614,9	2966,6	1448,2	1450	933	- , D

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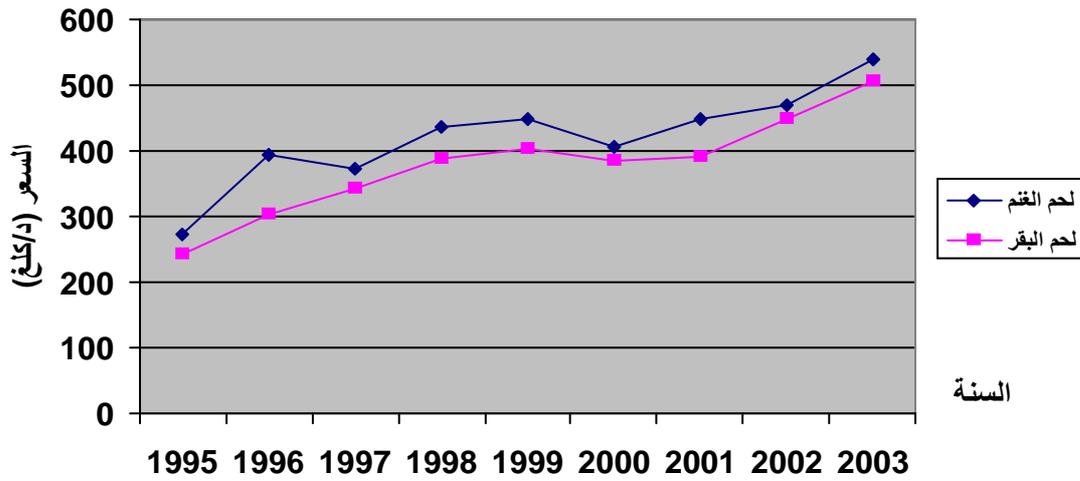
\$ % 7 0 : ; # F # = /J 2 C V + ' V + V 7 (L ! + S/2 +

1 S A A D O U D M . 1 9 9 9 - ; 3 0 6 #

2003	2002	2001	2000	متوسط 99 - 90	1999	1998	1997	1996	1995	السنة اللحوم
539	470	447	407	389	450	437	374	393	273	لحم الغنم
505	450	392	384	282,3	402	389	341	302	242	لحم البقر

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17DELLAL1992- #

8 : 23. II

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; @/ 4

; 4 15 7%76 3 J 4 6 !@/ . 4

\$(#) 6 I ! . 5

!. 9C 0 8 !^ .)

N X: : L 7%H # K6 69 @' 0> 6 + '(A ' "(S/2 0

C 0 + + 74 E > 6 07%+4 > 5 < *#C P G/ X ' .

1 FAIZA, 2002- ;+

"(9 4 9 6 9* 7%6 # " 5 + 4 6) !13* - P . C

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1 TOUFIK, 2001 -

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1TOUFIK,2001- ; +

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; * 39 "(V

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;a* K (6 8 0XU 3 ' A '* X!+0) 3(@

5 ' A4 < # # G& (V" # 6 "(N # 4 = 6 7
 ; /6 /0 10.97 " # 1993 6 /6 /0 8.5 I 4 2001 0 /% A +&
 . ; /2 9J E 7% AW (G/ V \$ B 6\ () 4
 ; < /J (3 "(H "(2C C + ' . & 9 A J) C
 U 4 " (4 @ / + * 6 "() 9 ! 72 @ / 6 P 0 0&0 N
 ; ' 39 N + #) 72 0

الفصل الثاني

تغيرات حجم القطيع لمختلف الأنواع في الجزائر

5 % + A 9 <

%; 14/

5 A 9 < \$I

; +) QW1 + BV V LCV 4 - 6 94 # J 6%

' C 21. I

= "(J 8 9 : "(A 7 0 9 " A 9 20 @5 6 + * 6%

) 6 0+ WU 07% 6 A "(I 6) C +& 6 V2001 7%1992 6

; 0 17298786 ! 2001 A () +0 0 0 18664640I / 1993 "(

@5 6 20017%19926 = "() 4 : "() A 9 @5 : 7+ * -

+ +0 0V 0 1613027! I 4 A 2001) 0A) . 5 I

; 0 1227940 I 4 1996 6

7 60N#& 2001 7 1992 6 = "(: "(A 20 6 : 8+ * -

0 3400000 7%2543790 6 4 60/%1999 7%1994 6 <

"(N#& ' : "(4 7%U 0 . '9 I N#& 1993 7%1992 6 0

; "(G 2 60/%12001-2000-

6 "(I // @5) C 2001 7 1992 6 = "(+B @5 : 9 + * -

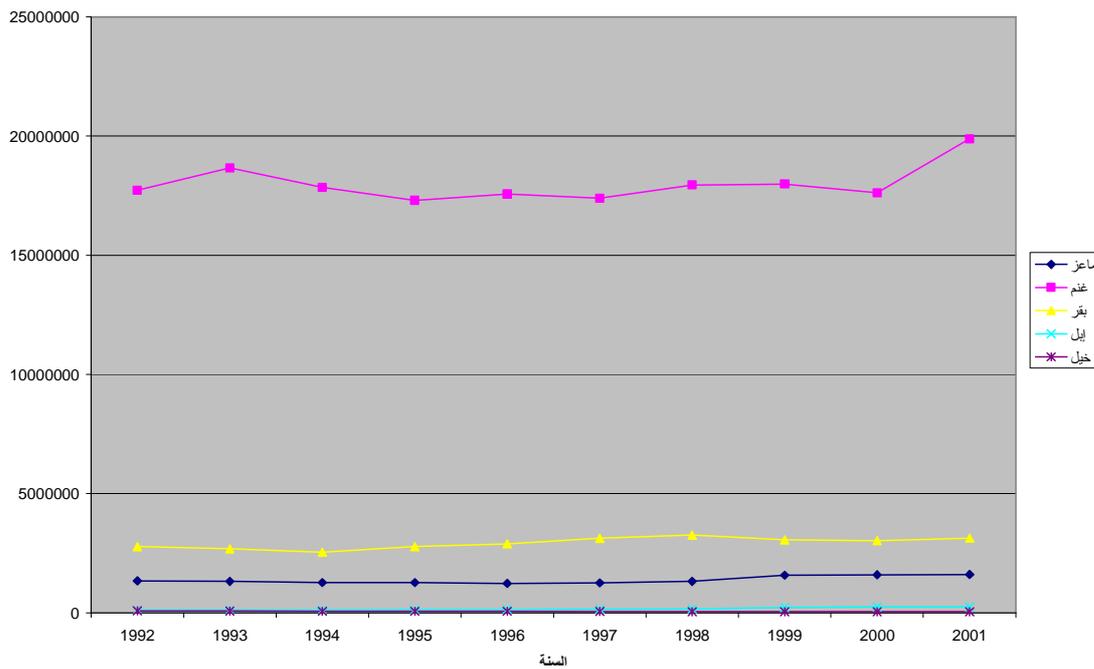
A 12001-2000-1999-) C A "(#5)) S/2 N 6 1998 L 7 1994

1 ONS 2005- 0 1245484-234170-217370-:

12001-) C L 7%. 5 (N# " A +& 6) I #

1	1	"	%		%
76940	114300	2775130	17722780	1337302	1992
72800	114380	2683310	18664640	1313820	1993
66510	114120	2543793	17841840	1269130	1994
62160	126350	2779790	17301540	1266620	1995
60000	136000	2894770	17565400	1227940	1996
52370	150870	3121500	17387000	1255410	1997
45990	154310	3256580	17948940	1317240	1998
45990	217370	3061660	17988480	1579653	1999
45980	245990	3026731	17615920	1595259	2000
46234	245484	3129400	19878600	1613027	2001

2005 CONS = 9 4 0 % , \$ 4



5 % * T " \$6 B 1

, C 22. I
A B C 21.2. I

S/2 6 6 + C J 7% (5B V%57.4 +0 " 406 01 4 89 6%

%8.4 " # 2 Q 2 L / T0 ("4 0V894 " %6 % 34.2+0) C

894 "(F B :) 8 7* 894 "(4C) 60. @5 11 + *

;1997-1992 A +& V F B : "(2 894 : "(N' N#

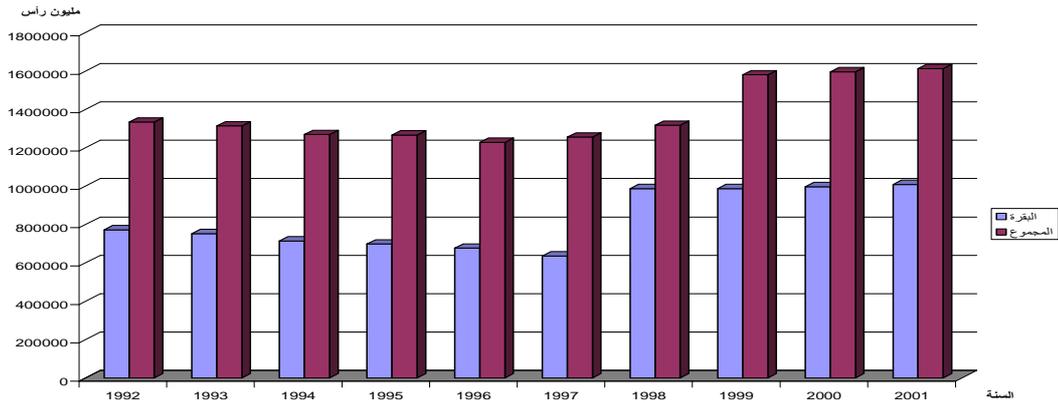
0V1997 0 6 1.25 1992 0 6 1.3 I 4 4 89 : " %

; 0 6 1.6 7 8' 4(2001

3 A B C \$7 B 1

		, "U <4		
1333730	154310	407320	772100	1992
1313820	155030	405940	752850	1993
1269130	140350	414790	713990	1994
1266620	157530	410440	698650	1995
1227940	154780	396440	676720	1996
1255410	44310	575440	635660	1997
1317240	47460	594050	987283	1998
1579653	49364	543006	987283	1999
1595259	49852	548370	997037	2000
1613027	50407	5544778	1008142	2001
1374618	115054	470845	788719	-

2005@O.N.S= 9 4 I % , \$ 4



3 A B C \$ 11 B 1

%23 A B C 22.2. I

5' N# 8 94 " %6 % 60.6 +0 " ! "] 6 6 0P LC 8 9

6 117 # 1992 0 4 ;U C A A /%W2001-1997-) C A "(N #

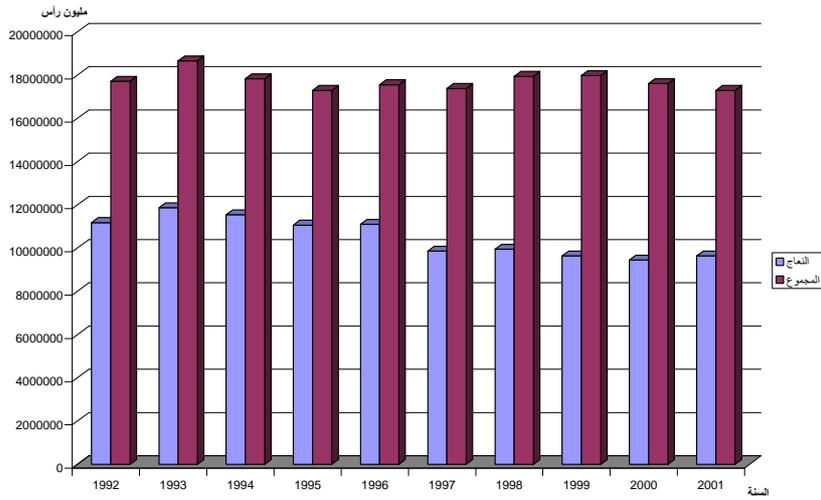
; 0 6 & 6 ! . 7%H' + 0

; %5.2 6 # 1? - / 8 94 6 %34.2 6 0 6 6 +0 J 0

; \$ - F B : V8 94 "(LC : 6 & @5 12 + *

%23 A B C \$8 B 1

	, " U <4	%	V	
17722780	5383800	11184830	1154150	1992
18664640	5669530	11871280	1123830	1993
17841840	5215180	11548790	1077870	1994
17301560	5261890	11062790	976880	1995
17565400	5436370	11108580	1020450	1996
17387000	6733420	9863100	790480	1997
17948940	7369790	9954980	624170	1998
17988480	7654810	9644040	689630	1999
17615928	7489688	9446310	679930	2000
17298786	6998878	9642077	657831	2001
17633829	6033175	10686342	914312	-



23 A B C \$ 12 B 1

" A B C 23.2.I

+0 / 1 - / 7 894 " % 6 %58) + # 89 "(

4 YA X 89 A J >894 6 %33.7 +0 6 6 +0 J 0%8.3 ' 5

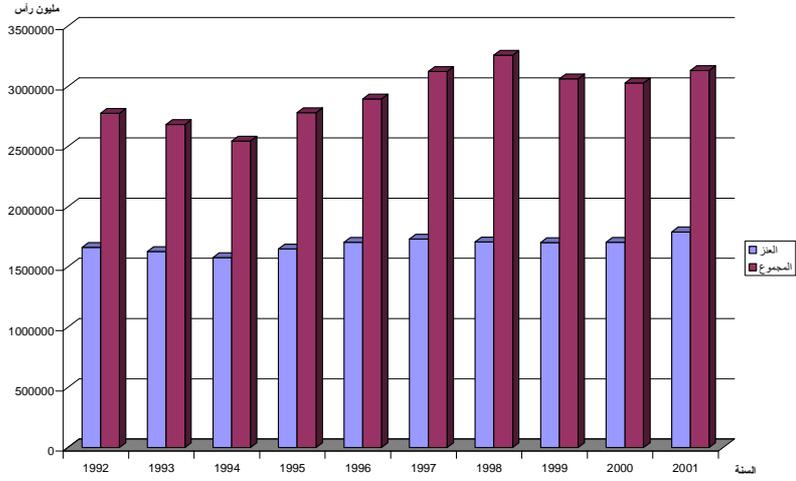
;13 + * +& 6 N /2 V

2001 L 7%1997 6 0P' E 7% 0 1994-1993 F B "(H' N# 4

; 0H' E 7% F #

" A B C \$9 1

	, "U <4	%	*	
2775130	851760	1662180	261190	1992
2683310	813150	1626790	243370	1993
2543790	745140	1575820	222830	1994
2779790	857860	1647400	274530	1995
2894770	910990	1703540	280240	1996
3121500	1148270	1730230	243000	1997
3256580	1351110	1706530	198940	1998
3061660	1123040	1700530	238090	1999
3026731	1113433	1704947	208351	2000
3129400	1121792	1790374	217234	2001
2817921	948823	1635052	234046	-



A BC \$ 13 B 1

5 % + A 9 <

%; 14/

10 A B C 24.2.I

L 7%P' E "(1992 0 1100006 6 4(N # ' +B 8 .

; 0 300000 Q F # 2001

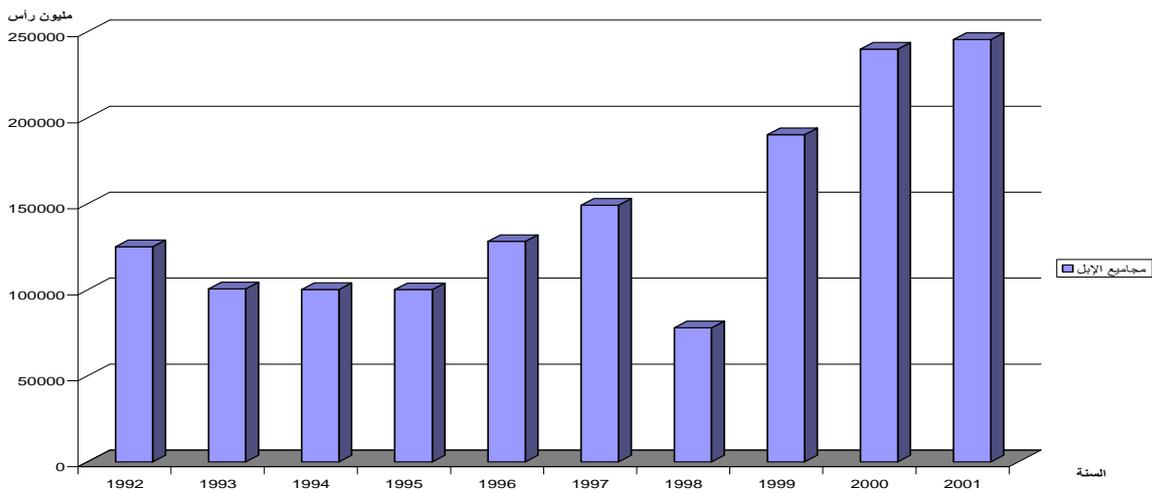
A +& +B 8) @5 14 + * >%6 !) S/2 4

;2001 L 7%1992 A +& /2 6 P' E "(6 ' '9 A 5' E H

10 A \$10 1

2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	%-
245484	240000	190214	78010	149210	128100	100100	100201	100510	125100	A 10

2005 ©.N.S= 9 4 I % , \$ 4



10 A B C

\$ 14 B 1

5 % + A 9 <

%; 14/

1 A B C 25.2. I

607%80000 " # 1992 Q /% N' . + 89 12001-1992- A +&

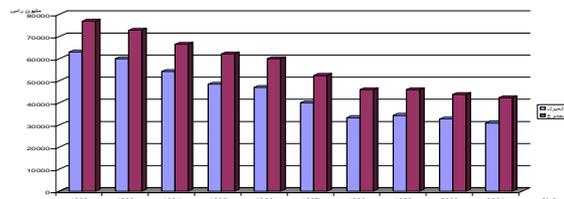
6 % 80 7% J + P' %5.7! A /% A) 2001 "(0 42342 @ 0

;15 + * +& 6 TN#& /2 8 94

1 A B C \$11 1

	, "U <4	1	
76940	13990	62950	1992
72800	12840	59960	1993
66510	12260	54250	1994
62160	13790	48370	1995
60000	13000	47000	1996
52370	12370	40000	1997
45990	12680	33310	1998
45980	11630	34350	1999
43828	11184	32644	2000
42342	11478	30864	2001
62938	13256	49682	-

2005 @O.N.S= 9 4 I % , \$ 4



1 A B C \$15 B 1

' B C % 5 , 9 < II

% 21. II

2001; L 7 1991 6 = " * I "(LC : 6 ! 16 + *

+ U C A E + 3 ' / ; 8' : 6 & 9 7 C) E + #

; 0 533520 + 7 1995 A + 0 0 669530 ! 0 1997

5 % + A 9 <

%; 14/

S/2 0 407480 ! 1996 : Q F # V E A 4(0 _
; 0 298938 ! 4 A 1992 A 4(+ 0 0 > 0

6 + 0 0 0 33543 ! A 1998 0+ 00 L E A #
; 0 270000 ! 1994

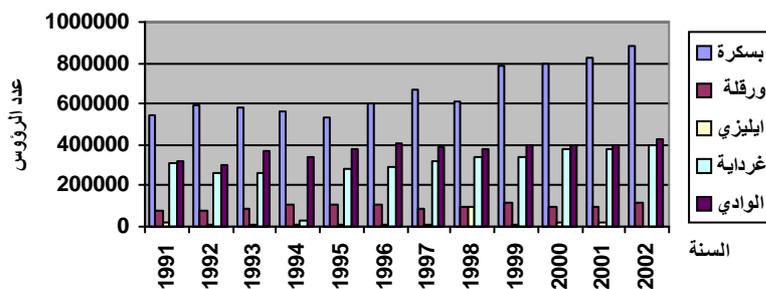
1994 : 6 07 A # >) C + A # (E 0
; 0 78510! A 1992 A + 0 0 > 111590!

0AJ F #VT / + = 5 7%8 /2) C "(A " % E 0
; 0 11850 ! A 1997 A + 0 0 16500! A 1991

B C % 9 D 5 % 3 A ' \$12 B 1

	?	'	'	B	-	D %
1271660	307000	319570	16500	81280	547310	1991
1247818	265710	298938	12200	78510	592460	1992
1310689	260640	371359	13200	85890	580600	1993
1296742	270000	343572	13200	111590	558380	1994
1310003	278100	375623	13200	109540	533520	1995
1415700	292000	407480	13240	102410	600570	1996
1477250	323650	384480	11850	87740	669530	1997
1434800	335430	381580	13730	93550	610510	1998
1655102	338942	399520	14500	120040	782100	1999
1692934	380321	402655	16200	98552	795206	2000
1717390	382221	398820	15799	99520	821030	2001
1853337	400213	430050	17950	120001	885123	2002

2005 @.N.S= 9 4 I % , \$ 4



B C % 9 D 5 % 3 * T " \$16 B 1
@ W ? W # W B W - = '

3 22. II

;2001 L 7%1991 6 " * I A E "(4 : @5 17 + *

: 6 0+ U C A E 4 : "(7 C + #) E = -

; 0 3210 ! 1993 + +0 4230 " # 1997

0 2010I A 1998 06 F# 4 : 6 T WE G) C "2 E -

; 0 1170 "2 A + 0

+ 0 0 0 1950! 1992 0A E 00 + # L E -

; 0 700! A 1997 A

0 1740I) 1991 A 4(' 5 A 6 4 : 6 G E _-

; 820 A 1997 A 4(+ 0

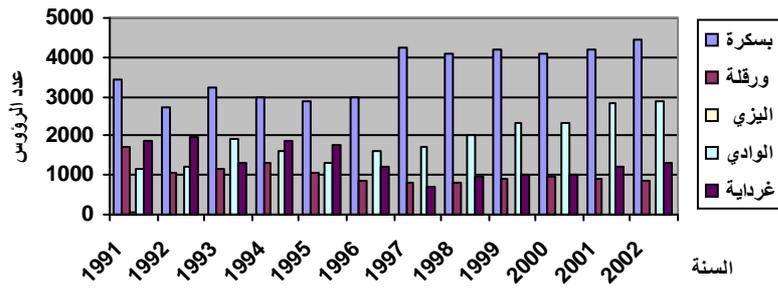
A 606 # "(V1992 : 10 1991 + 0 30 U G E "(% E K -

; 49 5 8 W 7%8 /2 > 4 0+ "

B C % 9 D 5 A ' \$13 B 1

المجموع	غرداية	الوادي	اليزي	ورقلة	بسكرة	الولاية السنة
8250	1860	1170	30	1740	3450	1991
6925	1950	1215	10	1040	2710	1992
7635	1320	1935	-	1170	3210	1993
7814	1880	1624	-	1320	2990	1994
7035	1790	1315	-	1060	2870	1995
6670	1200	1614	-	860	2970	1996
7480	700	1730	-	820	4230	1997
7890	970	2010	-	830	4080	1998
8444	994	2320	-	920	4210	1999
8411	1005	2356	-	945	4105	2000
9172	1231	2833	-	892	4216	2001
9516	1321	2894	-	880	4421	2002

2005 @.N.S= 9 4 I % , \$ 4



B C % 9 D 5 * T " \$ 17 B 1
@ W ? W # W B W - = '

" 23. II

;2000 L 7%1991 6 = " * I "(: 6 ! 18 + *

U/ 1994 6 + 0 " * I "(: 6 0G E
; 0 259968I 1992 6 +0 0 381865

1998 A A 0 V : 6) 2 G " V L E

; 0 62870 ! 1991 6 4(+ +0 0V 0 158600 ! A

A A 0 VT 2% 6 E / /2 : 6 G U C "2 E

; 0 90900 ! A " 1996 A +0+ 4 V 0 15700 ! A " 1996

; 0 152870 ! A 1998 (0A : 6 #) E

; 1994 0 117490 ! A 4(+0 0

; 0S/2 0 20350 11998b1997 -" +& + (% E A) C "(

; 0 13900! A 1994 A A +0 0

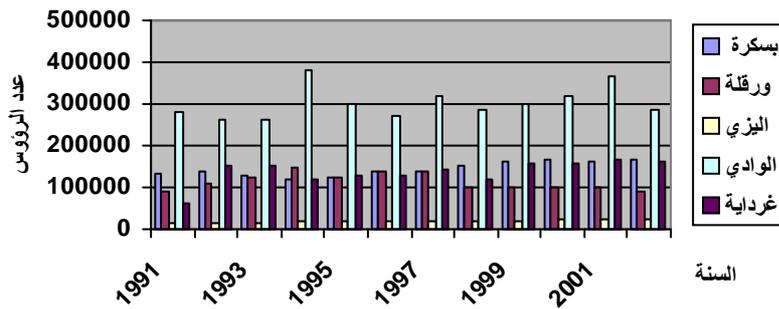
5 % + A 9 <

%; 14/

B C % 9 D 5 " A ' \$14 B 1

المجموع	غرداية	الوادي	اليزي	ورقلة	بسكرة	الولاية السنة
579380	62870	279060	15000	90900	131550	1991
674248	151140	259968	13900	111700	137540	1992
680869	151140	261739	13900	124820	129270	1993
783065	120000	381865	17100	146610	117490	1994
721898	129600	298108	17100	155270	121820	1995
725049	129600	271419	16670	157300	136660	1996
734970	143000	320000	20350	130880	137970	1997
677980	118600	287410	20350	98750	152870	1998
739542	158600	300520	21050	99451	159921	1999
767236	159000	320021	23152	100540	164523	2000
821866	165230	368210	24002	100201	164223	2001
729472	162450	284561	24230	90021	168210	2002

2005 @.N.S= 9 4 I % , \$ 4



B C % 9 D 5 " * T " \$18 B 1
@ W ? W # W B W - = '

1 0 24. II

2001 1991 " 6 " * I "(LC : 7 A0 9 " A 9 20 6 !19 + *

A A W C A E L 7 + B 6 +=2 7 C + # E

; 0 17009! A # 1994 A + 0 0 0 35640! A " 1991

A + 0 6 # "(0 19680 ! A 1998 A W 0 "(E " W

; 0 9820I A 1991

12649 ! A 1997 A 0 + B : 6 T W E G U C "2 % E

; 0 6500 ! A 1991 A 4(A + 0 0 0

0 0 5800! A 1992 A A 0 W + B : 6 G U C "2 L E

; 0 3910 " # ! A " 1993 "(A 4(+ 0

0 1993 + 0 0 1470 " # ! 1998 0+ 4() C) E

+ 012002-1991- 6 = " * I "(J : 9 @5 !12 +

8 0 > 0 1853337 A 12002- A 0 0 1247818 A 11992- A A

0 605519 3 (

+ 012002-1991- 6 = " * I "(4 : 9 @5 !13 +

3 ' 0 0 9516 A 12002- A 7 0 0 6670 A 11996- A A

; 0 2846

+ 012002-1991- 6 = " * I "(: 9 @5 !14 +

3 ' 0 729472 A 12002- A 7 0 0 579380 A 11991- A A

; 0 150090

+ 012002-1991- 6 = " * I "(+ B : 9 @5 !15 +

19971 + 3 ' 0 63030 A 11991- A 0 0 43059 A 11993- A A

; 0

" * I "(6 W B AE& W) ' S/2 "(P ' J : "(A J S/2

;) "(+ & E 0 & =

; I A E "(P /2 4 ' 4 : 7 0 9 " A J 7% (5B

5 % + A 9 < %; 14/

1/2 "(2E 7 %8 = " * I "(: "() A 0

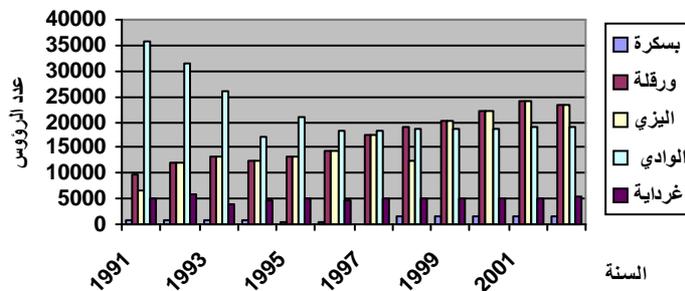
; E "(P

; "(+ * 7% (+ B 8 7 A0 9 " A J 0

B C % 9 D 5 10 A ' \$15 B 1

المجموع	غرداية	الوادي	اليزي	ورقلة	بسكرة	الولاية السنة
63030	5070	35640	6500	9820	600	1991
58550	5800	31500	8300	12170	780	1992
52175	3910	25909	8300	13380	680	1993
43059	4500	17009	8300	12570	680	1994
47515	4640	20925	8300	13250	400	1995
49367	5000	18237	11640	14190	300	1996
53228	4780	18191	12649	17415	193	1997
56430	4930	18530	12420	19080	1470	1998
59794	5020	18542	12511	20065	1420	1999
59943	5111	18600	12540	22130	1562	2000
62089	5210	19002	12310	24003	1564	2001
61703	5321	19100	12550	23165	1567	2002

2005 O.N.S= 9 4 1 % , \$ 4



B C % 9 D 5 10 * T " \$19 B 1
@ W ? W # W B W - = '

B D 5 , 9 \$III

! M= & 8 9 ! 16 + +& 6

-2003- " A 60 7 %1995-1994- +& 0 85800 A (" J :) A -

; 0 87540 4 3 ' 0 > 0 154000 12004

5 % + A 9 <

%; 14/

; 0 438 " # 3 ' Q /% 4 : "(A -

12004-2003- L 7 % 1995-1994- " "(0 56579 A 4(: 0 -

;) C A "(. + B 0 -

!+) 7 % 8 P C . : "(A J S/2

' # 3 9 -

6 94 "# #' -

= #B <] . & " -

B D 5 , ' \$16 B 1

الإبل	الماعز	البقر	الغنم	النوع الفترة
12570	146610	1320	85800	1995 1994
13250	155270	1160	111590	1996 1995
14190	157300	860	109650	1997 1996
17512	130880	820	110241	1998 1997
19081	98750	830	8877	1999 1998
12540	100200	880	93550	2000 1999
24203	98760	899	120045	2001 2000
26321	100520	904	99520	2002 2001
24003	123015	900	130211	2003 2002
23165	90031	882	145000	2004 2003

2005 @.N.S= 9 4 I % , \$ 4

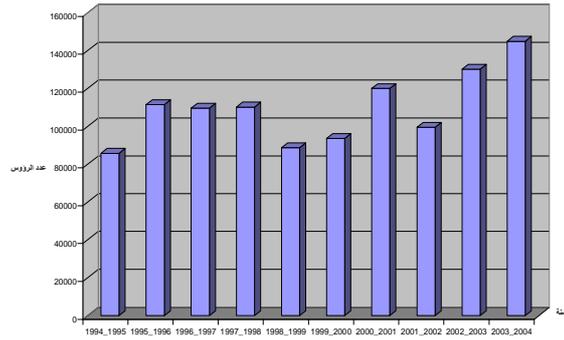
III-1. الأغنام

N /2 "(7 C + #) C S/2 E + J : @5 !20 + *

L 7 % 1995-1994- 6 "(\$/ @5 0") C +) "(

X) C) ' "(6 + 0 111395!) /% 2004-2003) (" (00) A 12004-2003-

; 0 87540 ! /% 6 6 3 ' 1997 -1996



B D 5 % 3 * T " \$20 B 1

22. III

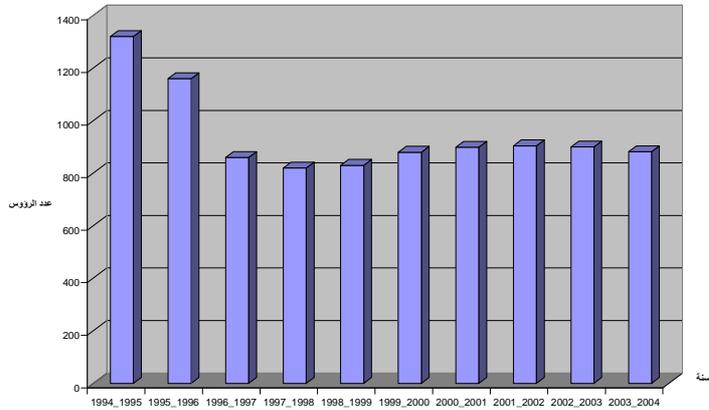
) "(A G 2 60 N#&) C +& 6 ; E + 4 : @5 ! 21 + *

11997-1996- " (" 4 G 2 12004-2003- L 7%11995-1994- A ' +& 6 4

Q /% H' + F #2004 2003 "(A (" A "(0;11998-1997-

; 541 I 4 :

; 0 541 I 2004 2003 6 + 0 1060 A /%1995-1994 "() A



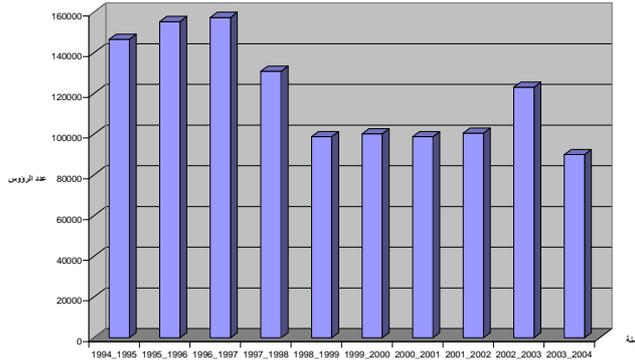
B D 5 * T " \$21 B 1

" 23. III

-2003- L 7%11995-1994-) (" E + : "(A @5 ! 22 + *

;12004

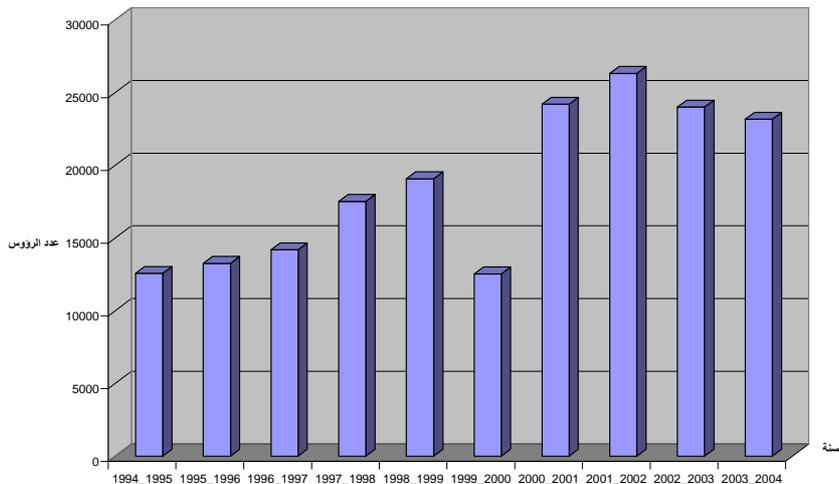
7 %1998-1997- A "(H' A(/%A "(%A N#&) C +& 6
 11998-1997- 0 119895 6 0 148800 AJ (8 A0 F #12001-2000- L
 I 4 11998-1997- "(A) +0 0 156200 ! A /%1996-1995-) ' "() 0A
 ;I # # \$ %"(+ E "(> 0 58450



B D 5 " * T " \$22 B 1

10 24. III

-2003- L 7 %1995-1994-) (" E 4 : "(A @5 !23 + *
 ") 0A /%+# + +&) "(\$ N) C +& 6 ;12004
 12448 4 3 ' 0 0 132311 11995-1994- A (+0 0 0 25679 I 4 12004-2003-
 ; # \$ %"(E "(+B + N # 6 # /2 0



B D 5 10 * T " \$23 B 1

. ; = I * F0 # + > 4 6 6 = "(LC
 " # = I 6) A 2 "(2) E 4 / # 6 #
 1ITA MOSTAGANEM 1978- ; # 6 A " # 06(#
 ; # A F&0 6 4 # \$ %6 00\$ B "(2 LC # +# -
 ; = I 39 " # \$ +B -
 "(8 N 7 /2 V(/LC " 7 6 " # \$ B -
 ;) 9

الفصل الثالث التحري

B 8 +4 \$I

; C & 6 7 @= /

E @ / U #%+ # 0 A

49 "(# 8 "(@ / /2

AB 21. I

1982 T# (9 7 2 6 2 7 84 @ /

+ # / 8 0T&J %+ ` " @ / < 2 1500 ! 4 # @ / + #

;7 " A&5' I H C * % 9 4 + 06 G / \$ (

B 8 5 - 1 - 22. I

; . ' -4 (L -3 @ / -2 I -1

9 23. I

1;A 03& - # 6 - 9L 5 - 9 - @ / += (



5000R1 \$ -

الشكل رقم (24): B D 8 AB

8 AB +4 24. I

! @/ # # 4 ; 8 6) D 6 8 d #

1A B 6 -9 @9 A/ "2 @/ 7 # # V+J 94()# # 7 # @/

+ 9 %8 85 (L (L 7 G/ # # ;A&5') /4 S \$ +

;@/ +# 6 7 + : %P (-@/ + =

B 8 51 - . II

1 21. II

@/ 6 + : & 26 : + 6 + : + (T# @/ < 00& 38 7 E @/ 5

. N + CG/ 4 e (% +4 + #9 I 4 + C 0 8 6 : + 6 5#

;T +4 A (N 7 + : < + 6\I J "(> 9 ' . 9 6 6

;6 #) 9 "(" "4 6 0 9 7% (5B

8 9B 22. II

L 7% @/ 6 < # # 0 L 7% < 6 6 < @/ 0

; K 7% + (6 @/ A . + + ' + "(/2 + #

8 - 23. II

6% 4 6 / G / + B 6 / 45 + /2 Q 54005 4 @/ 6%

C 6 5 * "(0 W 0 0 8' @/

8 : 24. II

= @/ 1 V LV 4- 0&0 P ` (># A "(A #) 5 @/ 6%

"(6 # 6 X 9 5 6 @/ +D 0;1 - 4 S Y 5

6 N 6 # + (VI 8 4 # T -3 +' 0@/ V. 7% 0 + # X

! K7%P 6 .) S/2 3 J 6 0 *04 . 9

"2 +B(@=/ # ' @/) "(3 ' /2 6% 10 > J 15 > 4 30 > D 45

; # J 0 CA +0 + 906 A " (# C

1 A : 25. II

7% 4 +E 4 + 2 6# "(6) * +4 %+ 4 EX J X"

4 P 0> U 0 . LU# A #* + +4 V6 +4 + 4/1 2/1

; 0 + ` <"* ' 'N 6

0; 8 9 A *) * P 0@/ + . ' 4C J ! -

;7 +B

8 5X%26. II

<' U @/ + 7% (5B >A ' 6 + C < . N +

G& E + + 9 I 9 3# 6 (N 7 N(# 2%

;@/ # B 27. II

G E) # # ; # 8) * 6 + #9 I 4 -

B 58 - &). III

Y - Y* % 21. III

6 6 E /2 "(;6 = 4 = < * 4 6%

!P 0F&07% 4 9 6 6

; = 6) * 8 4 5 -1

3 C "(8 A # 85 4] H 0-2

; & E 3 C 7%A # + # 6 4 4 -3

"(6 2 6 6 KP G 2 ; B 39 + 6 A # * 6 / W 6 / 6

A J 6 J <E:2 /LC . & C 9 " 7 G / "(6 6 A

"(8 5' C 6 60. + ("(< * 6 4(>+ ' . & 9 C

;A ' C 6 60X A CX< *

, 22. III

Q 2005 "(E A <#%+ 7 334 E "(6 0

;1R.C,2005- !6 "%6 4 118 "(6

L - -

+) P C 8 7* 4 "% U E + + C P

; 3 Z " , " %A 5 E 21.2. III

;3 C 9 + 6 2 11 0

6 <E:2 @=/ 3(@5 17 +

T / " = # 2 J # -

8 4 E -

! + # 8

Q 17228 + A (+B 0 4 # 6 Q 34507 J # 6 Q 70834-

+ ("(0X '(V7(V V (V K * "(A # 6 G 60N#&

; . + ("(G (+B # 0, 4 J # /2 8 + < *

; A '* 9 8 6

; 3 Z " , " %A 5 E ' %- - \$17 B 1

2\$ B				1 \$ B				3
1 0		%R				%		
@, =,	* T "	@, =,	* T "	@, =,	* T "	@, =,	* T "	
1000	3	5972	245	1760	10	5720	240	Z/%
1000	3	5641	190	1450	8	5410	185	' / 5
1000	3	2899	140	1050	6	2899	140	*
924	2	3210	136	700	4	3210	125	1 5
2054	8	500	20	1050	6	502	24	.
2054	8	645	28	875	5	644	26	,
2054	8	994	36	1050	6	801	30	
2054	8	705	30	700	4	621	27	9)
1620	04	520	24	1050	6	520	24	-
1620	4	6520	310	1425	7	6520	310)
924	2	3520	155	1600	9	3520	155	5 %
924	2	5201	197	1789	11	4140	180	-
17228	55	36327	1511	14499	82	34507	1466	

5 % 3 A 5 E 22.2. III

3 C "(6 S 24 2 0

;6 <E:2 @= / 3(A J 20 @5 18 +

6 <E:2 6 5 = 2 J # -

P E # 60 -

! # 8 + 0 ; 4 # 00 "("W+B # -

0 2250 +B # 0 2445 + P 4 # 6#"(0 11078 J #

+ B 0V J V 4 # "(/2 "" V V (V 0 * "(A G& &

; 7'* 9 6 P /2 6 6 4 ;. + ("(A (

5 % 3 A 5 E ' %- - \$18 B 1

الجزار رقم : 1						الأشهر
الإبل		البقر		الغنم		
الوزن = @	عدد الرؤوس	الوزن = @	عدد الرؤوس	الوزن = @	عدد الرؤوس	
250	1	250	1	1400	70	جانفي
250	1	250	1	400	20	فيفري
250	1	250	1	489	25	مارس
250	1	250	1	400	20	أفريل
00	00	00	00	400	20	ماي
00	00	00	00	389	18	جوان
00	00	00	00	400	20	جولية
250	1	315	2	400	20	أوت
250	1	315	2	1700	80	سبتمبر
250	1	315	2	1700	80	أكتوبر
250	1	250	1	1700	80	نوفمبر
250	1	250	1	1700	80	ديسمبر
2250	9	2445	12	11078	533	المجموع

% 5 E ? 23.2. III

"(<#0+ "(* P /2 1) # V3 4 H V<5 V< # # -

' W<5 < # # 6 T 8 4 ; 83 2 0 6 2005

21 20 19 + 9 # (F # 3 C J A ") C S/2) # "% (5B

AE # 6 <E:2 8 A "(7 C J # +# @= / 3(6 22

!'

; Q 1254,75 - 0 Q 17475 + B - T 0Q 7265V 4 - Q 11643,62 J -

% 5 E ? ' % F5 - \$19 1

2 B								1 B								
1 0		"		%		%		1 0		"		%		%		3
Ⓔ =,	* T "	Ⓔ =,	* T "	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	
					* T		* T		* T		* T		* T		* T	
3	1300	9	142	4	1000	65	1750	2	1000	10	150	4	1000	60	1560	7'
3	1300	10	150	4	1000	65	1750	2	1000	10	150	4	1000	60	1560	' (
3	1300	9	142	4	1000	65	1750	2	1000	10	150	4	1000	60	1560	
3	1300	7	124	4	1000	65	1750	2	1000	7	124	4	1000	60	1560	+ (
5	2000	7	124	0	0	18	345	4	1500	7	124	0	0	18	345	
5	2000	0	0	0	0	15	289	4	1500	0	0	0	0	12	246	6
5	2000	0	0	0	0	15	289	4	1500	0	0	0	0	12	246	
5	2000	0	0	3	750	15	289	4	1500	0	0	0	0	12	246	A K
2	1000	7	124	3	750	25	566	2	1000	7	124	3	750	25	566	
2	1000	7	124	3	750	25	566	2	1000	7	124	3	750	30	780	(
2	1000	7	124	3	750	25	566	2	1000	7	124	3	750	30	780	(
2	1000	7	124	3	750	25	566	2	1000	7	124	3	750	30	780	
38	17200	67	1178	28	7000	423	10476	32	14000	69	1194	28	700	379	13329	P

% 5 E ? ' % F5 - \$20 1

4 B								3 B								
10		"				%		10		"				%		3
Ⓔ =,	* T "	Ⓔ =,	* T "	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	
					* T		* T		* T		* T		* T		* T	
3	1300	10	150	4	1000	60	1560	3	1300	4	162	4	1000	65	2000	7'
3	1300	10	150	4	1000	60	1560	3	1300	4	162	4	1000	60	1560	'(
3	1300	9	142	4	1000	60	1560	3	1300	4	162	4	1000	60	1560	
3	1300	8	124	4	1000	75	2700	3	1300	4	162	4	1000	65	2000	+ (
4	1700	8	124	0	0	12	246	5	2000	4	143	4	0	15	344	
4	1700	0	0	0	0	12	246	4	1700	4	143	0	0	12	246	6
4	1700	0	0	0	0	12	246	4	1700	0	0	0	250	14	300	
4	1700	0	0	0	0	12	246	4	1700	0	0	1	250	14	300	A K
2	1000	7	124	2	700	30	780	3	1300	3	8	1	750	25	566	
2	1000	7	124	2	700	30	780	3	1300	3	8	3	750	35	850	(
2	1000	7	124	2	700	30	780	3	1300	3	8	3	750	35	850	(
2	1000	7	124	2	700	30	780	3	1300	3	8	3	750	35	850	
36	16000	73	1186	24	6800	423	11484	41	17500	41	87	30	7500	435	11426	P

% 5 E ? ' % F5 - \$21 1

6 B								5 B								
10		"				%		10		"				%		3
Ⓔ =,	* T "	Ⓔ =,	* T "	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	Ⓔ =,	"	
					* T		* T		* T		* T		* T		* T	
3	1300	10	150	3	750	65	2000	3	1300	10	150	3	750	60	1560	7'
3	1300	10	150	3	750	65	2000	3	1300	10	150	3	750	60	1560	'(
3	1300	10	150	3	750	65	2000	3	1300	10	150	3	750	65	2000	
3	1300	10	150	3	750	65	2000	3	1300	8	143	3	750	65	2000	+ (
4	1700	0	0	0	0	12	246	5	2000	8	143	0	0	15	350	
4	1700	0	0	0	0	12	246	5	2000	0	0	0	0	15	350	6
4	1700	0	0	0	0	12	246	5	2000	0	0	2	700	15	350	
4	1700	7	124	4	1000	12	246	5	2000	0	0	2	700	15	350	A K
3	1300	7	124	4	1000	30	750	5	2000	9	149	3	750	25	566	
3	1300	7	124	4	1000	30	750	3	1300	9	149	3	750	35	850	(
3	1300	7	124	4	1000	30	750	3	1300	9	149	3	750	30	750	(
3	1300	7	124	4	1000	30	750	3	1300	9	149	3	750	30	750	
40	17200	75	1220	32	8000	428	11984	46	19100	82	1332	3	7400	430	11436	P

% 5 E ? ' % F5 - \$22 1 ;

8 B								7 B								
10		"				%		10		"				%		3
Ⓔ =,	* T "	Ⓔ =,	* T "	Ⓔ =,	* T "	Ⓔ =,	" * T									
4	1700	10	150	3	780	68	2000	3	1300	13	162	4	1000	60	1560	7'
4	1700	10	150	3	780	68	2000	3	1300	13	162	4	1000	60	1560	'(
4	1700	10	150	3	780	68	2000	3	1300	13	162	4	1000	60	1560	
4	1700	9	142	3	780	68	2000	4	1700	7	124	4	1000	60	1560	+ (
5	2000	9	142	0	0	18	345	4	1700	7	124	0	0	60	1560	
5	2000	0	0	0	0	12	246	4	1700	0	0	0	0	19	360	6
5	2000	0	0	0	0	12	246	4	1700	0	0	1	250	13	250	
5	2000	0	0	0	0	12	246	3	1300	0	0	1	250	13	250	A K
4	1700	8	124	3	760	25	566	3	1300	0	0	3	750	30	780	
4	1700	8	124	3	760	3	780	3	1300	7	124	3	750	30	780	(
4	1700	8	124	3	760	30	780	3	1300	7	124	3	750	30	780	(
4	1700	8	124	3	760	30	780	3	1300	7	124	3	750	30	780	
68	21600	80	1230	24	6160	441	11989	40	17200	81	1230	30	7500	418	10245	P

(9 23.III

6 3 >< + @' " 3 2 3 6 * 3 0) E "(

60>@/ 3 7 " 3 G 2> + @' " 0 L 3 >6 0+ " 03 <5

;) U 0A E) 6 A # S/2 V E <#08 A #)

;) 6 V ' V (KVH V * V< ' 6 V V 6 T J P

+4)# #* P C "(A&# 10 7 07+ 6 VA #* 9 A # S/2 +4

; 0 77! 4

6 ' 00 2 60 L V3 "(6(? 8 6 0C 2\$ 8

;

6 # 4 A #* 9 0A&# 04 7 02+ ' VA E 6 0I 4 P 0

; : 05 7 04

6 A # S/2 I 6 #C H "(;) # V+ V 6 "# P T N "(P

; P 0, 0 40 7 30+ 2 L 9 LC E

"(A&# 04 7 026 A&# 4 # " V' 6 0 +B 8

3 ` # 6 6/ 6 6 + 4 ; : 05 7 04 6 + # #* 9 VP C

;A # < * 3 C S/2 7%6 : 6 H G 2 G/ V

+ @/ E U "(; # # 6 F# @/ + A # S/2 @/

!"2 A # 6 P 03 G 2 ;6 . 9 6) * 0

! 9 21.3.III

45 A # S/2 6 G 7 5 ' 39 "(

; # + + 6 (5

- 9 22.3.III

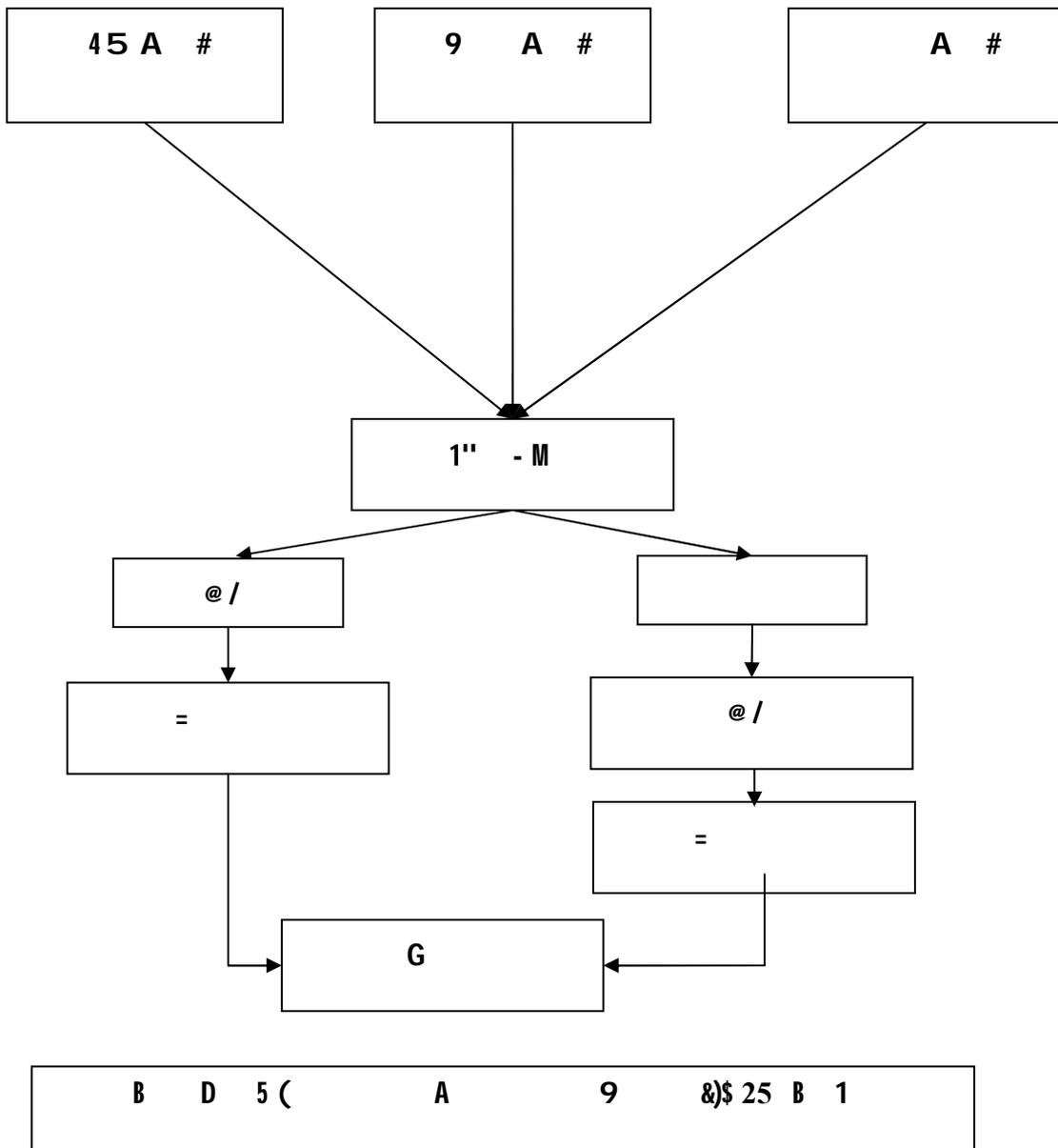
G B @= / # 60V6 6 A # < * 4 / 60

; #

- 9 23.3.III

A # < * 6 4 6/ >6 K<9 6 6 60>U 6 "(2

;@/ 0+ X6 C /2 " = X6 2 X) J



A E 4 .IV

[%- F5 21.IV

25! + * & 6 E "(A 0" A # + # 6%

;+ > > L> 4 > @= / 7 3(T& 6

4 A S/2 +& = # 2 J # 60 @5 !25 + *

;691116.80 A 2004 A +0 69 2285.12 1996 G& & 0A /%U C

1995 A +0 69 761.02 A 1997 0A /% 4 # A 0

1992 # 6 0A 4 # 00 "(" W(+B # 0;69 263.53 A

) C "(= 74 # ;69 255.5 A 1995 A +0 69 531.195 A

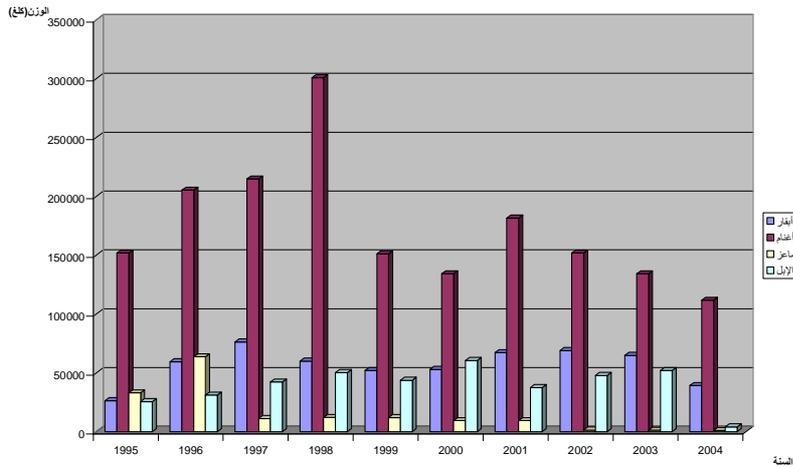
2004 A +0 69 63.59 A 1996 A A 0 >U C #

- !"] 2 ' 89 C P ` # / # A "(. & B /2 ;69 8.83 A

;^%;; # 0- I 9 H 7 S OW G "=/J 3 /

21 # W%? W " W \$8 ' %- F5 \$23 B 1

10		"		%))		%
Ⓔ =,		Ⓔ =,		Ⓔ =,		Ⓔ =,		%-
25550	1345	33020	2500	151923	79960	26352	2170	1995
31120	1688	63592	5202	205254	82450	59492	3242	1996
42120	2256	11190	1280	214735	87321	76162	6626	1997
50119	2825	12045	1263	300932	92192	59972	3226	1998
43691	2390	12025	1245	151123	69608	52023	3022	1999
60570	4683	9352	935	134166	60238	52880	3046	2000
37420	2064	9395	940	181466	85724	67253	3257	2001
47760	2608	1385	923	151820	79903	68890	3985	2002
51890	2807	1183	821	134166	66031	64880	3689	2003
4089	2219	883	132	111680	38181	39199	2278	2004
39432,9	2488,5	15407	1524,1	173726,5	74160,8	56710,3	3454,1	-



% 26 B 1

4/ F5 22. IV

2003 %\$ 8 4/ F5

+ # 8 + (2 LC @ / T (0 / + ' 60 ! 27 + * +& 6

%19,22 Q F # . + (2 @ = / T (4 / + ' 0%28,4

. + ("(6 + %32,29 2 4 8 + ("(T 0Q @ / (4 # 0

;%18,82 I 4

" (+ # + %43,75 %33,36 2 4 . + ("(# 7 0Q (+B # 0

I A # /%8 + (" (+ A (+B 0 "(/2 %16,99 I . + (

%21.15

A 4(0 0 Q 114747 2 7 C J # + # . + ("(

; Q 1554 4 Q 45153 " # 4 # A (00 Q 56000 2 4 + B

I 4 # T 6 # "(Q 102763 I A C 4 + # / J # = < * + ("(

; Q 1225 I) C ""(0Q 39386,66I + B # 00 Q 66253

'

; 14/

2 4 * T (4 0 0 115540 6 7 C + # / J # 8 + ("

I 00 A # (+ B 0 5 + +& 4 # 72 0 76293

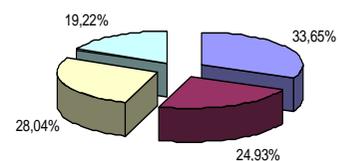
;0 1056 0 0 36600

2003 %- (4/ F5 \$ 24 B 1

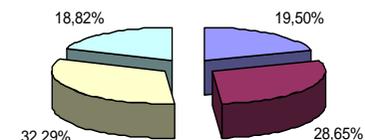
10			"						%			%
-%	@, =,	* T "	-%	@, =,	* T "	-%	@, =,	* T "	-%	@, =,	* T "	14/
43.75	56000	302	33.36	1554	105	19.5	45153	230	33.65	114747	6079	+
22.77	39386.66	259	26.5	1225	82	28.65	66253	358	24.93	102763	5530	(
21.15	36600	199	22.85	1056	69	32.29	76293	409	28.04	115540	6183	A
23.69	40986.66	222	16.99	785	53	18.82	43526	234	19.22	7920	4219	+ 4

2005 B D -B \$ 4

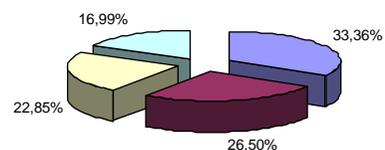
القم



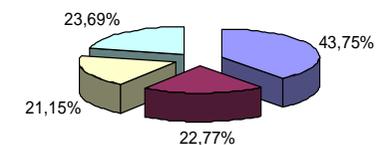
البيقر



الماعز



الإبل



الخريف ■
الشتاء ■
الربيع ■
الصيف ■

2003 %- (4/ F5 \$ 27 B 1

2004 %-\$ 8 4/ F5

T (Q / + ' 601 > L > 4 F&0 P C + 06 T0+ 4 89 !28 + * +& 6
+ 0%57.9 0 % 30.04 4 > L %31.9I " 7 4 @/ . + (2 0@= /
!@= / T(+4 / + ' ;1%9.09 % 19.75- J " 8 -
< * + (2@= / T(0 / + ' 6(+D 0;%16;fg 4 4 . -
;. + (2@= / T(+4 / + ' 6%%38.52 4
6 A +0 >Q 75049 / J # T# @= / 6 # 060U . + ("(
;H 6 001 9 6 60 9' 65 * T4(+ ' /2 >Q 2525 A #
A (+0 00 55340 " # A 50 J # 6 @= / 6 # 0< * + (
;7#5C T + ' /2 0 670 A # 3
;Q 41.5 # A +0 00 4604 7 C J # +#) "(8 + (
;Q 805 # +0 0 5880 4 = 2 J # = . + (
49 E 7% (5B 8' I 9 7%8 /2 = 2 J # 60+ ' + +& N#
6 I J "(= (# 0; ' 4 A / *C 6 5 "(
;1 = - 3 5 +&J &J

2004 %- (

4/ F5 \$ 25 B 1

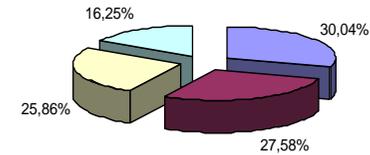
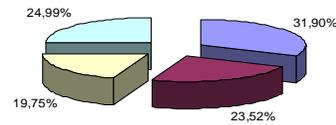
10			"			%			%			%
-%	@, =,	* T "	-%	@, =,	* T "	-%	@, =,	* T "	-%	@, =,	* T "	14/
18.62	345731	244	57.19	252.5	368	30.04	4606	128	31.9	750.45	75049	+
38.52	34581	184	15.17	67	48	27.58	4248	220	23.52	553.4	38370	(-
20.83	27142	148	9.09	41.5	28	25.86	3966	278	19.75	460.04	46040	A
22.03	30425	164	18.48	80.5	54	16.25	2492	135	24.99	588	58821	+ 4

2005 B D

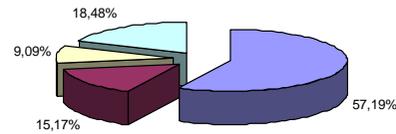
-B \$ 4

البحر

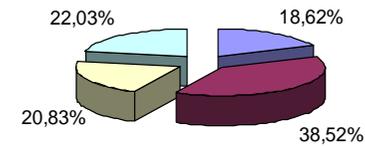
الغتم



الماعز



الإبل



- الخريف
- الشتاء
- الربيع
- الصيف

2004 %- (

4/ F5 \$ 28 B 1

(! "3 23.IV

/%G # 5 " №*#C 0< C H 0+ + XH W <5 C "2

>@/ "() /) <5 C S/2 # 89 / 9 S# V # "(A

;H C % 0C 2+#9

! 60 N + +& 6

7 0:) # <5 C S/2 60 ') # <5 C A 2000 "(-

;) * E 7#) * @/ @/ . 5 6 E / V

;) 7 L L . L -

;2 L ;;V+ V"= "2 H C 20 -

* 7% : A # "(A /%G # 5 C <5 C S/2 #

; 4 H C

4 ' A 6 = "2 A +& # 0C <5 C

; J

G 89 E 7# U 0 = 1grizile-) * <5 C S/2 6

;

2003 Z #2001 B D 5 (

(! "3 \$26 B 1

C -3	!		1		!	
	Ⓔ =,		Ⓔ =,			
+ .) "=	3012.32	6210	340	30	%	2001
	75	29	678	06		
	77	150	19	03	"	
	29.5	102	-	-	10	
	3193.82	6390	1037	39		
"= .) +	-	-	56	14	%	2002
	-	-	90	5		
	-	107	-	-	"	
	-		-	22	10	
	-	107	146	311		
"= .) +	-	6421	321.4	48	%	2003
	-	-	180	01		
	-	450	75	2	"	
	-	210	-	-	10	
	-	7081	576.4	49		

2005 B D

-B \$ 4

2000 (! "3 \$27 B 1

		1		"		%))		S %
Ⓔ =,		Ⓔ =,		Ⓔ =,		Ⓔ =,		Ⓔ =,		
3592.8	1762	294	42	4.8	06	1398	1398	1896	316	*
7399	13438	168	112	2	04	6377	12754	852	568	
53	38	00	00	00	00	35	35	18	03	S 1-
118.5	197	00	00	00	00	88.5	177	30	20	
1353	338	00	00	0	00	135	135	1218	203	+%
2500.8	1146	938	134	16.8	21	880	880	666	111	S) [)
6957	10874	1266	844	66	132	4611	9222	1014	676	
7499.6	3284	1232	176	21.6	27	2448	2448	3798	633	
14474.5	24509	1434	956	68	136	11077	22153	1896	1264	

2001 (! "3 \$28 B 1

		1		"		%))		%
Ⓔ =,		Ⓔ =,		Ⓔ =,		Ⓔ =,		Ⓔ =,		S
										*
1950.4	1203.5	189	27	14.5	18	1040.5	1040.5	706.5	118	
2652	4441	208.5	139	21.5	43	3969	3969	437.5	290	
										S
										1-
'	'	'	'	'	'	'	'	'	'	
45	90	,	,	,	,	45	90	,	,	
353	93	,	,	,	,	41	41	312	52	+%
										S)
										[)
601.2	334	182	26	15.2	19	266	266	138	23	
1619	2669	228	152	35.5	71	1145.5	2291	210	155	
2904.6	1630.5	371	53	29.6	37	1347.5	1347.5	1156.5	193	
4316	7200	436.5		57	114	3175	647.5	647.5	445	

(O.N.S) 2005 9 4 I % , \$ 4

2002 (! "3 \$29 B 1

		1		"		%))		%
Ⓖ =,		Ⓖ =,		Ⓖ =,		Ⓖ =,		Ⓖ =,		S
										*
3592.8	1762	294	42	4.8	06	1398	1398	1896	316	
7399	13438	168	112	2	04	6377	12754	852	568	
										S
53	38	00	00	00	00	35	35	18	03	1-
118.5	197	00	00	00	00	88.5	177	30	20	
										+%
1353	338	00	00	0	00	135	135	1218	203	
										S)
2500.8	1146	938	134	16.8	21	880	880	666	111	[)
6957	10874	1266	844	66	132	4611	9222	1014	676	
7499.6	3284	1232	176	21.6	27	2448	2448	3798	633	
14474.5	24509	1434	956	68	136	11077	22153	1896	1264	

(O.N.S)2005 9 4 I % , \$ 4

2003

(! "3

\$30 B 1

		1		"		%))		%
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3592.8	1762	294	42	4.8	06	1398	1398	1896	316	
7399	13438	168	112	2	04	6377	12754	852	568	
										S
53	38	00	00	00	00	35	35	18	03	1-
118.5	197	00	00	00	00	88.5	177	30	20	
										+%
1353	338	00	00	0	00	135	135	1218	203	
										S)
2500.8	1146	938	134	16.8	21	880	880	666	111	[)
6957	10874	1266	844	66	132	4611	9222	1014	676	
7499.6	3284	1232	176	21.6	27	2448	2448	3798	633	
14474.5	24509	1434	956	68	136	11077	22153	1896	1264	

(O.N.S)2005 9 4 I % , \$ 4

2004 (! "3 \$31 B 1

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₹ =,		₹ =,		₹ =,		₹ =,		₹ =,		S
										*
3592.8	1762	294	42	4.8	06	1398	1398	1896	316	
7399	13438	168	112	2	04	6377	12754	852	568	
										1- S
53	38	00	00	00	00	35	35	18	03	
118.5	197	00	00	00	00	88.5	177	30	20	
										+%
1353	338	00	00	0	00	135	135	1218	203	
										S)
										[)
2500.8	1146	938	134	16.8	21	880	880	666	111	
6957	10874	1266	844	66	132	4611	9222	1014	676	
7499.6	3284	1232	176	21.6	27	2448	2448	3798	633	
14474.5	24509	1434	956	68	136	11077	22153	1896	1264	

(O.N.S)2005 9 4 1 % , \$ 4

B D 5 (-) 24. IV

@= / V J # A /% U +0 E 0E%+ B # G& L

>2000 L 7%1995 / % 10.5) Q 60V E "(: 7%)

+ ' /2 2003 7%A 2001 %10 7% 6 H' A %19.8 AJ F

+ - ; U C + A E 6 2 L 4 # I I G / U * G& E + "()

7 I 9 6\() # < (> 9 # 4 6 =/L A/ # S/2 132

, ,Q 5! 4 E "(J # G& ;@/ A 4 7% : 4 . +B #

Q F #) C A "(N # ' # S/2 G& . 1996 /2 6

L ;Q \$ 61500 !6 007%12004-2003-) C A "(Q \$ 190000 " # 1993

; I 9 P' 7%8 /2) "(= LC # A4 < 5 #) #

+D 7 0 0>Q , \$ 60500 2003 J # 7 0+ 4(!32 + +& 6

;Q , \$ 50;\ \ \ ' "(+ (

C S/2 6 . '9 I 4 N# >h 6 A + +& "(C S/2 A

+ * T /2 Q , \$ 1.4 4 4 3 ' F # A H +& /2

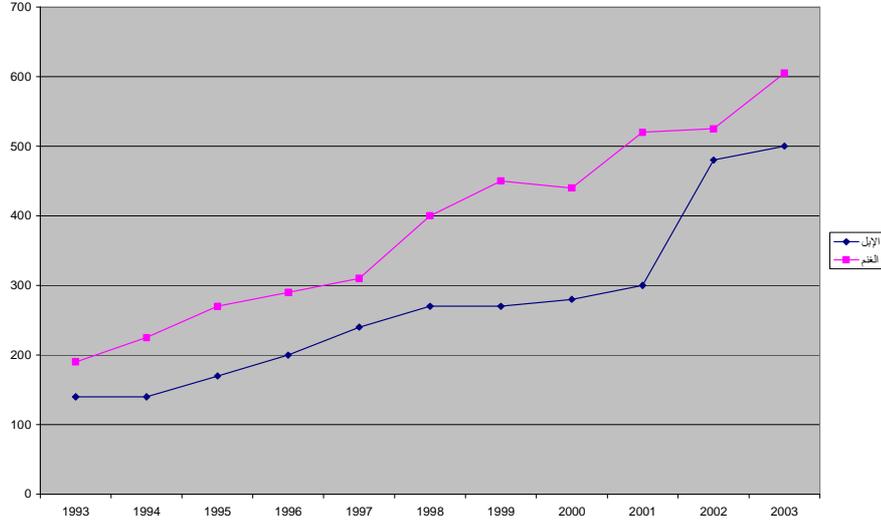
; # \$ %+ ` +B 7 * E 2 I 4 /2 ' 6

@G R = B D 5 %23 10 , ; 9 \$32 B 1

2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	السنة	
500.00	480.00	300.00	280.00	270.00	270.00	240.00	200.00	170.00	140.00	140.00	الإبل	السعر دج/كغ
605.00	525.00	520.00	440.00	450.00	400.00	310.00	290.00	270.00	225.00	190.00	الغنم	

2005 B D -B \$ 4

السعر/دج/كلغ



السنة

الشكل رقم 29: 9 ; , 10 3 % 5 D B R =

8 / X% 25. IV

OP' " V. & C 08 7* /2 ;%6 . 96 @/ A # 0 #

; ' 0 / < 5 C \$/2 6 5 + + 3 #* >6 # + 2 P I # #

8 / \$33 B 1

الإبل	الماعز	الأبقار	الغنم	النوع
700	100	700	150	تجهيز الذبح
300	100	3000	150	سعة الذبح
300	30	300	30	النقل
1300	230	4000	330	المجموع

2005 B D -B\$ 4

TC E + @/ I ; E "(6 6 . E @/
T% # + /2 V 0 7'* 7%6 6 4 6/ 6 8 +
; 5 <"*
0) * 6 8 E 06 + 6 65 * V C A "(T9* 6 . 5
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+ # U 0A 5 G < * U H' < # # 0 P' I
;A J =/J 4 '

الخبائمه العامه

V E + < # # 8 + # # " A4# " A +
!"] & 89
") J 7% (5B V E +) # 2E "(4 -
;G # 7 9 + *) C S/2 V E 39 8
6 0 ; # A # 6 6 6/ 6 6 0 N "(A # -
; # / 6 4 6 /
G " 6 + 4# -
4 / C /2 VG& & # < # # 5# T(60 >@/ " = 6 2@/ -
;6 P 0 8 7%
!6 5 * A C "() 6 # -
) 4 N ' " V C P' 7% : /2 = 74 I 9 H 6 6 -
; = *
7 P + # ' G& E T 89 ! E "(< # # G& -
;U #
7)2 + # " I A E + 6 94(E 60+ 4 89 0
; J # # (+B 2 +& 6 N# /2 " / <' E 7%G + %

A

-%/ A

- BEChAIMIA S.,1987. Circuit de commercialisation de la viande bovine et ovine au niveau au niveau de wilaya de Batna. Thèse d'ing, Agro. I.N.E.S.A, 83p.
- BESSAHRAOUI T et KERRZACH A., 1998. Les système d'élevage camelin dans la région du Hoggar. Thèse d'ing. Agro. I.H.A.S. Ouargla, 136p .
- BOMBAL J et CHALMIN., 1980. Cité par SADOUD M., 1998-1999. in Circuit de distribution des viandes rouges dans de Chlef. Thèse de Magis. Agro I.N.A. El Harrach. Alger, 4-5pp.
- BOUTONNET J.P et SIMIER J.P., 1995. Cité par SADOUD M., 1998-1999. in Circuit de distribution des viandes rouges dans de Chlef. Thèse de Magis. Agro I.N.A. El Harrach. Alger, 5-9 pp.
- DELLAL L; 1992. Distribution de la viande rouges dans la ville d'Alger: Acteur Flux et prix. Thèse d'Ing.Agro I.N.A. El Harrach. Alger, 113 p.
- FAIZA L: 2001-2002. Contribution à l'étude de la distribution des viandes rouges dans la wilaya de Ghardaïa. Thèse d'ing. Agro.I.A.S. Ouargla, 88 p.
- FRRANDO R., 1965. Production de la viande, 19-20pp.
- JACKOUB M., 1990-1991. Circuit de commercialisation de la viande ovine dans la région de Djelfa. Thèse d'ing, Agro. I.N.A. El Harrach. Alger, 93 p.
- LASNAMI K., 1986. Le dromadaire en Algérie. Perspective de développement. Thèse d'ing, Agro. I.N.A. El Harrach. Alger,185 p.
- MEHAOUAT T., 2000-2001. Contribution à l'étude de la Distribution de la viande rouge (cas de la wilaya d'El Oued. Thèse d'ing. Agro.I.A.S. Ouargla, 81 p.
- MEKERSI S., 1989-1990. Les circuits de commercialisation du bétail vivant et de la viande rouge dans la région de Centre. Thèse d'ing, Agro. I.N.A. El Harrach. Alger, 150p.
- RICHARD D., 1985. Le dromadaire et son élevage I.E.M.V. des pays tropicaux Paris: Edition

Maison- Alfort, 163 p.

SADOUD M., 1998-1999. Circuit de distribution des viandes rouges dans la région de Chlef.

Thèse de Magis. Agro I.N.A. El Harrach. Alger, p 106.

SIMMOUR K., 1990-1991. Analyse de l'approvisionnement et de distribution de la viande rouge dans la wilaya d'Alger. Essai comparatif avec le département des bouchers de RHONE (France). Thèse d'ing. Agro I.N.A. El Harrach. Alger, 100p.

A

بورقة س و لونيس م، 1992-1991. مدخل لدراسة سبل التربية والخصائص الإنتاجية والتناسلية لسلاسل الإبل في

الصحراء الشمالية الجزائرية. رسالة مهندس دولة في الفلاحة الصحراوية . م.وت.ع/ف.ص. ورقلة، ص 53.

رقاب م و عريف س، 1995-1994. مدخل إلى دراسة سبل تربية الإبل و الأغنام والماعز في بيئتها الطبيعية الصحراء

الشمالية. رسالة مهندس دولة في الفلاحة الصحراوية. م.وت.ع/ف.ص. ورقلة، ص 35.

الملاحق

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!U 06 0- !6 6 - !3 6 -

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II F

1 #				2002 % (B % 4		
,		,		%))	,		%
54140	298	1165	75	116042	6300	71200	425	/%
26020	143	830	60	81684	4410	78870	428	' / 5
28180	154	705	47	106510	5732	76100	522	*
28660	157	722	38	103096	5559	77065	515	1 5)
32680	179	1720	100	106888	5752	57755	401	.
31300	171	1035	70	87996	4708	62720	405	,
40680	222	795	57	104716	5604	31420	113	
36780	200	990	72	106696	5716	39160	248	9)
40400	221	1260	95	124342	6667	46200	180	-
46880	256	1545	103	159956	8623	38200	259)
38900	372	1640	102	24544	13304	51100	270	5 %
43640	235	1545	125	139346	7528	41260	219	-
447660	2387	13952	964	1261816	74171	688960	3985	

2005@O.N.S= 9 4 I % , \$ 4

III F

1 #		2003 %		B V / %		4		
		%))		%		
43320	223	1200	80	75072	4073	53840	284	/%
28480	154	180	12	36980	2006	48400	252	' / 5
13840	75	210	14	24112	1314	37640	202	*
3324	181	435	29	48512	2374	33300	177	1 5)
34320	187	600	40	65498	3437	48040	456	.
29100	158	720	48	60438	3197	34340	183	,
29300	160	705	47	53666	2871	14960	82	
32140	175	990	66	62360	3080	2580	141	9)
41920	232	2355	157	56750	3083	14340	79	-
47720	260	2805	187	81706	5277	32000	172)
43600	240	2415	161	86692	4411	25800	135	5 %
31920	174	630	42	59894	3058	23840	124	-
408900	2219	13245	883	711680	38181	391980	2287	

(O.N.S)2005 9 4 1 % , \$ 4

IV F

1 #		2004 %		B V / %		4		%
,		,		,		,		
45380	245	1185	79	104958	6538	78720	245	/%
28880	157	825	55	103134	5537	78780	248	· / 5
35980	196	705	47	106806	5758	76100	411	*
33200	179	738	45	112738	6027	77060	415	1 5)
40620	221	1725	115	127026	6762	75720	401	·
39100	211	1035	69	108562	5774	62720	339	,
38240	206	810	54	64820	3455	21320	113	
45620	248	510	34	64230	3427	16540	248	9)
46660	253	1376	95	103114	5347	38160	173	-
51460	277	1546	103	135332	7260	46200	249)
69880	376	1740	116	105196	5630	51100	268	5 %
34900	237	1665	111	100198	5416	41260	219	-
518920	2807	13859	923	1326114	66031	693680	3689	

(O.N.S)2005 9 4 l % , \$ 4

%

4	%))	%
	,	,	
2 ? D R % R' ? 3	4114	4591	/%
2 % D R ? D R % R' ? 3	3632	1715	' / 5
2, % 3 R ? D R % R' ? 3	5901	5484	*
2+ -R ? D R % R' ? 3	2576	5236	1 5)
2 ? D R % D R' ? 3	5119	8519	'
2 ? D R' ? 3	6704	4971	,
? D R -)R' ? 3	1261.8	658.1	
2 ? D R' ? 3	2459.5	1307.7	9)
2 ? D R' ? 3	1930	2721	-
2 ? D R, % 3 R' ? 3	7705	23393)
2, % 3 R' ? 3 R+ -R -)	36703	27929	5 %
, % 3 R' ? 3 R+ -	6712.14	8999.14	-
84817.44		95523.94	

(O.N.S)2005 9 4 1 % , \$ 4

C -) 8	+ B ,	8 Z! ' C C * B	H +%	8]	8 %
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VII F

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