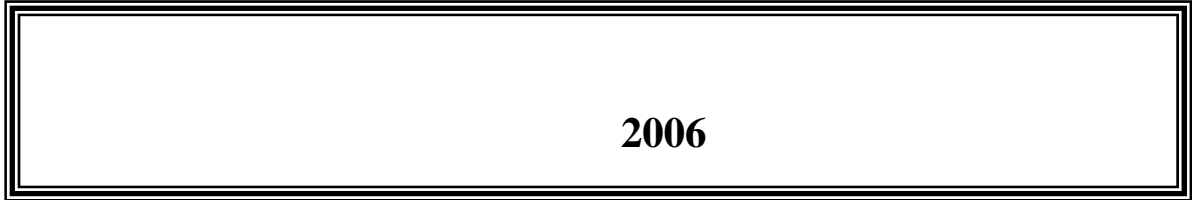


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1800300300 :

diwan@pcbs.gov.ps :

<http://www.pcbs.gov.ps> :



فخامة الرئيس محمود عباس "أبو مازن"

رئيس اللجنة التنفيذية لمنظمة التحرير الفلسطينية

رئيس السلطة الوطنية الفلسطينية







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<b>123</b>		<b>:62</b>
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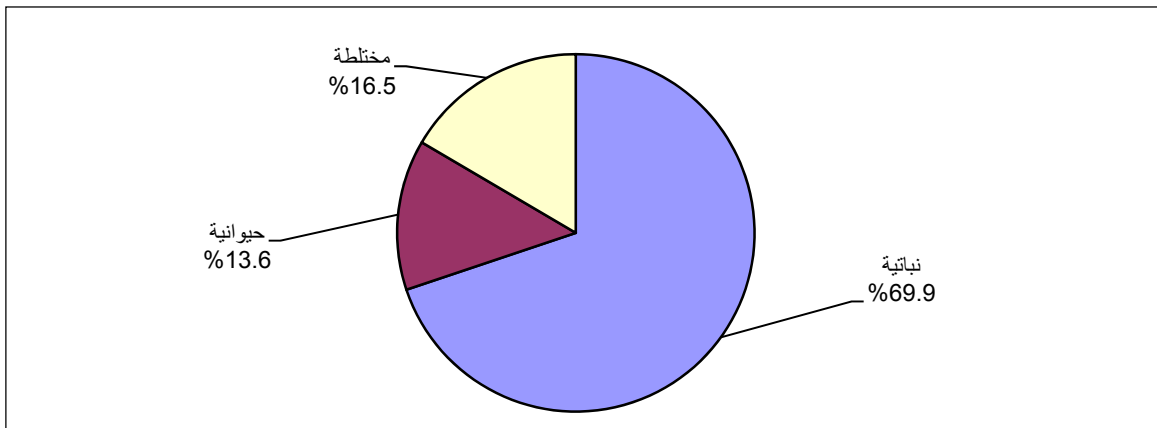


) 2010/2009 ( 2010/09/30 2009/10/01  
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 2,465  
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**2010/2009**



3,264  
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 135 %3.8  
 %92.5

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 %2.4

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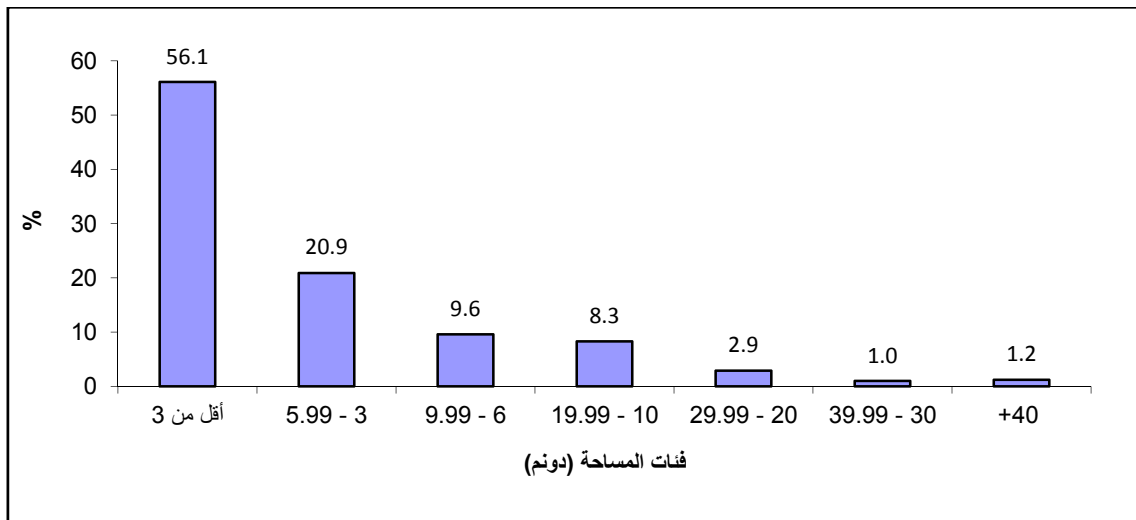
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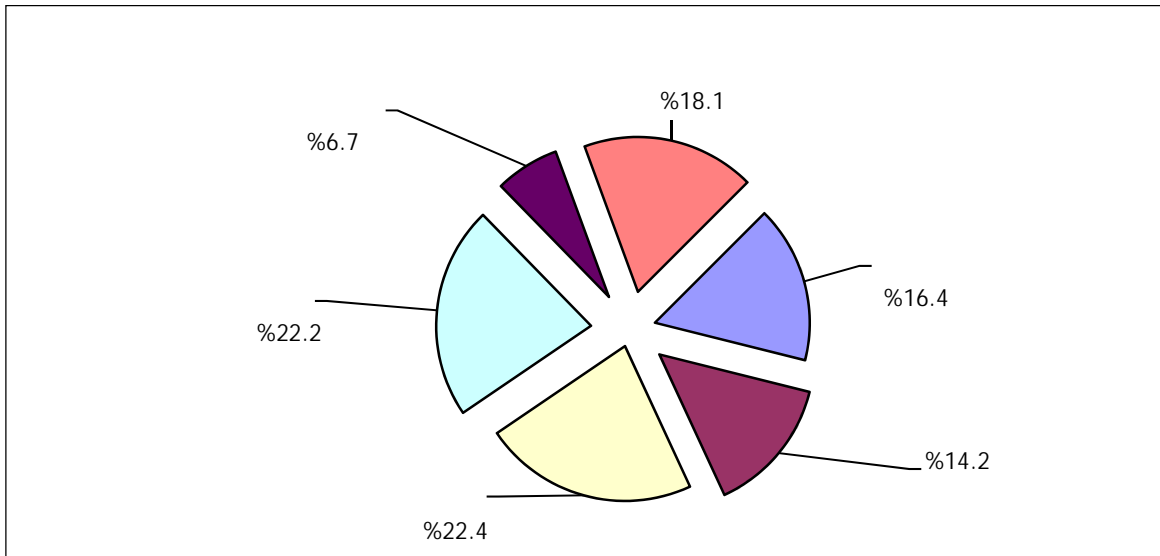
%22.4

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	%53.2	1,760	
		%46.4	1,532
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	17,821	
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		1,927
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**2010/10/01**

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		%83.9
	%15.9	
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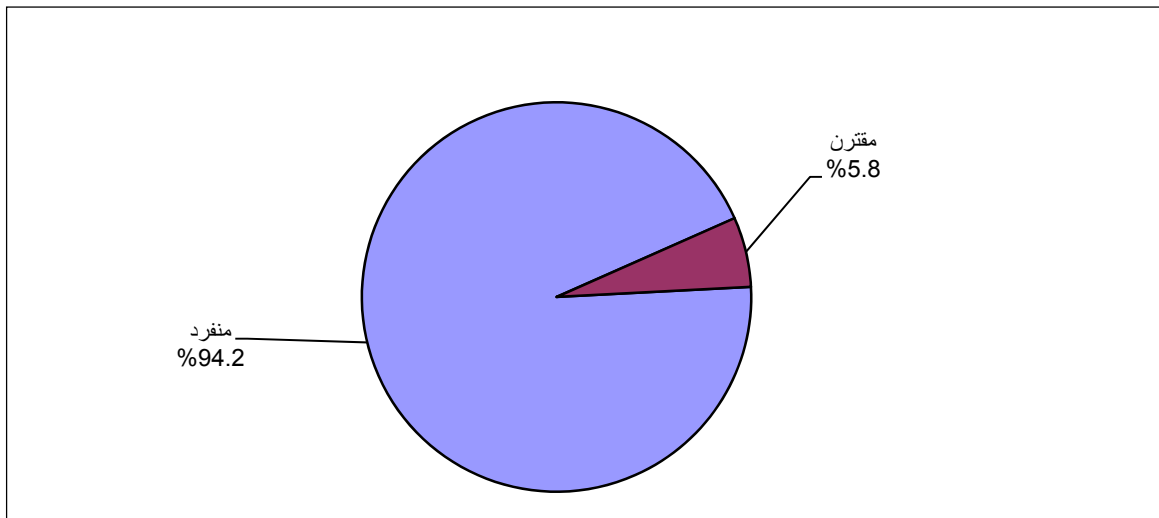
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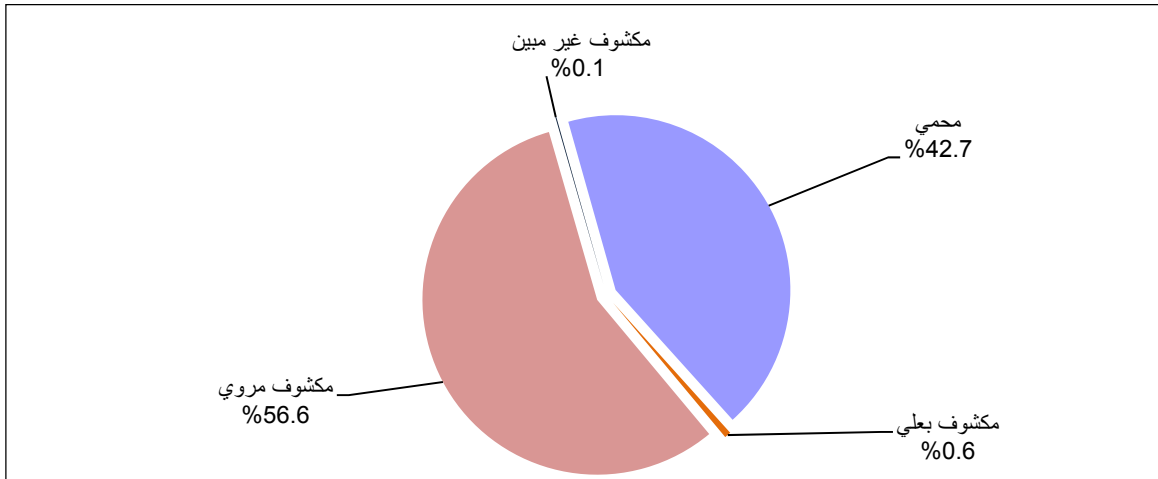
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%42.7 3,359 %0.1  
%62.9 4,497

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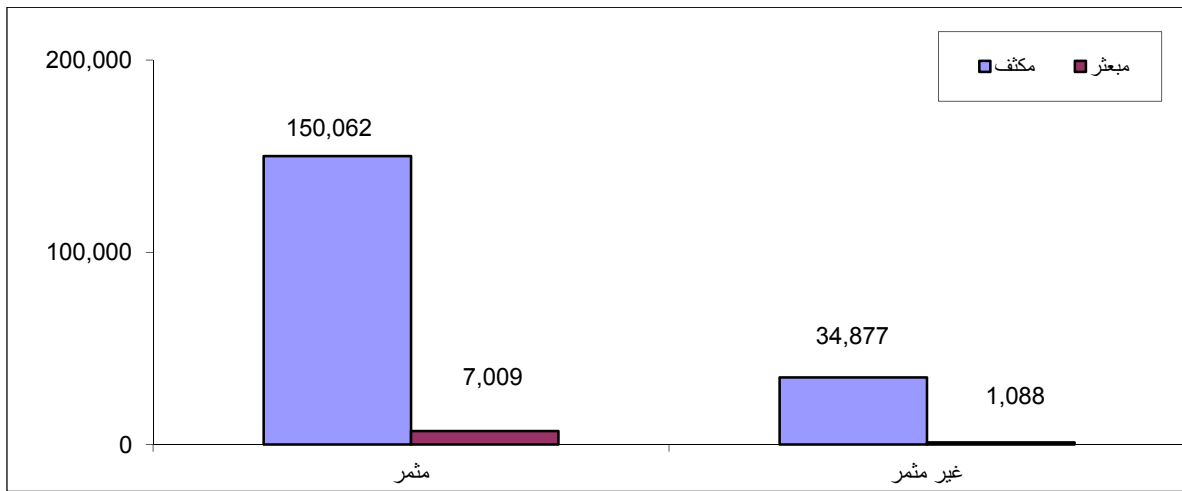
%58.7

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	%10.6		%92.2
		%82.0	%89.4
		%12.7	%5.3
35,965	157,071	193,036	
180,534		662	11,840

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: 2010/10/01		3,108	
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		%35.4	%33.8
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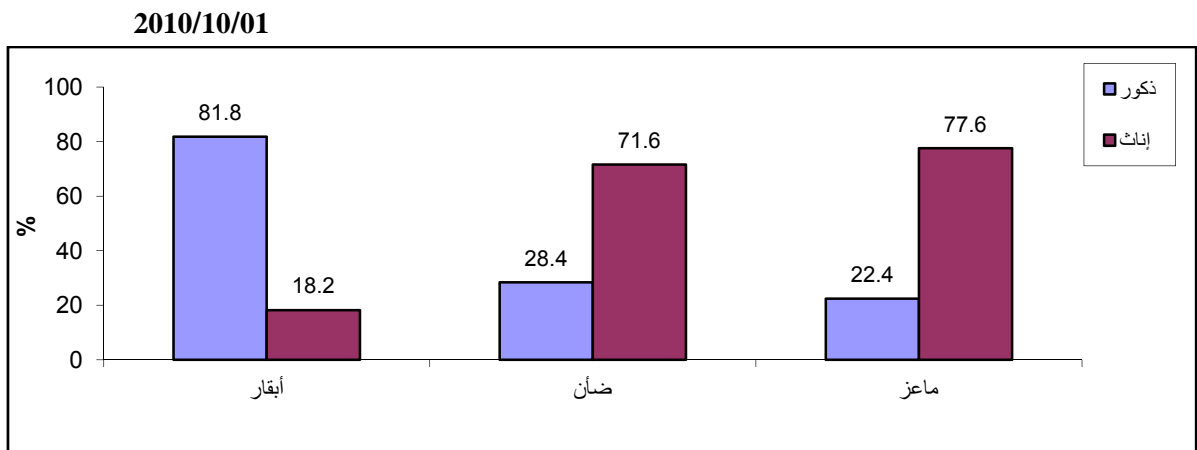
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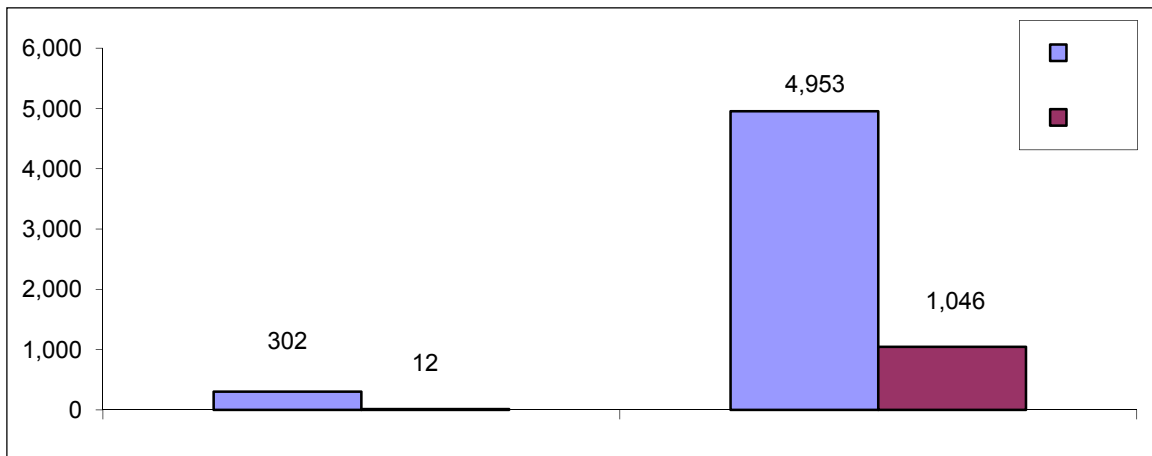
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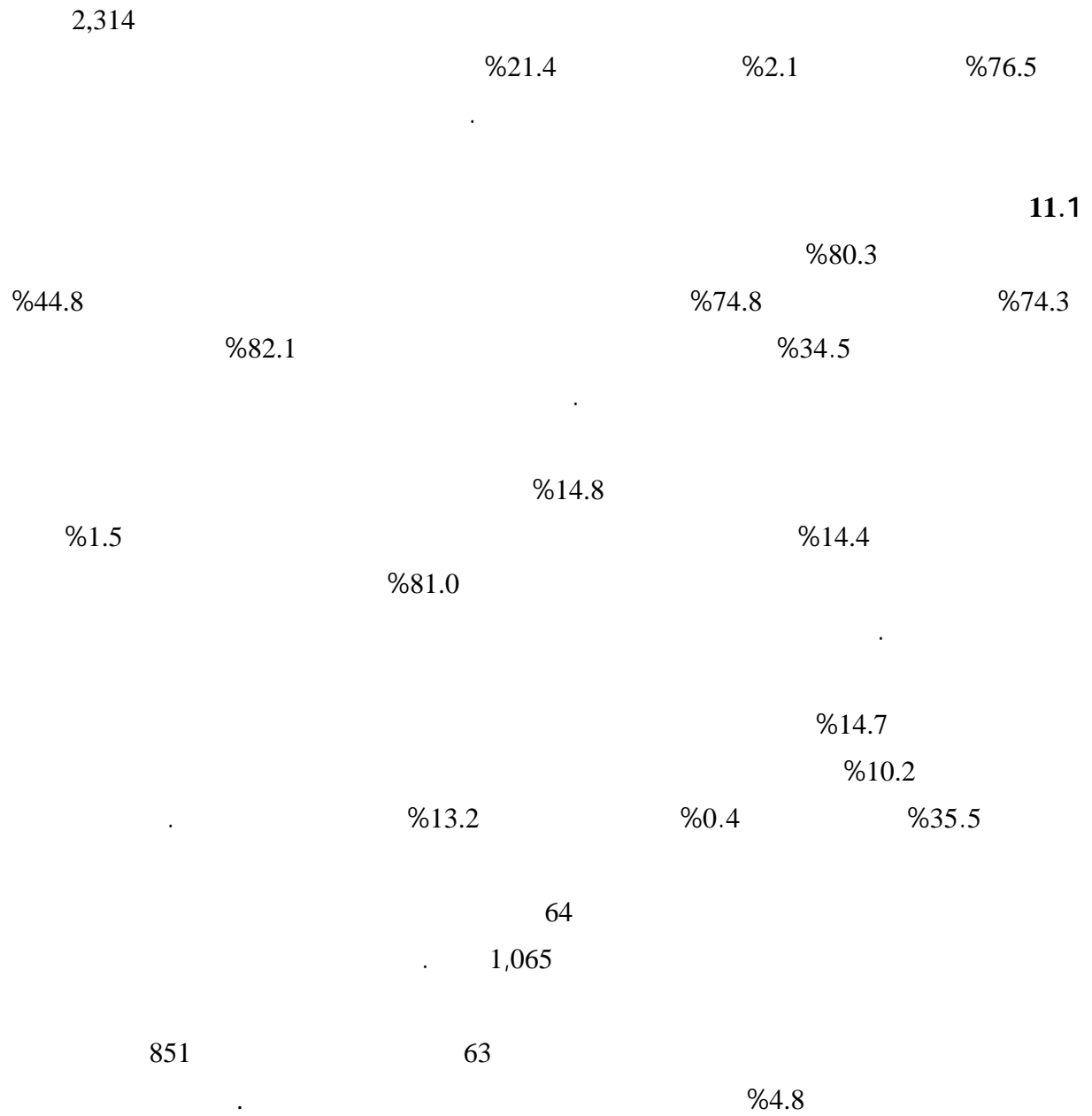
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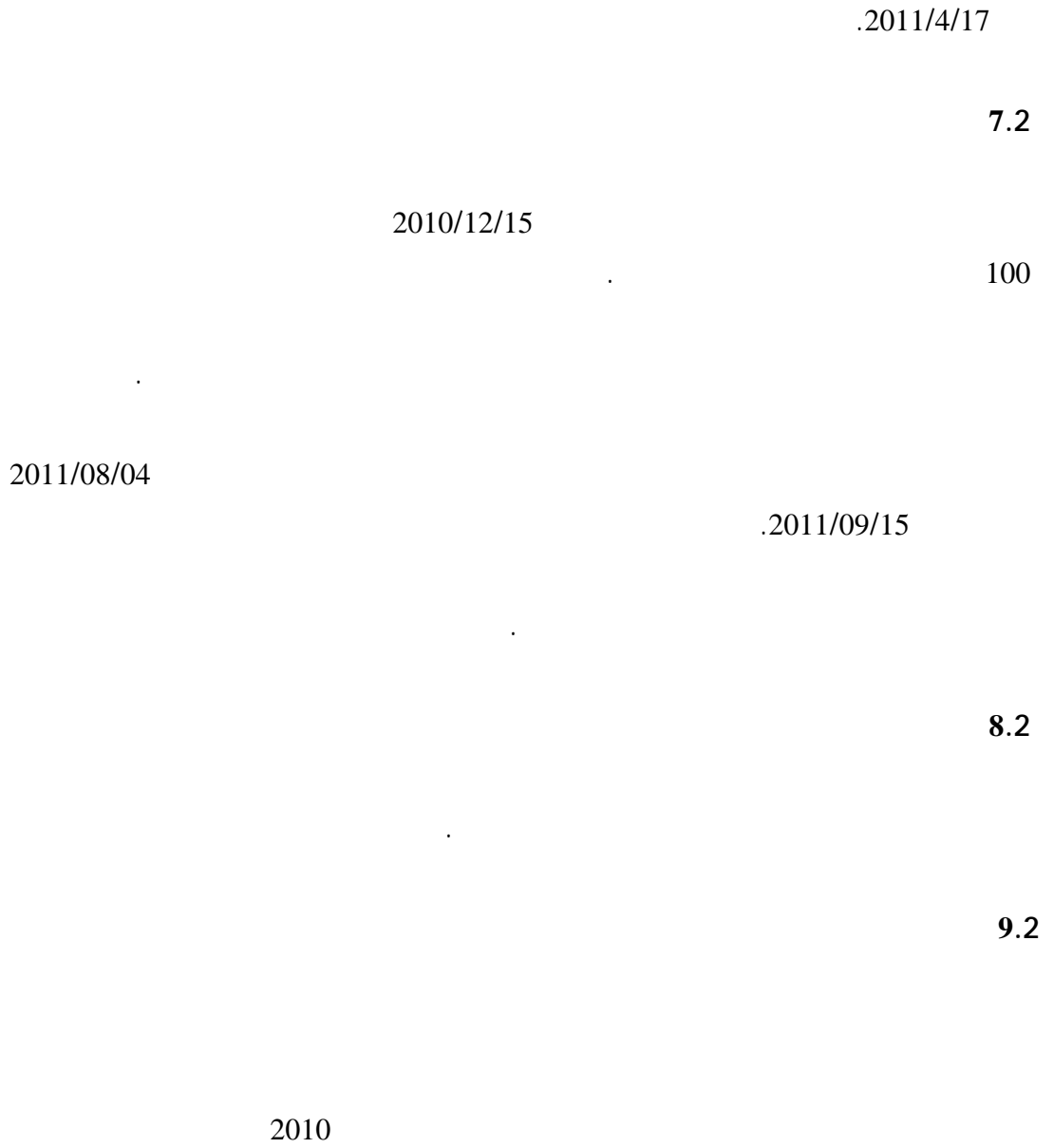
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## **Tables**



جدول 1: عدد الحائزين الزراعيين في محافظة رفح حسب الفئة العمرية للحائز والتجمع، 2010/2009

**Table 1: Number of Agricultural Holders in Rafah Governorate by Age Group of Holder and Locality, 2009/2010**

Locality	Total	Age Group of Holder						
		Not Stated	+ 60	59 - 50	49 - 40	39 - 30	29 -15	
<b>Rafah Governorate</b>	<b>3,305</b>	<b>1</b>	<b>740</b>	<b>753</b>	<b>897</b>	<b>656</b>	<b>258</b>	
Rafah	2,117	1	512	524	580	371	129	
Rafah Camp	147	-	33	29	52	29	4	
Al-Nnaser (Al Bayuk)	509	-	84	96	141	131	57	( )
Shokat as Sufi	532	-	111	104	124	125	68	

جدول 2: عدد الحائزين الزراعيين في محافظة رفح حسب المهنة الرئيسية للحائز ونوع التجمع، 2010/2009

**Table 2: Number of Agricultural Holders in Rafah Governorate by Main Occupation of Holder and Type of Locality, 2009/2010**

Type of Locality	Total	Main Occupation of Holder			نوع التجمع
		Not Stated	Other Than Agriculture	Agriculture	
Urban	2,648	10	1,349	1,289	
Rural	509	3	284	222	
Camp	148	-	127	21	
<b>Total</b>	<b>3,305</b>	<b>13</b>	<b>1,760</b>	<b>1,532</b>	

2010/2009

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**Table 3: Number of Agricultural Holders in Rafah Governorate by Educational Attainment of Holder and Type of Locality, 2009/2010**

Type of Locality	Total	Educational Attainment of Holder						
		Bachelor and Above	Associate Diploma	Secondary	Preparatory	Elementary	Can Read and Write	Illiterate
Urban	<b>2,648</b>	506	176	575	582	368	133	308
Rural	<b>509</b>	46	26	121	134	92	48	42
Camp	<b>148</b>	47	20	37	23	9	2	10
<b>Total</b>	<b>3,305</b>	<b>599</b>	<b>222</b>	<b>733</b>	<b>739</b>	<b>469</b>	<b>183</b>	<b>360</b>

جدول 4: عدد الحيازات الزراعية في محافظة رفح حسب أسلوب إدارة الحيازة والغرض الرئيسي للإنتاج، 2010/2009

**Table 4: Number of Agricultural Holdings in Rafah Governorate by Holding Management Method and Main Purpose of Production, 2009/2010**

Main Purpose of Production	المجموع Total	Holding Management Method أسلوب إدارة الحيازة			الغرض الرئيسي للإنتاج
		Member of the Holders Family	Paid Manager	Holder Himself	
For Household Consumption	1,456	326	26	1,104	للاستهلاك الأسري أساساً
For Sale	1,822	405	55	1,362	للبيع أساساً
Not Stated	251	37	5	209	غير مبين
<b>Total</b>	<b>3,529</b>	<b>768</b>	<b>86</b>	<b>2,675</b>	<b>المجموع</b>



2010/2009

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**Table 5: Number of Agricultural Holdings in Rafah Governorate by Main Purpose of Production and Area Group of Holding, 2009/2010**

Area Group of Holding in Dunum	Total	Main Purpose of Production			
		Not Stated	For Sale	For Household Consumption	
Up to 2.99	<b>1,980</b>	134	796	1,050	حتى 2.99
3 - 5.99	<b>739</b>	51	453	235	5.99 - 3
6 - 9.99	<b>340</b>	27	223	90	9.99 - 6
10 - 19.99	<b>291</b>	26	213	52	19.99 - 10
20 - 29.99	<b>103</b>	7	77	19	29.99 - 20
30 - 39.99	<b>34</b>	2	28	4	39.99 - 30
40 - 49.99	<b>11</b>	-	10	1	49.99 - 40
50 - 59.99	<b>14</b>	4	9	1	59.99 - 50
60 - 69.99	<b>5</b>	-	3	2	69.99 - 60
70 - 79.99	<b>2</b>	-	1	1	79.99 - 70
80 +	<b>10</b>	-	9	1	+ 80
<b>Total</b>	<b>3,529</b>	<b>251</b>	<b>1,822</b>	<b>1,456</b>	

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**Table 6: Number of Agricultural Holdings in Rafah Governorate by Main Purpose of production and Size of Holder Household, 2009/2010**

Size of Holder Household	Total	Main Purpose of Production			
		Not Stated	For Sale	For Household Consumption	
One Person	36	1	21	14	
2 - 3	441	29	228	184	3 - 2
4 - 5	633	50	305	278	5 - 4
6 - 9	1,636	127	839	670	9 - 6
10 +	783	44	429	310	+ 10
<b>Total</b>	<b>3,529</b>	<b>251</b>	<b>1,822</b>	<b>1,456</b>	

جدول 7: عدد الحيازات الزراعية في محافظة رفح حسب الغرض الرئيسي للإنتاج وحق الانتفاع، 2010/2009

**Table 7: Number of Agricultural Holdings in Rafah Governorate by Main Purpose of Production and Land Tenure, 2009/2010**

Land Tenure	Total	Main Purpose of Production			حق الانتفاع
		Not Stated	For Sale	For Household Consumption	
Owned or Owned Like Possession	3,252	242	1,605	1,405	
Rented	187	3	158	26	
Held Under Atribal or Traditional Form	8	2	3	3	
Govera-mented or Waqf	2	-	-	2	
More Than One Type of Land Tenure	50	1	40	9	
Not Stated	30	3	16	11	
<b>Total</b>	<b>3,529</b>	<b>251</b>	<b>1,822</b>	<b>1,456</b>	المجموع

جدول 8: عدد الحيازات الزراعية في محافظة رفح حسب نوع الحيازة والغرض الرئيسي للإنتاج، 2010/2009

**Table 8: Number of Agricultural Holdings in Rafah Governorate by Type of Holding and Main Purpose of Production, 2009/2010**

Main Purpose of Production	Total	Type of Holding			الغرض الرئيسي للإنتاج
		مختلطة Mixed	حيوانية Animal	نباتية Plant	
For Household Consumption	1,456	172	232	1,052	
For Sale	1,822	411	248	1,163	
Not Stated	251	1	-	250	
<b>Total</b>	<b>3,529</b>	<b>584</b>	<b>480</b>	<b>2,465</b>	

جدول 9: مساحة الحيازات الزراعية في محافظة رفح حسب نوع استخدام الارض والتجمع، كما هو في 2010/10/01

Table 9: Area of Agricultural Holdings in Rafah Governorate by Type of Land Use and Locality, As in 01/10/2010

Area in Dunums

Locality	Total	Type of Land Use									التجمع
		Cultivated Land					Un Cultivated Land				
		Total	Nurseries	Land Under Temporarily Fallow	Wooded Land	Cultivated Land	المجموع Total	Others *	( ) Permanent Meadows and Pastures	Buildings Used for Holdings	
<b>Rafah Governorate</b>	<b>17,821.08</b>	<b>15,894.21</b>	<b>9.46</b>	<b>2,531.04</b>	<b>18.66</b>	<b>13,335.05</b>	<b>1,926.87</b>	<b>354.75</b>	<b>1,190.20</b>	<b>381.92</b>	
Rafah	9,206.58	8,044.61	9.40	974.38	5.00	7,055.83	1,161.97	225.34	717.09	219.54	
Rafah Camp	47.39	41.27	-	18.09	0.10	23.08	6.12	0.91	1.13	4.08	
Al-Nnaser (Al Bayuk)	2,781.73	2,574.90	-	298.47	4.09	2,272.34	206.83	81.12	32.04	93.67	( )
Shokat as Sufi	5,785.38	5,233.43	0.06	1,240.10	9.47	3,983.80	551.95	47.38	439.94	64.63	

\*Others: include pools, corridors, non-arable land, and non-covered folds

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جدول 10: المساحة المزروعة بأشجار البستنة والخضراوات والمحاصيل الحقلية في محافظة رفح حسب التجمع، 2009/2010  
**Table 10: Cultivated Area of Horticulture Trees, Vegetables and Field Crops in Rafah Governorate by Locality, 2009/2010**

Area in Dunums

Lcality	Total	Field Crops	Vegetables	Horticulture Trees	التجمع
<b>Rafah Governorate</b>	<b>16,495.89</b>	<b>3,059.32</b>	<b>7,870.18</b>	<b>5,566.39</b>	
Rafah	8,823.91	1,101.66	4,947.16	2,775.09	
Rafah Camp	84.16	1.70	67.97	14.49	
Al-Nnaser (Al Bayuk)	3,087.29	583.92	1,666.69	836.68	( )
Shokat as Sufi	4,500.53	1,372.04	1,188.36	1,940.13	

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**Table 11: Number of Agricultural Holdings in Rafah Governorate by Type of Holding and Main Source of Agricultural Extension, 2009/2010**

Source of Extension	Total	Mixed	Animal	Plant	
Ministry of Agriculture	361	74	48	239	
Veterinary	235	60	43	132	
Media	15	3	2	10	
Whole Sailer of the Agricultural Materials	465	102	39	324	
Farmers	1,254	197	97	960	
Institutions and international bodies	14	3	2	9	
Others	657	100	154	403	
Not received extension	517	43	94	380	
Not Stated	11	2	1	8	
<b>Total</b>	<b>3,529</b>	<b>584</b>	<b>480</b>	<b>2,465</b>	

**Others** \*: Include agricultural engineer, bulletin extension, internet...etc

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جدول 12: عدد الحيازات الزراعية في محافظة رفح حسب أسلوب إدارة الحيازة ونوع الحيازة، 2010/2009

**Table 12: Number of Agricultural Holdings in Rafah Governorate by Method of Holding Management and Type of Holding, 2009/2010**

Type of Holding	Total	Method of Holding Management			نوع الحيازة
		أحد أفراد الأسرة Member of the Holder's Family	مدير بأجر Paid Manager	الحائز Holder Himself	
Plant	2,465	495	67	1,903	نباتية
Animal	480	114	4	362	حيوانية
Mixed	584	159	15	410	مختلطة
<b>Total</b>	<b>3,529</b>	<b>768</b>	<b>86</b>	<b>2,675</b>	<b>المجموع</b>



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**Table 13: Number of Agricultural Holdings in Rafah Governorate by Type of Holding and Area Group of Holding, 2009/2010**

Area Group of Holding in Dunum	Total	Type of Holding نوع الحيازة			
		Mixed	Animal	Plant	
Up to 2.99	<b>1,980</b>	187	476	1,317	حتى 2.99
3 - 5.99	<b>739</b>	151	-	588	3 - 5.99
6 - 9.99	<b>340</b>	104	2	234	6 - 9.99
10 - 19.99	<b>291</b>	78	1	212	10 - 19.99
20 - 29.99	<b>103</b>	30	-	73	20 - 29.99
30 - 39.99	<b>34</b>	12	1	21	30 - 39.99
40 - 49.99	<b>11</b>	6	-	5	40 - 49.99
50 - 59.99	<b>14</b>	3	-	11	50 - 59.99
60 - 69.99	<b>5</b>	3	-	2	60 - 69.99
70 - 79.99	<b>2</b>	2	-	-	70 - 79.99
80 +	<b>10</b>	8	-	2	+ 80
<b>Total</b>	<b>3,529</b>	<b>584</b>	<b>480</b>	<b>2,465</b>	
<b>Average of Holding Size (Dunum)</b>	<b>5.1</b>	<b>9.3</b>	<b>0.3</b>	<b>5.0</b>	( )

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**Table 14: Number of Agricultural Holdings in Rafah Governorate by Type of Holdings and Land Tenure, 2009/2010**

Land Tenure	Total	Type of Holding		
		Mixed	Animal	Plant
Owned or Owned Like Possession	3,252	510	468	2,274
Rented	187	41	6	140
Held Under Atriabal or Traditional Form	8	-	-	8
Govera-mented or Waqf	2	-	2	-
More Than One Type of Land Tenure	50	24	-	26
Not Stated	30	9	4	17
<b>Total</b>	<b>3,529</b>	<b>584</b>	<b>480</b>	<b>2,465</b>

جدول 15: عدد الحيازات الزراعية في محافظة رفح حسب أسلوب إدارة الحيازة وحجم أسرة الحائز، 2010/2009

**Table 15: Number of Agricultural Holdings in Rafah Governorate by Holding Management Method and Size of Holder Household, 2009/2010**

Size of Holder Household	Total	Holding Management Method			
		Member of the Holders Family	Paid Manager	Holder Himself	
One Person	36	4	5	27	
2 - 3	441	111	17	313	3 - 2
4 - 5	633	147	13	473	5 - 4
6 - 9	1,636	332	34	1,270	9 - 6
10 +	783	174	17	592	+ 10
<b>Total</b>	<b>3,529</b>	<b>768</b>	<b>86</b>	<b>2,675</b>	

جدول 16: عدد الحيازات الزراعية في محافظة رفح حسب نوع الخدمات الحكومية المقدمة ونوع الحيازة الزراعية، 2009/2010

**Table 16: Number of Agricultural Holdings in Rafah Governorate by Type of Governmental Service and Type of Agricultural Holdings, 2009/2010**

Type of Holding	Total	Type of Governmental Service					نوع الحيازة
		غير مبين Not Stated	لا يتلقى Don't Receive	كلاهما Both Agricultural and Veterinary	بيطرية Veterinary	زراعية Agricultural	
Plant	2,465	13	2,052	-	-	400	
Animal	480	-	359	-	121	-	
Mixed	584	2	446	53	32	51	
<b>Total</b>	<b>3,529</b>	<b>15</b>	<b>2,857</b>	<b>53</b>	<b>153</b>	<b>451</b>	

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**Table 17: Number of Agricultural Holdings in Rafah Governorate by Legal Status of Holder and Area Group of Holding, 2009/2010**

Area Group of Holding in Dunum	Total	Legal Status of Holder			
		Household	Partnership	Individual	
Up to 2.99	1,980	63	50	1,867	حتى 2.99
3-5.99	739	32	24	683	3 - 5.99
6-9.99	340	9	24	307	6 - 9.99
10-19.99	291	18	22	251	10 - 19.99
20-29.99	103	8	5	90	20 - 29.99
30-39.99	34	3	2	29	30 - 39.99
40-49.99	11	-	1	10	40 - 49.99
50-59.99	14	2	-	12	50 - 59.99
60-69.99	5	-	1	4	60 - 69.99
70-79.99	2	-	1	1	70 - 79.99
80+	10	-	-	10	+ 80
<b>Total</b>	<b>3,529</b>	<b>135</b>	<b>130</b>	<b>3,264</b>	

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**Table 18: Number of Agricultural Holdings in Rafah Governorate by Legal Status of Holder and Main Purpose of Production, 2009/2010**

Legal Status of Holder	Total	Main Purpose of Production الغرض الرئيسي للإنتاج			الكيان القانوني للحائز
		Not Stated	For Sale	For Household Consuming	
An Individual	<b>3,264</b>	222	1,695	1,347	فرد
Partnership	<b>130</b>	11	68	51	شراكة
Household	<b>135</b>	18	59	58	أسرة
<b>Total</b>	<b>3,529</b>	<b>251</b>	<b>1,822</b>	<b>1,456</b>	المجموع

جدول 19: عدد الحيازات الزراعية في محافظة رفح حسب أسلوب إدارة الحيازة وفئات مساحة الحيازة، 2010/2009

**Table 19: Number of Agricultural Holdings in Rafah Governorate by Method of Holding Management and Area Group of Holding, 2009/2010**

Area Group of Holding in Dunum	Total	Method of Holding Management			
		Member of the Holders Family	Paid Manager	holder Himself	
Up to 2.99	1,980	392	37	1,551	حتى 2.99
3 - 5.99	739	155	21	563	3 - 5.99
6 - 9.99	340	91	9	240	6 - 9.99
10 - 19.99	291	81	10	200	10 - 19.99
20 - 29.99	103	26	3	74	20 - 29.99
30 - 39.99	34	12	4	18	30 - 39.99
40 - 49.99	11	5	-	6	40 - 49.99
50 - 59.99	14	2	1	11	50 - 59.99
60 - 69.99	5	2	-	3	60 - 69.99
70 - 79.99	2	-	-	2	70 - 79.99
80 +	10	2	1	7	+ 80
<b>Total</b>	<b>3,529</b>	<b>768</b>	<b>86</b>	<b>2,675</b>	

جدول 20: عدد الحيازات الزراعية في محافظة رفح حسب اسلوب ادارة الحيازة وجنس الحائز، 2010/2009

**Table 20: Number of Agricultural Holdings in Rafah Governorate by Holding Management Method and Sex of Holder, 2009/2010**

Sex of Holder	Total	Holding Management Method		
		Member of the Holders Family	Paid Manager	Holder Himself
Male	3,176	643	72	2,461
Female	224	86	7	131
Co-holders are Males	110	28	6	76
Co-holders are Males and Females	19	11	1	7
<b>Total</b>	<b>3,529</b>	<b>768</b>	<b>86</b>	<b>2,675</b>



جدول 21: عدد الحيازات الزراعية في محافظة رفح حسب نوع الحيازة وجنس الحائز، 2010/2009

**Table 21: Number of Agricultural Holdings in Rafah Governorate by Type of Holding and Sex of Holder, 2009/2010**

Sex of Holder	Total	Type of Holding			جنس الحائز
		Mixed	Animal	Plant	
Male	3,176	530	408	2,238	
Female	224	28	66	130	
Co-holders are Males	110	22	6	82	
Co-holders are Both Males and Females	19	4	-	15	
<b>Total</b>	<b>3,529</b>	<b>584</b>	<b>480</b>	<b>2,465</b>	

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**Table 22: Number of Agricultural Holdings in Rafah Governorate by Age Group of Holder and Area Group of Holding, 2009/2010**

Area Group of Holding in Dunum	Total	Age Groupe of Holder						
		غير مبين Not Stated	+ 60	59 - 50	49 - 40	39 - 30	29 - 15	
Up to 2.99	1,980	-	371	457	568	412	172	حتى 2.99
3 - 5.99	739	1	202	172	196	120	48	5.99 - 3
6 - 9.99	340	-	88	82	86	65	19	9.99 - 6
10 - 19.99	291	1	93	63	64	55	15	19.99 - 10
20 - 29.99	103	-	35	25	25	13	5	29.99 - 20
30 - 39.99	34	-	10	8	9	5	2	39.99 - 30
40 - 49.99	11	-	4	1	3	1	2	49.99 - 40
50 - 59.99	14	-	4	3	4	3	-	59.99 - 50
60 - 69.99	5	-	2	1	1	1	-	69.99 - 60
70 - 79.99	2	-	1	-	-	1	-	79.99 - 70
80 +	10	-	1	5	2	2	-	+ 80
<b>Total</b>	<b>3,529</b>	<b>2</b>	<b>811</b>	<b>817</b>	<b>958</b>	<b>678</b>	<b>263</b>	<b>المجموع</b>

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**Table 23: Number of Agricultural Holdings in Rafah Governorate by Sex of Holder and Area Group of Holding, 2009/2010**

Area Group of Holding in Dunum	Total	Sex of Holder				
		Co-holders are Males & Females	Co-holders are Males	Female	Male	
Up to 2.99	1,980	6	43	157	1,774	حتى 2.99
3 - 5.99	739	6	18	43	672	3 - 5.99
6 - 9.99	340	4	20	10	306	6 - 9.99
10 - 19.99	291	1	21	4	265	10 - 19.99
20 - 29.99	103	1	4	9	89	20 - 29.99
30 - 39.99	34	1	1	-	32	30 - 39.99
40 - 49.99	11	-	1	-	10	40 - 49.99
50 - 59.99	14	-	-	-	14	50 - 59.99
60 - 69.99	5	-	1	1	3	60 - 69.99
70 - 79.99	2	-	1	-	1	70 - 79.99
80 +	10	-	-	-	10	+ 80
<b>Total</b>	<b>3,529</b>	<b>19</b>	<b>110</b>	<b>224</b>	<b>3,176</b>	

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**Table 24: Number of Agricultural Holdings in Rafah Governorate by Size of Holder Household and Area Group of Holding, 2009/2010**

Area Group of Holding in Dunum	Total	Size of Holder Household					
		+ 10	9 - 6	5 - 4	3 - 2	One Person	
Up to 2.99	<b>1,980</b>	405	939	359	252	25	حتى 2.99
3 - 5.99	<b>739</b>	166	337	146	85	5	5.99 - 3
6 - 9.99	<b>340</b>	95	153	48	42	2	9.99 - 6
10 - 19.99	<b>291</b>	64	138	50	35	4	19.99 - 10
20 - 29.99	<b>103</b>	26	44	19	14	-	29.99 - 20
30 - 39.99	<b>34</b>	13	12	4	5	-	39.99 - 30
40 - 49.99	<b>11</b>	3	4	1	3	-	49.99 - 40
50 - 59.99	<b>14</b>	7	3	3	1	-	59.99 - 50
60 - 69.99	<b>5</b>	1	1	2	1	-	69.99 - 60
70 - 79.99	<b>2</b>	-	1	-	1	-	79.99 - 70
80 +	<b>10</b>	3	4	1	2	-	+ 80
<b>Total</b>	<b>3,529</b>	<b>783</b>	<b>1,636</b>	<b>633</b>	<b>441</b>	<b>36</b>	

جدول 25: عدد الحيازات الزراعية التي تستخدم التطبيقات الزراعية في محافظة رفح حسب نوع الحيازة ونوع التطبيق الزراعي،  
2010/2009

**Table 25: Number of Agricultural Holdings which Use Agricultural Practices in Rafah Governorate by Type of Agricultural Holding and Type of Agricultural Practice, 2009/2010**

Type of Agricultural Practices	Total	Type of Holding		
		Mixed	Animal	Plant
Treated and Improved Assets	1,366	331	-	1,035
Organic Fertilizers	2,447	511	-	1,936
Chemical Fertilizers	2,265	469	-	1,796
Pesticides	2,281	487	-	1,794
Biological Control	1,052	295	-	757
Vaccination Against Epidemical Diseases	874	467	407	-

جدول 26: عدد الحيازات الزراعية التي تستخدم التطبيقات الزراعية في محافظة رفح حسب الكيان القانوني للحائز ونوع التطبيق الزراعي، 2010/2009

**Table 26: Number of Agricultural Holdings which Use Agricultural Practices in Rafah Governorate by Legal Status of Holder and Type of Agricultural Practice, 2009/2010**

Type of Agricultural Practice	Total	Legal Status of Holder		
		Household	Partnership	Individual
Treated and Improved Assets	1,366	42	58	1,266
Organic Fertilizers	2,447	87	103	2,257
Chemical Fertilizers	2,265	79	94	2,092
Pesticides	2,281	84	98	2,099
Biological Control	1,052	37	45	970
Vaccination Against Epidemical Diseases	874	39	25	810

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**Table 27: Number of Agricultural Holdings which Use Agricultural Practices in Rafah Governorate by Area Group of Holding and Type of Agricultural Practice, 2009/2010**

Type of Agricultural Practice	Total	Area Group of Holding										
		+80	79.99 - 70	69.99 - 60	59.99 - 50	49.99 - 40	39.99 - 30	29.99 - 20	19.99 - 10	9.99 - 6	5.99 - 3	حتى 2.99 Up to 2.99
Treated and Improved Assets	<b>1,366</b>	8	1	3	7	7	25	59	169	200	374	513
Organic Fertilizers	<b>2,447</b>	10	2	5	9	10	28	87	244	280	583	1,189
Chemical Fertilizers	<b>2,265</b>	9	2	5	9	10	27	83	229	270	550	1,071
Pesticides	<b>2,281</b>	9	2	5	9	9	26	86	236	274	554	1,071
Biological Control	<b>1,052</b>	8	2	4	8	5	22	53	137	156	287	370
Vaccination Against Epidemical Diseases	<b>874</b>	8	2	3	3	6	12	25	69	82	122	542

جدول 28: عدد الحيازات الزراعية التي تستخدم التطبيقات الزراعية في محافظة رفح حسب الغرض الرئيسي للإنتاج ونوع التطبيق الزراعي،  
2010/2009

**Table 28: Number of Agricultural Holdings which Use Agricultural Practices in Rafah Governorate by Main Purpose of production and Type of Agricultural Practice, 2009/2010**

Type of Agricultural Practice	Total	Main Purpose of Production		
		Not Stated	For Sale	For Home Consumption
Treated and Improved Assets	1,366	3	1,012	351
Organic Fertilizers	2,447	14	1,428	1,005
Chemical Fertilizers	2,265	14	1,381	870
Pesticides	2,281	13	1,390	878
Biological Control	1,052	5	817	230
Vaccination Against Epidemical Diseases	874	1	558	315



جدول 29: عدد الحيازات الزراعية التي تستخدم التطبيقات الزراعية في محافظة رفح حسب التخصص وجنس الحائز ونوع التطبيق الزراعي،  
2010/2009

**Table 29: Number of Agricultural Holdings which Use Agricultural Practices in Rafah Governorate by Specialization, Sex of Holder and Type of Agricultural Practice, 2009/2010**

Specialization and Sex of Holder	Type of Agricultural Practice						
	Vaccination Against Epidemical	Biological Control	Pesticides	Chemical Fertilizers	Organic Fertilizers	Treated and Improved Assets	
<b>Agriculture</b>	<b>22</b>	<b>52</b>	<b>105</b>	<b>107</b>	<b>108</b>	<b>70</b>	
Male	20	47	98	99	100	66	
Female	-	-	1	1	1	-	
Co-holders are Male	2	5	6	7	7	4	
<b>Not Agriculture</b>	<b>288</b>	<b>420</b>	<b>1,004</b>	<b>980</b>	<b>1,046</b>	<b>537</b>	
Male	274	389	924	905	966	501	
Female	8	15	33	31	33	14	
Co-holders are Male	6	14	42	39	42	18	
Co-holders are Male & Female	-	2	5	5	5	4	
<b>Not Stated</b>	<b>17</b>	<b>19</b>	<b>39</b>	<b>35</b>	<b>45</b>	<b>27</b>	
Male	16	19	37	34	41	25	
Female	-	-	-	1	2	-	
Co-holders are Male	1	-	2	-	2	2	
<b>Not Applicable</b>	<b>547</b>	<b>561</b>	<b>1,133</b>	<b>1,143</b>	<b>1,248</b>	<b>732</b>	
Male	466	513	1,029	1,039	1,129	665	
Female	65	24	61	61	72	37	
Co-holders are Male	13	20	34	33	36	23	
Co-holders are Male & Female	3	4	9	10	11	7	
<b>Total</b>	<b>874</b>	<b>1,052</b>	<b>2,281</b>	<b>2,265</b>	<b>2,447</b>	<b>1,366</b>	المجموع

جدول 30: عدد الحيازات الزراعية التي تستخدم التطبيقات الزراعية في محافظة رفح حسب المؤهل العلمي وجنس الحائز ونوع التطبيق الزراعي، 2010/2009

**Table 30: Number of Agricultural Holdings which Use Agricultural Practices in Rafah Governorate by Educational Attainment, Sex of Holder and Type of Agricultural Practice, 2009/2010**

Educational Attainment and Sex	Type of Agricultural Practice						المؤهل العلمي وجنس الحائز
	التطعيم ضد الأمراض الوبائية Vaccination Against Epidemical Diseases	المكافحة المتكاملة Biological Control	المبيدات الزراعية Pesticides	الأسمدة الكيماوية Chemical Fertilizers	الأسمدة العضوية Organic Fertilizers	المعالج وأصول محسنة Treated and Improved Assets	
<b>Illiterate</b>	<b>156</b>	<b>116</b>	<b>209</b>	<b>208</b>	<b>237</b>	<b>146</b>	<b>أمية</b>
Male	114	103	178	175	197	126	ذكر
Female	42	10	26	29	34	16	أنثى
Co-holders are Male	-	2	3	2	3	2	شراكة ذكور
Co-holders are Male & Female	-	1	2	2	3	2	شراكة ذكور وإناث
<b>Can Read and Write</b>	<b>51</b>	<b>68</b>	<b>128</b>	<b>129</b>	<b>140</b>	<b>83</b>	<b>ملم</b>
Male	43	66	124	126	135	83	ذكر
Female	7	1	2	1	3	-	أنثى
Co-holders are Male	-	1	1	1	1	-	شراكة ذكور
Co-holders are Male & Female	1	-	1	1	1	-	شراكة ذكور وإناث
<b>Elementary</b>	<b>144</b>	<b>131</b>	<b>283</b>	<b>280</b>	<b>318</b>	<b>178</b>	<b>ابتدائي</b>
Male	129	125	259	258	293	164	ذكر
Female	9	1	12	10	13	7	أنثى
Co-holders are Male	5	5	11	11	11	7	شراكة ذكور
Co-holders are Male & Female	1	-	1	1	1	-	شراكة ذكور وإناث
<b>Preparatory</b>	<b>196</b>	<b>246</b>	<b>513</b>	<b>526</b>	<b>553</b>	<b>325</b>	<b>إعدادي</b>
Male	180	219	468	480	504	292	ذكر
Female	7	12	21	21	22	14	أنثى
Co-holders are Male	8	12	19	19	21	14	شراكة ذكور
Co-holders are Male & Female	1	3	5	6	6	5	شراكة ذكور وإناث
<b>Secondary</b>	<b>167</b>	<b>233</b>	<b>523</b>	<b>516</b>	<b>549</b>	<b>294</b>	<b>ثانوي</b>
Male	159	216	485	478	512	277	ذكر
Female	4	9	16	17	15	5	أنثى
Co-holders are Male	4	7	19	18	19	10	شراكة ذكور
Co-holders are Male & Female	-	1	3	3	3	2	شراكة ذكور وإناث
<b>Associate Diploma</b>	<b>46</b>	<b>66</b>	<b>167</b>	<b>159</b>	<b>172</b>	<b>85</b>	<b>دبلوم متوسط</b>
Male	44	60	152	146	155	82	ذكر
Female	1	3	6	6	7	2	أنثى
Co-holders are Male	1	3	9	7	10	1	شراكة ذكور
<b>Bachelor and Above</b>	<b>114</b>	<b>192</b>	<b>458</b>	<b>447</b>	<b>478</b>	<b>255</b>	<b>بكالوريوس فأعلى</b>
Male	107	179	422	414	440	233	ذكر
Female	3	3	12	10	14	7	أنثى
Co-holders are Male	4	9	22	21	22	13	شراكة ذكور
Co-holders are Male & Female	-	1	2	2	2	2	شراكة ذكور وإناث
<b>Total</b>	<b>874</b>	<b>1,052</b>	<b>2,281</b>	<b>2,265</b>	<b>2,447</b>	<b>1,366</b>	<b>المجموع</b>

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**Table 31: Number of Agricultural Holdings which have Field Crops in Rafah Governorate by Agricultural Session and Type of Crop, 2009/2010**

Type of Crop	Agricultural Session		نوع المحصول
	صيفي Summer	شتوي Winter	
Wheat	-	303	
Sorghum	4	2	
Barley	1	213	
Dry Garlic	1	18	
Dry Onion	28	39	
Onion Tuber	-	5	
Peanut	2	-	( )
Dill	-	3	
Meramieh	-	1	
Ment	3	2	
Thyme	1	2	
Broad Bean	-	5	( )
Chick Peas	1	1	( )
Lentil	1	11	
Clover	2	3	

جدول 32: عدد الحيازات الزراعية التي فيها محاصيل حقلية في محافظة رفح حسب وضع المحصول ونوع المحصول،  
2010/2009

**Table 32: Number of Agricultural Holdings which have Field Crops in Rafah Governorate by Status of Crop and Type of Crop, 2009/2010**

Type of Crop	Status of Crop		وضع المحصول	نوع المحصول
	مختلط Mixed	مقترن Associated	منفرد Single	
Wheat	1	36	268	
Sorghum	-	1	5	
Barley	1	35	177	
Dry Garlic	1	6	11	
Dry Onion	-	4	55	
Onion Tuber	1	-	4	
Peanut	-	-	2	( )
Dill	-	1	2	
Meramieh	-	1	-	
Ment	-	4	1	
Thyme	-	1	2	
Broad Bean	-	2	3	( )
Chick Peas	-	-	2	( )
Lentil	-	-	12	
Clover	-	1	3	

جدول 33: عدد الحيازات الزراعية التي فيها محاصيل حقلية في محافظة رفح حسب نمط الري ونوع المحصول، 2010/2009

**Table 33: Number of Agricultural Holdings which have Field Crops in Rafah Governorate by Type of Irrigation and Type of Crop, 2009/2010**

Type of Crop	Type of Irrigation		نوع المحصول
	مروي Irrigated	بعلبي Rainfed	
Wheat	20	283	
Sorghum	5	1	
Barley	13	200	
Dry Garlic	18	-	
Dry Onion	57	2	
Onion Tuber	5	-	
Peanut	2	-	( )
Dill	3	-	
Meramieh	1	-	
Ment	5	-	
Thyme	3	-	
Broad Bean	4	1	( )
Chick Peas	-	2	( )
Lentil	1	12	
Clover	4	-	

جدول 34: عدد الحيازات الزراعية التي فيها محاصيل حقلية مروية في محافظة رفح حسب طريقة الري ونوع المحصول،  
2010/2009

**Table 34: Number of Agricultural Holdings which have Irrigated Field Crops in Rafah Governorate by Method of Irrigation and Type of Crop, 2009/2010**

Type of Crop	Method of Irrigation				نوع المحصول
	غير مبين Not Stated	رشاشات Sprinkler	تنقيط Drip	سطحي Surface	
Wheat	-	3	14	3	
Sorghum	-	-	5	-	
Barley	-	2	10	1	
Dry Garlic	-	1	17	-	
Dry Onion	-	-	55	2	
Onion Tuber	-	-	5	-	
Peanut	-	-	2	-	( )
Dill	-	-	3	-	
Meramieh	-	1	-	-	
Ment	-	1	4	-	
Thyme	-	1	1	1	
Broad Bean	-	1	3	-	( )
Lentil	1	-	-	-	
Clover	-	-	4	-	

جدول 35: عدد الحيازات الزراعية التي فيها محاصيل حقلية في محافظة رفح حسب العروة الزراعية والمساحة المحصودة،  
2010/2009

**Table 35: Number of Agricultural Holdings which have Field Crops in Rafah Governorate by Agricultural Session and Harvested Area, 2009/2010**

Harvested Area in Dunum	Agricultural Session		المساحة المحصودة بالدونم
	صيفي Summer	شتوي Winter	
Up to 2.99	23	259	حتى 2.99
3 - 5.99	7	137	3 - 5.99
6 - 9.99	5	71	6 - 9.99
10 - 19.99	4	44	10 - 19.99
20 - 29.99	1	7	20 - 29.99
30 - 39.99	1	4	30 - 39.99
40 - 49.99	2	4	40 - 49.99
50 - 59.99	-	1	50 - 59.99
60 +	-	1	+60

جدول 36: عدد الحيازات الزراعية التي فيها محاصيل حقلية في محافظة رفح حسب العروة الزراعية ووضع المحصول  
2010/2009

**Table 36: Number of Agricultural Holdings which have Field Crops in Rafah Governorate by Agriculture Session and Status of Crop, 2009/2010**

Status of Crop	Agriculture Session		وضع المحصول
	صيفي Summer	شتوي Winter	
Single	40	450	منفرد
Associated	3	78	مقترن
Mixed	-	3	مختلط



جدول 37: مساحة المحاصيل الحقلية في محافظة رفح حسب العروة الزراعية ونمط الري ونوع المحصول والمساحة المحصودة،  
2010/2009

**Table 37: Area of Field Crops in Rafah Governorate by Agricultural Session, Type of Irrigation, Type of Crop and Harvested Area, 2009/2010**

Area in Dunums

Type of Crop	Harvested Area	المجموع Total	Agricultural Session and Type of Irrigation				
			Summer صيفي		Winter		
			مروي Irrigated	بعلي Rainfed	Irrigated	Rainfed	
Wheat	1,527.25	1,610.19	-	-	86.45	1,523.74	
Sorghum	9.01	13.89	7.89	-	4.00	2.00	
Barley	631.89	693.04	1.00	-	39.46	652.58	
Dry Garlic	58.40	59.90	10.00	-	49.90	-	
Dry Onion	512.64	599.38	228.98	-	362.40	8.00	
Onion Tuber	5.70	5.89	-	-	5.89	-	
Peanut	32.00	32.00	32.00	-	-	-	( )
Dill	0.26	0.27	-	-	0.27	-	
Meramieh	0.20	0.20	-	-	0.20	-	
Ment	2.14	3.94	1.93	-	2.01	-	
Thyme	1.17	1.17	0.03	-	1.14	-	
Broad Bean	4.30	4.30	-	-	3.30	1.00	( )
Chick Peas	1.80	1.80	-	0.60	-	1.20	( )
Lentil	20.15	30.15	-	0.50	4.00	25.65	
Clover	3.20	3.20	2.45	-	0.75	-	
<b>Total</b>	<b>2,810.11</b>	<b>3,059.32</b>	<b>284.28</b>	<b>1.10</b>	<b>559.77</b>	<b>2,214.17</b>	

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**Table 38: Area of Field Crops in Rafah Governorate by Agriculture Session and Status of Crop, 2009/2010**

Area in Dunums

المساحة بالدونم

Status of Crop	Agriculture Session		العروة الزراعية	وضع المحصول
	Total	صيفي Summer	شتوي Winter	
Single	2,881.10	283.05	2,598.05	منفرد
Associated	176.83	2.33	174.50	مقترن
Mixed	1.39	-	1.39	مختلط
<b>Total</b>	<b>3,059.32</b>	<b>285.38</b>	<b>2,773.94</b>	<b>المجموع</b>

جدول 39: مساحة المحاصيل الحقلية في محافظة رفح حسب العروة الزراعية وطريقة الري، 2010/2009  
**Table 39: Area of Field Crops in Rafah Governorate by Agriculture Session and Type of Irrigation, 2009/2010**

Type of Irrigation	Agriculture Session			المساحة بالدونم طريقة الري
	المجموع	صيفي	شتوي	
	Total	Summer	Winter	
<b>Rainfed</b>	<b>2,215.27</b>	<b>1.10</b>	<b>2,214.17</b>	بعلي
<b>Irrigated</b>	<b>844.05</b>	<b>284.28</b>	<b>559.77</b>	مروي
Artificial	10.19	-	10.19	سطحي
Drip	784.97	284.28	500.69	تنقيط
Sprinklers	44.89	-	44.89	رشاشات
Not Stated	4.00	-	4.00	غير مبين
<b>Total</b>	<b>3,059.32</b>	<b>285.38</b>	<b>2,773.94</b>	المجموع

جدول 40: مساحة المحاصيل الحقلية في محافظة رفح حسب وضع المحصول وطريقة الري، 2010/2009

**Table 40: Area of Field Crops in Rafah Governorate by Status of Crop and Method of Irrigation, 2009/2010**

Method of Irrigation	Status of Crop				طريقة الري
	وضع المحصول				
	المجموع Total	مختلط Mixed	مقترن Associated	منفرد Single	
<b>Rainfed</b>	<b>2,215.27</b>	<b>1.00</b>	<b>148.63</b>	<b>2,065.64</b>	بعلي
<b>Irrigated</b>	<b>844.05</b>	<b>0.39</b>	<b>28.20</b>	<b>815.46</b>	مروي
Artificial	10.19	-	1.50	8.69	سطحي
Drip	784.97	0.39	23.80	760.78	تنقيط
Sprinklers	44.89	-	2.90	41.99	رشاشات
Not Stated	4.00	-	-	4.00	غير مبين
<b>Total</b>	<b>3,059.32</b>	<b>1.39</b>	<b>176.83</b>	<b>2,881.10</b>	المجموع

جدول 41: عدد الحيازات الزراعية التي فيها خضراوات في محافظة رفح حسب العروة الزراعية ونوع المحصول، 2010/2009

**Table 41: Number of Agricultural Holdings which have Vegetables in Rafah Governorate by Agricultural Session and Type of Crop, 2009/2010**

Type of Crop	Agricultural Session				نوع المحصول
	خريفي Autumn	صيفي Summer	ربيعي Spring	العروة الزراعية شنتوي Winter	
Maize	-	5	1	1	
White Cabbage	2	5	-	18	
Red Cabbage	-	-	-	1	
Cauliflower	1	1	1	27	
Lettuce	1	-	1	7	
Spinach	-	-	-	11	
Jew's Mallow	21	45	31	59	
Parsley	1	4	-	15	
Chard	-	1	-	4	
Arugula	2	8	3	15	
Cucumber	17	191	30	211	
Snake cucumber	-	1	-	-	
Eggplant	11	81	6	49	
Tomato	33	254	35	354	
Water Melon	-	13	4	6	
Muskmelon	1	10	2	61	
Squash	3	22	6	15	
Gourd	1	-	1	2	
Okra	-	15	1	15	
Garlic (green)	-	-	-	2	
Onion (green)	7	8	7	45	
Radish	4	2	2	14	
Other Vegetables	3	12	-	4	
Strawberry	-	-	-	1	
Potato	5	56	16	246	
Sweet Potato	-	-	3	4	
Paprika	4	24	5	40	
Hot Pepper	20	67	10	80	
Kidney Bean (green)	-	1	-	1	
Broad Bean (green)	-	-	2	54	
Cowpea	-	2	1	-	( )
Peas (green)	8	2	12	162	( )
Cut Flower	-	10	-	2	
qulqas	-	-	-	1	

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**Table 42: Number of Agricultural Holdings which have Vegetables in Rafah Governorate by Status of Crop and Type of Crop, 2009/2010**

Type of Crop	Status of Crop			وضع المحصول	نوع المحصول
	مختلط Mixed	مقترن Associated	منفرد Single		
Maize	-	1	5		
White Cabbage	2	1	22		
Red Cabbage	-	-	1		
Cauliflower	2	-	28		
Lettuce	1	3	5		
Spinach	2	1	8		
Jew's Mallow	3	5	92		
Parsley	5	4	11		
Chard	-	1	4		
Arugula	2	6	17		
Cucumber	1	4	307		
Snake cucumber	-	-	1		
Eggplant	5	7	129		
Tomato	2	9	536		
Water Melon	-	1	22		
Muskmelon	-	-	70		
Squash	-	1	43		
Gourd	-	1	3		
Okra	-	2	28		
Garlic (green)	-	-	2		
Onion (green)	2	13	49		
Radish	2	7	13		
Other Vegetables	-	-	19		
Strawberry	-	-	1		
Potato	-	17	255		
Sweet Potato	-	-	6		
Paprika	-	1	52		
Hot Pepper	3	14	155		
Kidney Bean (green)	-	-	2		
Broad Bean (green)	3	8	45		
Cowpea	-	-	3		( )
Peas (green)	3	24	156		( )
Cut Flower	-	-	12		
qulqas	-	-	1		

جدول 43: عدد الحيازات الزراعية التي فيها خضراوات في محافظة رفح حسب نمط الري ونوع المحصول، 2010/2009

**Table 43: Number of Agricultural Holdings which have Vegetables in Rafah Governorate by Type of Irrigation and Type of Crop, 2009/2010**

Type of Crop	نمط الري			نوع المحصول
	غير مبيّن Not Stated	مروي Irrigated	بعلي Rainfed	
Maize	-	6	-	
White Cabbage	-	25	-	
Red Cabbage	-	1	-	
Cauliflower	-	30	-	
Lettuce	-	9	-	
Spinach	1	10	-	
Jew's Mallow	-	99	-	
Parsley	-	20	-	
Chard	-	5	-	
Arugula	1	24	-	
Cucumber	1	310	-	
Snake cucumber	-	1	-	
Eggplant	2	139	-	
Tomato	-	545	-	
Water Melon	-	23	-	
Muskmelon	-	70	-	
Squash	-	44	-	
Gourd	-	4	-	
Okra	-	30	-	
Garlic (green)	-	2	-	
Onion (green)	-	62	2	
Radish	1	21	-	
Other Vegetables	-	19	-	
Strawberry	-	1	-	
Potato	1	268	3	
Sweet Potato	-	6	-	
Paprika	-	53	-	
Hot Pepper	1	171	-	
Kidney Bean (green)	-	2	-	
Broad Bean (green)	1	52	3	
Cowpea	-	3	-	( )
Peas (green)	1	172	9	( )
Cut Flower	-	12	-	
qulqas	-	1	-	

جدول 44: عدد الحيازات الزراعية التي فيها خضراوات مروية في محافظة رفح حسب طريقة الري ونوع المحصول، 2010/2009

Table 44: Number of Agricultural Holdings which have Irrigated Vegetables in Rafah Governorate by Method of Irrigation and Type of Crop, 2009/2010

Type of Crop	Method of Irrigation			نوع المحصول
	رشاشات Sprinkler	تنقيط Drip	طريقة الري سطحي Surface	
Maize	-	6	-	
White Cabbage	-	25	-	
Red Cabbage	-	1	-	
Cauliflower	-	30	-	
Lettuce	-	7	2	
Spinach	-	9	1	
Jew's Mallow	1	95	4	
Parsley	-	17	3	
Chard	-	5	-	
Arugula	-	16	8	
Cucumber	5	305	1	
Snake cucumber	-	1	-	
Eggplant	-	134	5	
Tomato	7	535	5	
Water Melon	-	22	1	
Muskmelon	-	70	-	
Squash	-	41	3	
Gourd	-	4	-	
Okra	-	30	-	
Garlic (green)	-	2	-	
Onion (green)	-	55	7	
Radish	-	15	6	
Other Vegetables	-	19	-	
Strawberry	-	-	1	
Potato	1	259	8	
Sweet Potato	-	6	-	
Paprika	1	52	-	
Hot Pepper	1	164	6	
Kidney Bean (green)	-	2	-	
Broad Bean (green)	-	50	2	
Cowpea	-	3	-	( )
Peas (green)	-	159	13	( )
Cut Flower	-	12	-	
qulqas	-	1	-	



جدول 45: عدد الحيازات الزراعية التي فيها خضراوات في محافظة رفح حسب العروة الزراعية والمساحة المحصودة، 2010/2009

**Table 45: Number of Agricultural Holdings which have Vegetables in Rafah Governorate by Agricultural Session and Harvested Area, 2009/2010**

Harvested Area in Dunum	Agricultural Session				المساحة المحصودة بالدونم
	خريفي Autumn	صيفي Summer	ربيعي Spring	شتوي Winter	
Up to 2.99	77	328	97	564	حتى 2.99
3 - 5.99	21	146	39	234	3 - 5.99
6 - 9.99	9	61	5	90	6 - 9.99
10 - 19.99	-	43	6	61	10 - 19.99
20 - 29.99	2	6	2	15	20 - 29.99
30 - 39.99	-	2	1	1	30 - 39.99
40 - 49.99	-	3	-	3	40 - 49.99
50 - 59.99	-	2	-	2	50 - 59.99
60 - 69.99	1	2	-	2	60 - 69.99
70 +	-	-	-	1	+ 70

جدول 46: عدد الحيازات الزراعية التي فيها خضراوات في محافظة رفح حسب نمط الري ونوع الحماية والعروة الزراعية، 2010/2009  
**Table 46: Area of Vegetables in Rafah Governorate by Type of Irrigation, Type of Protection and Agricultural Session 2009/2010**

Area in Dunum

المساحة بالدونم

Agricultural Session	Type of Irrigation and Protection			نمط الري وتوع الحماية			العروة الزراعية
	Type of protection			مكشوف غير مبين Open Not Stated	مكشوف مروى Open Irrigated	مكشوف بعلي Open Rainfed	
	بيوت بلاستيكية Plastic House	أنفاق فرنسية French Tunnel	أنفاق أرضية Surface Tunnel				
Winter	614	3	16	4	494	13	شتوي
Spring	95	1	5	-	79	-	ربيعي
Summer	387	1	14	2	313	5	صيفي
Autumn	83	-	4	-	49	-	خريفي

جدول 47: مساحة الخضراوات في محافظة رفح حسب العروة الزراعية ونوع المحصول، 2010/2009

**Table 47: Area of Vegetables in Rafah Governorate by Agricultural Session and Type of Crop, 2009/2010**

Area in Dunum

المساحة بالدونم

Type of Crop	Agricultural Session					نوع المحصول
	المجموع Total	خريفي Autumn	صيفي Summer	ربيعي Spring	شتوي Winter	
Maize	17.97	-	8.74	5.00	4.23	
White Cabbage	47.63	1.76	9.46	-	36.41	
Red Cabbage	3.41	-	-	-	3.41	
Cauliflower	52.33	1.95	1.45	2.00	46.93	
Lettuce	2.65	0.06	-	1.90	0.69	
Spinach	6.30	-	-	-	6.30	
Jew's Mallow	277.95	45.02	69.71	56.32	106.90	
Parsley	6.30	0.16	2.07	-	4.07	
Chard	1.03	-	0.50	-	0.53	
Arugula	15.42	2.90	4.84	3.20	4.48	
Cucumber	951.70	32.55	416.99	78.58	423.58	
Snake cucumber	5.00	-	5.00	-	-	
Eggplant	282.14	21.32	179.63	14.62	66.57	
Tomato	2,061.71	128.90	1,003.61	108.96	820.24	
Water Melon	132.97	-	82.47	14.00	36.50	
Muskmelon	134.73	1.00	15.68	2.48	115.57	
Squash	140.36	11.50	64.35	14.95	49.56	
Gourd	7.10	1.00	-	5.00	1.10	
Okra	85.10	-	49.02	10.00	26.08	
Garlic (green)	1.20	-	-	-	1.20	
Onion (green)	199.01	5.80	17.50	14.02	161.69	
Radish	10.88	3.07	0.28	2.54	4.99	
Other Vegetables	110.80	9.50	82.61	-	18.69	
Strawberry	0.10	-	-	-	0.10	
Potato	1,999.74	44.66	510.38	100.05	1,344.65	
Sweet Potato	13.17	-	-	6.00	7.17	
Paprika	145.07	24.00	49.02	5.00	67.05	
Hot Pepper	308.73	26.56	133.55	20.57	128.05	
Kidney Bean (green)	5.00	-	4.00	-	1.00	
Broad Bean (green)	108.85	-	-	6.00	102.85	
Cowpea	3.88	-	3.50	0.38	-	( )
Peas (green)	695.21	38.51	9.90	60.50	586.30	( )
Cut Flower	33.74	-	19.94	-	13.80	
qulqas	3.00	-	-	-	3.00	
<b>Total</b>	<b>7,870.18</b>	<b>400.22</b>	<b>2,744.20</b>	<b>532.07</b>	<b>4,193.69</b>	

جدول 48: مساحة الخضراوات في محافظة رفح حسب وضع المحصول ونوع المحصول، 2010/2009

**Table 48: Area of Vegetables in Rafah Governorate by Status of Crops and Type of Crop, 2009/2010**

Area in Dunum

المساحة بالدونم

Type of Crop	Status of Crop			وضع المحصول	نوع المحصول
	المجموع Total	مختلط Mixed	مقترن Associated	منفرد Single	
Maize	17.97	-	0.01	17.96	
White Cabbage	47.63	0.40	0.20	47.03	
Red Cabbage	3.41	-	-	3.41	
Cauliflower	52.33	0.40	-	51.93	
Lettuce	2.65	0.10	0.10	2.45	
Spinach	6.30	0.25	0.20	5.85	
Jew's Mallow	277.95	1.10	5.08	271.77	
Parsley	6.30	1.32	0.29	4.69	
Chard	1.03	-	0.20	0.83	
Arugula	15.42	0.05	0.69	14.68	
Cucumber	951.70	1.96	3.31	946.43	
Snake cucumber	5.00	-	-	5.00	
Eggplant	282.14	0.70	6.41	275.03	
Tomato	2,061.71	1.98	17.47	2,042.26	
Water Melon	132.97	-	5.00	127.97	
Muskmelon	134.73	-	-	134.73	
Squash	140.36	-	1.00	139.36	
Gourd	7.10	-	1.00	6.10	
Okra	85.10	-	0.58	84.52	
Garlic (green)	1.20	-	-	1.20	
Onion (green)	199.01	0.40	11.09	187.52	
Radish	10.88	0.47	1.17	9.24	
Other Vegetables	110.80	-	-	110.80	
Strawberry	0.10	-	-	0.10	
Potato	1,999.74	-	18.63	1,981.11	
Sweet Potato	13.17	-	-	13.17	
Paprika	145.07	-	0.50	144.57	
Hot Pepper	308.73	6.22	14.49	288.02	
Kidney Bean (green)	5.00	-	-	5.00	
Broad Bean (green)	108.85	0.60	11.62	96.63	
Cowpea	3.88	-	-	3.88	( )
Peas (green)	695.21	1.50	59.68	634.03	( )
Cut Flower	33.74	-	-	33.74	
qulqas	3.00	-	-	3.00	
<b>Total</b>	<b>7,870.18</b>	<b>17.45</b>	<b>158.72</b>	<b>7,694.01</b>	

جدول 49: مساحة الخضراوات في محافظة رفح حسب نمط الري ونوع الحماية ونوع المحصول والمساحة المحصودة، 2010/2009

Table 49: Area of Vegetables in Rafah Governorate by Type of Irrigation, Type of Protection, Type of Crop and Harvested Area, 2009/2010

Area in Dunum

المساحة بالدونم

Type of Crop	المساحة المحصودة Harvested Area	المجموع Total	نمط الري ونوع الحماية						نوع المحصول
			Type of Irrigation and Type of Protection			نوع الحماية			
			Type of Protection		أنفاق أرضية	مكشوف غير مبين	مكشوف مروي	مكشوف بعلي	
بيوت بلاستيكية	أنفاق فرنسية	أنفاق أرضية	Open Not Stated	Open Irrigated	Open Rainfed				
			Plastic House	French Tunnel	Surface Tunnel	Open Not Stated	Open Irrigated	Open Rainfed	
Maize	15.74	17.97	-	-	-	-	17.97	-	
White Cabbage	45.26	47.63	-	-	-	-	47.63	-	
Red Cabbage	1.50	3.41	-	-	-	-	3.41	-	
Cauliflower	50.33	52.33	-	-	-	-	52.33	-	
Lettuce	2.23	2.65	-	-	-	-	2.65	-	
Spinach	5.32	6.30	-	-	-	0.20	6.10	-	
Jew's Mallow	255.17	277.95	254.20	-	-	-	23.75	-	
Parsley	6.27	6.30	-	-	-	-	6.30	-	
Chard	1.03	1.03	-	-	-	-	1.03	-	
Arugula	12.60	15.42	-	-	-	0.20	15.22	-	
Cucumber	899.49	951.70	896.49	3.00	18.00	2.00	32.21	-	
Snake cucumber	5.00	5.00	-	-	-	-	5.00	-	
Eggplant	258.18	282.14	73.47	-	11.00	2.20	195.47	-	
Tomato	1,873.98	2,061.71	1,363.23	4.50	24.00	-	669.98	-	
Water Melon	113.87	132.97	9.00	4.00	17.50	-	102.47	-	
Muskmelon	132.25	134.73	130.23	-	4.50	-	0.00	-	
Squash	131.33	140.36	24.11	-	32.70	-	83.55	-	
Gourd	7.10	7.10	-	-	5.00	-	2.10	-	
Okra	85.10	85.10	21.70	-	4.00	-	59.40	-	
Garlic (green)	1.20	1.20	1.00	-	-	-	0.20	-	
Onion (green)	192.53	199.01	1.99	-	-	-	194.02	3.00	
Radish	9.17	10.88	-	-	-	0.20	10.68	-	
Other Vegetables	96.12	110.80	110.80	-	-	-	0.00	-	
Strawberry	0.10	0.10	-	-	-	-	0.10	-	
Potato	1,911.47	1,999.74	-	-	-	4.00	1,980.74	15.00	
Sweet Potato	13.17	13.17	-	-	-	-	13.17	-	
Paprika	143.07	145.07	144.07	-	-	-	1.00	-	
Hot Pepper	276.48	308.73	154.85	-	4.00	1.00	148.88	-	
Kidney Bean (green)	4.00	5.00	1.00	-	-	-	4.00	-	
Broad Bean (green)	108.85	108.85	0.20	-	-	0.20	104.55	3.90	
Cowpea	3.88	3.88	-	-	-	-	3.88	-	( )
Peas (green)	664.63	695.21	6.98	-	-	2.00	662.58	23.65	( )
Cut Flower	30.90	33.74	33.74	-	-	-	0.00	-	
qulqas	3.00	3.00	-	-	-	-	3.00	-	
<b>Total</b>	<b>7,360.32</b>	<b>7,870.18</b>	<b>3,227.06</b>	<b>11.50</b>	<b>120.70</b>	<b>12.00</b>	<b>4,453.37</b>	<b>45.55</b>	

جدول 50: مساحة الخضراوات المروية في محافظة رفح حسب نمط الري وطريقة الري ونوع المحصول، 2010/2009

Table 50: Area of Irrigated Vegetables in Rafah Governorate by Type of Irrigation, Method of Irrigation and Type of Crop, 2009/2010

Area in Dunum

المساحة بالدونم

Type of Crop	المجموع Total	نمط وطريقة الري Type and Method of Irrigation						نوع المحصول
		Protected			Open Irrigated			
		رشاشات Sprinkler	تنقيط Drip	محمي سطحي Surface	رشاشات Sprinkler	تنقيط Drip	مكتشوف مروي سطحي Surface	
Maize	17.97	-	-	-	-	17.97	-	
White Cabbage	47.63	-	-	-	-	47.63	-	
Red Cabbage	3.41	-	-	-	-	3.41	-	
Cauliflower	52.33	-	-	-	-	52.33	-	
Lettuce	2.65	-	-	-	-	0.74	1.91	
Spinach	6.10	-	-	-	-	6.09	0.01	
Jew's Mallow	277.95	2.00	252.20	-	-	20.80	2.95	
Parsley	6.30	-	-	-	-	5.13	1.17	
Chard	1.03	-	-	-	-	1.03	-	
Arugula	15.22	-	-	-	-	12.56	2.66	
Cucumber	949.70	8.70	905.79	3.00	-	32.21	-	
Snake cucumber	5.00	-	-	-	-	5.00	-	
Eggplant	279.94	-	84.47	-	-	194.82	0.65	
Tomato	2,061.71	12.97	1,371.76	7.00	-	669.54	0.44	
Water Melon	132.97	-	30.50	-	-	96.47	6.00	
Muskmelon	134.73	-	134.73	-	-	-	-	
Squash	140.36	-	51.81	5.00	-	78.55	5.00	
Gourd	7.10	-	5.00	-	-	2.10	-	
Okra	85.10	-	25.70	-	-	59.40	-	
Garlic (green)	1.20	-	1.00	-	-	0.20	-	
Onion (green)	196.01	-	1.99	-	-	192.12	1.90	
Radish	10.68	-	-	-	-	7.31	3.37	
Other Vegetables	110.80	-	110.80	-	-	-	-	
Strawberry	0.10	-	-	-	-	-	0.10	
Potato	1,980.74	-	-	-	17.00	1,934.33	29.41	
Sweet Potato	13.17	-	-	-	-	13.17	-	
Paprika	145.07	0.90	143.17	-	-	1.00	-	
Hot Pepper	307.73	1.00	157.85	-	-	146.93	1.95	
Kidney Bean (green)	5.00	-	1.00	-	-	4.00	-	
Broad Bean (green)	104.75	-	0.20	-	-	101.75	2.80	
Cowpea	3.88	-	-	-	-	3.88	-	( )
Peas (green)	669.56	-	6.98	-	-	627.78	34.80	( )
Cut Flower	33.74	-	33.74	-	-	-	-	
qulqas	3.00	-	-	-	-	3.00	-	
<b>Total</b>	<b>7,812.63</b>	<b>25.57</b>	<b>3,318.69</b>	<b>15.00</b>	<b>17.00</b>	<b>4,341.25</b>	<b>95.12</b>	

جدول 51: مساحة الخضراوات في محافظة رفح حسب وضع المحصول والعروة الزراعية، 2010/2009

Table 51: Area of Vegetables in Rafah Governorate by Status of Crop and Agricultural Session, 2009/2010

Agricultural Session	المجموع Total	Status of Crop			المساحة بالدونم
		مختلط Mixed	مقترن Associated	منفرد Single	
Winter	4,193.69	14.21	85.90	4,093.58	شتوي
Spring	532.07	-	23.05	509.02	ربيعي
Summer	2,744.20	3.24	37.64	2,703.32	صيفي
Autumn	400.22	-	12.13	388.09	خريفي
<b>Total</b>	<b>7,870.18</b>	<b>17.45</b>	<b>158.72</b>	<b>7,694.01</b>	<b>المجموع</b>

جدول 52: مساحة الخضراوات في محافظة رفح حسب نمط الري وطريقة الري والعروة الزراعية، 2010/2009

Table 52: Area of Vegetables in Rafah Governorate by Type of Irrigation, Method of Irrigation and Agricultural Session, 2009/2010

Area in Dunum

المساحة بالدونم

Agricultural Session	المجموع Total	Type and Method of Irrigation					نمط وطريقة الري			العروة الزراعية
		Protected		مكتشوف غير مبيّن Open Not Stated	Open Irrigated		مكتشوف مروي Open Rainfed			
		محمي رشاشات Sprinkler	تنقيط Drip		سطحي Surface	مكتشوف مروي رشاشات Sprinkler		تنقيط Drip	سطحي Surface	
Winter	4,193.69	20.57	1,803.48	15.00	7.00	17.00	2,215.27	74.72	40.65	شثوي
Spring	532.07	1.00	236.77	-	-	-	291.47	2.83	-	ربيعي
Summer	2,744.20	4.00	1,094.86	-	5.00	-	1,621.77	13.67	4.90	صيفي
Autumn	400.22	-	183.58	-	-	-	212.74	3.90	-	خريفي
<b>Total</b>	<b>7,870.18</b>	<b>25.57</b>	<b>3,318.69</b>	<b>15.00</b>	<b>12.00</b>	<b>17.00</b>	<b>4,341.25</b>	<b>95.12</b>	<b>45.55</b>	المجموع



جدول 53: مساحة الخضراوات في محافظة رفح حسب نمط الري ونوع الحماية والعروة الزراعية، 2010/2009

**Table 53: Area of Vegetables in Rafah Governorate by Type of Irrigation, Type of Protection and Agricultural Session, 2009/2010**

Area in Dunum

المساحة بالدونم

Agricultural Session	المجموع Total	Type of Irrigation and Type of Protection					نمط الري ونوع الحماية		العروة الزراعية
		Type of protection		نوع الحماية			مكتشوف مروي Open Irrigated	مكتشوف بعلي Open Rainfed	
		بيوت بلاستيكية Plastic House	أنفاق فرنسية French Tunnel	أنفاق أرضية Surface Tunnel	مكتشوف غير ميبين Open Not Stated				
Winter	4,193.69	1,742.35	11.50	85.20	7.00	2,306.99	40.65	شتوي	
Spring	532.07	211.77	-	26.00	-	294.30	-	ربيعي	
Summer	2,744.20	1,094.36	-	4.50	5.00	1,635.44	4.90	صيفي	
Autumn	400.22	178.58	-	5.00	-	216.64	-	خريفي	
<b>Total</b>	<b>7,870.18</b>	<b>3,227.06</b>	<b>11.50</b>	<b>120.70</b>	<b>12.00</b>	<b>4,453.37</b>	<b>45.55</b>	المجموع	

جدول 54: مساحة الخضراوات في محافظة رفح حسب نمط الري وطريقة الري ووضع المحصول، 2010/2009

Table 54: Area of Vegetables in Rafah Governorate by Type of Irrigation, Method of Irrigation and Status of Crop, 2009/2010

Area in Dunum

المساحة بالدونم

Status of Crop	المجموع Total	نمط وطريقة الري							وضع المحصول	
		Type and Method of Irrigation			مكتشوف غير مبيّن Open Not Stated	Open Irrigated				مكتشوف بعلي Open Rainfed
		محمي	مكتشوف مروي							
رشاشات Sprinkler	تنقيط Drip	سطحي Surface	رشاشات Sprinkler	تنقيط Drip	سطحي Surface					
Single	7,694.01	25.57	3,308.00	15.00	12.00	17.00	4,187.44	92.80	36.20	منفرد
Associated	158.72	-	5.79	-	-	-	142.35	1.23	9.35	مقترن
Mixed	17.45	-	4.90	-	-	-	11.46	1.09	-	مختلط
<b>Total</b>	<b>7,870.18</b>	<b>25.57</b>	<b>3,318.69</b>	<b>15.00</b>	<b>12.00</b>	<b>17.00</b>	<b>4,341.25</b>	<b>95.12</b>	<b>45.55</b>	<b>المجموع</b>

جدول 55: مساحة الخضراوات في محافظة رفح حسب نمط الري ونوع الحماية ووضع المحصول، 2010/2009  
**Table 55: Area of Vegetables in Rafah Governorate by Type of Irrigation, Type of Protection and Status of Crop, 2009/2010**

Area: Dunum

المساحة: دونم

Status of Crop	المجموع Total	Type of Irrigation and Protection					نمط الري ونوع الحماية		وضع المحصول
		Type of Protection			غير مبيّن Not Stated	مكتشوف مروي Open Irrigated	مكتشوف Open يعلي Rainfed		
		بيوت بلاستيكية Plastic House	أنفاق فرنسية French Tunnel	أنفاق أرضية Surface Tunnel					
Single	7,694.01	3,216.37	11.50	120.70	12.00	4,297.24	36.20	منفرد	
Associated	158.72	5.79	-	-	-	143.58	9.35	مقترن	
Mixed	17.45	4.90	-	-	-	12.55	-	مختلط	
<b>Total</b>	<b>7,870.18</b>	<b>3,227.06</b>	<b>11.50</b>	<b>120.70</b>	<b>12.00</b>	<b>4,453.37</b>	<b>45.55</b>	المجموع	

2010/2009

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**Table 56: Number of Agricultural Holdings which have Tree Horticulture in Rafah Governorate by Status of Crop and Type of Crop, 2009/2010**

Type of Crop	Status of Crop			
	Mixed	Associated	Single	
Banana	1	-	-	
Date	212	25	152	
Fig	81	6	36	
Mango	6	-	1	
Aloe	2	5	20	
Guava	119	16	81	
Custard apple	4	1	1	
Grapefruit	3	-	-	
Bomaly	7	1	3	
Lemon	278	24	292	
Orange, Valencia Orange	141	6	162	
Navel Orange	1	-	7	
Francaawy Orange	1	-	-	
Mandarin	-	-	1	
Clement	67	13	110	
Poppy	2	2	6	
Other Citrus	64	8	23	
Grape	48	4	56	
Berry	1	-	2	
Apple	16	2	14	
Apricot	-	-	1	
Cherry	1	-	-	
Peach	9	4	34	( )
Plum	2	-	1	
Almond (hard)	17	6	40	
Pomegranate	10	2	2	
Other Trees	186	24	55	
Olive	360	96	1,182	

2010/2009

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**Table 57: Number of Agricultural Holdings which have Tree Horticulture in Rafah Governorate by Type of Irrigation and Type of Crop, 2009/2010**

Type of Crop	Type of Irrigation				
	Not Stated	Protected	Open Irrigated	Rainfed	
Banana	-	-	1	-	
Date	1	-	325	61	
Fig	-	-	119	4	
Mango	-	-	7		
Aloe	1	-	3	23	
Guava	-	-	204	8	
Custard apple	-	-	6	-	
Grapefruit	-	-	3	-	
Bomaly	-	-	11	-	
Lemon	3	-	585	4	
Orange, Valencia Orange	-	-	309	-	
Navel Orange	-	-	8	-	
Francaawy Orange	-	-	1	-	
Mandarin	-	-	1	-	
Clement	-	-	189	1	
Poppy	-	-	10	-	
Other Citrus	-	-	95	-	
Grape	-	12	95	1	
Berry	-	-	3	-	
Apple	-	-	32	-	
Apricot	-	-	1	-	
Cherry	-	-	1	-	
Peach	-	-	47	-	( )
Plum	-	-	3	-	
Almond (hard)	-	-	33	29	
Pomegranate	-	-	14	-	
Other Trees	1	-	261	3	أشجار بستنة أخرى
Olive	5	-	1,433	172	زيتون

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**Table 58: Number of Agricultural Holdings which have Irrigated Tree Horticulture in Rafah Governorate by Method of Irrigation and Type of Crop, 2009/2010**

Type of Crop	Method of Irrigation				
	Not Stated	Sprinkler	Drip	Surface	
Banana	-	-	-	1	
Date	-	1	131	195	
Fig	-	-	36	83	
Mango	-	-	2	5	
Aloe	-	-	2	1	
Guava	-	-	90	114	
Custard apple	-	-	3	3	
Grapefruit	-	-	1	2	
Bomaly	-	-	5	6	
Lemon	-	-	199	386	
Orange, Valencia Orange	-	-	117	192	
Navel Orange	-	-	6	2	
Francawy Orange	-	-	-	1	
Mandarin	-	-	1	-	
Clement	-	-	87	102	
Poppy	-	-	8	2	
Other Citrus	-	1	19	75	
Grape	1	1	59	45	
Berry	-	-	1	2	
Apple	-	-	11	21	
Apricot	-	-	-	1	
Cherry	-	-	-	1	
Peach	-	-	21	27	( )
Plum	-	-	-	3	
Almond (hard)	-	-	8	25	
Pomegranate	-	-	6	8	
Other Trees	-	1	72	188	
Olive	-	2	483	956	

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**Table 59: Number and Area of Bearing and Unbearing Horticulture Trees in Rafah Governorate by Method of Farming and Type of Crop, As in 01/10/2010**

Area: Dunum, Number: Tree

Type of Crop	Method of Farming											
	Total				Unbearing				Bearing			
	Scattered		Compact		Scattered		Compact		Scattered		Compact	
	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number
Banana	-	-	0.01	1	-	-	-	-	-	-	0.01	1
Date	18.51	273	191.65	6,539	4.60	192	56.06	2,421	13.91	81	135.59	4,118
Fig	1.69	24	29.59	833	0.10	10	7.44	189	1.59	14	22.15	644
Mango	-	-	0.53	29	-	-	0.80	10	-	-	0.45	19
Aloe	2.40	24	10.65	540	-	-	-	-	2.40	24	10.65	540
Guava	29.25	302	119.89	4,856	3.20	23	7.31	324	26.05	279	112.58	4,532
Custard apple	-	-	0.43	17	-	-	0.03	1	-	-	0.40	16
Grapefruit	-	-	0.75	29	-	-	-	-	-	-	0.75	29
Bomaly	-	-	3.91	204	-	-	0.05	2	-	-	3.86	202
Lemon	92.83	1,650	365.72	18,393	8.73	149	73.02	3,206	84.10	1,501	292.70	15,187
Orange, Valencia Orange	89.11	1,555	358.13	17,584	3.53	62	62.23	2,859	85.58	1,493	295.90	14,725
Navel Orange	2.50	60	11.30	588	-	-	0.20	10	2.50	60	11.10	578
Francauy Orange	-	-	0.10	5	-	-	-	-	-	-	0.10	5
Mandarin	-	-	0.50	20	-	-	0.50	20	-	-	-	-
Clement	36.38	578	265.45	13,855	9.70	172	54.19	2,764	26.68	406	211.26	11,091
Poppy	-	-	16.50	814	-	-	3.00	154	-	-	13.50	660
Other Citrus	11.80	182	33.85	1,531	0.90	9	6.69	441	10.90	173	27.16	1,090

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**Table 59 (Cont.): Number and Area of Bearing and Unbearing Horticulture Trees in Rafah Governorate by Method of Farming and Type of Crop, As in 01/10/2010**

Area: Dunum, Number: Tree

Type of Crop	Method of Farming											
	Total				Unbearing				Bearing			
	Scattered		Compact		Scattered		Compact		Scattered		Compact	
	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number
Grape	8.20	239	200.19	27,956	0.84	22	52.88	6,523	7.36	217	147.31	21,433
Berry	-	-	0.22	6	-	-	-	-	-	-	0.22	6
Apple	7.43	73	19.90	755	-	-	4.36	158	7	73	15.54	597
Apricot	0.05	2	-	-	-	-	-	-	0.05	2	-	-
Cherry	-	-	0.10	2	-	-	-	-	-	-	0.10	2
Peach	34.17	597	100.56	3,822	7.48	205	32.68	1,271	27	392	67.88	2,551
Plum	-	-	0.39	12	-	-	-	-	-	-	0.39	12
Almond (hard)	23.20	438	107.00	4,469	9.00	110	22.49	853	14.20	328	84.51	3,616
Pomegranate	0.36	3	1.11	44	-	-	0.42	18	0.36	3	0.69	26
Other Trees	32.57	519	70.92	3,838	3.64	71	9.75	604	28.93	448	61.17	3,234
Olive	201.58	1,578	3,065.01	78,197	10.86	63	465.79	13,049	190.72	1,515	2,599.22	65,148
<b>Total</b>	<b>592.03</b>	<b>8,097</b>	<b>4,974.36</b>	<b>184,939</b>	<b>62.58</b>	<b>1,088</b>	<b>859.17</b>	<b>34,877</b>	<b>529.45</b>	<b>7,009</b>	<b>4,115.19</b>	<b>150,062</b>



جدول 60: عدد ومساحة أشجار البستنة المثمرة في محافظة رفح حسب وضع المحصول ونوع المحصول، كما هو في 2010/10/01

Table 60: Number and Area of Bearing Horticulture Trees in Rafah Governorate by Status of Crop and Type of Crop, As in 01/10/2010

Area: Dunum, Number: Tree

المساحة: دونم، العدد: شجرة

Type of Crop	Status of Crop						وضع المحصول		نوع المحصول
	المجموع		مختلط		مقترن		منفرد		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	Area	Number	
Banana	0.01	1	0.01	1	-	-	-	-	
Date	149.50	4,199	52.17	1,479	14.90	209	82.43	2,511	
Fig	23.74	658	10.78	353	0.57	23	12.39	282	
Mango	0.45	19	0.34	13	-	-	0.11	6	
Aloe	13.05	564	0.42	17	1.34	36	11.29	511	
Guava	138.63	4,811	24.64	1,019	6.84	190	107.15	3,602	
Custard apple	0.40	16	0.38	15	-	-	0.02	1	
Grapefruit	0.75	29	0.75	29	-	-	-	-	
Bomaly	3.86	202	1.84	66	-	-	2.02	136	
Lemon	376.80	16,688	82.49	3,508	10.78	505	283.53	12,675	
Orange, Valencia	381.48	16,218	60.52	2,611	3.10	61	317.86	13,546	
Orange									
Navel Orange	13.60	638	0.10	3	-	-	13.50	635	
Francaawy Orange	0.10	5	0.10	5	-	-	-	-	
Clement	237.94	11,497	34.27	1,210	4.17	272	199.50	10,015	
Poppy	13.50	660	1.80	80	2.00	100	9.70	480	
Other Citrus	38.06	1,263	21.15	739	1.67	58	15.24	466	
Grape	154.67	21,650	6.92	309	0.58	1	147.17	21,340	
Berry	0.22	6	0.10	2	-	-	0.12	4	
Apple	22.97	670	3.65	95	1.50	35	17.82	540	
Apricot	0.05	2	-	-	-	-	0.05	2	
Cherry	0.10	2	0.10	2	-	-	-	-	
Peach	94.57	2,943	3.57	79	2.23	69	88.77	2,795	( )
Plum	0.39	12	0.24	7	-	-	0.15	5	
Almond (hard)	98.71	3,944	9.21	305	2.20	60	87.30	3,579	
Pomegranate	1.05	29	0.64	20	0.29	4	0.12	5	
Other Trees	90.10	3,682	46.64	2,298	10.74	417	32.72	967	
Olive	2,789.94	66,663	235.17	6,027	122.45	2,911	2,432.32	57,725	
<b>Total</b>	<b>4,644.64</b>	<b>157,071</b>	<b>598.00</b>	<b>20,292</b>	<b>185.36</b>	<b>4,951</b>	<b>3,861.28</b>	<b>131,828</b>	

جدول 61: عدد ومساحة أشجار البستنة غير المثمرة في محافظة رفح حسب وضع المحصول ونوع المحصول، كما هو في 2010/10/01

Table 61: Number and Area of Unbearing Horticulture Trees in Rafah Governorate by Status of Crop and Type of Crop, As in 01/10/2010

Area: Dunum, Number: Tree

المساحة: دونم، العدد: شجرة

Type of Crop	Status of Crop						وضع المحصول		نوع المحصول
	Total		Mixed		Associated		Single		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	Area	Number	
Date	60.66	2,613	24.38	942	3.28	103	33.00	1,568	
Fig	7.54	199	2.97	94	0.30	9	4.27	96	
Mango	0.08	10	0.08	10	-	-	-	-	
Guava	10.51	347	1.19	55	2.18	60	7.14	232	
Custard apple	0.03	1	-	-	0.03	1	-	-	
Bomaly	0.05	2	0.02	1	0.03	1	-	-	
Lemon	81.75	3,355	10.48	498	13.53	559	57.74	2,298	
Orange, Valencia	65.76	2,921	5.69	259	1.03	42	59.04	2,620	
Orange									
Navel Orange	0.20	10	0.20	10	-	-	-	-	
Mandarin	0.50	20	-	-	-	-	0.50	20	
Clement	63.89	2,936	4.20	284	3.00	118	56.69	2,534	
Poppy	3.00	154	-	-	2.00	104	1.00	50	
Other Citrus	7.59	450	4.57	307	0.90	68	2.12	75	
Grape	53.72	6,545	1.18	144	7.22	1,413	45.32	4,988	
Apple	4.36	158	0.27	6	0.05	1	4.04	151	
Peach	40.16	1,476	0.06	2	2.00	100	38.10	1,374	( )
Almond (hard)	31.49	963	0.05	3	17.00	625	14.44	335	
Pomegranate	0.42	18	0.42	18	-	-	-	-	
Other Trees	13.39	675	9.52	541	0.93	49	2.94	85	
Olive	476.65	13,112	43.34	1,717	56.75	1,441	376.56	9,954	
<b>Total</b>	<b>921.75</b>	<b>35,965</b>	<b>108.62</b>	<b>4,891</b>	<b>110.23</b>	<b>4,694</b>	<b>702.90</b>	<b>26,380</b>	

جدول 62: عدد ومساحة أشجار البستنة المثمرة في محافظة رفح حسب نمط الري ونوع المحصول، كما هو في 2010/10/01

Table 62: Number and Area of Bearing Horticulture Trees in Rafah Governorate by Type of Irrigation and Type of Crop, As in 01/10/2010

Area: Dunum, Number: Tree

المساحة: دونم، العدد: شجرة

Type of Crop	Type of Irrigation				نمط الري				نوع المحصول
	المجموع		غير مبين		مروي		بعلي		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	Area	Number	
Banana	0.01	1	-	-	0.01	1	-	-	
Date	149.50	4,199	2.00	100	127.04	3,384	20.46	715	
Fig	23.74	658	-	-	22.84	627	0.90	31	
Mango	0.45	19	-	-	0.45	19	-	-	
Aloe	13.05	564	0.50	2	1.20	38	11.35	524	
Guava	138.63	4,811	-	-	136.93	4,746	1.70	65	
Custard apple	0.40	16	-	-	0.40	16	-	-	
Grapefruit	0.75	29	-	-	0.75	29	-	-	
Bomaly	3.86	202	-	-	3.86	202	-	-	
Lemon	376.80	16,688	4.30	205	369.04	16,332	3.46	151	
Orange, Valencia	381.48	16,218	-	-	381.48	16,218	-	-	
Orange									
Navel Orange	13.60	638	-	-	13.60	638	-	-	
Francaawy Orange	0.10	5	-	-	0.10	5	-	-	
Clement	237.94	11,497	-	-	237.74	11,493	0.20	4	
Poppy	13.50	660	-	-	13.50	660	-	-	
Other Citrus	38.06	1,263	-	-	38.06	1,263	-	-	
Grape	154.67	21,650	-	-	154.09	21,649	0.58	1	
Berry	0.22	6	-	-	0.22	6	-	-	
Apple	22.97	670	-	-	22.97	670	-	-	
Apricot	0.05	2	-	-	0.05	2	-	-	
Cherry	0.10	2	-	-	0.10	2	-	-	
Peach	94.57	2,943	-	-	94.57	2,943	-	-	( )
Plum	0.39	12	-	-	0.39	12	-	-	
Almond (hard)	98.71	3,944	-	-	18.01	407	80.70	3,537	
Pomegranate	1.05	29	-	-	1.05	29	-	-	
Other Trees	90.10	3,682	1.00	50	87.70	3,542	1.40	90	
Olive	2,789.94	66,663	9.50	305	2,512.61	60,390	267.83	5,968	
<b>Total</b>	<b>4,644.64</b>	<b>157,071</b>	<b>17.30</b>	<b>662</b>	<b>4,238.76</b>	<b>145,323</b>	<b>388.58</b>	<b>11,086</b>	

جدول 63: عدد ومساحة أشجار البستنة غير المثمرة في محافظة رفح حسب نمط الري ونوع المحصول، كما هو في 2010/10/01

**Table 63: Number and Area of Unbearing Horticulture Trees in Rafah Governorate by Type of Irrigation and Type of Crop, As in 01/10/2010**

Area: Dunum, Number: Tree

المساحة: دونم، العدد: شجرة

Type of Crop	Type of Irrigation				نمط الري		نوع المحصول
	المجموع		مرروي		بعلبي		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	
Date	60.66	2,613	60.36	2,601	0.30	12	
Fig	7.54	199	7.54	199	-	-	
Mango	0.08	10	0.08	10	-	-	
Guava	10.51	347	10.51	347	-	-	
Custard apple	0.03	1	0.03	1	-	-	
Bomaly	0.05	2	0.05	2	-	-	
Lemon	81.75	3,355	81.75	3,355	-	-	
Orange, Valencia Orange	65.76	2,921	65.76	2,921	-	-	
Navel Orange	0.20	10	0.20	10	-	-	
Mandarin	0.50	20	0.50	20	-	-	
Clement	63.89	2,936	63.89	2,936	-	-	
Poppy	3.00	154	3.00	154	-	-	
Other Citrus	7.59	450	7.59	450	-	-	
Grape	53.72	6,545	53.72	6,545	-	-	
Apple	4.36	158	4.36	158	-	-	
Peach	40.16	1,476	40.16	1,476	-	-	( )
Almond (hard)	31.49	963	23.49	733	8.00	230	
Pomegranate	0.42	18	0.42	18	-	-	
Other Trees	13.39	675	13.39	675	-	-	
Olive	476.65	13,112	457.32	12,600	19.33	512	
<b>Total</b>	<b>921.75</b>	<b>35,965</b>	<b>894.12</b>	<b>35,211</b>	<b>27.63</b>	<b>754</b>	

جدول 64: عدد ومساحة أشجار البستنة المثمرة المروية في محافظة رفح حسب طريقة الري ونوع المحصول، كما هو في 2010/10/01

**Table 64: Number and Area of Bearing Irrigated Horticulture Trees in Rafah Governorate by Method of Irrigation and Type of Crop, As in 01/10/2010**

Area: Dunum, Number: Tree

المساحة: دونم، العدد: شجرة

Type of Crop	Method of Irrigation								طريقة الري		نوع المحصول
	المجموع		غير مبيّن		رشاشات		تنقيط		سطحي		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	
Banana	0.01	1	-	-	-	-	-	-	0.01	1	
Date	127.04	3,384	-	-	-	-	55.99	1,551	71.05	1,833	
Fig	22.84	627	-	-	-	-	6.09	156	16.75	471	
Mango	0.45	19	-	-	-	-	0.11	6	0.34	13	
Aloe	1.20	38	-	-	-	-	1.07	28	0.13	10	
Guava	136.93	4,746	-	-	-	-	104.16	3,467	32.77	1,279	
Custard apple	0.4	16	-	-	-	-	0.18	10	0.22	6	
Grapefruit	0.75	29	-	-	-	-	0.20	9	0.55	20	
Bomaly	3.86	202	-	-	-	-	2.79	133	1.07	69	
Lemon	369.04	16,332	-	-	-	-	193.63	8,408	175.41	7,924	
Orange, Valencia Orange	381.48	16,218	-	-	-	-	195.92	8,242	185.56	7,976	
Navel Orange	13.60	638	-	-	-	-	10.00	495	3.60	143	
Francaawy Orange	0.1	5	-	-	-	-	-	-	0.10	5	
Clement	237.74	11,493	-	-	-	-	141.78	6,840	95.96	4,653	
Poppy	13.50	660	-	-	-	-	11.50	560	2.00	100	
Other Citrus	38.06	1,263	-	-	-	-	6.59	255	31.47	1,008	
Grape	154.09	21,649	2.00	550	1.00	20	133.17	19,081	17.92	1,998	
Berry	0.22	6	-	-	-	-	0.02	1	0.20	5	
Apple	22.97	670	-	-	-	-	9.39	408	13.58	262	
Apricot	0.05	2	-	-	-	-	-	-	0.05	2	
Cherry	0.1	2	-	-	-	-	-	-	0.10	2	
Peach	94.57	2,943	-	-	-	-	48.84	1,460	45.73	1,483	( )

جدول 64 (تابع): عدد ومساحة أشجار البستنة المثمرة المروية في محافظة رفح حسب طريقة الري ونوع المحصول، كما هو في 2010/10/01

Table 64 (Cont.): Number and Area of Bearing Irrigated Horticulture Trees in Rafah Governorate by Method of Irrigation and Type of Crop, As in 01/10/2010

Area: Dunum, Number: Tree

المساحة: دونم، العدد: شجرة

Type of Crop	Method of Irrigation								طريقة الري		نوع المحصول
	المجموع		غير مبيّن		رشاشات		تنقيط		سطحي		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	
Plum	0.39	12	-	-	-	-	-	-	0.39	12	
Almond (hard)	18.01	407	-	-	-	-	5.45	105	12.56	302	
Pomegranate	1.05	29	-	-	-	-	0.75	14	0.30	15	
Other Trees	87.70	3,542	-	-	-	-	33.41	920	54.29	2,622	
Olive	2,512.61	60,390	-	-	2.65	70	972.95	26,369	1,537.01	33,951	
<b>Total</b>	<b>4,238.76</b>	<b>145,323</b>	<b>2.00</b>	<b>550</b>	<b>3.65</b>	<b>90</b>	<b>1,933.99</b>	<b>78,518</b>	<b>2,299.12</b>	<b>66,165</b>	

جدول 65: عدد ومساحة أشجار البستنة غير المثمرة المروية في محافظة رفح حسب طريقة الري ونوع المحصول، كما هو في 2010/10/01

Table 65: Number and Area of Unbearing Irrigated Horticulture Trees in Rafah Governorate by Method of Irrigation and Type of Crop, As in 01/10/2011

Area: Dunum, Number: Tree

المساحة: دونم، العدد: شجرة

Type of Crop	Method of Irrigation						طريقة الري		نوع المحصول
	المجموع		رشاشات		تنقيط		سطحي		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	Area	Number	
Date	60.36	2,601	0.10	7	26.45	1,445	33.81	1,149	
Fig	7.54	199	-	-	1.47	70	6.07	129	
Mango	0.08	10	-	-	0.04	4	0.04	6	
Guava	10.51	347	-	-	7.36	142	3.15	205	
Custard apple	0.03	1	-	-	-	-	0.03	1	
Bomaly	0.05	2	-	-	0.02	1	0.03	1	
Lemon	81.75	3,355	-	-	28.20	1,206	53.55	2,149	
Orange, Valencia	65.76	2,921	-	-	38.77	1,812	26.99	1,109	
Orange									
Navel Orange	0.20	10	-	-	-	-	0.20	10	
Mandarin	0.50	20	-	-	0.50	20	-	-	
Clement	63.89	2,936	-	-	36.22	1,754	27.67	1,182	
Poppy	3.00	154	-	-	3.00	154	-	-	
Other Citrus	7.59	450	0.20	15	2.68	99	4.71	336	
Grape	53.72	6,545	-	-	40.74	5,684	12.98	861	
Apple	4.36	158	-	-	2.00	80	2.36	78	
Peach	40.16	1,476	-	-	18.31	726	21.85	750	( )
Almond (hard)	23.49	733	-	-	18.00	505	5.49	228	
Pomegranate	0.42	18	-	-	0.17	10	0.25	8	
Other Trees	13.39	675	0.15	16	5.87	320	7.37	339	
Olive	457.32	12,600	0.05	2	192.34	5,410	264.93	7,188	
<b>Total</b>	<b>894.12</b>	<b>35,211</b>	<b>0.50</b>	<b>40</b>	<b>422.14</b>	<b>19,442</b>	<b>471.48</b>	<b>15,729</b>	

جدول 66: عدد ومساحة أشجار البستنة المثمرة وغير المثمرة في محافظة رفح حسب نوع الحماية ونوع المحصول، كما هو في 2010/10/01

Table 66: Number and Area of Bearing and Unbearing Horticulture Trees in Rafah Governorate by Type of Protection and Type of Crop, As in 01/10/2010

Area: Dunum, Number: Tree

المساحة: دونم، العدد: شجرة

Type of Crop	Type of Protection								نوع المحصول	
	المجموع				Unbearing غير مثمر		Bearing مثمر			
	Open مكشوف		Protected محمي		Open مكشوف		Protected محمي			
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد		
Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	
Banana	0.01	1	-	-	-	-	0.01	1	-	-
Date	210.16	6,812	-	-	60.66	2,613	149.50	4,199	-	-
Fig	31.28	857	-	-	7.54	199	23.74	658	-	-
Mango	0.53	29	-	-	0.08	10	0.45	19	-	-
Aloe	13.05	564	-	-	-	-	13.05	564	-	-
Guava	149.14	5,158	-	-	10.51	347	138.63	4,811	-	-
Custard apple	0.43	17	-	-	0.03	1	0.40	16	-	-
Grapefruit	0.75	29	-	-	-	-	0.75	29	-	-
Bomaly	3.91	204	-	-	0.05	2	3.86	202	-	-
Lemon	458.55	20,043	-	-	81.75	3,355	376.80	16,688	-	-
Orange, Valencia Orange	447.24	19,139	-	-	65.76	2,921	381.48	16,218	-	-
Navel Orange	13.80	648	-	-	0.20	10	13.60	638	-	-
Francauy Orange	0.10	5	-	-	-	-	0.10	5	-	-
Mandarin	0.50	20	-	-	0.50	20	-	-	-	-
Clement	301.83	14,433	-	-	63.89	2,936	237.94	11,497	-	-
Poppy	16.50	814	-	-	3.00	154	13.50	660	-	-
Other Citrus	45.65	1,713	-	-	7.59	450	38.06	1,263	-	-
Grape	186.03	24,373	22.36	3,822	53.72	6,545	132.31	17,828	22.36	3,822
Berry	0.22	6	-	-	-	-	0.22	6	-	-
Apple	27.33	828	-	-	4.36	158	22.97	670	-	-
Apricot	0.05	2	-	-	-	-	0.05	2	-	-



جدول 66 (تابع): عدد ومساحة أشجار البستنة المثمرة وغير المثمرة في محافظة رفح حسب نوع الحماية ونوع المحصول، كما هو في 2010/10/01

Table 66 (Cont.): Number and Area of Bearing and Unbearing Horticulture Trees in Rafah Governorate by Type of Protection and Type of Crop, As in 01/10/2010

Area: Dunum, Number: Tree

المساحة: دونم، العدد: شجرة

Type of Crop	Type of Protection									نوع المحصول	
	المجموع				Unbearing غير مثمر		Bearing مثمر				
	Open مكشوف		Protected محمي		Open مكشوف		Open مكشوف		Protected محمي		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة		العدد
Area	Number	Area	Number	Area	Number	Area	Number	Area	Number		
Cherry	0.10	2	-	-	-	-	0.10	2	-	-	( )
Peach	134.73	4,419	-	-	40.16	1,476	94.57	2,943	-	-	
Plum	0.39	12	-	-	-	-	0.39	12	-	-	
Almond (hard)	130.20	4,907	-	-	31.49	963	98.71	3,944	-	-	
Pomegranate	1.47	47	-	-	0.42	18	1.05	29	-	-	
Other Trees	103.49	4,357	-	-	13.39	675	90.10	3,682	-	-	
Olive	3,266.59	79,775	-	-	476.65	13,112	2,789.94	66,663	-	-	
<b>Total</b>	<b>5,544.03</b>	<b>189,214</b>	<b>22.36</b>	<b>3,822</b>	<b>921.75</b>	<b>35,965</b>	<b>4,622.28</b>	<b>153,249</b>	<b>22.36</b>	<b>3,822</b>	

جدول 67: عدد ومساحة أشجار البستنة المثمرة وغير المثمرة في محافظة رفح حسب طريقة الزراعة ووضع المحصول، كما هو في 2010/10/01

**Table 67: Number and Area of Bearing and Unbearing Horticulture Trees in Rafah Governorate by Method of Farming and Status of Crop, As in 01/10/2010**

Area: Dunum, Number: Tree

المساحة: دونم، العدد: شجرة

Status of Crop	Method of Farming										وضع المحصول		
	المجموع				غير مثمر				مثمر				
	Scattered		Compact		Scattered		Compact		Scattered			Compact	
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد		المساحة	العدد
Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number		
Single	447.01	6,135	4,117.17	152,073	50.31	770	652.59	25,610	396.70	5,365	3,464.58	126,463	منفرد
Associated	37.72	433	257.87	9,212	4.64	88	105.59	4,606	33.08	345	152.28	4,606	
Mixed	107.30	1,529	599.32	23,654	7.63	230	100.99	4,661	99.67	1,299	498.33	18,993	
<b>Total</b>	<b>592.03</b>	<b>8,097</b>	<b>4,974.36</b>	<b>184,939</b>	<b>62.58</b>	<b>1,088</b>	<b>859.17</b>	<b>34,877</b>	<b>529.45</b>	<b>7,009</b>	<b>4,115.19</b>	<b>150,062</b>	المجموع

جدول 68: عدد ومساحة أشجار البستنة المثمرة المروية في محافظة رفح حسب طريقة الري وطريقة الزراعة، كما هو في 2010/10/01

**Table 68: Number and Area of Bearing Irrigated Horticulture Trees in Rafah Governorate by Method of Irrigation and Method of Farming, As in 01/10/2010**

Area in Dunum, Number: Tree

المساحة بالدونم، العدد: شجرة

Method of Farming	Method of Irrigation								طريقة الري		طريقة الزراعة
	المجموع		Not Stated	غير مبين	Sprinkler	رشاشات	Drip	تنقيط	Surface	سطحي	
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	
Compact	3,752.25	138,864	2.00	550	1.00	20	1,721.52	75,564	2,027.73	62,730	مكتف
Scattered	486.51	6,459	-	-	2.65	70	212.47	2,954	271.39	3,435	مبعثر
<b>Total</b>	<b>4,238.76</b>	<b>145,323</b>	<b>2.00</b>	<b>550</b>	<b>3.65</b>	<b>90</b>	<b>1,933.99</b>	<b>78,518</b>	<b>2,299.12</b>	<b>66,165</b>	<b>المجموع</b>

جدول 69: عدد ومساحة أشجار البستنة غير المثمرة المروية في محافظة رفح حسب طريقة الري وطريقة الزراعة، كما هو في 2010/10/01

**Table 69: Number and Area of Unbearing Irrigated Horticulture Trees in Rafah Governorate by Method of Irrigation and Method of Farming, As in 01/10/2010**

Area in Dunum, Number: Tree

المساحة بالدونم، العدد: شجرة

Method of Farming	Method of Irrigation						طريقة الري		طريقة الزراعة
	Total		Sprinkler		Drip		Surface		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	Area	Number	
Compact	834.54	34,159	0.50	40	388.20	18,839	445.84	15,280	مكتف
Scattered	59.58	1,052	-	-	33.94	603	25.64	449	مبعثر
<b>Total</b>	<b>894.12</b>	<b>35,211</b>	<b>0.50</b>	<b>40</b>	<b>422.14</b>	<b>19,442</b>	<b>471.48</b>	<b>15,729</b>	<b>المجموع</b>

جدول 70: عدد ومساحة أشجار البستنة المثمرة وغير المثمرة في محافظة رفح حسب نوع الحماية وطريقة الزراعة، كما هو في 2010/10/01

**Table 70: Number and Area of Bearing and Unbearing Horticulture Trees in Rafah Governorate by Type of Protection and Method of Farming, As in 01/10/2010**

Area in Dunum, Number: Tree

المساحة: دونم، العدد: شجرة

Method of Farming	Type of Protection										طريقة الزراعة
	المجموع				Unbearing غير مثمر		Bearing				
	Open مكشوف		Protected محمي		Open مكشوف		Open مكشوف		Protected محمي		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	
Compact	4,952.00	181,117	22.36	3,822	859.17	34,877	4,092.83	146,240	22.36	3,822	مكثف
Scattered	592.03	8,097	-	-	62.58	1,088	529.45	7,009	-	-	مبعثر
<b>Total</b>	<b>5,544.03</b>	<b>189,214</b>	<b>22.36</b>	<b>3,822</b>	<b>921.75</b>	<b>35,965</b>	<b>4,622.28</b>	<b>153,249</b>	<b>22.36</b>	<b>3,822</b>	<b>المجموع</b>

جدول 71: عدد ومساحة أشجار البستنة المثمرة في محافظة رفح حسب نمط الري ووضع المحصول، كما هو في 2010/10/01

**Table 71: Number and Area of Bearing Horticulture Trees in Rafah Governorate by Type of Irrigation and Status of Crop, As in 01/10/2010**

Area: Dunum, Number: Tree

المساحة بالدونم، العدد: شجرة

Status of Crop	Type of Irrigation								وضع المحصول
	Total		Not Stated		Irrigated		Rainfed		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	Area	Number	
Single	3,861.28	131,828	17.00	657	3,524.97	122,030	319.31	9,141	منفرد
Associated	185.36	4,951	0.30	5	148.80	4,133	36.26	813	مقترن
Mixed	598.00	20,292	-	-	564.99	19,160	33.01	1,132	مختلط
<b>Total</b>	<b>4,644.64</b>	<b>157,071</b>	<b>17.30</b>	<b>662</b>	<b>4,238.76</b>	<b>145,323</b>	<b>388.58</b>	<b>11,086</b>	<b>المجموع</b>

جدول 72: عدد ومساحة أشجار البستنة غير المثمرة في محافظة رفح حسب نمط الري ووضع المحصول، كما هو في 2010/10/01

**Table 72: Number and Area of Unbearing Horticulture Trees in Rafah Governorate by Type of Irrigation and Status of Crop, As in 01/10/2010**

Area in Dunum, Number: Tree

المساحة بالدونم، العدد: شجرة

Status of Crop	Type of Irrigation						وضع المحصول
	المجموع		مروي		بعلي		
	المساحة	العدد	المساحة	العدد	المساحة	العدد	
	Area	Number	Area	Number	Area	Number	
Single	702.90	26,380	687.02	25,954	15.88	426	منفرد
Associated	110.23	4,694	98.73	4,369	11.50	325	مقترن
Mixed	108.62	4,891	108.37	4,888	0.25	3	مختلط
<b>Total</b>	<b>921.75</b>	<b>35,965</b>	<b>894.12</b>	<b>35,211</b>	<b>27.63</b>	<b>754</b>	<b>المجموع</b>

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**Table 73: Number and Area of Bearing Irrigated Horticulture Trees in Rafah Governorate by Method of Irrigation and Status of Crop, As in 01/10/2010**

Area in Dunum, Number: Tree

Status of Crop	Method of Irrigation									
	Total		Not Stated	غير مبين	Sprinkler		Drip		Surface	
	Area	Number	المساحة	العدد	Area	Number	Area	Number	Area	Number
Single	3,524.97	122,030	2.00	550	3.65	90	1,656.92	69,719	1,862.40	51,671
Associated	148.80	4,133	-	-	-	-	75.86	2,146	72.94	1,987
Mixed	564.99	19,160	-	-	-	-	201.21	6,653	363.78	12,507
<b>Total</b>	<b>4,238.76</b>	<b>145,323</b>	<b>2.00</b>	<b>550</b>	<b>3.65</b>	<b>90</b>	<b>1,933.99</b>	<b>78,518</b>	<b>2,299.12</b>	<b>66,165</b>



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**Table 74: Number and Area of Unbearing Irrigated Horticulture Trees in Rafah Governorate by Method of Irrigation and Status of Crop, As in 01/10/2010**

Area in Dunum, Number: Tree

Status of Crop	Method of Irrigation							
	Total		Sprinkler رشاشات		Drip		Surface	
	Area	Number	المساحة Area	العدد Number	Area	Number	Area	Number
Single	687.02	25,954	-	-	314.13	14,039	372.89	11,915
Associated	98.73	4,369	0.50	40	73.34	3,765	24.89	564
Mixed	108.37	4,888	-	-	34.67	1,638	73.70	3,250
<b>Total</b>	<b>894.12</b>	<b>35,211</b>	<b>0.50</b>	<b>40</b>	<b>422.14</b>	<b>19,442</b>	<b>471.48</b>	<b>15,729</b>

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**Table 75: Number and Area of Bearing and Unbearing Horticulture Trees in Rafah Governorate by Type of Protection and Status of Crop, As in 01/10/2010**

Area in Dunum, Number: Tree

Crop Status	Type of Protection									
	Total									
	Open		Protected		Open		Open		Protected	
	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number
Single	4,541.82	154,386	22.36	3,822	702.90	26,380	3,838.92	128,006	22.36	3,822
Associated	295.59	9,645	-	-	110.23	4,694	185.36	4,951	-	-
Mixed	706.62	25,183	-	-	108.62	4,891	598.00	20,292	-	-
<b>Total</b>	<b>5,544.03</b>	<b>189,214</b>	<b>22.36</b>	<b>3,822</b>	<b>921.75</b>	<b>35,965</b>	<b>4,622.28</b>	<b>153,249</b>	<b>22.36</b>	<b>3,822</b>

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**Table 76: Number of Agricultural Holdings in Rafah Governorate which Raising Cattles, Sheep, Goats or Camels by Area Group of Holding, 2009/2010**

Area Group of Holding in Dunum	Total	Mix	Camels Only	Goats Only	Sheep Only	Cattles Only	
Up to 2.99	477	142	6	42	278	9	حتى 2.99
3 - 5.99	114	23	-	5	82	4	5.99 - 3
6 - 9.99	87	24	3	4	54	2	9.99 - 6
10 - 19.99	69	18	-	3	46	2	19.99 - 10
20 - 29.99	29	8	1	2	16	2	29.99 - 20
30 - 39.99	13	4	1	-	7	1	39.99 - 30
40 - 49.99	6	3	-	-	2	1	49.99 - 40
50 - 59.99	2	1	-	-	1	-	59.99 - 50
60 - 69.99	3	2	-	-	1	-	69.99 - 60
70 - 79.99	2	2	-	-	-	-	79.99 - 70
80 +	8	4	-	-	4	-	+ 80
<b>Total</b>	<b>810</b>	<b>231</b>	<b>11</b>	<b>56</b>	<b>491</b>	<b>21</b>	<b>المجموع</b>

جدول 77: عدد الحيازات الزراعية في محافظة رفح التي تربي أبقار أو ضأن أو ماعز أو جمال حسب حجم أسرة الحائز،  
2010/2009

**Table 77: Number of Agricultural Holdings in Rafah Governorate which Raising Cattles, Sheep, Goats or Camels by Size of Holder Household, 2009/2010**

Size of Holder Household	Total	Mix	Camels Only	Goats Only	Sheep Only	Cattles Only	
One Person	11	3	-	1	7	-	
2 - 3	96	27	2	7	58	2	3 - 2
4 - 5	146	40	3	10	90	3	5 - 4
6 - 9	345	92	3	26	216	8	9 - 6
10 +	212	69	3	12	120	8	+ 10
<b>Total</b>	<b>810</b>	<b>231</b>	<b>11</b>	<b>56</b>	<b>491</b>	<b>21</b>	

جدول 78: عدد الحيازات الزراعية في محافظة رفح التي تربي أبقار أو ضأن أو ماعز أو جمال حسب الكيان القانوني للحائز،  
2010/2009

**Table 78: Number of Agricultural Holdings in Rafah Governorate which Raising Cattles, Sheep, Goats or Camels by Legal Status of Holder, 2009/2010**

Legal Status of Holder	Total	Mix	Camels Only	Goats Only	Sheep Only	Cattles Only	
Individual	754	214	10	51	460	19	فرد
Partnership	24	7	-	-	16	1	شراكة
Household	32	10	1	5	15	1	أسرة
<b>Total</b>	<b>810</b>	<b>231</b>	<b>11</b>	<b>56</b>	<b>491</b>	<b>21</b>	

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**Table 79: Number of Agricultural Holdings in Rafah Governorate which Raising Cattles, Sheep, Goats or Camels by Main Purpose of Production, 2009/2010**

Main Purpose of Production	Total	Mix	Camels Only	Goats Only	Sheep Only	Cattles Only	
For Household Consumotion	530	151	6	31	325	17	
For Sale	279	80	5	25	165	4	
Not Stated	1	-	-	-	1	-	غير مبيين
<b>Total</b>	<b>810</b>	<b>231</b>	<b>11</b>	<b>56</b>	<b>491</b>	<b>21</b>	

جدول 80: عدد الحيازات الزراعية في محافظة رفح التي تربي أبقار أو ضأن أو ماعز أو جمال حسب أسلوب إدارة الحيازة، 2010/2009

**Table 80: Number of Agricultural Holdings in Rafah Governorate which Raising Cattles, Sheep, Goats or Camels by Holding Management Method, 2009/2010**

Holding Management Method	Total	Mix	Camels Only	Goats Only	Sheep Only	Cattles Only	
Holder Himself	571	158	8	45	345	15	
Paid Manager	15	5	-	-	10	-	
Member of the Holders Family	224	68	3	11	136	6	
<b>Total</b>	<b>810</b>	<b>231</b>	<b>11</b>	<b>56</b>	<b>491</b>	<b>21</b>	

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**Table 81: Number of Agricultural Holdings in Rafah Governorate which Raising Cattles, Sheep or Goats by Sex and Strain, 2009/2010**

Strain	Sex		
	Males and Females	Females Only	Males Only
<b>Cattles</b>	<b>33</b>	<b>28</b>	<b>19</b>
Local	19	16	7
Friesian	13	10	9
Hybrid	1	1	1
Others	-	1	2
<b>Sheep</b>	<b>594</b>	<b>125</b>	<b>21</b>
Local	170	32	14
Friesian	364	82	1
Hybrid	47	6	4
Others	13	5	2
<b>Goats</b>	<b>148</b>	<b>89</b>	<b>6</b>
Local	102	73	3
Shami	38	8	3
Hybrid	6	4	-
Others	2	4	-



جدول 82: عدد الحيازات الزراعية في محافظة رفح التي تربي أبقار حسب العمر والسلالة، 2010/2009

**Table 82: Number of Agricultural Holdings in Rafah Governorate which Raising Cattles by Age and Strain, 2009/2010**

Strain	Age			
	+ 2	2-1	Less Than 1 Year	
<b>Cattles</b>	<b>49</b>	<b>40</b>	<b>38</b>	
Local	31	16	19	
Friesian	15	20	15	
Hybrid	-	2	2	
Others	3	2	2	

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**Table 83: Number of Agricultural Holdings in Rafah Governorate which Raising Sheep or Goats by Age and Strain, 2009/2010**

Strain	Age		
	+ 1	Less Than 1 Year	
<b>Sheep</b>	<b>698</b>	<b>576</b>	
Local	197	153	
Asaf	433	362	
Hybrid	54	47	
Others	14	14	
<b>Goats</b>	<b>226</b>	<b>154</b>	
Local	166	106	
Shami	45	36	
Hybrid	9	8	
Others	6	4	

جدول 84: عدد الحيازات الزراعية في محافظة رفح التي تربي أبقار أو ضأن أو ماعز حسب نوع التربية والسلالة،  
2010/2009

**Table 84: Number of Agricultural Holdings in Rafah Governorate which Raising Cattles, Sheep or Goats by Type of production System and Strain, 2009/2010**

Strain	Type of Production System		
	Semi-Nomadic	Ranching	
<b>Cattles</b>	<b>13</b>	<b>67</b>	
Local	7	35	
Friesian	6	26	
Hybrid	-	3	
Others	-	3	
<b>Sheep</b>	<b>241</b>	<b>499</b>	
Local	89	127	
Asaf	139	308	
Hybrid	9	48	
Others	4	16	
<b>Goats</b>	<b>102</b>	<b>141</b>	
Local	75	103	
Shami	23	26	
Hybrid	3	7	
Others	1	5	

جدول 85: عدد الحيازات الزراعية في محافظة رفح التي تربي أبقار أو ضأن أو ماعز حسب الغرض الرئيسي للتربية والسلالة،  
2010/2009

**Table 85: Number of Agricultural Holdings in Rafah Governorate which Raising Cattles, Sheep or Goats by Main Purpose of Production and Strain, 2009/2010**

Strain	Main Purpose of Production	
	For Meat	For Milk
<b>Cattles</b>	<b>44</b>	<b>36</b>
Local	20	22
Friesian	20	12
Hybrid	2	1
Others	2	1
<b>Sheep</b>	<b>535</b>	<b>205</b>
Local	149	67
Asaf	318	129
Hybrid	51	6
Others	17	3
<b>Goats</b>	<b>150</b>	<b>93</b>
Local	106	72
Shami	32	17
Hybrid	9	1
Others	3	3

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**Table 86: Number of Cattles in Rafah Governorate by Strain, Sex and Locality, As in 01/10/2010**

Locality	Total	Strain and Sex										
		Total		Others		Hybrid		Friesian		Local		
		Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	
<b>Rafah Governorate</b>	<b>3,108</b>	<b>567</b>	<b>2,541</b>	<b>2</b>	<b>1,099</b>	<b>82</b>	<b>970</b>	<b>389</b>	<b>346</b>	<b>94</b>	<b>126</b>	
Rafah	1,747	347	1,400	-	49	82	970	218	314	47	67	
Rafah Camp	-	-	-	-	-	-	-	-	-	-	-	
Al-Nnaser (Al Bayuk)	1,322	188	1,134	-	1,050	-	-	162	32	26	52	( )
Shokat as Sufi	39	32	7	2	-	-	-	9	-	21	7	

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**Table 87: Number of Sheep in Rafah Governorate by Strain, Sex and Locality, As in 01/10/2010**

Locality	Total	Strain and Sex										
		Total		Others		Hybrid		Asaf		Local		
		Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	
<b>Rafah Governorate</b>	<b>8,380</b>	<b>6,003</b>	<b>2,377</b>	<b>121</b>	<b>68</b>	<b>632</b>	<b>444</b>	<b>3,798</b>	<b>1,076</b>	<b>1,452</b>	<b>789</b>	
Rafah	4,819	3,187	1,632	99	50	545	423	1,938	612	605	547	
Rafah Camp	103	78	25	-	-	-	-	73	21	5	4	
Al-Nnaser (Al Bayuk)	1,038	683	355	8	12	9	8	529	230	137	105	( )
Shokat as Sufi	2,420	2,055	365	14	6	78	13	1,258	213	705	133	

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**Table 88: Number of Goats in Rafah Governorate by Strain, Sex and Locality, As in 01/10/2010**

Locality	Total	Strain and Sex									
		Total		Others		Hybrid		Shami		Local	
		Females	Males	Females	Males	Females	Males	Females	Males	Females	Males
<b>Rafah Governorate</b>	<b>1,559</b>	<b>1,210</b>	<b>349</b>	<b>33</b>	<b>3</b>	<b>41</b>	<b>13</b>	<b>243</b>	<b>84</b>	<b>893</b>	<b>249</b>
Rafah	781	578	203	28	3	38	10	139	48	373	142
Rafah Camp	10	7	3	5	-	2	3	-	-	-	-
Al-Nnaser (Al Bayuk)	224	154	70	-	-	-	-	82	28	72	42
Shokat as Sufi	544	471	73	-	-	1	-	22	8	448	65

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**Table 89: Number of Cattles in Rafah Governorate by Age, Sex and Strain, As in 01/10/2010**

Strain	Total	Age and Sex						
		+ 2		2-1		Less Than 1 Year		
		Females	Males	Females	Males	Females	Males	
<b>Cattles</b>	<b>3,108</b>	<b>231</b>	<b>1,126</b>	<b>208</b>	<b>443</b>	<b>128</b>	<b>972</b>	
Local	220	49	44	28	45	17	37	
Friesian	735	181	32	177	178	31	136	
Hybrid	1,052	-	-	2	220	80	750	
Others	1,101	1	1,050	1	-	-	49	



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**Table 90: Number of Sheep and Goats in Rafah Governorate by Age, Sex and Strain, As in 01/10/2010**

Strain	Total	العمر والجنس			
		+1		Less Than 1 Year	
		Females	Males	Females	Males
<b>Sheep</b>	<b>8,380</b>	<b>4,289</b>	<b>883</b>	<b>1,714</b>	<b>1,494</b>
Local	2,241	1,107	277	345	512
Asaf	4,874	2,624	488	1,174	588
Hybrid	1,076	479	77	153	367
Others	189	79	41	42	27
<b>Goats</b>	<b>1,559</b>	<b>884</b>	<b>173</b>	<b>326</b>	<b>176</b>
Local	1,142	670	124	223	125
Shami	327	160	43	83	41
Hybrid	54	27	5	14	8
Others	36	27	1	6	2

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**Table 91: Number of Cattles, Sheep and Goats in Rafah Governorate by Main Purpose of Production and Strain, As in 01/10/2010**

Strain	Total	Main Purpose of Production	
		For Meat	For Milk
<b>Cattles</b>	<b>3,108</b>	<b>3,006</b>	<b>102</b>
Local	220	166	54
Friesian	735	691	44
Hybrid	1,052	1,050	2
Others	1,101	1,099	2
<b>Sheep</b>	<b>8,380</b>	<b>6,378</b>	<b>2,002</b>
Local	2,241	1,687	554
Asaf	4,874	3,509	1,365
Hybrid	1,076	1,008	68
Others	189	174	15
<b>Goats</b>	<b>1,559</b>	<b>953</b>	<b>606</b>
Local	1,142	664	478
Shami	327	224	103
Hybrid	54	50	4
Others	36	15	21

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**Table 92: Number of Agricultural Holdings in Rafah Governorate which Raising Poultry by Area of Worked Barns and Type, 2009/2010**

Type	Total	Area of Worked Barns (²)			
		+ 3000	2,999 - 1,000	999 - 500	500 Less than 500
Mothers of Broiler	3	-	-	2	1
Broilers	101	1	11	29	60
Layers	12	-	1	1	10
Turkey Males	1	-	-	-	1
Turkey Females	-	-	-	-	-

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**Table 93: Number of Agricultural Holdings in Rafah Governorate which Raising Poultry by Maximum Capacity of Barns and Type, 2009/2010**

Type	Total	Maximum Capacity of Barns					
		+ 7,000	6,999 - 4,000	3,999 -2,000	1,999 - 1,000	1,000 Less than 1,000	
Mothers of Broiler	3	-	2	1	-	-	
Broilers	101	21	22	39	13	6	
Layers	12	-	2	4	4	2	
Turkey Males	1	-	-	-	-	1	
Turkey Females	-	-	-	-	-	-	

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**Table 94: Number of Agricultural Holdings in Rafah Governorate which Raising Poultry by Number of Poultry and Type, As in 01/10/2010**

Type	المجموع Total	Number of poultry					
		+ 7,000	6,999 - 4,000	3,999 -2,000	1,999 - 1,000	1000 Less than 1,000	
Mothers of Broiler	3	-	1	1	1	-	
Broilers	101	12	14	36	10	29	
Layers	12	-	-	3	3	6	
Turkey Males	1	-	-	-	-	1	
Turkey Females	-	-	-	-	-	-	

جدول 95: عدد الدواجن المرباة في محافظة رفح حسب النوع والتجمع، كما هو في 2010/10/01

Table 95: Number of Raised Poultry in Rafah Governorate by Type and Locality, As in 01/10/2010

Locality	Type				
	Turkeys	Layers	Broilers	Mothers of Broiler	
<b>Rafah Governorate</b>	<b>50</b>	<b>13,000</b>	<b>323,960</b>	<b>7,500</b>	
Rafah	-	3,500	238,310	7,500	
Rafah Camp	-	-	400	-	
Al-Nnaser (Al Bayuk)	50	100	30,550	-	( )
Shokat as Sufi	-	9,400	54,700	-	

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**Table 96: Number of Raised Poultry Per Year, Area of Worked Barns and Average of Cycles Per Year in Rafah Governorate by Type and Locality, 2009/2010**

Locality	Type of Poultry										
	Turkey			Layers		Broilers			Broilers Mothers		
	Average of Cycles Per Year	Area of Worked Barns (m <sup>2</sup> )	Number	Area of Worked Barns (m <sup>2</sup> )	Number	Average of Cycles Per Year	Area of Worked Barns (m <sup>2</sup> )	Number	Area of Worked Barns (m <sup>2</sup> )	Number	
<b>Rafah Governorate</b>	<b>1</b>	<b>100</b>	<b>150</b>	<b>3,510</b>	<b>13,000</b>	<b>4</b>	<b>46,877</b>	<b>1,631,980</b>	<b>1,600</b>	<b>7,500</b>	
Rafah	-	-	-	880	3,500	4	33,887	1,258,480	1,600	7,500	
Rafah Camp	-	-	-	-	-	2	50	800	-	-	
Al-Nnaser (Al Bayuk)	1	100	150	80	100	4	4,200	131,600	-	-	( )
Shokat as Sufi	-	-	-	2,550	9,400	4	8,740	241,100	-	-	

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**Table 97: Number of Agricultural Holdings in Rafah Governorate which Raising Poultry by Average Cycles Per Year and Type, 2009/2010**

Type	Average Cycles Per Year and Type							
	Total	+ 6	5	4	3	2	1	
Broilers	101	17	20	27	21	11	5	
Male Turkey	1	:	:	:	-	-	1	
Female Turkey	-	:	:	:	-	-	-	

(:): Not applicabel

:(:)



جدول 98: عدد الحيازات الزراعية في محافظة رفح التي تربي دواجن حسب إجمالي عدد الطيور المرباة في السنة والنوع، 2010/2009

**Table 98: Number of Agricultural Holdings in Rafah Governorate which Raising Poultry by Total Number of Raising Poultry Per Year and Type, 2009/2010**

Type	Total	Total Number of Raising Poultry Per Year					
		+ 7,000	6,999 - 4,000	3,999 -2,000	1,999 - 1,000	1,000 Less than 1,000	
Mothers of Broiler	3	-	1	1	1	-	
Broiler	101	65	19	6	6	5	
Layers	12	-	-	3	3	6	
Turkey Males	1	-	-	-	-	1	
Turkey Females	-	-	-	-	-	-	

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**Table 99: Number of Poultry in Rafah Governorate by Maximum Capacity of Barns and Type, 2009/2010**

Type	Total	Maximum Capacity of Barns					
		+ 7,000	6,999 - 4,000	3,999 - 2,000	1,999 - 1,000	1,000 Less than 1,000	
Mothers of Broiler	<b>7,500</b>	-	5,000	2,500	-	-	
Broilers	<b>1,631,980</b>	889,350	378,600	302,800	53,470	7,760	
Layers	<b>13,000</b>	-	3,000	6,300	3,200	500	
Turkey Males	<b>150</b>	-	-	-	-	150	
Turkey Females	-	-	-	-	-	-	

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**Table 100: Number of Poultry in Rafah Governorate by Area of Worked Barns and Type, 2009/2010**

Type	Total	Area of Worked Barns (m <sup>2</sup> ) ( <sup>2</sup> )			
		+ 3,000	2,999 - 1,000	999 - 500	500 Less than 500
Mothers of Broiler	<b>7,500</b>	-	-	5,000	2,500
Broilers	<b>1,631,980</b>	150,000	424,600	657,350	400,030
Layers	<b>13,000</b>	-	3,000	-	10,000
Turkey Males	<b>150</b>	-	-	-	150
Turkey Females	-	-	-	-	-

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**Table 101: Number of Poultry in Rafah Governorate by Average Cycles Per Year and Type, 2009/2010**

Type	Average Cycles Per Year and Type							
	Total	+ 6	5	4	3	2	1	
Broilers	<b>1,631,980</b>	490,900	522,150	373,000	193,180	44,950	7,800	
Male Turkey	<b>150</b>	:	:	:	-	-	150	
Female Turkey	-	:	:	:	-	-	-	

(:): Not applicabel

:(:)

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**Table 102: Number of Domestic Poultry in Rafah Governorate by Type and Locality, As in 01/10/2010**

Locality	Type					
	Others	Rabbits	Turkeys	Pigeons	Chickens	
<b>Rafah Governorate</b>	<b>5,356</b>	<b>9,543</b>	<b>621</b>	<b>14,743</b>	<b>13,575</b>	
Rafah	3,547	1,479	417	10,471	8,878	
Rafah Camp	449	7,457	4	951	1,020	
Al-Nnaser (Al Bayuk)	868	334	143	908	1,216	( )
Shokat as Sufi	492	273	57	2,413	2,461	

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**Table 103: Number of Equines in Rafah Governorate by Type and Locality, As in 01/10/2010**

Locality	Type			
	Donkeys	Mules	Horses	
<b>Rafah Governorate</b>	<b>597</b>	<b>12</b>	<b>158</b>	
Rafah	268	11	107	
Rafah Camp	-	-	-	
Al-Nnaser (Al Bayuk)	120	-	42	( )
Shokat as Sufi	209	1	9	

جدول 104: عدد خلايا النحل في محافظة رفح حسب النوع والتجمع، 2010/2009

Table 104: Number of Beehives in Rafah Governorate by Type and Locality, 2009/2010

Locality	Total	Number of Beehives		
		Modern Beehives	خلايا تقليدية Traditional Beehives	
<b>Rafah Governorate</b>	<b>632</b>	<b>532</b>	<b>100</b>	
Rafah	<b>616</b>	517	99	
Rafah Camp	<b>5</b>	4	1	
Al-Nnaser (Al Bayuk)	-	-	-	( )
Shokat as Sufi	<b>11</b>	11	-	

جدول 105: عدد الحيازات الزراعية في محافظة رفح حسب نوع الحيازة ونوع العمالة الزراعية المستخدمة، 2010/2009

**Table 105: Number of Agricultural Holdings in Rafah Governorate by Type of Agricultural Holdings and Type of Agricultural Employees, 2009/2010**

Type of Employee	المجموع Total	Type of Holding			نوع العمالة
		مختلطة Mixed	حيوانية Animal	نباتية Plant	
Unpaid Permanent Family Members	2,876	544	414	1,918	من افراد الاسرة دائمين بدون اجر
Unpaid Temporary Family Members	841	177	84	580	من افراد الاسرة مؤقتين بدون اجر
Permanent Wage Employees	176	37	8	131	عمال دائمين بأجر
Temporary Wage Employees	2,314	495	48	1,771	عمال مؤقتين بأجر



جدول 106: عدد الحيازات الزراعية في محافظة رفح التي فيها عمال دائمين بأجر حسب نوع الحيازة وعدد العمال الدائمين بأجر، 2010/2009

**Table 106: Number of Agricultural Holdings in Rafah Governorate which have Permanent Wage Employees by Type of Agricultural Holding and Number of Paid Permanent Employees, 2009/2010**

Number of Permanent Wage Employees	المجموع Total	Type of Holding نوع الحيازة			عدد العمال الدائمين بأجر
		Mixed	Animal	Plant	
1	107	16	3	88	1
2	36	16	2	18	2
3	18	3	2	13	3
4	8	-	-	8	4
5	4	1	-	3	5
6 +	3	1	1	1	+ 6
<b>Total</b>	<b>176</b>	<b>37</b>	<b>8</b>	<b>131</b>	<b>المجموع</b>
<b>Average Number of Permanent Wage Employees in Agricultural Holding</b>	<b>1.7</b>	<b>1.8</b>	<b>2.4</b>	<b>1.6</b>	

جدول 107: عدد العمال الزراعيين الدائمين بأجر في الحيازات الزراعية في محافظة رفح حسب نوع الحيازة والجنس والتجمع، 2010/2009

**Table 107: Number of Permanent Wage Employees in Agricultural Holdings in Rafah Governorate by Type of Agricultural Holding, Sex and Locality, 2009/2010**

Locality	المجموع Total		نوع الحيازة Type of Holding						التجمع
			Mixed مختلطة		Animal حيوانية		Plant نباتية		
	إناث Females	ذكور Males	إناث Females	ذكور Males	إناث Females	ذكور Males	إناث Females	ذكور Males	
<b>Rafah Governorate</b>	<b>12</b>	<b>302</b>	<b>8</b>	<b>57</b>	-	<b>17</b>	<b>4</b>	<b>228</b>	
Rafah	8	206	7	44	-	12	1	150	
Rafah Camp	-	5	-	2	-	-	-	3	
Al-Nnaser (Al Bayuk)	2	43	-	4	-	4	2	35	( )
Shokat as Sufi	2	48	1	7	-	1	1	40	

جدول 108: عدد العمال الزراعيين الدائمين من أفراد الأسرة بدون أجر في الحيازات الزراعية في محافظة رفح حسب نوع الحيازة والجنس والتجمع، 2010/2009

**Table 108: Number of Unpaid Family Member in Agricultural Holdings in Rafah Governorate by Type of Agricultural Holding, Sex and Locality, 2009/2010**

Locality	المجموع Total		Type of Holding						التجمع
			مختلطة Mixed		حيوانية Animal		نباتية Plant		
	إناث Females	ذكور Males	إناث Females	ذكور Males	إناث Females	ذكور Males	إناث Females	ذكور Males	
<b>Rafah Governorate</b>	<b>1,046</b>	<b>4,953</b>	<b>257</b>	<b>1,098</b>	<b>201</b>	<b>575</b>	<b>588</b>	<b>3,280</b>	
Rafah	385	3,347	98	759	97	400	190	2,188	
Rafah Camp	20	126	4	17	10	21	6	88	
Al-Nnaser (Al Bayuk)	295	743	58	100	35	54	202	589	( )
Shokat as Sufi	346	737	97	222	59	100	190	415	

جدول 109: عدد العمال الزراعيين المؤقتين من أفراد الأسرة بدون أجر في الحيازات الزراعية في محافظة رفح حسب نوع الحيازة والجنس والتجمع، 2010/2009

**Table 109: Number of Temporary Unpaid Family Member in Agricultural Holdings in Rafah Governorate by Type of Agricultural Holding, Sex and Locality, 2009/2010**

Locality	المجموع Total		Type of Holding						التجمع
			Mixed مختلطة		Animal حيوانية		Plant نباتية		
	إناث Females	ذكور Males	إناث Females	ذكور Males	إناث Females	ذكور Males	إناث Females	ذكور Males	
<b>Rafah Governorate</b>	<b>228</b>	<b>1,447</b>	<b>55</b>	<b>377</b>	<b>20</b>	<b>80</b>	<b>153</b>	<b>990</b>	
Rafah	98	1,195	22	288	7	59	69	848	
Rafah Camp	4	50	1	19	-	8	3	23	
Al-Nnaser (Al Bayuk)	63	55	11	6	4	3	48	46	( )
Shokat as Sufi	63	147	21	64	9	10	33	73	

جدول 110: عدد العمال الزراعيين في الحيازات الزراعية في محافظة رفح حسب نوع العمالة والجنس والفئة العمرية، 2010/2009

Table 110: Number of Agricultural Employees in Agricultural Holdings in Rafah Governorate by Type of Employee, Sex and Age Group, 2009/2010

Age Group	المجموع Total	المجموع Total		عمال دائمين بأجر Permanent Wage Employees		من أفراد الأسرة بدون اجر Unpaid Family Members				الفئة العمرية
		إناث Females	ذكور Males	إناث Females	ذكور Males	Temporary Employee		Permanent Employee		
						عمال مؤقتين	عمال دائمين	إناث	ذكور	
		إناث Females	ذكور Males	إناث Females	ذكور Males	إناث Females	ذكور Males	إناث Females	ذكور Males	
Less than 10 years	57	13	44	-	-	3	5	10	39	10
10 - 14	242	39	203	-	3	14	49	25	151	14 - 10
15 - 17	741	127	614	1	9	24	130	102	475	17 - 15
18 - 29	3,192	431	2,761	6	179	88	766	337	1,816	29 - 18
30 - 59	3,208	590	2,618	5	108	86	457	499	2,053	59 - 30
60 +	548	86	462	-	3	13	40	73	419	+ 60
<b>Total</b>	<b>7,988</b>	<b>1,286</b>	<b>6,702</b>	<b>12</b>	<b>302</b>	<b>228</b>	<b>1,447</b>	<b>1,046</b>	<b>4,953</b>	<b>المجموع</b>

جدول 111: عدد الحيازات الزراعية التي تستخدم الآلات والمعدات الزراعية في محافظة رفح حسب مصدر ونوع الآلة، 2010/2009

**Table 111: Number of Agricultural Holdings which Using Machines and Equipments in Rafah Governorate by Source and Type of Machine and Equipment, 2009/2010**

Type of Machine and Equipment	Source and Type of Machine						نوع الآلات والمعدات
	غير مبين	أخرى	استلاف	مستاجرة من جمعية تعاونية	مستاجرة من افراد	مملوكة	
	Not Stated	Other	Borrowed	Rented from society	Rented from others	Owened	
Four-Wheel Tractor	-	-	8	-	1,568	81	
Track-Laying Tractor	-	-	-	-	1	-	
Cultivator	-	-	-	-	6	-	( )
Plough	-	-	5	-	396	5	
Rotary Tiller	1	-	3	-	1,612	63	
Spike -Tooth Harrow	-	-	-	-	7	-	
Redger	-	-	-	-	1	2	
Mold Broad Plough	-	-	-	-	1	-	
Seeder	-	-	-	-	-	1	
Others	-	-	-	-	2	2	
Sprayer	-	3	14	-	236	134	( )
Broad Caster	-	-	-	-	2	-	
Water Tank	-	-	4	-	-	5	
Thresher	1	-	-	-	144	2	( )
Combine	-	-	-	-	6	-	
Trailer	-	-	4	-	-	3	
Potatoes Digger	-	-	-	-	9	1	
Milking Machine	-	-	-	-	-	3	

جدول 112: عدد الحيازات الزراعية التي تستخدم الآلات والمعدات الزراعية في محافظة رفح حسب نوع الحيازة الزراعية ونوع الآلة، 2010/2009

**Table 112: Number of Agricultural Holdings which Using Machines and Equipments in the Rafah Governorate by Type of Agricultural Holdings and Type of Machine and Equipment, 2009/2010**

Type of Machine and Equipment	Type of Holding			نوع الآلات والمعدات
	مختلطة Mixed	حيوانيه Animal	نباتيه Plant	
Four-Wheel Tractor	418	9	1,230	
Track-Laying Tractor	1	-	-	
Cultivator	1	-	5	( )
Plough	109	-	297	
Rotary Tiller	396	-	1,283	
Spike -Tooth Harrow	2	-	5	
Redger	3	-	-	
Mold Broad Plough	-	-	1	
Seeder	-	-	1	
Others	-	2	2	
Sprayer	115	-	272	( )
Broad Caster	-	-	2	
Water Tank	3	-	6	
Thresher	32	-	115	( )
Combine	-	-	6	
Trailer	-	1	6	
Potatoes Digger	2	-	8	
Milking Machine	-	3	-	

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2010/2009

**Table 113: Number and Area of Agricultural Holdings that are Constrained by Israeli Measures in Rafah Governorate by Type of Holding, 2009/2010**

Type of Holding	Area	Number	
Plant	717.69	54	
Animal	0.47	4	
Mixed	132.92	5	
<b>Total</b>	<b>851.08</b>	<b>63</b>	

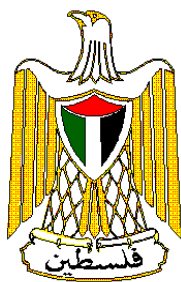


2010/2009

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**Table 114: Selected Agricultural Indicators in Rafah Governorate by Type of Holding, 2009/2010**

Indicator	Total	Type of Holding		
		Mixed	Animal	Plant
Number of the holdings which have hatchery	14	8	5	1
Number of the holdings which have fishery	64	33	5	26
Number of the holdings which the income from it is composed the main income of the Household	1,065	286	154	625
Number of the holdings which benefit from the reclamation project or opening a street or any other projects	357	91	22	244
Number of Male Camels	37	24	13	-
Number of Female Camels	114	47	67	-



# **Palestinian National Authority**

**Palestinian Central Bureau of  
Statistics**

**Ministry of Agriculture**

**Agricultural Census - 2010**



**Final Results – Rafah Governorate**

**March, 2012**

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## Important Remarks

**Based on the definition of ‘agricultural holding’ used in the collection of data for the agricultural census, the following remarks should be taken into consideration:**

1. Data were not collected for cultivated areas where the total surface area was less than one dunum for open cultivated areas, or less than half a dunum for protected cultivated areas.
2. Areas that had not been cultivated or serviced (by plowing, pruning, spraying, etc., for five years or more) were not calculated as part of the total area of cultivated land.
3. Data were not collected for any livestock that did not meet the conditions for a livestock holding: The holder should have any number of cattle or camels, at least five head of sheep, goats, or pigs, at least 50 poultry birds (layers and broilers), or 50 rabbits, or other poultry like turkeys, ducks, fer, or a mixture of them, or at least three beehives controlled by the holder.
4. The area of cultivated land differs from the total area cultivated with tree horticulture, vegetables, and field crops according to the pattern of agriculture at governorate level in terms of permanent and temporary crops so that:
  - The cultivated land area could be greater than the total area cultivated with tree horticulture, vegetables, and field crops according to the scattered cultivation of permanent crops, concentrated according to the standard area for each type of tree.
  - The cultivated land area could be less than the total area cultivated with tree horticulture, vegetables, and field crops according to repeated cultivation in parcels on the basis of seasonal cultivation.
5. Some tables that are dealing with the numbers of holdings, have unheeded totals due to the probability of frequency of the same holding for more than one time in the same table due to the distribution of the holdings by various variables
6. Symbols Used in Tables: (-): Nill  
(:): Not Applicable



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## **Introduction**

Modern and accurate statistics are essential to establish national policies at all levels. Accordingly, the PCBS has striven since its establishment to collect and disseminate official statistics which meet international standards and concepts and are in accordance with Palestinian national requirements. In this regard, PCBS has conducted population, social and economic surveys, plus two censuses on population, housing and establishments in 1997 and 2007, in addition to developing various administrative records. In order to provide comprehensive statistics in all domains, PCBS launched the first census on agriculture in 2010 in the Palestinian Territory in cooperation with the Ministry of Agriculture and the Union of Agricultural Work Committees.

The PCBS mandate is to develop and maintain the Palestinian National Statistics System based on professional principles and responsive to the needs of users, and capable of providing accurate, neutral, comprehensive and high quality official statistics which meet international standards in all areas. This should improve the capacity building of Palestinian national establishments in economic, social and environmental development and enhance the establishment of better developmental policies. The provision of statistical data will assist in planning at every level, in addition to developing and unifying standards and concepts of economic, social, population and geographic domains.

From the initial planning phase of the agriculture census, PCBS has sought full coordination and consultation with stakeholders to identify needs in agriculture-related statistics necessary for the development of this sector, and also to mobilize all partners to participate in the implementation of this first-ever census. Activities included bilateral consultation meetings, seminars, and workshops with public and private sectors and civil society institutions to ensure that the output of the agriculture census reflects national priorities and is comparable internationally.

We are pleased to release this Report which contains the final results of the agriculture census 2010 in Rafah Governorate, which consists of three chapters arranged in a manner that displays the results easily. It also provides the data user with comprehensive documentation of the agriculture census implementation procedures.

The first chapter displays the main results of the census. The second chapter displays the census methodology followed in the planning and conducting of the census, including the census questionnaire and its contents: it also documents the field work including the training, data collection and processing, plus evaluation of the quality of the statistical data collected. The third chapter describes the concepts and definitions adopted in the census. It is hoped that this census will provide the data necessary to build and develop the agricultural sector and to assist policy and decision makers in the process of national development.

**March, 2012**

**Ola Awad  
President of PCBS**



## Chapter One

### Main Results

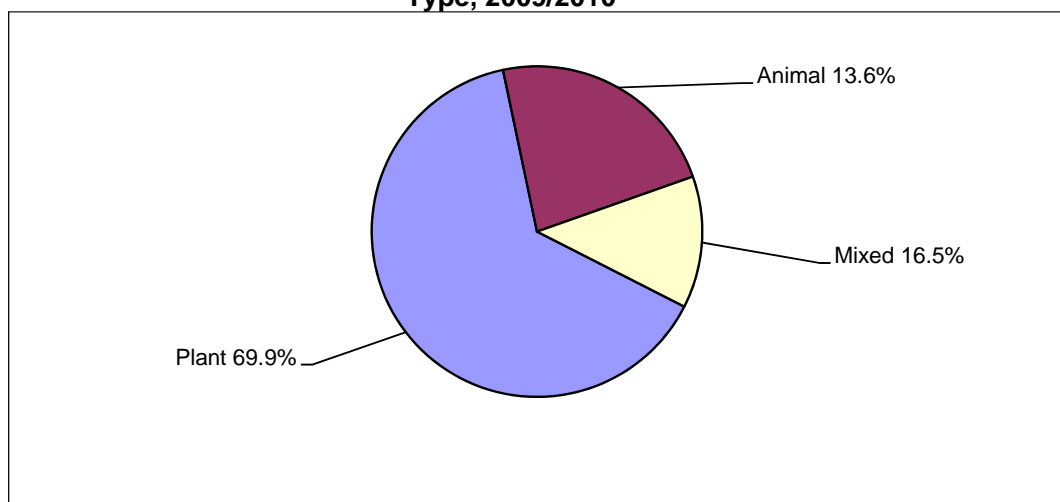
The final results of the Agricultural Census 2010 include the number of agricultural holdings, classified according to the type of holding (plant, animal, or mixed); the area of cultivated land during the agricultural year 2009/2010 from the first of October 2009 to 30 September 2010; the number of domestic livestock (cows, goats, sheep, poultry farms, domestic poultry and other kinds of animals as on the enumeration day of the first of October 2010; the agricultural labor force and its distribution according to sex and age; the number of agricultural machinery and equipment; and agricultural applications.

#### 1.1 Agricultural Holdings

The results indicated that during the agricultural year 2009/2010 there were 3,529 agricultural holdings in Rafah Governorate. The most common type of agricultural holding was plant holdings: there were 2,465 plant holdings, equivalent to 69.9% of all agricultural holdings in Rafah Governorate.

The results indicated that during the agricultural year 2009/2010 there were 480 animal holdings, equivalent to 13.6% of all agricultural holdings in Rafah Governorate. Data indicated that during the agricultural year 2009/2010 there were 584 mixed holdings, equivalent to 16.5% of all agricultural holdings in Rafah Governorate.

**Percentage Distribution of Agricultural Holdings in Rafah Governorate by Type, 2009/2010**

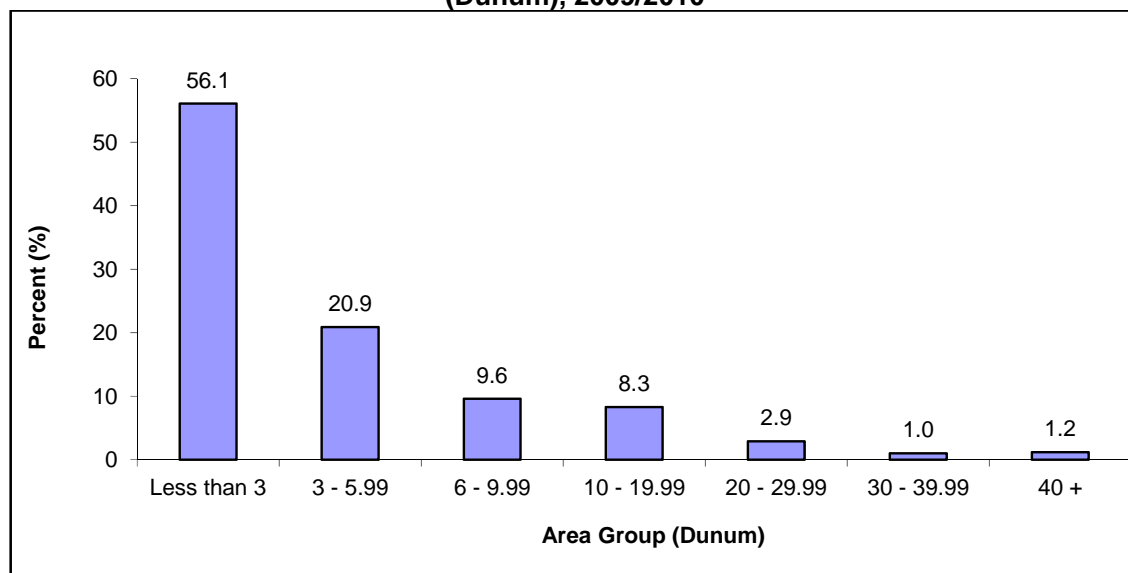


Most agricultural holdings in Rafah Governorate 3,264 holdings (92.5%) were held legally by an individual holder, 135 holdings (3.8%) were held by a household, and 130 holdings (3.7%) were held by a partnership. The majority of agricultural holdings in Rafah Governorate are managed by the holder: 2,675 holdings (75.8%). Household members manage 768 holdings (21.8%) while holdings managed by a hired manager made up 86 holdings (2.4%).

The main purpose of production of the agricultural holdings in Rafah Governorate 1,822 holdings (51.6%) was mainly for sale during the agricultural year 2009/2010. According to area of land, 56.1% of agricultural holdings in Rafah Governorate (1,980 holdings) were classified as small (less than 3 dunums); 739 holdings (20.9%) were between three to 5.99

dunums in size; 340 holdings (6.9%) were between six and 9.99 dunums in size and 291 holdings (8.3%) were between ten to 19.99 dunums in size. The average size of the agricultural holding in Rafah Governorate was 5.1 dunums. The average size of the Plant holding was 5.0 dunums, 0.3 dunums for animal holdings and 9.3 dunums for mixed holdings.

**Percentage Distribution of Agricultural Holdings in Rafah Governorate by Area Group (Dunum), 2009/2010**

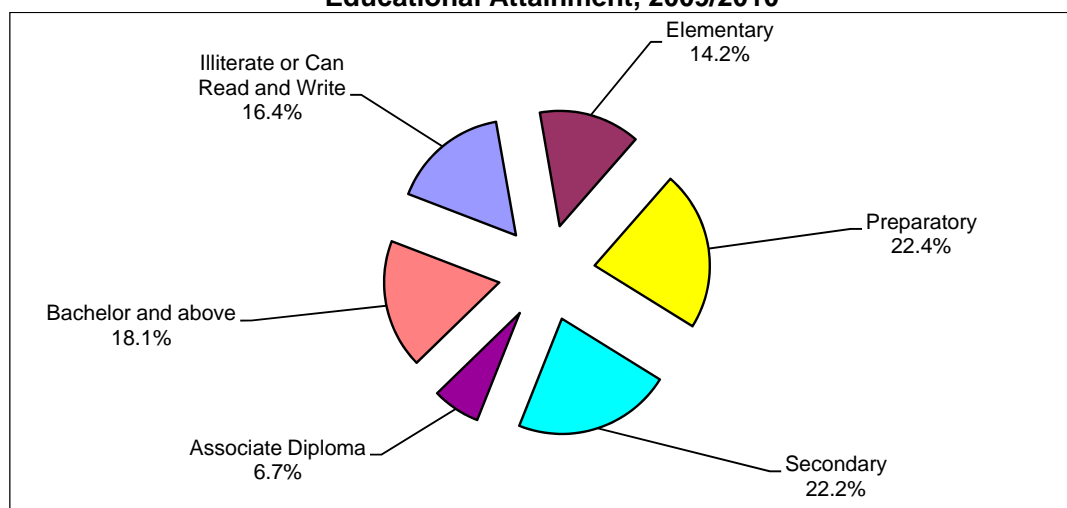


The results indicated that 3,252 of agricultural holdings in Rafah Governorate are owned by the agricultural holders (92.2%), while 187 (5.3%) of agricultural holdings are rented or cultivated in return for a share of the production of the holding. Males hold 3,176 (90.0%) of the agricultural holdings in Rafah Governorate while females hold 224 holdings (6.3%) and 129 agricultural holdings (3.7%) were held in partnership (male partnership, or male/female partnership).

**1.2 Agricultural Holder**

There were 3,305 agricultural holders in Rafah Governorate: 897 holders (27.1%) aged 40–49 years, 753 holders (22.8%) aged 50–59 years, and 740 holders (22.4%) aged 60 years or more. For 1,760 holders (53.2%) their main occupation was not in agriculture while for 1,532 holders (46.4%) agriculture was their main occupation and 13 agricultural holders (0.4%) the main occupation of the holder was not stated. In terms of educational attainment, 739 of agricultural holders (22.4%) had completed preparatory level of education, 733 of agricultural holders (22.2%) had completed Secondary level of education and 599 of holders (18.1%) had bachelor’s degree or higher.

**Percentage Distribution of Agricultural Holders in Rafah Governorate by Educational Attainment, 2009/2010**



### 1.3 Land Use

The total area of agricultural holdings in Rafah Governorate for the 2009/2010 agricultural year was 17,821 dunums. Cultivated land made up 15,894 dunums (89.2%) of the total area of agricultural holdings in Rafah Governorate, the largest area of cultivated land were in Rafah locality with 8,045 dunums (50.6%). Uncultivated land made up 1,927 dunums (10.8%) of the total area of agricultural holdings in Rafah Governorate. the largest area of uncultivated land were in Rafah locality with 1,162 dunums (60.3%).

The cultivated land in Rafah Governorate as in 01/10/2010 was 15,894 dunums. Cultivated land was distributed as 83.9% cultivated land area (temporary and permanent crops) and temporary fallow land making up 15.9%. The area with the most cultivated land area was in Rafah locality with 7,056 dunums (52.9%). Permanent meadows and pastures made up 61.8% of all uncultivated agricultural holdings in Rafah Governorate, buildings on holdings accounted for 19.8%, and roads, passages, pools, unroofed barns and wasteland areas accounted for 18.4% of the area of uncultivated agricultural holdings in Rafah Governorate.

### 1.4 Crops

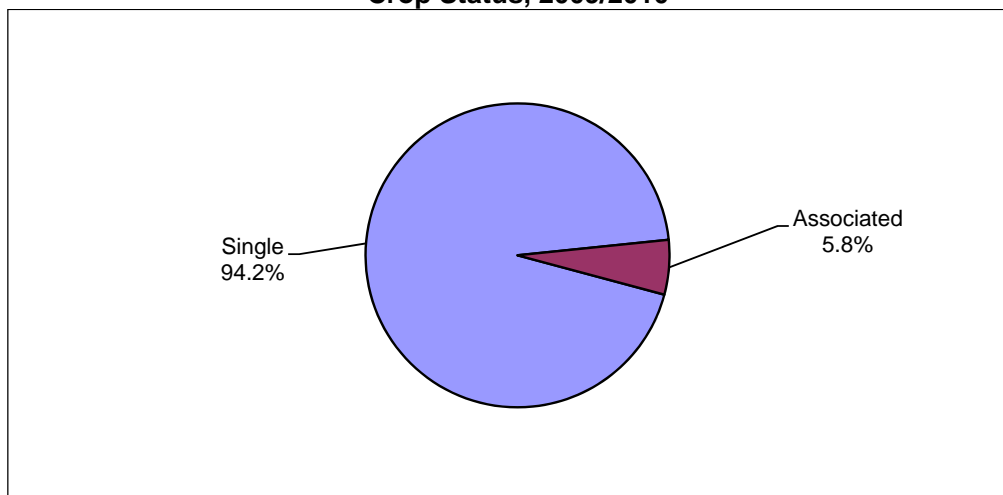
#### 1. Field crops:

Areas cultivated with field crops totaled 3,059 dunums in Rafah Governorate during the 2009/2010 agricultural year: Rainfed field crops made up 2,215 dunums (72.4%) while irrigated field crops totaled 844 dunums (27.6%). The area with the most cultivated crops was Shokat as Sufi locality with 1,372 dunums (44.8%).

The area of land cultivated with field crops in winter in Rafah Governorate was 2,774 dunums while the area cultivated with field crops in summer was 285 dunums. Single crops made up 2,881 dunums, associated crops made up 177 dunums and mixed crops made up one dunum only. Harvested field crops accounted for 2,810 dunums: 91.9% of all field crops in Rafah Governorate.



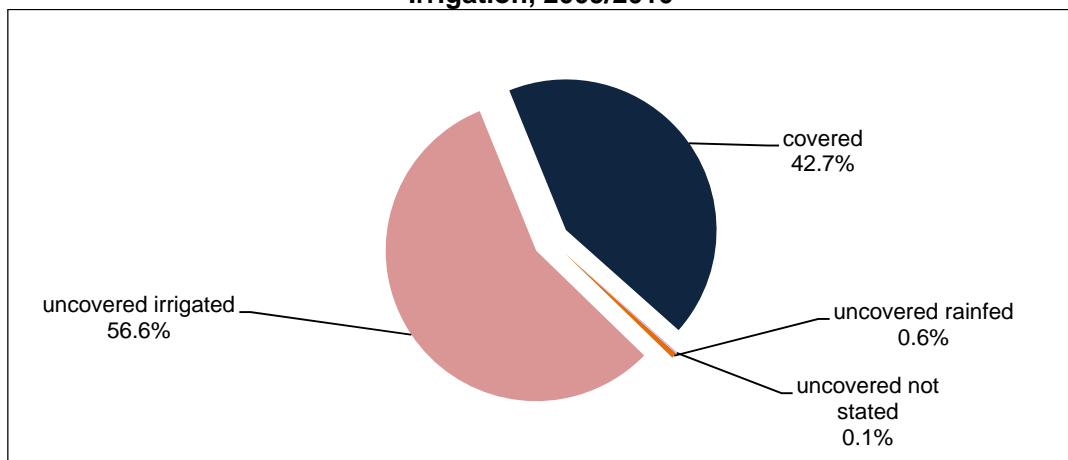
**Percentage Distribution of the Cultivated Field Crops in Rafah Governorate by Crop Status, 2009/2010**



**2. Vegetable crops:**

The area of land cultivated with vegetable crops was 7,870 dunums in Rafah Governorate during the 2009/2010 agricultural year: Uncovered rainfed vegetable crops were planted on 46 dunums (0.6%), uncovered irrigated vegetable crops on 4,453 dunums (56.6%), 12 dunums (0.1%) the type of irrigation was not stated in addition to 3,359 dunums (42.7%) of covered vegetable crops. The area with the most cultivated crops was Rafah locality with 4,497 dunums (62.9%).

**Percentage Distribution of Vegetable Crops in Rafah Governorate by Type of Irrigation, 2009/2010**



The area of land cultivated with vegetable crops in Rafah Governorate was 4,194 dunums in winter; 532 dunums in spring; 2,744 dunums in summer; and 400 dunums in autumn. The area of land planted with single vegetable crops was 7,694 dunums; associated crops totaled 159 dunums; mixed crops were 17 dunums. The area of harvested vegetable crops in Rafah Governorate was 7,360 dunums: 93.5% of all cultivated vegetable crops.

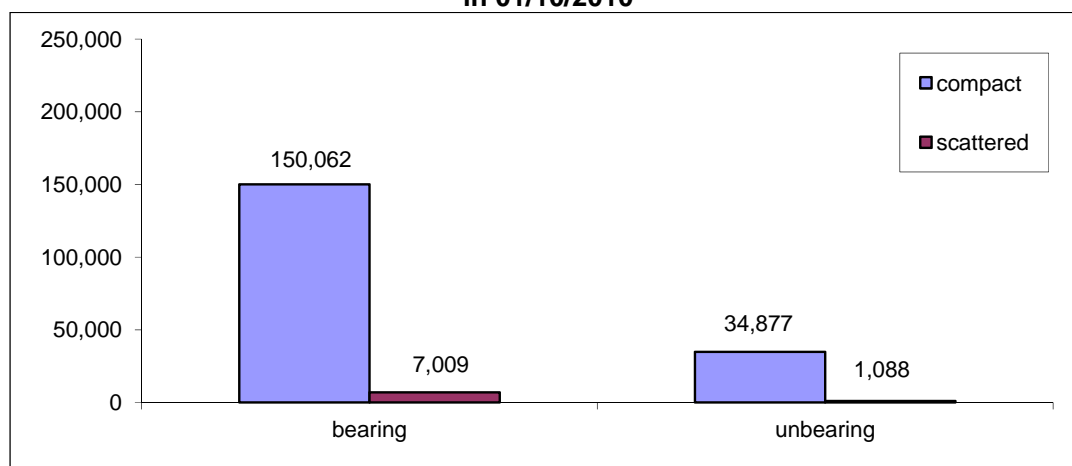
**3. Horticultural crops:**

The area of land cultivated with horticultural crops was 5,566 dunums in Rafah Governorate. The percentage area of bearing trees was 83.4% with 16.6% of non-bearing trees. Olive trees

made up 58.7% of the total area of horticultural trees in Rafah Governorate. Irrigated horticultural trees accounted for 92.2% of the total area of horticultural trees in Rafah Governorate. The results indicated that the percentage area of compact farming in Rafah Governorate was 89.4% with 10.6% of scattered farming. Also, 82.0% are single crops, 5.3% associated crops and 12.7% mixed crops.

There were about 193,036 horticultural trees in Rafah Governorate: 157,071 bearing trees and 35,965 non-bearing trees; 180,534 irrigated trees; 11,840 rainfed horticultural trees and 662 trees the type of irrigation was not state.

**Number of Bearing and Unbearing Trees in Rafah Governorate by Type of Farming, As in 01/10/2010**



## 1.5 Livestock

### 1. Cows:

There were 3,108 cows raised in Rafah Governorate: 2,541 males and 567 females. The breeds of cows in Rafah Governorate were 7.1% local cows; 23.7% Holstein-Friesian cows; 33.8% hybrid cows and 35.4% other cows. Cows bred primarily for milk made up 3.3%, with 96.7% bred for meat. Rafah locality raised the most cows (56.2%) in Rafah Governorate on the enumeration day, the first of October 2010.

### 2. Sheep:

There were 8,380 sheep raised in Rafah Governorate: 2,377 males and 6,003 females. The breeds of sheep in Rafah Governorate were 26.7% local (Awassi) sheep; 58.2% (Assaf) sheep; 12.8% hybrid sheep; and 2.3% other. The percentage of sheep raised primarily for milk was 23.9%, with 76.1% raised primarily for meat. Rafah locality raised the most sheep (57.5%) in Rafah Governorate, on the enumeration day, the first of October 2010.

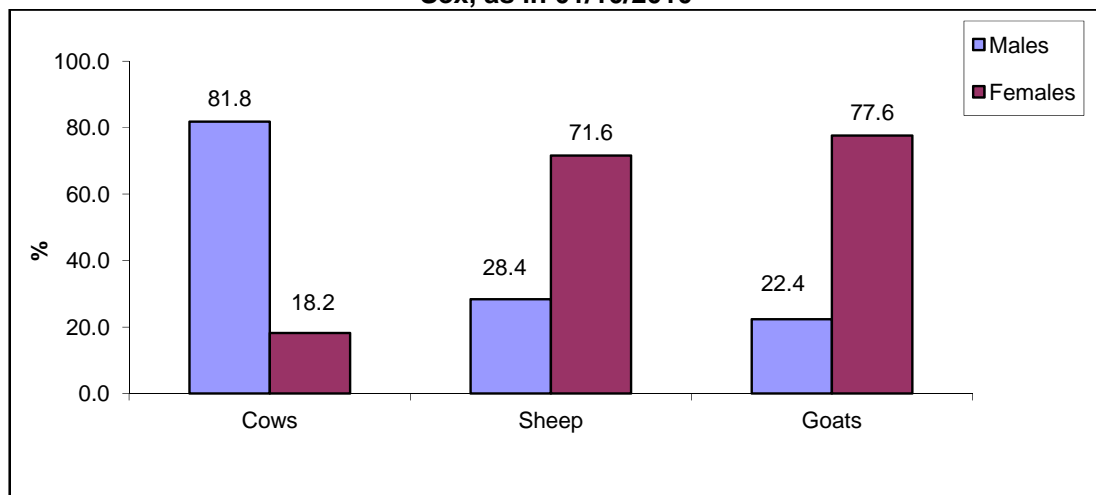
### 3. Goats:

There were 1,559 goats raised in Rafah Governorate: 349 males and 1,210 females. The breeds of goats in Rafah Governorate were 73.2% local goats; 21.0% Shami (Syrian) goats; 3.5% hybrid goats; and 2.3% other. The percentage of goats raised primarily for milk was 38.9% with 61.1% for meat. Rafah locality raised the most goats (50.1%) in Rafah Governorate on the enumeration day, the first of October 2010.

#### 4. Camels:

There were 151 camels raised in Rafah Governorate: 37 males and 114 females on the enumeration day, the first of October 2010.

**Percentage Distribution of Cows, Goats and Sheep in Rafah Governorate by Sex, as in 01/10/2010**



#### 1.6 Poultry Farming

There were 324.0 thousand broilers, 13.0 thousand layers, 7.5 thousand birds mother of broilers and 50 turkey birds, on the enumeration day, the first of October 2010. In the 2009/2010 agricultural year, there were 1,632.0 thousand poultry of broilers and 150 turkey birds. The area size of poultry barns in Rafah Governorate totaled 52.1 thousand m<sup>2</sup>.

#### 1.7 Domestic Poultry

There were 13.6 thousand domestic poultry birds in Rafah Governorate; 14.7 thousand pigeons; 621 birds of domestic turkeys; 9.5 thousand rabbits; and 5.4 thousand other domestic birds on the enumeration day, the first of October 2010.

#### 1.8 Bees

There were 632 beehives in Rafah Governorate of which 532 were modern beehives (84.2%) and 100 traditional beehives (15.8%) on the enumeration day, the first of October 2010.

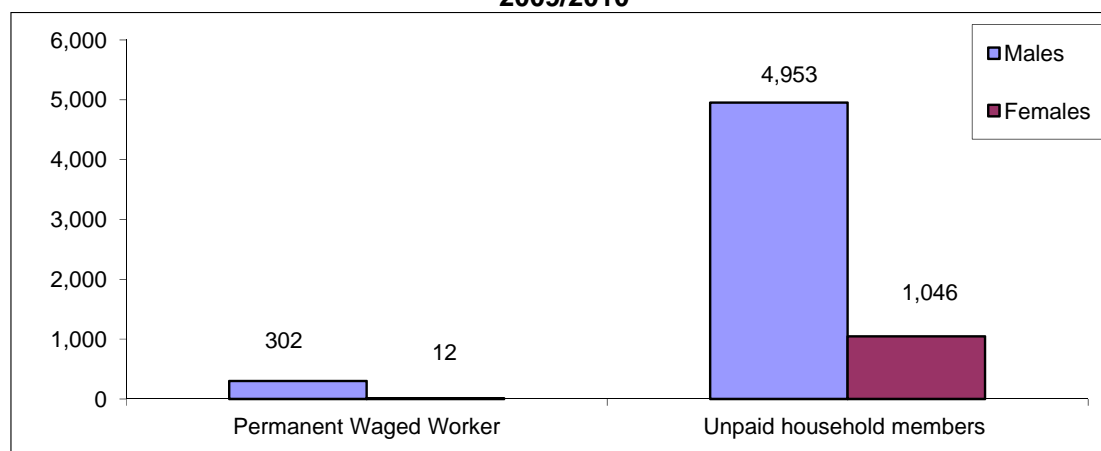
#### 1.9 Other Animals (Equines)

The number of equines animals on agricultural holdings in Rafah Governorate was 158 horses, 12 mules and 597 donkeys on the enumeration day, the first of October 2010.

#### 1.10 Agricultural Labor Force

The results indicated that 176 agricultural holdings in Rafah Governorate hired permanent waged workers, of which 107 holdings hired one permanent waged worker, 66 holdings hired two to five permanent waged workers, and 3 holdings hired six permanent waged workers or more. The results also indicated that 58.9% of permanent waged workers on agricultural holdings were aged between 18-29 years and 96.2% of permanent waged workers were males.

### Number of Permanent Waged and Unpaid Workers in Rafah Governorate by Sex, 2009/2010



There were 2,314 agricultural holdings in Rafah Governorate which hired temporary waged workers, of which 76.5% were plant holdings, 2.1% animal holdings and 21.4% mixed holdings.

#### 1.11 Agricultural Applications

The results indicated that 80.3% of all plant and mixed holdings in Rafah Governorate used organic fertilizers; 74.3% used chemical fertilizers; 74.8% used agricultural pesticides; 44.8% used improved agricultural assets, and 34.5% used integrated pest management. The results indicated that 82.1% of animal and mixed holdings vaccinated animals against Epidemiological Diseases.

The results indicated that 14.8% of plant and mixed holdings received governmental agricultural services; 14.4% of animal and mixed holdings received veterinary services; 1.5% of agricultural holdings received agricultural and veterinary services; and 81.0% did not receive services.

The results indicated that 14.7% of agricultural holdings in Rafah Governorate did not receive agricultural extension; 10.2% received agricultural extension mainly from the Ministry of Agriculture; 35.5% from farmers; 0.4% from the mass media; and 13.2% from dealers in agricultural materials.

There were 64 agricultural holdings with fish farms in Rafah Governorate. In addition, 1,065 of agricultural holdings form the main source of income for the household.

The results indicated that Israeli measures deny access to perform farm work to 63 agricultural holdings in Rafah Governorate, of a total area of 851 dunums which equivalent to 4.8% of the total area of the agricultural holdings in Rafah Governorate.



## Chapter Two

### Methodology and Data Quality

#### 2.1 Objectives of the Agricultural Census

The Agricultural Census aims to provide data on the structure of the agricultural sector as the basis for the efficient utilization of agricultural resources and the projection of related indicators to develop and make optimal use of agricultural resources. In addition, data provide a benchmark for setting estimates for subsequent years and to build a sampling frame as the basis for future agriculture-related surveys on different holdings in the Palestinian Territory. These could include periodic surveys of agricultural holdings, livestock, gardening, and farm management to provide basic and detailed data on the characteristics of the agricultural sector to meet the needs of ministries for planning and monitoring. Such data also contribute to regional planning, best distribution of resources, and meeting the needs of the private sector.

The rationale for the implementation of an agricultural census is as follows:

1. To meet the growing demand for up-to-date and reliable statistical indicators by users concerning the agricultural sector in the Palestinian Territory. Such statistics are necessary for the planning and monitoring of agriculture-related programs by governmental and private institutions.
2. To provide relevant statistics to ensure the optimal use of land and contribute to food security and self reliance in the Palestinian Territory.
3. To monitor the changes affecting agricultural land in the Palestinian Territory as a result of continuous Israeli aggression, confiscation of land, isolation of the population, and the building of the annexation wall.
4. To conduct an agricultural census every ten years according to the General Statistics Law No. 4 of 2000.

#### 2.2 Census Characteristics

##### 1. Geographical coverage:

The Agricultural Census is a comprehensive enumeration that should cover a specific geographical area accurately. The census covered all of the Palestinian Territory, including rural and urban areas and refugee camps.

##### 2. Time reference point:

The moment assigned to the census data is usually the middle of the night. The reference time of the Agricultural Census was midnight of 30 September to the first of October 2010. Most of the census data were based on this time and the reference night which referred to the reference day of the first of October 2010. This time reference covered data related to permanent crops, buildings, and livestock. Some census data were attributed to a specific reference period that includes information from a previous period of time, which is the census reference year that represents a period of 12 consecutive months from the morning of the first of October 2009 to the evening of 30 September 2010. The reference year is the agricultural year for data related to temporary crops and the use of agricultural materials and machinery.

##### 3. Enumeration period:

The collection of data on agricultural holdings within a specified period is called the enumeration period and is based on a number of logistical points. The enumeration period of the Agricultural Census 2010 was the morning of second of October 2010 to 14 November

2010 in the West Bank and the morning of 10 January 2011 to 20 February 2011 in the Rafah Strip.

#### **4. Enumeration unit:**

The statistical unit is the agricultural holding. Common grazing lands, public parks, fishing and all land not included in an agricultural holding are not included in the Agricultural Census according to the recommendations of the Food and Agriculture Organization (FAO).

#### **5. Census frame:**

The frame of the Agricultural Census 2010 includes a complete record of holdings by households and collaborative institutions. The frame was prepared by listing all holders through visiting every household, using maps to reach all addresses.

### **2.3 Stages of Agricultural Census Implementation**

The implementation of an agricultural census usually takes three years from the preparatory stage until the dissemination of the detailed data. The Agricultural Census 2010 was conducted via various stages that included a preparation process and all other relevant activities as follows:

1. The preparatory stage (2 January 2009 – 30 September 2010): This stage comprised the issuance of the relevant official decisions and the formation of organizational structures and the agricultural census committees. Consultations were held with the relevant stakeholders and data users to pinpoint the priorities and obtain a national consensus on the census contents. A pilot census was also conducted during this period from 7 October 2009 to 5 November 2009 where the census implementation plan was tested, along with the design of the questionnaires, manuals, plans for data-entry, data coding, data auditing, and preparing the results and census implementation methodology. The pilot census, which was very similar to the main census, was conducted in order to draw up a final version of the census manuals, to prepare the implementation plans and data processing mechanisms, estimate the number of census personnel required, etc.
2. The field work stage: This took place from 01 October 2010 to 14 November 2010 in the West Bank and from 10 January 2011 to 20 February 2011 in the Rafah Strip. In this stage, the borders of enumeration area maps were updated during field work, in addition to listing agricultural holders and holdings.
3. Data processing and dissemination stage: This stage started in November 2010 and will continue until June 2012. This stage includes collecting the questionnaires, editing, coding and entering the booklets and questionnaires, in addition to tabulating and disseminating the preliminary and final results.

### **2.4 Questionnaires and Forms**

Two questionnaires were designed to collect data covered by the census. The first questionnaire was designed to list households and agricultural holdings, while the second was related to the enumeration of the agricultural holdings. Items and variables were as follows:

#### **1. Household and agricultural holdings questionnaire:**

This included data of households and agricultural holdings, in addition to identification data, building name or owner, type of building, current use of the building, the total number of housing units in the building, current use of housing unit, the name of the householder, number of household members (males, females), and number of holdings of the household.

## **2. Agricultural holdings enumeration questionnaire:**

The enumeration questionnaire of the agricultural holdings included the following:

### **Part One: Identification data:**

Identification data included the enumeration area number, building number, housing unit number in the building, in addition to identification data on the holder and the respondent.

### **Part Two: Holders and holding data:**

Holders and holding data included data on the holder, such as the legal status, age, sex, main occupation, holder's relation to the householder, number of holder's household members, educational level, specialization, and data about the holding, including the holding type, the holding management method and main purpose of production.

### **Part Three: Land use:**

This included the unit's address, total area, uncultivated area (buildings used for holding's purposes, building not used for holding's purposes, permanent meadows and pastures, other). Cultivated areas include areas of permanent and temporary crops, forests, land that is temporarily fallow, nurseries, sources of irrigation, and utility rights.

### **Part Four: Crops /field crops, vegetables, horticultural trees:**

This included the following:

- **Field crops:** Questions related to the cultivation of field crops during the agricultural year: crop name, agricultural session, crop status, rainfed area, irrigated area, method of irrigation, and harvested area.
- **Vegetable crops:** Questions related to the cultivation of vegetable crops during the agricultural year: crop name, agricultural session, crop status, open air area, method of irrigation, protected area, type of protection, irrigation method, and harvested area.
- **Horticultural trees:** Questions related to the cultivation of horticultural trees during the agricultural year: crop name, method of farming, crop status, number and area of bearing trees and method of irrigation, area and number of nonbearing trees and method of irrigation, area and number of protected bearing trees and method of irrigation, area and number of protected nonbearing trees and method of irrigation.

### **Part Five: Farm animals:**

This included the following:

- Raising farm animals (sheep, goats and cows): type and species, address, type of rearing, the number according to sex and age group, the main purpose of raising the animals.
- Poultry farming: type, address, number of barns, area of barns, maximum production capacity, actual number on the enumeration day of the first of October 2010, average number of barn cycles per year, total number of poultry raised during 2009/2010.
- Domestic poultry breeding: type, number, beekeeping, and other livestock.

### **Part Six: Agricultural labor force:**

It included data on the agricultural labor force in the agricultural holding: employment status, sex, age, number and temporary employment.

### **Part Seven: Agricultural machinery and equipment:**

It included questions on the use of agricultural machinery and equipment during the agricultural year.



### **Part Eight: Agricultural practices during the agricultural year:**

This section included questions related to the use of agricultural practices; the availability of brooders or fish breeding; benefits from land reclamation projects; the construction of agricultural roads or any other agricultural projects.

#### **2.5 Field Work**

The field work stage included the following activities:

##### **1. Training field workers and distributing them by activity:**

A training program was provided for all field workers recruited for the Agricultural Census 2010. The program included specific training sessions covering concepts, definitions, interviewing, filling out of questionnaires, tasks and responsibilities of field workers, as well as supervision and management references.

##### **2. Updating maps:**

The maps of the Population, Housing and Establishment Census 2007 were utilized to serve field work activities of the Agricultural Census 2010. Field workers were provided with detailed maps of the enumeration areas. Supervisors were assigned the responsibility to delineate the boundaries of the enumeration areas while field workers were instructed to assign new buildings after 2007 accurately on the maps.

##### **3. Listing and enumerating the agricultural holdings:**

The listing and enumeration of the agricultural holdings was conducted in the West Bank during the period from the first of October 2010 to 14 November 2010 and in the Rafah Strip during the period 10 January to 20 February 2011. Enumerators visited each household and filled out the agricultural holding and listing questionnaires. In cases where the household had one holding or more, the details of each holding were recorded in the corresponding questionnaire. The data from the questionnaires were edited in the field during the enumeration process by supervisors in each governorate.

##### **4. Re-interviewing:**

Re-interviewing of households was conducted by census supervisors and team leaders in each governorate by conducting random visits to households in the enumeration areas and filling out part of the listing and enumeration questionnaires. Re-interviewing was conducted to ensure data quality and control of field work activities.

##### **5. Delivery of questionnaires:**

The receipt of questionnaires from each field worker was conducted after completion of their enumeration areas on the evening of 14 November 2010 in the West Bank and 20 February 2011 in the Rafah Strip. All of the questionnaires of each governorate were received in the field work offices and then sent to the main PCBS premises in Ramallah for the West Bank and the main PCBS office for the Rafah Strip.

##### **Receipt of questionnaires from the field:**

After completing the enumeration stage, team leaders received all forms from enumerators (field workers), including the household and agricultural holdings listing questionnaires, holdings questionnaires, administrative forms, maps of enumeration areas, and any cancelled or unused forms. Then, team leaders handed over all questionnaires and administrative forms to supervisors who technically examined these forms and provided them to the census director in the governorate.

### **Receipt of all relevant materials at the main premises of PCBS:**

Receipt of all the relevant materials of the census in the Palestinian Territory took place from 19 November 2010 and continued until 28 February 2011.

### **2.6 Preliminary Results**

After completing the enumeration process on 14 November 2010 in the West Bank, enumerators and team leaders, in cooperation with the directors of the census in the governorates, conducted an office review and preparation of preliminary results in the field during the period from 16 to 18 November 2010 in the West Bank: while in the Rafah Strip the activity was conducted from 20 to 24 February 2011.

The forms of preliminary results received from the field included the number of households and the number of holdings by type in the enumeration area. The preliminary results forms were then checked to verify that they covered all of the enumeration areas registered in the main register of the enumeration areas. The data were electronically entered in order to obtain preliminary statistical tables on the Palestinian Territory and individual governorates. The statistical tables included the number of households and holdings and their type. The preliminary results were disseminated in the local mass media and on the official website of PCBS on 17 April 2011.

### **2.7 Data Processing**

Data processing included all activities that followed the field work, such as office editing of questionnaires, coding, data entry and computer editing. This process started on 15 December 2010 according to the plan, which included training the editors and coders and hiring 100 personnel in addition to the supervisory team.

Special data processing programs were developed and tested to capture the census data. The computer was used to enter the data of the households and holdings listing and enumeration questionnaires.

Data editing, coding, entry, checking and cleaning were finalized on 16 June 2011 in the West Bank and on 31 August 2011 in the Rafah Strip.

The technical team followed up the data processing, testing its accuracy and quality and comparing it with the preliminary results and other data resources, in addition to preparing the tables and the report of the final results of the census in the Palestinian Territory.

### **2.8 Dissemination Plan**

A tabulation plan of the main reports was drawn up. This plan was related to the dissemination of the main census results on a national level, as well as for the West Bank and Rafah Strip separately and for each governorate.

### **2.9 Data Quality**

There are two types of error: statistical errors and non-statistical errors. Statistical errors occur in survey samples and not in censuses. These errors can easily be measured and the error rate estimated since it is an error in sampling. Non-statistical errors occur at any stage of the implementation of a survey or census. Therefore, a data quality system had to be established when conducting the Agricultural Census 2010 to achieve the highest level of data coverage and accuracy for the statistics produced in order for them to be utilized for planning, decision making, and research purposes. The impact of errors on data quality was minimized due to the

high level of competency and professional performance of the well-trained field work team, and also due to the existence of a quality control program to prevent or minimize errors as much as possible, find these errors when they occurred, and take the relevant procedures to correct them. A strict quality control system was established at all stages of the census, from the preparatory stage to the data processing and dissemination stage, to ensure that highly accurate data would be obtained. Quality control in the preparatory stage is crucial as it is succeeded by all census stages. Therefore, adequate time and appropriate procedures were taken into consideration at each stage to ensure high quality and authentic census data.

### **1. Quality control mechanisms at the preparatory stage:**

All necessary definitions and instructions were drawn up in the preparatory stage in line with international recommendations and the needs of data users. Questionnaires were designed properly to ensure the reliable transfer of instructions. Detailed maps were prepared and copied for each enumeration area in order to list every building, housing unit, and household and enumerate all the holdings of the household or any of its members. Booklets and questionnaires were drawn up to collect, enter, and store data, and all questionnaires, forms, mechanisms, field work and office review activities, printing of questionnaires, forms and manuals were tested in the pilot census conducted one year prior to the main census. In addition, data entry programs and electronic editing programs were selected and all coding manuals and tabulation and dissemination processes were reviewed in the preparatory stage. The number of personnel, the financial costs, and time schedule of activities were also estimated and prepared at this preparatory stage.

### **2. Quality control mechanisms in the implementation stage:**

#### **• Selecting and training personnel:**

Since the Agricultural Census was a large-scale activity with many stages and a large number of workers, proper mechanisms were required to ensure the collection of authentic data. Maps of the Population, Housing and Establishments Census 2007 were utilized. The number of agricultural holdings for each enumeration area was estimated and the enumeration areas divided according to the capacity of field workers in order for all activities to be accomplished on time with the various levels of supervision.

The best personnel were selected from unemployed graduates, especially those with a diploma and higher. The field workers were selected from the same locality as the enumeration area since they were familiar with the buildings and households.

Training plans and programs were prepared for all personnel. The census directors and their assistants in the governorates were trained first. They then trained the supervisors, who participated in training the team leaders and enumerators. Thirty percent of the personnel at each stage were trained as standby staff who could be summoned in case any workers quit the job, were discharged, or in any other case of emergency.

The selection of personnel was based on the results of a test and individuals with the highest scores were selected. The census directors were selected from Ministry of Agriculture offices in the governorates and had considerable technical experience in the agricultural field. The assistants of census directors in governorates were selected from those who had considerable technical and administrative experience at PCBS. Some supervisors were selected from the Ministry of Agriculture and PCBS and had worked as technical and field workers in the household surveys and agricultural pilot census.

- **Data collection:**

Field work mechanisms were established in order to obtain accurate data. A program of field visits was set up with defined objectives and data quality checks on each visit. Field work review and the processing of regulations were prepared prior to finalizing the field work.

Each supervisor supervised the work of four crew leaders and each crew leader supervised the work of three to four enumerators. Each enumerator worked on filling out the data of the holdings listing questionnaire and the holdings enumeration questionnaire, in case there was a holding for the household or one of its members.

The direct interview method was adopted only where it was necessary to obtain the data from an adult agricultural holder or head of household, or one of the household members who had accurate data on the agricultural holding. In cases where the holder or the appropriate individual was absent, the household was visited again at a different time to obtain the required data.

Data collection was based on official documents, such as basic data (name and ID number). The householders were notified and informed of the importance of the agricultural census and its objectives prior to starting the actual enumeration process and during the visits. Instructions were given to all personnel at every level on how to perform field and office reviews of their activities and the activities of other staff and how to review and correct errors. The census director, his assistant, the supervisor, and the crew leader each reviewed part of the enumerator questionnaires and checked the data quality and comprehensiveness, especially in the first days of the work, in addition to daily office and field work supervision. The supervisor obtained two percent of the data on households and the crew leader obtained five percent of the data on households. They also ensured that all target households were visited and the holdings data were consistent, in addition to notifying enumerators about errors in their work.

The census director in the governorate, his technical assistant, the supervisor, and the crew leader held a daily staff meeting to provide personnel with new instructions for the correction of errors made during the previous day, thereby avoiding any repetition of errors. Work superiors performed a daily office review of staff to check data coverage for all the enumeration units, to ensure the data were consistent in each questionnaire, and to check that staff had followed the necessary instructions. Information was publicized in the media explaining the activities of the census to increase public cooperation with census staff.

Many forms were drawn up and used to follow up work and show goals had been met on a daily basis. Some forms were related to booklets and relevant materials used in the census, or check-in work sheets for staff, or forms to check that all targeted holdings had been covered, etc. A central operations room was formed and worked continuously at the main premises of PCBS. This provided technical, administrative and logistic staff to respond to inquiries and provide general written instructions.

A database was used in each governorate to record the daily achievements of field workers and control the technical and administrative follow-up operations of all work stages. This assisted the census management and the central operations room at PCBS to monitor all stages of the work and perform required procedures promptly.

- **Non-response cases:**

Mechanisms were put in place to deal with non-respondents, especially in Jerusalem governorate and nearby localities. Among these mechanisms were field visits conducted by members of the central operations room and sharing concern with official bodies to minimize the non-response rate.

### **3. Quality control mechanism in the data processing stage:**

This stage included editing, coding, data entry and review processes, in addition to reviewing and checking all the previous processes for all the enumeration areas. Procedures and instructions were implemented to check data consistency and coding, ensure that all enumeration areas and data from booklets and questionnaires, buildings, housing units, households, agricultural holdings and individuals were electronically entered. A mechanism was set up to edit the booklets and questionnaires, follow up their transfer from one process to another and ensure that the process for each questionnaire was accomplished properly. All documents were indexed and classified for easy access and stored in a special place with a supervisor who controlled and organized the received documents and the daily achievements.

Coding manuals were prepared and checked. Instruction manuals for auditing, coding, checking data consistency, and discovering errors and correcting them were also drawn up. Workers in editing and coding were the best field workers who filled out the households and individuals questionnaires. There was centralized work and training to unify concepts and data checking processes in order to overcome field differences in all governorates. All questionnaires were edited and checked for data consistency at the office (100%) and editing and coding was reviewed at the office for 50% of the questionnaires to remove individual differences by editors, discover errors, and correct them.

A test was conducted on all individuals involved in data entry and the individuals with the best results were selected. Central training took place for data-entry operators on a unified data-entry mechanism. During the first three days, all data entered by operators were reviewed and re-entered. Necessary corrections were performed and data entry operators were informed about them. Data entry operators with high error rates were excluded and the best operators were selected based on quality and speed. Mechanisms were set up to ensure that data were entered properly. In the first stage, a special file was prepared for each enumeration area consisting of comprehensive identification data, including the number of households and the total number of booklets to ensure that all households and booklets were entered. A comprehensive check was set when entering the identification data, in addition to a number range for each main question. The computer program would not accept any number beyond this range, such as the type of the holding, utility rights, all previously coded questions in the agricultural census questionnaire, and the type of the building in the holdings listing questionnaire. For the remaining questions, a comprehensive check was performed again for the range of each question after the data entry process, and also after extracting transcripts of the errors resulting from data inconsistency.

### **4. Extraction of transcript errors:**

Programs were prepared to extract transcript errors as follows:

1. A manual was prepared of the electronic and office review instructions for the agricultural holdings enumeration questionnaire. In addition, documents detailed the electronic and office review instructions for the agricultural holdings. A listing questionnaire included checks on the comprehensiveness of data entry, errors in

consistency, and to uncover exceptional cases which have been reviewed. Each error was given a name and number in the manual to enable easy access.

2. A transcript was extracted for each enumeration area, including identification data on each building, housing unit, holding, or plot, in addition to a title and number in the manual to assist the editor in finding the error type and location, in addition to an editing, review and correction mechanism that included more than 600 checks on several stages.
3. The transcripts were provided to the reviewers who referred to the original booklets. If the error occurred while entering the data, it was amended on the transcript. If the error occurred in the field, the related questions were checked and amendments were made according to each case. For example, if the type of holding was a plant holding, data in part five of the animal holding should not be filled out according to the definition. First, the correction was made during manual editing, then electronic transcripts were extracted after the data entry. Then, the cases were corrected manually on the record and the correct data was re-entered. To check the thoroughness of data entry, there was a main manual which included all the enumeration areas. The number of booklets and holdings in the enumeration area were counted manually before being entered electronically. If there was a difference between the entered records or holdings and the total number of entered holdings in each enumeration area, an error message would pop up and the necessary correction would be made. This method ensured that all holdings were entered with all plots in each agricultural holding i.e., field crops, vegetable crops, horticultural trees were entered with 100% coverage through calculating the total area size of the plots in the holding.
4. The amended transcripts were returned to be re-entered and make the necessary corrections. A copy of the entered data was kept on a daily basis.
5. The previous stages were applied two or more times in order to clean all of the enumeration area data.
6. Data files were collected and the tables and repetitions were reviewed, in addition to adding any checks or auditing mechanisms to discover errors or issues that required attention. At this stage, specialists in different domains (plant and livestock) participated in checking the data before the final tabulation, where errors were corrected accordingly.
7. Many detailed tables were created during the data cleaning process. They were edited and reviewed for data quality and accuracy, ensuring that the data are logical and consistent prior to the final extraction of the tables.

##### **5. Evaluation of the data quality:**

The evaluation of the results of the agricultural census via error rates is considered an essential response to questions relating to the comprehensiveness and accuracy of the census data. There are many methods and tools to evaluate the results of the census and these may include either one source of the data (the census data) or many sources. The quality control program of the Agricultural Census 2010 comprised many methods to measure the comprehensiveness and quality of the data, as described below:

- **Checking the internal consistency of data:**

The Agricultural Census 2010 is the first census on agricultural holdings, production and the agricultural labor force so extra attention was given to checking data quality by every means, with checks on the internal consistency of data as the most important. Instructions and procedures were set up during field work activities to ensure high quality data were obtained and additional mechanisms and forms for follow up and controls were put in place. Transcripts were extracted after entering the data in order to ensure that all enumeration areas were entered, in addition to the buildings, households and holdings, and the internal

consistency of data for each unit was verified. Transcripts of errors in consistency or uncertain data were extracted to be checked and corrected. The transcripts were then reviewed by technical personnel.

- **Comparing the results with other sources:**

Data and indicators of the Agricultural Census were compared by technical personnel with data and indicators from PCBS agricultural surveys conducted in 2005 with similar methodology. The results indicated that there was high consistency between data. When census data were compared with data from the Ministry of Agriculture, some differences were found, especially in data relating to cultivated areas due to the difference in methodologies. Ministry of Agriculture data depend on estimates of data by locality by agricultural extension agents, based mainly on data from the agricultural census conducted by the Israeli Civil Administration in 1970.

- **Cases with no stated response:**

These cases were coded and designated the number nine according to the number of items in each question where a response was not given e.g., source of irrigation, utility rights, the agricultural session , etc.

**Percentage of Not Stated cases for Selected Indicators of Agricultural Census in Rafah Governorate 2009/2010**

Indicator	Percent (%)
Source of irrigation for parcel	0.4
Land tenure for parcel	0.9
Agricultural session for field crops	0.0
Status of crop for field crops	0.0
Method of irrigation for irrigated field crops	0.6
Agricultural session for vegetable crops	0.0
Status of crop for vegetable crops	0.0
Method of irrigation for open vegetable crops	0.8
Type of protection for protected vegetable crops	0.0
Method of irrigation for protected vegetable crops	0.0
Method of farming for horticulture trees	0.0
Status of crop for horticulture trees	0.0
Method of irrigation for bearing horticulture trees	0.3
Method of irrigation for non-bearing horticulture trees	0.0
Type of production system for cattle, sheep, and goat	0.0
Main purpose of production for cattle, sheep, and goat	3.8

## Chapter Three

### Concepts and Definitions

The Agricultural Census 2010 was based on Food and Agriculture Organization (FAO) recommendations to facilitate future comparisons with neighboring countries and also on the results of consultations with the main users. A specific definition for each variable in the census was prepared on the basis of international recommendations, while taking into consideration the special needs of Palestinian society.

#### **Governorate:**

Governorates were defined according to the official administrative division of the Palestinian Territory for the end of 1997. There are 16 governorates, each consisting of a number of localities.

#### **Locality:**

A permanently inhabited place with an independent municipal administration, or a permanently inhabited separate place not included within the formal boundaries of another locality.

#### **Agricultural Census:**

The complete process of collecting, compiling, processing, analyzing, evaluating, and disseminating to provide statistical data on agricultural holdings, characteristics and agricultural applications in a specific reference period for all holdings within the country.

#### **Agricultural Holding:**

An economic unit of agricultural production under single management comprising all kept livestock and all land used totally or partially for agricultural production purposes regardless of legal form or size. Single management may be exercised by an individual or household, jointly by two or more individuals or households, by a clan or tribe, or by a juridical person such as a corporation, cooperative, or government agency. The land of the holding may consist of one or more parcels located in one or more separate areas, or in one or more territorial or administrative divisions, providing the parcels share the same means of production such as labour, farm buildings, machinery, or draught animals.

#### **Plant Holding:**

The presence of cultivated or arable land for any agricultural crops controlled by the holder. This must not be less than one dunum for an open cultivated area and half a dunum for a protected cultivated area.

#### **Animal Holding:**

The presence of animals controlled by the holder. The holder should have any number of cattle or camels, at least five heads of sheep, goats or pigs, at least 50 poultry birds (layers and broilers), or 50 rabbits or other poultry like turkeys, ducks, fer, etc, or a mixture of them, or at least three beehives.

#### **Mixed Holding:**

Where the holder has plant and animal holdings, according to the definition of plant and animal holdings, providing both animal and plant activities and sharing the same means of production such as labour, farm buildings, machinery, or draught animals.



**Agricultural Holder:**

The holder is a civil or juridical person who exercises management control over the agricultural holding operation, and takes major decisions regarding the holding and may undertake all responsibilities directly, or delegate responsibilities related to day-to-day work management to a hired manager.

**Legal Status of Agricultural Holder:**

Refers to the juridical aspects under which the agricultural holding is operated. It also refers to other aspects about the type of holding. From the juridical point of view, a holding may be operated by a single individual, jointly by several individuals with or without a contractual agreement and belonging to the same or to different households, or by a juridical person: cooperation, cooperative, governmental institution.

**Management Method of the Agricultural Holding:**

A method which is used for daily supervision of agricultural holdings, including workers, irrigation, fertilization, etc, which could be by the holder or hired manager or by a family member.

**Hired Manager:**

A civil or juridical person who takes technical and administrative responsibility for the management of a holding on the holder's behalf. Responsibilities are limited to making day-to-day decisions on the operation of the holding, including managing and supervising hired labour. Wages may be paid in cash and/or kind. A hired manager who shares economic and financial responsibilities, in addition to managing the holding, should be considered a holder or a joint holder.

**Household:**

The household is defined as one person or a group of persons with or without a family relationship, who live in the same housing unit or part of the housing unit, share meals and make joint provision of food and other essentials of living.

**Head of Household:**

The person who usually lives with the household and is recognized as head of household by its other members. Often he/she is the main decision maker and is responsible for financial support and welfare of the household.

**Land Tenure:**

The arrangements or rights under which the holder operates the land making up the holding. Land rented to another person is not considered part of the tenure may be owned or rented or government or any other form.

**Reference Date:**

This refers to the moment on which the census data are based. Normally, it refers to midnight of the day preceding the reference period. Thus, the findings of the census relate to that night.

**A Parcel:**

Any piece of land of one land tenure type, entirely surrounded by other land, water, road, forest or other features not forming part of the holding or forming part of the holding under a different land tenure type. A parcel may consist of one or more fields or plots adjacent to each other.

**Main Purpose of Production of the Holding:**

The main purpose of the production, which is mainly either for sale or for household consumption. Mainly means half or more of the agricultural production through the agricultural year.

**Age of the Holder in Completed Years:**

The completed age in years of the person enumerated, which is the difference between the date of birth and the survey reference period.

**Educational Attainment:**

It refers to the highest successfully completed educational attainment level. The educational level for persons aged 10 years and over.

**Specialization:**

It refers to the name of the subject the person successfully completed. For the purposes of the agricultural census, specialization was divided into agricultural and non-agricultural.

**Unused and Undeveloped Potentially Productive Land:**

This includes land uncultivated during the agricultural year. This may be part of the holding crops rotation system or because of lack of water, or other reasons. If data were collected before cultivation was completed, this land should be classified according to the crops grown on the land.

**Land Under Permanent Pastures and Meadows:**

This means land used permanently (i.e., for five years or more) for herbaceous forage crops. Permanent meadows and pastures on which trees and shrubs are grown should be recorded under this heading only if the growing of forage crops is the most important use of the area.

**Permanent Agricultural Workers:**

A person whose services are utilized regularly and continuously during the agricultural year for agricultural work on the holding. Permanent agricultural workers work for at least eight months during the agricultural year.

**Occasional Agricultural Workers:**

A person working one or more times during the agricultural year who is not expected to work regularly or continuously on the holding. Occasional agricultural workers work for less than eight months during the agricultural year.

**Unpaid Family Member:**

A person who works without pay in an economic enterprise operated by a related person living in the same household.

**Main Occupation:**

The job or type of work performed by the employed person, or used to be performed by the unemployed. The occupation refers to the activity in which the employed works more than half of work hours or the most frequent job during the last three months before reference data. For the purposes of the agricultural census, the main occupation was divided into agricultural and non-agricultural.

**Holding Area:**

This is a derived item obtained by summing the area under each land use category. It is the area of all land making up the agricultural holding and includes all land operated by the

holding without regard to title or legal form. Thus, land owned by members of a household but rented from others should not be included in the area of the holding.

**Area under Permanent Crops:**

This is an area devoted to fruit trees that does not need to be replanted annually, or an area used for horticulture i.e., scattered and in association with other crops (inter-cropped).

**Nurseries:**

An area where young plants, trees or vines are propagated for the purpose of transplanting. Plants in a nursery are not harvested and are therefore not included in the area (temporary crops) or current area (permanent crops). A nursery might be in the open or under protective cover. It may be used for the development of planting materials for the holding itself or for sale. Nurseries do not include seed fields and forest tree nurseries.

**Cropped Land Under Protective Cover:**

Land under a permanent structure with a roof of glass, plastic or other material used for protecting crops against the weather, pests, or diseases. Such structures may be used for growing temporary or permanent crops.

**French Tunnels:**

A tunnel consisting of a group of iron arches (1-3 inches in diameter) with plastic fixed on it. The distance between the curves is around three meters, which makes a tunnel of 6-10 meters in width, 30-50 meters in length, and 1.5-2 meters in height. These tunnels are mainly cultivated with eggplant, pepper, cucumber, tomato, and kidney beans.

**Surface Tunnels:**

A tunnel consisting of plastic fixed on iron wires 1.0-1.8 meters in width and 1.5-2 meters high. These tunnels are mainly used in winter to protect open irrigated vegetables from cold weather and to raise the temperature before the fruiting stage.

**Cultivated Woodland:**

Includes land used permanently (for five years or more) to grow forest. Permanent meadows and pastures on which trees and shrubs are grown should be recorded under this heading only if the growing of forest trees is the most important use of the area and it is used as a source for wood or to protect land from erosion, such as pine, oak, cypress, and carob.

**Single Crop:**

This term refers to one crop grown alone in the field. This crop may be temporary or permanent.

**Associated Crops:**

A temporary crop grown in a compact plantation of permanent crops.

**Mixed Crops:**

Two or more different temporary or permanent crops (but not both temporary and permanent crops) grown simultaneously in the same field or area.

**Compact Plantation:**

Includes plants, trees and shrubs planted in a regular and systematic manner, such as in an orchard. Plants, trees or shrubs forming an irregular pattern but dense enough to be considered as an orchard are also considered a compact plantation.

**Scattered Plantation:**

Includes plants and trees scattered or isolated to different degrees without specifying the total area occupied. In determining the area covered by scattered trees, the total was based on the number of trees on the allocated area by each standard tree (whether of one kind or more) planted in the field, scattered or planted on the sides of the field and corridors, as a fence or windbreak, or trees scattered in the garden within the agricultural holding.

**Agricultural Year:**

The period covering the first of October to the end of September of the following year.

**Planting Session for Field Crops:**

The period during which field crops are cultivated.

- Summer session: from mid-February to mid-April
- Winter session: from the beginning of October to mid-December.

**Planting Session for Vegetables:**

The period during which vegetable crops are cultivated:

- Winter session: from the beginning of November to the beginning of December
- Spring session: from mid-February to mid-March
- Summer session: from mid-May to mid-June
- Autumn session: from mid-August to mid-September.

**Field Crops**

This is a set of temporary crops including cereals such as wheat and barley; legume crops such as chick peas and broad beans; oil crops such as sunflower, sesame, peanuts; tuber crops such as potatoes and onions; medical crops such as anise, sage, and mint; spice crops such as cumin, anise and black cumin; and fodder crops such as clover, alfalfa and sern.

**Vegetables**

This is a set of temporary crops used mainly for fresh consumption, including fruit vegetables such as pumpkins, eggplants, okra, maize and green legume; root vegetables such as carrots, radishes, and onion; leafy vegetables such as lettuce and spinach, plus strawberries, watermelon and musk melon. Vegetables can be grown open or protected.

**Permanent Crops (including trees horticulture)**

A crop growth cycle of more than one year that does not need replanting after each season and for the previous few years. For example, olive trees, citrus trees, and nuts. It is possible to grow permanent crops in intensive agriculture or scattered. The area planted with crops include two ways.

**Permanent Crops (related to age production - fruit)**

Permanent crops already bearing fruit and producing. Most tree crops become productive after a certain length of time. The fall crop, which amounted to this stage in the crop production and age had not yielded or produced yields in the reference year because of the climatic conditions, or for any other reasons, not included aging trees or other trees, which amounted age production but are no longer productive if identified within the crop at the age of production.

**Unbearing trees horticulture:**

non-bearing means not yet bearing (young plants) but also not anymore bearing (old and damaged plants).

**Rainfed Agricultural Land:**

Refers to agricultural land that relies mainly on rain for irrigation.

**Irrigated Area:**

An area of land that is normally provided with water other than rain for the purpose of improving production.

**Area Harvested**

Refers to the total area from which the crop is gathered. Thus, an area that is destroyed due to drought, flooding, pests or any other reason is excluded. The area harvested only covers crops grown to maturity. It does not include nurseries and includes all crops harvested regardless of their end use, whether for human consumption, for animal feed, or for any other purpose.

**Main Source of Water:**

- 1. Public Water Network:** A network of pipes for the purpose of providing clean water to households. It normally belongs to a municipality, the council, or to a private company.
- 2. Israeli Mekorot company:** A network of pipes for the purpose of providing clean water to households. It normally belongs to the Israeli Mekorot company.
- 3. Collection Water Wells:** Wells that are dug in the ground for the purpose of collecting rain water.
- 4. Springs:** Water that is discharged from the ground at an intersection point between the topographic surface and the groundwater table. It could be permanent or seasonal and is considered as one of the natural resources for irrigation.
- 5. Water Tanks:** Using water from vehicles that distribute and transfer water.
- 6. Others:** If the source of water was not mentioned above.

**Surface Irrigation:**

Refers to a system for partially or completely covering land with water for the purpose of irrigation. There are various types, including furrow, border strip, open channels and basin irrigation, regardless of the water source.

**Drip Irrigation:**

A system where water is distributed under low pressure through a piped network in a pre-determined pattern and applied as a small discharge to each plant, where drip emitters apply water slowly to the soil surface.

**Sprinkler Irrigation:**

Refers to pipe networks through which water moves under pressure before being delivered to the crop via sprinkler nozzles.

**Livestock:**

Refers to all animals kept or reared mainly for agricultural purposes. Includes cattle, buffaloes, sheep, goats, pigs, horses, mules, asses, camels, poultry, rabbits, bees and other domesticated animals, as well as foxes, minks, etc.

**Strain:**

A collection of genetic traits and productivity of one type of animal, such as a Friesian cow, or Assaf sheep.

**Type of Livestock Production System:**

Refers to the general characteristics and practices of raising livestock on the holding.

- **Semi-intensive farming:** the adoption of animals feeding on grazing plus feed to provide supplementary nutrition.
- **Intensive farming:** raising animals in barns on feed without outside grazing.

**Poultry:**

Refers to all poultry kept for different purposes of production, such as meat from broilers, eggs from layers, or meat from turkeys or any type of bird or rabbits.

**Maximum Capacity for Production:**

Refers to the maximum number of chicks that can be kept on the farm.

**Barns:**

Refers to the place where poultry is kept. It can be a special house or other building.

**Number of Cycles in the Barns:**

Refers to the number of production cycles the farmer makes during the agricultural year for all poultry houses.

**Broiler Cycles:**

The period that extends from the raising of chicks (aged one day) until the final marketing of the poultry.

**Mothers of Broilers:**

Refers to the chicks kept to produce fertilized eggs for hatching and producing broiler chicks.

**Layers:**

Refers to the chicks kept to produce table eggs, not usually for more than 30 months.

**Household Poultry:**

Refers to poultry kept in small numbers in special places near the home with the main purpose of household consumption e.g., layers, pigeons, geese, ducks, rabbits.

**Main Purpose for Raising Animal:**

Refers to the main reason for the animals to be kept. Normally, milk and meat are the main purpose.

**Hatchery:**

Special machines for the hatching of poultry eggs.

**Modern Beehives:**

A wooden box with specific dimensions consisting of a base, raising box and cover. Other layers and frames may be added or removed.

**Local Beehives:**

A locally-made beehive with non-specific dimensions and shapes, made mainly of soil or clay and sometimes from wood, to which layers and frames cannot be added.

**Machinery and Equipment:**

Covering all machinery, equipment and implements used as inputs to agricultural production. This includes everything from simple hand tools, such as a hoe, to complex machinery such as a combined harvester.

**Source of the Machinery/ Equipment:**

Refers to the means by which the holder obtained the right to use the specific item.

**Improved Asset:**

The origins of plants that have been genetically improved through hybridization or other assets to produce desirable genetic qualities, such as being resistant to disease or to encourage early or high production of crops and vegetables. Assets include seedlings, seeds, bulbs, and tubers.

**Chemical Fertilizer:**

Fertilizer prepared from inorganic materials manufactured through an industrial process such as mechanical enrichment, simple crushing, or more elaborate chemical transformation of one or more raw materials, and containing elements of essential nutrients for plant growth. These include nitrogenous fertilizer, phosphate fertilizers, potassium fertilizers, and mixed fertilizers.

**Organic Fertilizers:**

Fertilizer prepared from processed plant or animal material and/or unprocessed mineral materials (such as lime, rock or phosphate) containing at least five percent of combined plant nutrients. Organic fertilizers include some organic material of animal origin, such as bone meal, fish meal, leather meal, and blood.

**Pesticides:**

Substances intended to prevent or control disease or pests in plants or animals, including vectors of human and animal diseases, unwanted species of plant, or to control the behavior or physiology of pests or crops during production or storage. They include insecticides herbicides, fungicides, acaricides, termiticides and rodenticides.

**Integrated Pest Management:**

The combat system using a wide range of control methods: physical (burning and solar disinfection), biological (parasites and predators), chemical (chemical pesticides), and mechanical (tillage, hand hoeing and collection of insects). All of these are used in parallel against pests with the aim of maintaining human health, the environment, and the safety of the agricultural product. It is also necessary to ensure the survival of pests at a critical level without breaching the normal balance between pests and their vital enemies. Chemical control is the last option and may be integrated with the other methods of control, in addition to the use of chemical pesticides, within regulations which maintain public health, the environment, and the quality of agricultural products free from pesticide residues.

**Epidemiological Diseases:**

The sudden and unexpected increase in the number of cases of infections of diseases included in the World Organization for Animal Diseases, such as brucellosis, foot-and-mouth disease, anthrax, bird flu, newcastle, pox, etc.

**Source of Agricultural Extension:**

Refers to the source that provides agricultural advice and information to crop and livestock producers. Extension services may be provided by a government institution (MoA), non-government organization, farmer's organization, educational institutions, informal grass roots organizations, and others.