



مركز الإحصاء - أبوظبي
STATISTICS CENTRE - ABU DHABI



Annual Bulletin of **Agricultural Statistics** 2010

Issued in December 2011

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Agricultural Statistics 2010

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Foreword



Statistics Centre – Abu Dhabi is pleased to provide decision and policy makers, businessmen, researchers, and all those concerned with agricultural statistics 2010 and indicators with the second edition of the Agricultural Statistics 2010, which sheds light on and accurately monitors indicators and evidences of the comprehensive agricultural development in Abu Dhabi during 2010, under the wise leadership of H.H. Sheikh Khalifa Bin Zayed Al Nahyan – President of the UAE and Ruler of Abu Dhabi; in addition to the unlimited support of H.H. General Sheikh Mohammed Bin Zayed Al Nahyan – Crown Prince of Abu Dhabi, Deputy Supreme Commander of the Armed Forces, and Chairman of the Executive Council of Abu Dhabi.

The report provides detailed Statistics Covering in detail all aspects of the agricultural sector, whose importance stems from the fact that it consists of a large array of analytical statistics and indicators that assist in pursuing the directives of this sector; in addition to studying them in-depth and analyzing their effect to forecast the future, and develop integrated policies and strategies; in fulfillment of sustainable development of the agricultural sector that corresponds to the Abu Dhabi Vision 2030.

Further, the report includes many detailed charts that cover numerous agricultural indicators pertinent to all aspects of this sector including plants and fisheries; in addition to graphs and a summary of the important outcomes.

The Statistics Centre – Abu Dhabi wishes to extend its thanks and appreciation to all those who contributed to the success of this Report particularly the strategic partners; all of whom believe in the importance of team work, and are keen to achieve sublimation of the one homeland, the home of all.

We are hopeful that this Report of the Emirate of Abu Dhabi shall meet the requirements of the developmental process of the agricultural sector in the Emirate.

All the Best,



Butti Ahmed Mohammed Butti Al Qubaisi
Director General

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Summary of Agricultural Indicators

The bulletin consists of a number of charts and tables that include detailed statistical data of the agricultural sector for 2010. The hereunder are key indicators:

Plants Production Statistics 2010

Indicator	Value of Indicator	Unit
Area of Agricultural Holdings	747,679	Donum
Number of agricultural holdings	24,290	No.
Area of Working Agricultural Holdings	706,341	Donum
Number of Working Agricultural Holdings	22,285	No.
Cultivated Areas with Fruit Trees	283,976	Donum
Cultivated Areas with Field Crops	231,919	Donum
Cultivated Areas with Vegetables	11,910	Donum
Cultivated Areas under Green Houses	2,825	Donum.
Value of Vegetables Production	23,226.6	1000 AED
Value of Field Crops Production	3,121,807	1000 AED
Number of Working Wells	49,350	No.
Total Value of Loans given to the Farmers	26,718.8	1000 AED

Animal Production Statistics 2009

Indicator	Value of Indicator	Unit
Number of Sheep and Goats	2,305,603	Head
Number of Cattle	42,992	Head
Number of Camels	378,076	Head

Fish Production Statistics 2010

Indicator	Value of Indicator	Unit
Quantity of Fish Catch	6,333	Tons
Value of Fish Catch	1,24.4	Million AED
Number of Fishing Boats	4,400	No.
Number of Fishermen	1,051	No.

Foreign Trade in Agricultural Goods 2010

Indicator	Value of Indicator	Unit
Value of agricultural commodities Imported	6,705,965	1000 AED
Value of agricultural commodities Exported	561,997	1000 AED
Value of agricultural commodities Re- Exported	115,901	1000 AED

Introduction



The agricultural sector is regarded as one of the main productive sectors in the economy; it employs a considerable number of agricultural farm holders and their families, in addition to being the primary source of all food products and a key source of raw materials necessary for manufacturing, which increases the sector's contribution to the GDP.

As such, statistical information and data are regarded as the base of agricultural development plans. This requires accurate and credible statistical data that lead to right decisions and which can be adopted by decision-makers and plan developers to draw plans in all production, marketing, and consumption fields.

The significance of agriculture sector as supportive to food security increased the importance of statistics and modern methodologies of collecting and analyzing data; in addition to the numerous challenges the sector faces, which have increased over the past few years, in terms of water scarcity and soaring prices of agricultural commodities.

Plant statistics include data on the number of farms, agricultural areas, total cultivated lands, as well as the quantity and value of agricultural production. Animal statistics include the number of sheep, goats, cows, camels, and poultry. Fisheries statistics include data on the quantity and value of the fish caught in 2010.

The methodology utilizes descriptive analysis among agricultural indicators. The bulletin also depended on the available agricultural data from different government authorities concerned with the agricultural sector, spearheaded by the Abu Dhabi Food Control Authority.

Agricultural statistics are deemed to be an important component of providing the statistical data as the Emirate of Abu Dhabi agriculture sector; whereby it contributes to supporting scientific research in the agricultural sector, and assists policy and decision-makers to develop future agricultural plans.

1. Plants Production Statistics



1.1 Introduction

Statistics of plants production contribute to providing data on the changes affecting this sector from one season to another, reflects its contribution in the provision of food and provide an overall framework of food security, levels of surplus or shortage in plant products, which accordingly allow drawing plans on policies of foreign trade, in terms of export and import volumes, developing plans of agricultural patterns to reduce the shortage in certain field crops, and the surplus in others.

The agricultural policy aims at enhancing contribution of the agricultural sector to achieve economic development and raise the efficiency in utilizing available agricultural resources technically, economically, and environmentally to attain sustainable development. It also aims to raise the value of agricultural production, support agricultural industries, and increase their GDP contribution; as well as establish equality in development between the agricultural sector, and other economic sectors.

1.2 Agricultural holdings (farms)

Area of agricultural holdings amounted to 747679 donums in 2010, with an increase of 1.3% compared with 2009.

The number of holdings within the category of 20-39 donums was the majority of the total number of holdings in the area of Abu Dhabi by 79% and the average tenure area of each holding is 26 donums. Meanwhile, rest of the categories accounted for 21% of the total number of agricultural holdings in the area of Abu Dhabi.

56% of the agricultural holdings, which amounted to 2156, are located mainly in Al Rahba region, while 1681 agricultural holdings are located in Al Khatim region with 44% of the total number of agricultural holdings in the area of Abu Dhabi.

The number of agricultural holdings in Al Ain region within the category of 20-39 constitutes the majority of the total number of holdings with 89%, followed by the category of less than 20 donums with 5%, while the rest of the categories area represents 6% of the total number of agricultural holdings in Al Ain region.

The largest number of agricultural holdings in Al Ain region is located in Al Arad and Seih Herez regions with 2140 holdings, or 18% of the total number of holdings in Al Ain region.

In the Western Region, the largest number of agricultural holdings falls within the category of 20-29 with 40%, followed by the category of less than 20 donums with 30% of the total number of agricultural holdings in the western region, and class size 40-59 without a rate 29%. The category of more than 60 donum accounted for 1% of the total number of agricultural holdings in the Western Region.

The number of agricultural holdings in Al Tharwania region totaled 1923, or 22% of the total number of agricultural holdings in the Western Region, followed by Muzairaa region with 1624 or 19%, then Um Al Hassan 1269 or 15%.The rest of the agricultural holdings are divided among the rest of the Western Region with 3743 or 44%.

1.1 Number and Area of Agricultural Holdings (Farms) by Region in Emirate of Abu Dhabi 1986 - 2010

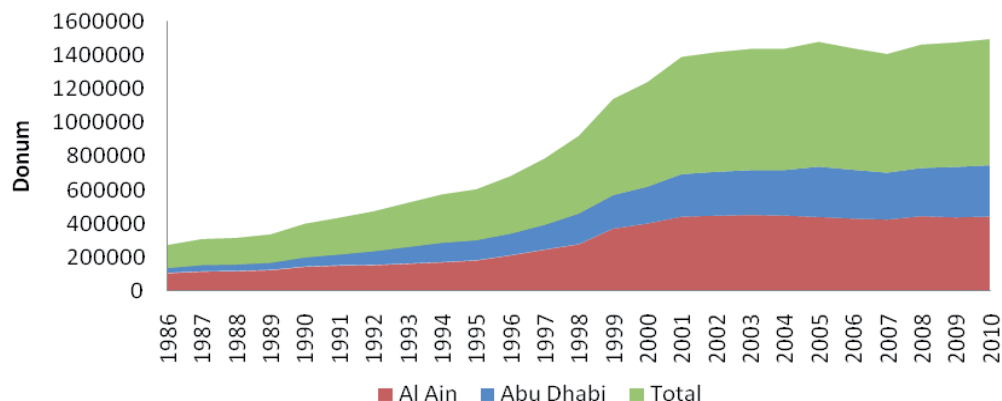
(Area in donums)

Year	Total		*Abu Dhabi		Al Ain	
	No of Farms	Total Area	No of Farms	Total Area	No of Farms	Total Area
1986	5,255	137,856	3,027	31,612	2,228	106,244
1987	5,808	155,058	3,520	39,378	2,280	115,680
1988	5,902	158,570	3,585	40,455	2,317	118,115
1989	4,585	168,984	2,197	44,947	2,388	124,037
1990	5,750	200,653	2,747	56,675	3,003	143,978
1991	6,432	218,292	3,219	67,222	3,213	151,070
1992	7,418	237,143	4,113	83,821	3,305	153,322
1993	8,352	262,466	4,976	100,466	3,376	161,999
1994	8,987	287,454	5,455	117,084	3,532	170,370
1995	9,501	302,600	5,718	121,438	3,783	181,162
1996	10,725	341,485	6,200	130,135	4,525	211,350
1997	12,272	393,759	6,762	148,442	5,510	245,317
1998	14,274	461,185	7,843	183,933	6,431	277,252
1999	17,665	570,212	8,487	200,356	9,178	369,856
2000	19,334	620,143	9,179	220,162	10,155	399,981
2001	21,858	694,966	10,551	253,935	11,307	441,031
2002	22,250	708,815	10,739	262,352	11,511	446,463
2003	22,795	718,644	11,192	267,922	11,603	450,722
2004	22,840	719,109	11,382	271,496	11,458	447,613
2005	23,704	739,686	12,175	300,866	11,529	438,820
2006	23,648	720,651	12,076	291,188	11,572	429,463
2007	23,198	703,748	11,497	280,665	11,701	423,083
2008	24,015	731,512	12,264	287,524	11,751	443,988
2009	24,097	737,957	12,315	301,301	11,782	436,656
2010	24,290	747,679	12,396	306,042	11,894	441,637

Source: Abu Dhabi Food Control Authority

*Data of Abu Dhabi Included Western Region

1.1 Historical Development In the Total Area of Agricultural Holdings in the Emirate of Abu Dhabi, 1986 - 2010



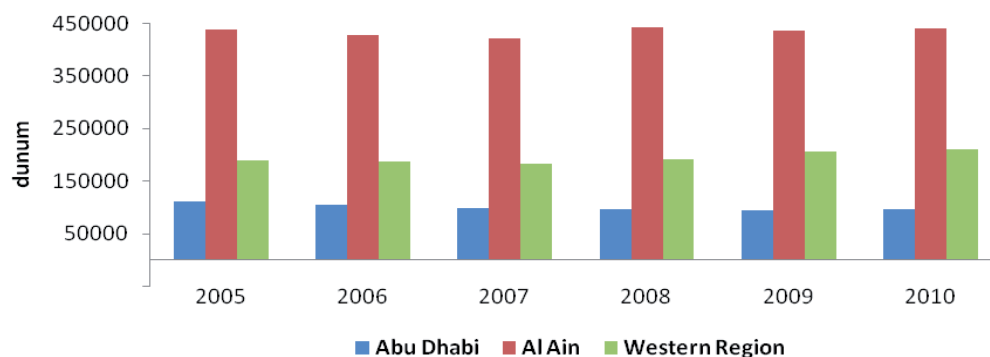
1.2 Number and Area of Agricultural Holdings (Farms) by Region In Emirate of Abu Dhabi 2005-2010

(Area in Donums)

Year	Total		Abu Dhabi		Al Ain		Western Region	
	No of Farms	Total Area	No of Farms	Total Area	No of Farms	Total Area	No of Farms	Total Area
2005	23,704	739,686	4,793	111,452	11,529	438,820	7,382	189,414
2006	23,648	720,651	4,556	103,815	11,572	429,463	7,520	187,373
2007	23,198	703,748	4,072	98,314	11,701	423,083	7,425	182,351
2008	24,015	731,512	3,854	97,045	11,751	443,988	8,410	190,479
2009	24,097	737,957	3,814	94,380	11,782	436,656	8,501	206,921
2010	24,290	747,679	3,837	95,483	11,894	441,637	8,559	210,559

Source: Abu Dhabi Food Control Authority

1.2 Area of Agricultural Holdings (Farms) by Region In Emirate of Abu Dhabi 2005-2010



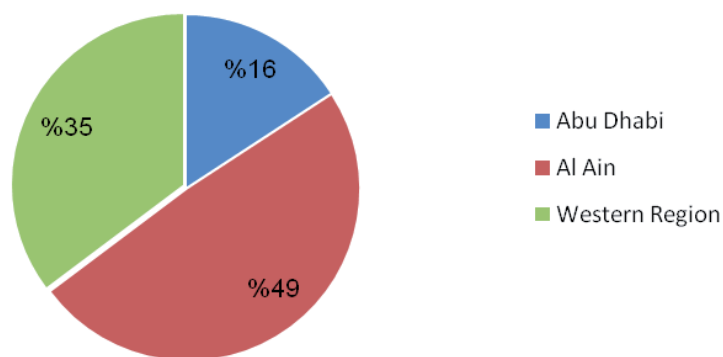
1.3 Number and Area of Agricultural Holdings (Farms) by Region In the Emirate of Abu Dhabi, 2010

(Area in Donums)

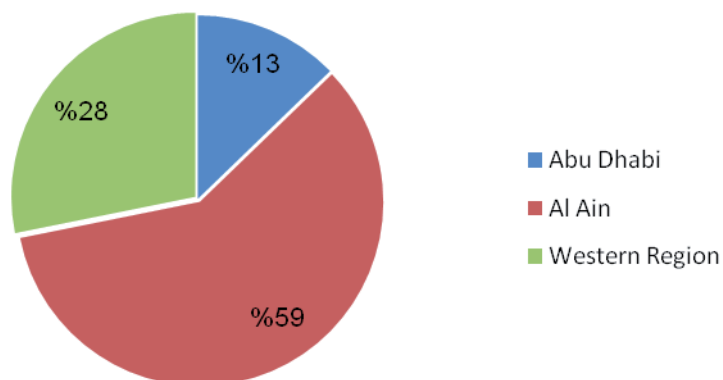
Region	No of Farms	Area of Farms
Abu Dhabi	3,837	95,483
Al Ain	11,894	441,637
Western Region	8,559	210,559
Total	24,290	747,679

Source: Abu Dhabi Food Control Authority

1.3 Percentage Distribution of Number of Agricultural Holdings (Farms) by Region In the Emirate of Abu Dhabi, 2010



1.4 Percentage Distribution of Area of Agricultural Holdings (Farms) by Region In the Emirate of Abu Dhabi, 2010



1.4 Number and Area of Agricultural Holdings (Farms) by Region In Abu Dhabi, 2010

(Area in Donums)

Region	No of Farms	Area of Farms
Al Rahba	2,156	58,183
Al Khatim	1,681	37,300
Total	3,837	95,483

Source: Abu Dhabi Food Control Authority

1.5 Number and Area of Agricultural Holdings (Farms) by Region In Al Ain, 2010

(Area in Donums)

Region	No of Farms	Area of Farms
Abu Kreyah	896	29,804
Al Arad	1,125	37,019
Al Damtha	229	13,064
Al Dhahra	782	25,806
Al Fagah	91	5,215
Al Hayer and Moheir	391	16,697
Al Khazna	793	23,468
Al Oya	632	21,929
Al Qattara	228	13,191
Al Saad	208	6,469
Al Salamat	568	19,098
Al Shewaib	58	6,074
Al Wagan	544	17,347
Al Yahar	69	2,471
Beda Fares	872	29,253
Gumodh	721	25,168
Masakin	121	10,565
Naahal	411	14,130
Remah and Abu Samraa	556	20,625
Seih Bin Ammar	253	24,077
Seih Herez and Al Ajban	1,015	33,869
Seraa	589	19,753
Sweihan	289	11,544
Um Ghafa	86	2,966
Wahat Al Sahra	367	12,035
Total	11,894	441,637

Source: Abu Dhabi Food Control Authority

1.6 Number and Area of Agricultural Holdings (Farms) by Region In Western Region, 2010

(Area in Donums)

Region	No of Farms	Area of Farms
Al Dhafra	132	2,614
Al Mirfaa	111	1,110
Al Silaa	116	1,776
Al Tharwaniya	1,923	43,958
Delma	102	1,012
Ghayathi	472	18,217
Hamim	870	18,992
Hassan	1,269	28,872
Madinat Zayed	536	15,238
Muzairaa	1,624	36,912
Seih Al Khair	524	21,006
Um Al Hassan	880	20,852
Total	8,559	210,559

Source: Abu Dhabi Food Control Authority

1.7 Number and Area of Farms by Area Category in Emirate of Abu Dhabi, 2010

(Area in Donums)

Region	Total		Less Than 20 Donum		20-39 Donum		40-59 Donum		60 Donum and Over	
	Area	Number	Area	Number	Area	Area	Number	Area	Number	Area
Abu Dhabi	3,837	95,483	722	9,721	3,028	79,475	68	3,007	19	3,280
Alan	11,894	441,637	547	8,723	10,651	347,487	342	16,069	354	69,358
Western Region	8,559	210,559	2,608	26,782	3,391	80,028	2,509	99,422	51	4,327
Total	24,290	747,679	3,877	45,226	17,070	506,990	2,919	118,498	424	76,965

Source: Abu Dhabi Food Control Authority

1.8 Number and Area of Farms by Area Category in Abu Dhabi, 2010

(Area in Donums)

Region	Total		Less Than 20 Donum		20-39 Donum		40-59 Donum		60 Donum and Over	
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area
Al Rahba	2,156	58,183	0	0	2,156	58,183	0	0	0	0
Al Khatim	1,681	37,300	722	9,721	872	21,292	68	3,007	19	3,280
Total	3,837	95,483	722	9,721	3,028	79,475	68	3,007	19	3,280

Source: Abu Dhabi Food Control Authority

1.9 Number and Area of Farms by Area Category in Al Ain, 2010

(Area in Donums)

Region	Total		Less Than 20 Donum		20-39 Donum		40-59 Donum		60 Donum and Over	
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area
Abu Kreyah	896	29,804	3	33	893	29,771	0	0	0	0
Al Arad	1,125	37,019	17	268	1,107	36,658	0	0	1	93
Al Damtha	229	13,064	0	0	203	6,426	5	262	21	6,376
Al Dhahra	782	25,806	0	0	782	25,806	0	0	0	0
Al Fagah	91	5,215	11	174	70	2,303	3	150	7	2,588
Al Hayer and Moheir	391	16,697	65	1,104	264	8,543	29	1,489	33	5,561
Al Khazna	793	23,468	143	2,305	584	18,163	62	2,608	4	392
Al Oya	632	21,929	5	82	624	20,582	1	58	2	1,207
Al Qattara	228	13,191	63	722	81	2,321	54	2,558	30	7,590
Al Saad	208	6,469	8	136	184	5,495	11	508	5	330
Al Salamat	568	19,098	0	0	543	16,968	13	665	12	1,465
Al Shewaib	58	6,074	40	560	9	277	0	0	9	5,237
Al Wagan	544	17,347	13	207	515	16,119	14	570	2	451
Al Yahar	69	2,471	7	66	39	1,239	20	965	3	201
Beda Fares	872	29,253	0	0	871	29,169	0	0	1	84
Gumodh	721	25,168	9	144	686	22,039	9	509	17	2,476
Masakin	121	10,565	37	1,170	37	1,230	8	418	39	7,747
Naahal	411	14,130	2	32	405	13,365	1	50	3	683
Remah and Abu Samraa	556	20,625	13	216	480	15,474	38	1,809	25	3,126
Seih Bin Ammar	253	24,077	52	572	53	1,498	32	1,551	116	20,456
Seih Herez and Al Ajban	1,015	33,869	8	134	1,007	33,735	0	0	0	0
Seraa	589	19,753	0	0	588	19,693	0	0	1	60
Sweihan	289	11,544	0	0	233	7,648	38	1,704	18	2,192
Um Ghafa	86	2,966	46	708	31	1,020	4	195	5	1,043
Wahat Al Sahara	367	12,035	5	90	362	11,945	0	0	0	0
Total	11,894	441,637	547	8,723	10,651	347,487	342	16,069	354	69,358

Source: Abu Dhabi Food Control Authority

1.10 Number and Area of Farms by Area Category in Western Region, 2010

(Area in Donums)

Region	Total		Less Than 20 Donum		20-39 Donum		40-59 Donum		60 Donum and Over	
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area
Al Dhafra	132	2,614	121	2,343	10	231	1	40	0	0
Al Mirfaa	111	1,110	111	1,110	0	0	0	0	0	0
Al Silaa	116	1,776	112	1,680	4	96	0	0	0	0
Al Tharwaniya	1,923	43,958	837	7,316	558	14,616	516	20,930	12	1,096
Delma	102	1,012	101	1,008	0	0	1	4	0	0
Ghayathi	472	18,217	21	248	10	277	440	17,612	1	80
Hamim	870	18,992	260	2,294	437	9,681	172	6,948	1	69
Hassan	1,269	28,872	136	1,303	976	22,002	152	5,217	5	350
Madinat Zayed	536	15,238	143	2,026	118	2,241	269	10,596	6	375
Muzairaa	1,624	36,912	619	5,135	590	14,723	403	16,211	12	843
Seih Al Khair	524	21,006	8	68	17	444	486	19,093	13	1,401
Um Al Hassan	880	20,852	139	2,251	671	15,717	69	2,771	1	113
Total	8,559	210,559	2,608	26,782	3,391	80,028	2,509	99,422	51	4,327

Source: Abu Dhabi Food Control Authority

1.11 Number and Area of Working Agricultural Holdings (Farms) by Region, 2009 - 2010

(Area in Donums)

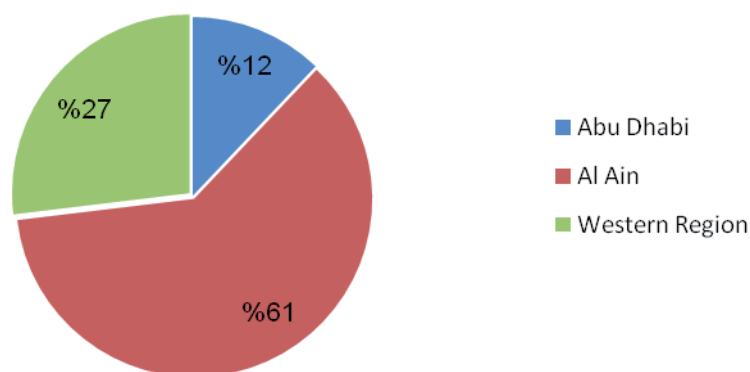
Region	Description	2009	2010
Abu Dhabi	Number	3,246	3,308
	Area	83,132	85,472
Al Ain	Number	11,782	11,519
	Area	436,656	430,879
Western Region	Number	7,290	7,458
	Area	184,638	189,990
Total	Number	22,318	22,285
	Area	704,426	706,341

Source: Abu Dhabi Food Control Authority

The area of operating agricultural holdings in the Emirate of Abu Dhabi equaled 706,341 in 2010, an increase of 0.3% compared to 2009.

Regarding the number of operating farms by regions, the largest number of operating agricultural holdings is concentrated in Al Ain region with 11,519 holdings or 52% of the total number of agricultural holdings operating in the Emirate of Abu Dhabi, followed by the Western Region with 7458 or 33%. Finally, Abu Dhabi region had 3308 holdings or 15% of the total number of operating agricultural holdings in the Emirate of Abu Dhabi.

1.5 Percentage Distribution of Area of Working Agricultural Holdings (Farms) by Region In the Emirate of Abu Dhabi, 2010



1.12 Number and Area of Working Agricultural Holdings (Farms) by Region in Abu Dhabi, 2010

(Area in Donums)

Region	Number	Area
Al Rahba	1,970	53,171
Al Khatim	1,338	32,301
Total	3,308	85,472

Source: Abu Dhabi Food Control Authority

1.13 Number and Area of Working Agricultural Holdings (Farms) by Region in Al Ain, 2010

(Area in Donums)

Region	Number	Area
Abu Kreyah	894	29,737
Al Arad	1,097	36,156
Al Damtha	224	12,821
Al Dhahra	772	25,476
Al Fagah	86	5,050
Al Hayer and Moheir	387	16,575
Al Khazna	764	22,716
Al Oya	621	21,583
Al Qattara	214	12,519
Al Saad	206	6,423
Al Salamat	531	17,980
Al Shewaib	53	5,080
Al Wagan	537	17,109
Al Yahar	68	2,440
Beda Fares	855	28,684
Gumodh	655	22,885
Masakin	121	10,565
Naahal	409	14,064
Remah and Abu Samraa	531	19,826
Seih Bin Ammar	249	23,981
Seih Herez and Al Ajban	991	33,065
Seraa	589	19,753
Sweihan	284	11,390
Um Ghafa	86	2,966
Wahat Al Sahara	367	12,035
Total	11,591	430,879

Source: Abu Dhabi Food Control Authority

1.14 Number and Area of Working Agricultural Holdings (Farms) by Region in Western Region, 2010

(Area in Donums)

Region	Number	Area
Al Dhafra	80	1,461
Al Mirfaa	95	950
Al Silaa	114	1,746
Al Tharwaniya	1,448	37,066
Delma	102	1,012
Ghayathi	450	17,458
Hamim	781	17,108
Hassan	1,187	27,091
Madinat Zayed	482	14,413
Muzairaa	1,482	33,655
Seih Al Khair	496	19,780
Um Al Hassan	741	18,250
Total	7,458	189,990

Source: Abu Dhabi Food Control Authority

1.3 Land Use

The number of agricultural holdings in the Emirate of Abu Dhabi totaled 24,290 with a total area of 747,679 donums, which is equivalent to approximately 1% of the total area of the Emirate of Abu Dhabi.

The results show that 38% of the total area of holdings plant in the Emirate of Abu Dhabi were cultivated with fruit trees and 31% of the total area of holdings plant were cultivated with field crops, while the area cultivated with vegetables equaled 2% of the total area of holdings plant, of which 1.6% were dedicated for exposed vegetable and 0.4% for protected vegetables.

It was noted that 12.4% of the total area of holdings plant has been left fallow to rest, meanwhile forest trees accounted for 3.4% of the total area of holdings plant in the Emirate of Abu Dhabi.

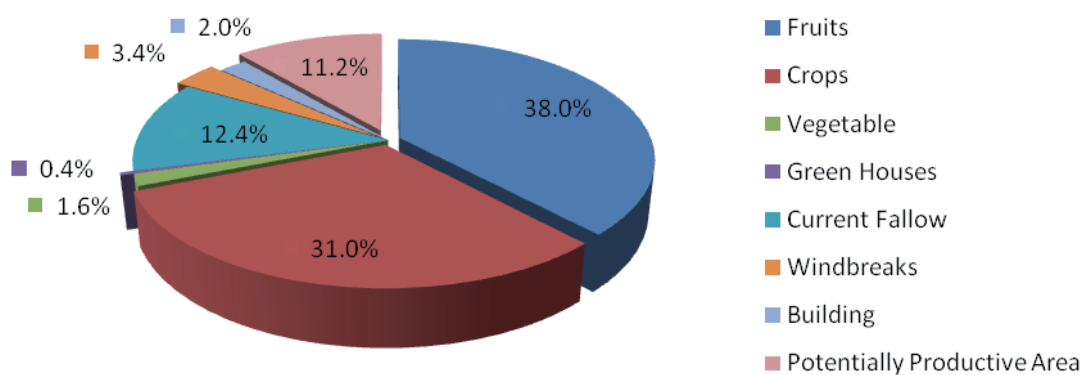
1.15 Area of Agricultural Holdings by Land Use and Region In the Emirate of Abu Dhabi, 2010

(Area in Donums)

Description	Total	Abu Dhabi	Al Ain	Region Western
Fruit Trees	283,976	26,447	180,220	77,309
Crops	231,919	33,708	134,734	63,477
Vegetable	11,910	4,483	3,687	3,740
Green Houses	2,825	113	1,632	1,080
Current Fallow	92,364	5,977	60,471	25,916
Windbreaks	25,479	7675	8720	9084
Buildings	15,293	4,026	6,897	4,370
Potentially Productive Area	83,913	13,054	45,276	25,583
Total	747,679	95,483	441,637	210,559

Source: Abu Dhabi Food Control Authority

1.6 Percentage Distribution of Agricultural Area In the Emirate of Abu Dhabi, 2010



1.4 Fruit Trees

The area cultivated with fruit trees in the Emirate of Abu Dhabi is estimated at 283,976 donums or 38% of the total area of agricultural holdings. The palm trees accounted for 99% of the total area of fruit trees, while the rest of the fruits constitute 1% of the total area of fruit trees in the Emirate of Abu Dhabi.

The majority is concentrated in Al Ain region with 63% of the total area of fruit trees, followed by the Western Region with 27% and Abu Dhabi with 10% of the total area of fruit trees in the Emirate of Abu Dhabi.

1.16 Cultivated Area and Number of Fruit Trees* by Type of Crop and Region in Emirate of Abu Dhabi, 2010

(Area in Donums)

Type	Total		Abu Dhabi		Al Ain		Western Region	
	Number	Area	Number	Area	Number	Area	Number	Area
Banana	1555	52	0	0	1555	52	0	0
Cider Fruit	10124	442	0	0	0	0	10124	442
Figs	14485	315	300	2	3929	129	10256	184
Grapes	1516	42	0	0	1516	42	0	0
Guava	5728	144	400	1	3105	103	2223	40
Almond	1139	40	0	0	1139	40	0	0
Lemon	33459	941	2000	75	19241	640	12218	226
Mango	11870	378	500	12	10431	347	939	19
Murus Alba	1950	65	0	0	1950	65	0	0
Olive	143	5	0	0	143	5	0	0
Orange	9176	275	250	6	7136	240	1790	29
Pomegranate	4989	118	300	8	2528	86	2161	24
Total	96134	2817	3750	104	52673	1749	39711	964

Source: Abu Dhabi Food Control Authority

*Except for Palm

1.17 Cultivated Area and Number of Fruit Trees* by Type of Crop and Region in Abu Dhabi, 2010

(Area in Donums)

Region	Total		Figs		Guava		Lemon		Mango		Orange		Pomegranate	
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area
Al Rahba	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Al Khatim	3750	104	300	2	400	1	2000	75	500	12	250	6	300	8
Total	3750	104	300	2	400	1	2000	75	500	12	250	6	300	8

Source: Abu Dhabi Food Control Authority

*Except for Palm

1.18 Cultivated Area and Number of Fruit Trees* by Type of Crop and Region in Al Ain, 2010

(Area in Donums)

Region	Total		Banana		Figs		Grapes		Guava		Almond	
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area
Abu Kreyah	171	7	0	0	7	0	12	1	29	1	0	0
Al Arad	2,194	74	0	0	50	2	0	0	0	0	0	0
Al Damtha	1,136	37	49	2	254	7	20	1	83	3	106	4
Al Fagah	477	16	0	0	178	6	0	0	37	1	0	0
Al Hayer and Moheir	3,700	122	56	2	48	1	110	3	690	23	13	1
Al Khazna	2,313	77	0	0	67	2	0	0	141	5	29	1
Al Oya	620	20	0	0	15	1	5	0	10	0	0	0
Al Qattara	4,001	129	279	9	369	13	140	3	133	4	0	0
Al Saad	214	8	0	0	0	0	0	0	0	0	25	1
Al Salamat	807	27	0	0	5	0	0	0	0	0	9	0
Al Shewaib	2,804	90	5	0	584	18	0	0	69	2	15	1
Al Wagan	87	4	20	1	5	0	0	0	4	0	0	0
Al Yahar	87	3	0	0	12	1	0	0	11	0	22	1
Beda Fares	158	5	0	0	20	1	0	0	7	0	60	2
Gumodh	2,704	90	64	2	55	2	40	1	169	6	72	3
Masakin	8,617	284	417	14	587	20	745	22	441	15	673	21
Naahal	1,255	41	0	0	75	2	0	0	50	2	20	1
Remah and Abu Samraa	565	19	0	0	36	1	3	0	47	2	0	0
Seih Bin Ammar	18,615	615	152	5	1,348	44	429	11	1,090	36	56	2
Seraa	451	15	0	0	60	2	0	0	73	2	39	2
Sweihaan	1,129	37	450	14	119	4	2	0	0	0	0	0
Um Ghafa	568	29	63	3	35	2	10	0	21	1	0	0
Total	52,673	1,749	1,555	52	3,929	129	1,516	42	3,105	103	1,139	40

Contd./...

Source: Abu Dhabi Food Control Authority

*Except for Palm

Contd./ 1.18 Cultivated Area and Number of Fruit Trees* by Type of Crop and Region in Al Ain, 2010

(Area in Donums)

Region	Lemon		Mango		Murus Alba		Olive		Orange		Pomegranate	
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area
Abu Kreyah	50	2	22	1	24	1	0	0	0	0	27	1
Al Arad	1,600	53	0	0	14	1	0	0	100	4	430	14
Al Damtha	265	9	75	2	43	1	132	4	90	3	19	1
Al Fagah	147	5	20	1	30	1	0	0	65	2	0	0
Al Hayer and Moheir	1,715	57	113	4	125	4	0	0	780	26	50	1
Al Khazna	1,197	40	485	16	38	1	0	0	291	10	65	2
Al Oya	250	8	35	1	0	0	0	0	75	2	230	8
Al Qattara	1,561	51	1,234	40	91	3	0	0	100	3	94	3
Al Saad	120	4	0	0	30	1	0	0	0	0	39	2
Al Salamat	484	16	202	7	18	1	0	0	84	3	5	0
Al Shewaib	864	29	522	15	76	3	0	0	600	20	69	2
Al Wagan	35	1	0	0	6	0	0	0	2	1	15	1
Al Yahar	35	1	0	0	0	0	0	0	0	0	7	0
Beda Fares	41	1	0	0	0	0	0	0	7	0	23	1
Gumodh	1,805	60	67	2	212	7	0	0	156	5	64	2
Masakin	2,036	68	1,049	35	808	26	0	0	1,311	44	550	19
Naahal	300	10	0	0	70	2	0	0	670	22	70	2
Remah and Abu Samraa	355	11	27	1	9	1	0	0	23	1	65	2
Seih Bin Ammar	5,980	199	6,142	205	329	10	0	0	2,610	87	479	16
Seraa	152	5	40	1	0	0	0	0	26	1	61	2
Sweihaan	120	4	270	9	7	1	0	0	80	2	81	3
Um Ghafa	129	6	128	7	20	1	11	1	66	4	85	4
Total	19,241	640	10,431	347	1,950	65	143	5	7,136	240	2,528	86

Source: Abu Dhabi Food Control Authority

*Except for Palm

Most of the fruit trees area is located mainly in Seih bin Ammar region with 35% of the total area of fruit trees in Al Ain region, followed by Masakin with 16%, meanwhile the remaining area is divided among the rest Al Ain.

1.19 Cultivated Area and Number of Fruit Trees* by Type of Crop and Region in Western Region, 2010

(Area in Donums)

Region	Total		Cider Fruit		Figs		Guava	
	Number	Area	Number	Area	Number	Area	Number	Area
Al Silaa	13	1	0	0	0	0	0	0
Al Tharwaniya	8,377	377	8,200	370	10	0	0	0
Delma	2,930	35	0	0	600	6	400	6
Ghayathi	264	2	0	0	87	1	7	0
Hamim	630	15	630	15	0	0	0	0
Hassan	1,310	21	0	0	350	7	45	1
Muzairaa	3,786	82	1,294	57	637	0	51	1
Seih Al Khair	22,160	427	0	0	8,570	170	1,710	32
Um Al Hassan	241	4	0	0	2	0	10	0
Total	39,711	964	10,124	442	10,256	184	2,223	40

Contd./...

Source: Abu Dhabi Food Control Authority

*Except for Palm

Contd./ 1.19 Cultivated Area and Number of Fruit Trees* by Type of Crop and Region in Western Region, 2010

(Area in Donums)

Region	Lemon		Mango		Orange		Pomegranate	
	Number	Area	Number	Area	Number	Area	Number	Area
Al Silaa	0	0	0	0	0	0	13	1
Al Tharwaniya	130	6	10	0	0	0	27	1
Delma	450	5	210	4	720	7	550	7
Ghayathi	80	1	0	0	40	0	50	0
Hamim	0	0	0	0	0	0	0	0
Hassan	600	5	60	2	225	4	30	2
Muzairaa	931	15	35	1	35	1	803	7
Seih Al Khair	9,850	192	610	11	770	17	650	5
Um Al Hassan	177	2	14	1	0	0	38	1
Total	12,218	226	939	19	1,790	29	2,161	24

Source: Abu Dhabi Food Control Authority

*Except for Palm

In the Western Region, most of the fruit trees area is located mainly in Seih Al Khair region with 44% of the total area of fruit trees in the Western Region, followed by Al Tharwaniya with 39%, while the rest of the area is divided among other regions of the Western Region.

1.20 Cultivated Area and Number of Palm Trees by Region in Emirate of Abu Dhabi, 2010

(Area in Donums)

Region	Total		Bearing Trees		Non Bearing Trees	
	Number	Area	Number	Area	Number	Area
Abu Dhabi	526,980	26,344	231,568	11,573	295,412	14,771
Al Ain	3,587,396	178,471	2,792,533	138,954	794,863	39,517
Western Region	2,034,777	76,345	1,494,837	57,474	539,940	18,871
Total	6,149,153	281,160	4,518,938	208,001	1,630,215	73,159

Source: Abu Dhabi Food Control Authority

The government gives agriculture in general and palm cultivation particularly great attention in order to develop palm cultivation through increasing number of trees, widen the cultivated area, increase production and improve the quality by optimizing use of natural resources and and encouraging investments in sector.

The number of palm trees in the Emirate of Abu Dhabi is estimated at 6,149,153 trees on a total area of 281.160 donums; fruit trees accounted for 73% of the total number of palm trees in the Emirate of Abu Dhabi

Palm trees constitute 99% of the total area of fruit trees in the Emirate of Abu Dhabi are mainly located in Al Ain with 63%, followed by the Western Region with 27% and Abu Dhabi region with 10% of the total area palm in the Emirate of Abu Dhabi.

1.21 Cultivated Area and Number of Palm Trees by Production and Region in Abu Dhabi, 2010

(Area in Donums)

Region	Total		Bearing Trees		Non Bearing Trees	
	Number	Area	Number	Area	Number	Area
Al Rahba	296,880	14,839	136,568	6,823	160,312	8,016
Al Khatim	230,100	11,505	95,000	4,750	135,100	6,755
Total	526,980	26,344	231,568	11,573	295,412	14,771

Source: Abu Dhabi Food Control Authority

Most of the palm trees area in Abu Dhabi region is concentrated in the agricultural holdings located in Al Rahba with 56% of the total area of the palm trees in Abu Dhabi region, followed by Al Kahtim region with 44% of the total palm trees area in Abu Dhabi region.

1.22 Cultivated Area and Number of Palm Trees by Production and Region in Al Ain, 2010

(Area in Donums)

Region	Total		Bearing Trees		Non Bearing Trees	
	Number	Area	Number	Area	Number	Area
Abu Kreyah	190,049	9,502	149,320	7,466	40,729	2,036
Al Arad	290,559	14,528	232,447	11,622	58,112	2,906
Al Damtha	94,917	4,746	71,016	3,551	23,901	1,195
Al Dhahra	182,785	9,140	136,794	6,840	45,991	2,300
Al Fagah	49,046	2,452	38,978	1,949	10,068	503
Al Hayer and Moheir	165,852	8,293	129,407	6,470	36,445	1,823
Al Khazna	159,518	7,976	120,000	6,000	39,518	1,976
Al Oya	197,757	9,887	148,571	7,428	49,186	2,459
Al Qattara	124,701	6,235	105,272	5,264	19,429	971
Al Saad	68,469	3,424	56,995	2,850	11,474	574
Al Salamat	152,129	7,606	124,244	6,212	27,885	1,394
Al Shewaib	38,438	1,921	30,406	1,520	8,032	401
Al Wagan	154,692	7,735	107,760	5,388	46,932	2,347
Al Yahar	27,675	1,384	24,475	1,224	3,200	160
Beda Fares	233,759	11,688	160,176	8,009	73,583	3,679
Gumodh	207,970	10,399	185,390	9,270	22,580	1,129
Masakin	94,421	4,811	80,258	4,103	14,163	708
Naahal	115,688	5,784	100,000	5,000	15,688	784
Remah and Abu Samraa	196,597	9,830	156,994	7,850	39,603	1,980
Seih Bin Ammar	268,820	13,441	245,620	12,281	23,200	1,160
Seih Herez and Al Ajban	169,332	8,466	107,734	5,386	61,598	3,080
Seraa	151,275	7,563	105,807	5,290	45,468	2,273
Sweihaan	118,758	5,937	80,794	4,039	37,964	1,898
Um Ghafa	35,583	1,779	17,968	898	17,615	881
Wahat Al Sahra	98,606	3,944	76,107	3,044	22,499	900
Total	3,587,396	178,471	2,792,533	138,954	794,863	39,517

Source: Abu Dhabi Food Control Authority

1.23 Cultivated Area and Number of Palm Trees by Production and Region in Western Region, 2010

(Area in Donums)

Region	Total		Bearing Trees		Non Bearing Trees	
	Number	Area	Number	Area	Number	Area
Al Dhafra	13,663	68	9,088	45	4,575	23
Al Mirfaa	7,035	145	5,964	122	1,071	23
Al Silaa	7,560	92	4,000	48	3,560	44
Al Tharwaniya	320,135	18,002	272,115	15,000	48,020	3,002
Delma	8,150	270	4,480	170	3,670	100
Ghayathi	138,800	1,665	97,350	1,168	41,450	497
Hamim	261,941	7,541	142,991	4,562	118,950	2,979
Hassan	273,682	9,039	241,992	7,985	31,690	1,054
Madinat Zayed	195,600	9,584	146,400	7,174	49,200	2,410
Muzairaa	435,174	15,650	305,670	10,988	129,504	4,662
Seih Al Khair	215,225	8,609	170,100	6,804	45,125	1,805
Um Al Hassan	157,812	5,680	94,687	3,408	63,125	2,272
Total	2,034,777	76,345	1,494,837	57,474	539,940	18,871

Source: Abu Dhabi Food Control Authority

1.24 Quantity and Value of Production of Fruit Trees by Type of Crop and Region in Emirate of Abu Dhabi, 2010

Crop	Quantity	Value
	(Tons)	(1000 AED)
Lemon	2.44	5.07
Grape Fruit	0.85	0.85
Grapes	0.19	0.56
Cider	0.09	0.18
Babay	0.33	0.67
Figs	1.10	3.29
Guava	0.58	1.75
Strawberry	0.14	1.00
Other	5.74	3.10
Total	11.45	16.46

Source: Abu Dhabi Food Control Authority

Dates industry is considered one of the new food industries; just few decades the Emirate wasn't producing dates in commercial quantities. It has made significant progress in the palm cultivation and dates production through cultivating large areas with palm seedlings, which fit with the natural conditions. Currently, the Emirate became one of the countries exporting dates, and its derivatives.

1.25 Quantity and Value of Dates Produced by Region in the Emirate of Abu Dhabi 2008 - 2010

Region	Description	2008	2009	2010
Total	Quantity (tons)	65,657	62,594	86,508
	Value (1000 AED)	389,317	428,532	506,746
Abu Dhabi	Quantity (tons)	2,675	2,632	6,258
	Value (1000 AED)	11,750	13,724	33,316
Al Ain	Quantity (tons)	39,358	35,329	53,113
	Value (1000 AED)	236,273	233,507	299,284
Western Region	Quantity (tons)	23,625	24,633	27,137
	Value (1000 AED)	141,294	181,301	174,146

Source: Al Foa Company

The date palm is characterized by early production and a good quality fruit, where the tree begins the production at the age of four years, and this violates the usual attic where tree begins the production at the age of 6 - 8 years.

The produced quantities of dates totaled 86,508 tons in 2010, with an increase of 38% compared to 2009. Classifying the quantity of produced dates by regions of the Emirate, it has been proven that Al Ain region produces 61.4% of the total quantity produced in 2010, followed by the Western Region with 31.4%, and finally the Abu Dhabi region with 7.2% of the total quantity of dates produced in 2010.

1.5 Field Crops

The area of agricultural holdings cultivated with field crops in the Emirate of Abu Dhabi equaled 231919 donums or 31% of the total agricultural holdings area in Abu Dhabi Emirate. Classifying the area cultivated with field crops by region, results show that the majority of the area is mainly located in Al Ain region with 58%, followed by the Western Region with 27% and Abu Dhabi region with 15%.

The field crops production is estimated at 2,046,733 tons, at the value of AED 3,121,807 thousand. Most of the production came from Al Ain region with 64.4%, followed by the Western Region with 22.2% and Abu Dhabi Region 13.4% of the total field crop production of the Emirate of Abu Dhabi.

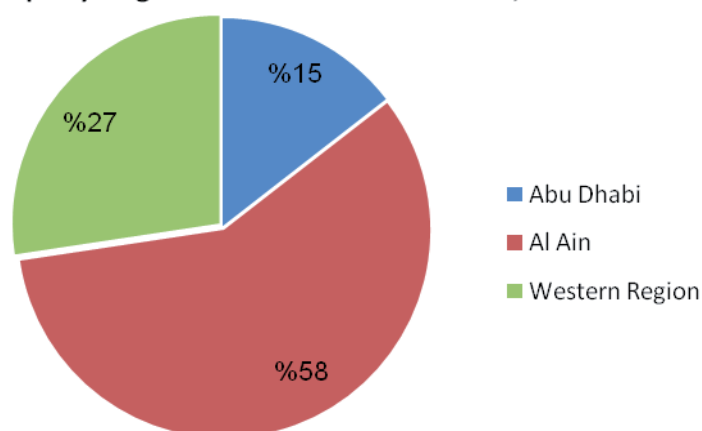
1.26 Cultivated Area of Field Crops by Type of Crop and Region in Emirate of Abu Dhabi, 2010

(Area in Donums)

Type	Total	Abu Dhabi	Al Ain	Western Region
Rhodes Green	224,845	33,708	127,870	63,267
Jet	7,074	0	6,864	210
Total	231,919	33,708	134,734	63,477

Source: Abu Dhabi Food Control Authority

1.7 Percentage Distribution of Cultivated Area of Field Crops by Region in Emirate of Abu Dhabi, 2010



1.27 Quantity and Value of Production of Field Crop by Type of Crop and Region in Emirate of Abu Dhabi, 2010

Quantity in Tons, Value in 1000 AED

Crop	Total		Abu Dhabi		Al Ain		Western Region	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Rudes	1,041,325	1,699,723	153,663	250,819	667,801	1,090,031	219,861	358,873
Jet	886,263	1,286,854	101,336	147,139	593,934	862,393	190,993	277,322
Others	119,145	135,230	18,700	21,225	57,795	65,597	42,650	48,408
Total	2,046,733	3,121,807	273,699	419,183	1,319,530	2,018,021	453,504	684,603

Source: Abu Dhabi Food Control Authority

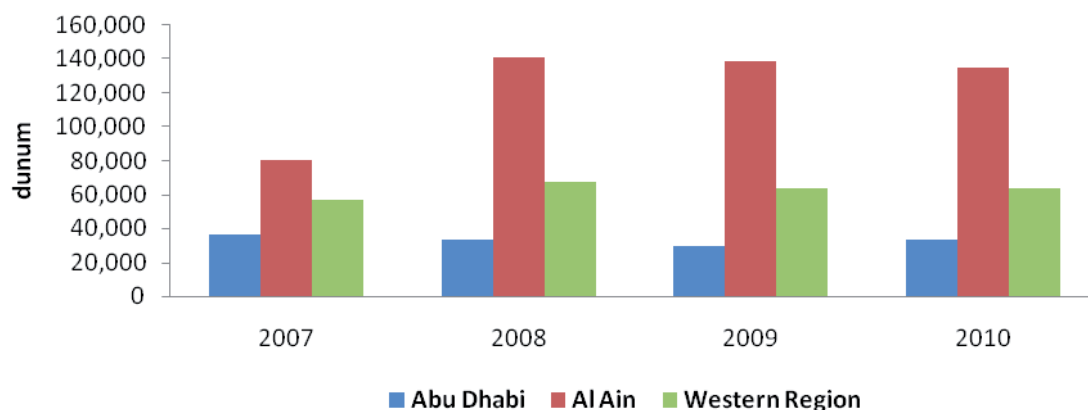
1.28 Cultivated Area of Field Crops by Type of Crop and Region in Emirate of Abu Dhabi, 2007-2010

(Area in Donums)

Year	Total	Abu Dhabi	Al Ain	Western Region
2007	174,178	36,726	80,471	56,981
2008	242,148	45,633	141,191	67,501
2009	232,141	29,470	139,046	63,625
2010	231,919	33,708	134,734	63,477

Source: Abu Dhabi Food Control Authority

1.8 Cultivated Area of Field Crops by Region in Emirate of Abu Dhabi, 2007-2010



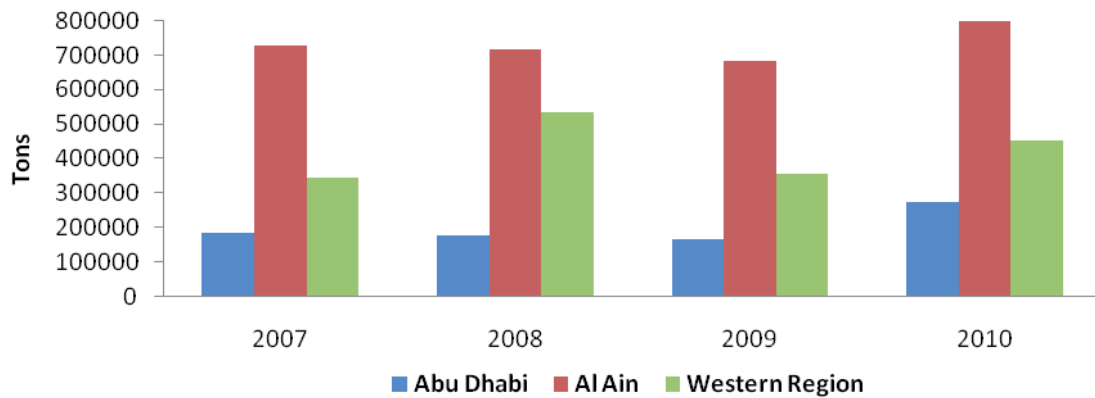
1.29 Quantity of Production of Field Crops by Region in Emirate of Abu Dhabi, 2005-2010

(Quantity in Tons)

Year	Total	Abu Dhabi	Al Ain	Western Region
2007	1,259,069	185,136	728,953	344,980
2008	1,429,438	178,663	716,451	534,324
2009	1,206,638	165,466	683,936	357,236
2010	2,046,733	273,699	1,319,530	453,504

Source: Abu Dhabi Food Control Authority

1.9 Quantity of Production of Field Crops by Region in Emirate of Abu Dhabi, 2007-2010



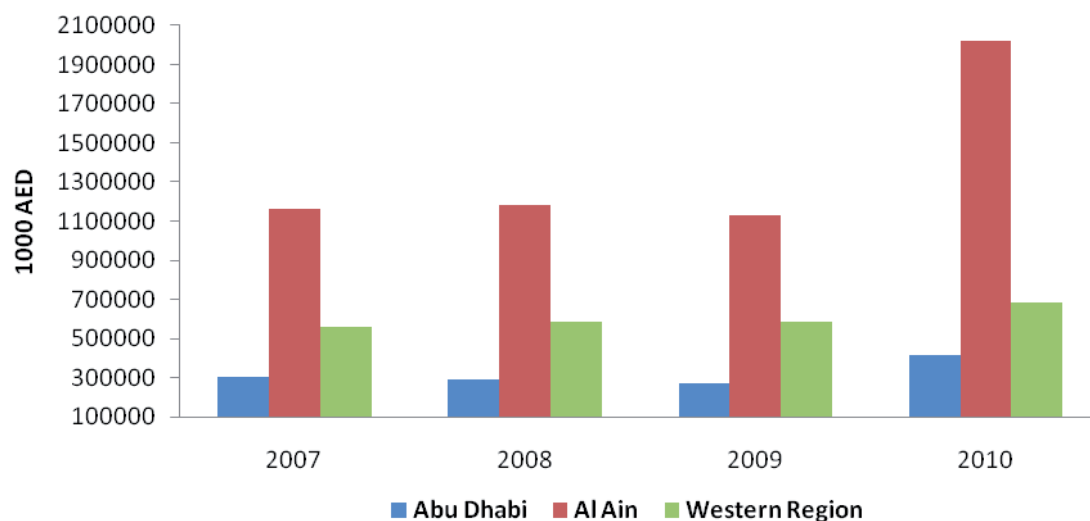
1.30 Value of Production of Field Crops by Region in Emirate of Abu Dhabi, 2007-2010

(Value in 1000 AED)

Year	Total	Abu Dhabi	Al Ain	Western Region
2007	2,026,664	301,762	1,162,603	562,299
2008	2,061,569	294,793	1,182,141	584,635
2009	1,990,953	273,019	1,128,495	589,439
2010	3,121,807	419,183	2,018,021	684,603

Source: Abu Dhabi Food Control Authority

1.10 Value of Production of Field Crops by Region in Emirate of Abu Dhabi, 2007-2010



1.6 Vegetables

In 2010, the amount of vegetables supplied to the agricultural distribution centers was approximately 13,616.7 tons of various crops, where the crop of tomatoes was accounted for 67% of the total quantities produced.

The area cultivated with vegetables stood at 11,910 donums, or 1.6% of the total area of agricultural holdings in the Emirate of Abu Dhabi.

Classifying the area cultivated with vegetables by region, results show that Abu Dhabi region is the largest area with 4483 donums or 38% of the total area cultivated with vegetables in the Emirate of Abu Dhabi, followed by the Western Region with 3,740 donums or 31%, and Al Ain region with 3,687 acres or 30% of the total area cultivated with exposed vegetables in the Emirate of Abu Dhabi.

1.31 Cultivated Area, Quantity of Production and Value of Vegetables by Type of Crop in The Emirate of Abu Dhabi, 2010

Type	Area (Donums)	Quantity (Tons)	Value (1000 AED)
Tomato	4,635	9,112.6	12,804.6
Beans	824	104.8	521.4
Beet	53	53.6	48.1
Cabbage	1,344	1,807.2	1,803.1
Cucumber	664	214.8	424.4
Carrot	28	4.8	6.3
Cauliflower	242	20.8	29.0
Mallow	32	14.5	14.5
Hot Pepper	104	4.9	14.3
Sweet Pepper	163	42.7	86.7
Egg Plant	274	32.0	29.2
Green beans	2	0.2	1.1
Marrow	1,069	87.1	157.1
Dry Onion	904	622.1	1,621.0
Corn	1,332	1,417.2	5,561.1
Sweet Melon	102	7.7	11.4
Turnip	5	3.5	4.2
Water Melon	34	54.4	70.5
Others	99	11.9	18.7
Total	11,910	13,616.7	23,226.6

Source: Abu Dhabi Food Control Authority

1.32 Cultivated Area, Quantity of Production and Value of Vegetables by Type of Crop in Abu Dhabi, 2010

Type	Area (Donums)	Quantity (Tons)	Value (1000 AED)
Tomato	2,104	2,779.5	4,485.9
Beans	141	0.5	2.5
Beet	0	0.3	0.3
Cabbage	239	322.6	322.6
Cucumber	50	109.0	217.9
Carrot	14	1.9	2.8
Cauliflower	156	1.6	2.2
Mallow	2	0.0	0.0
Hot Pepper	12	0.0	0.0
Sweet Pepper	17	0.2	0.5
Egg Plant	28	9.6	9.6
Green beans	0	0.0	0.0
Marrow	191	2.3	4.5
Dry Onion	243	288.4	826.9
Corn	1,234	925.8	3,598.6
Sweet Melon	40	7.3	11.0
Turnip	0	0.0	0.0
Water Melon	4	49.6	64.5
Others	8	2.9	3.8
Total	4,483	4,501.4	9,553.7

Source: Abu Dhabi Food Control Authority

1.33 Cultivated Area, Quantity of Production and Value of Vegetables by Type of Crop in AL Ain, 2010

Type	Area (Donums)	Quantity (Tons)	Value (1000 AED)
Tomato	1,378	4,602	6,015
Beans	302	38	186
Beet	53	53	48
Cabbage	264	200	196
Cucumber	462	33	62
Carrot	5	2	2
Cauliflower	30	18	25
Mallow	13	14	14
Hot Pepper	31	5	14
Sweet Pepper	39	28	49
Egg Plant	74	19	16
Green beans	2	0	1
Marrow	701	85	152
Dry Onion	256	134	302
Corn	29	1	2
Sweet Melon	12	0	0
Turnip	4	2	2
Water Melon	20	4	5
Others	12	7	12
Total	3,687	5,245	7,103

Source: Abu Dhabi Food Control Authority

1.34 Cultivated Area, Quantity of Production and Value of Vegetables by Type of Crop in Western Region, 2010

Type	Area (Donums)	Quantity (Tons)	Value (1000 AED)
Tomato	1,153	1,731.3	2,304.2
Beans	381	66.6	333.0
Beet	0	0.0	0.0
Cabbage	841	1,284.2	1,284.2
Cucumber	152	72.4	144.7
Carrot	9	1.2	1.8
Cauliflower	56	1.1	1.5
Mallow	17	0.5	0.5
Hot Pepper	61	0.0	0.0
Sweet Pepper	107	14.9	36.9
Egg Plant	172	3.7	3.7
Green beans	0	0.0	0.0
Marrow	177	0.3	0.5
Dry Onion	405	199.5	492.1
Corn	69	490.0	1,960.2
Sweet Melon	50	0.0	0.0
Turnip	1	1.5	1.8
Water Melon	10	1.1	1.4
Others	79	2.0	3.2
Total	3,740	3,870.2	6,569.8

Source: Abu Dhabi Food Control Authority

1.7 Area of Green House

Greenhouse agriculture “protected agriculture” aims at optimizing the cultivated area to the maximum extent possible in order to increase the production of the same unit as well as harvest early crop at non-traditional time of some vegetable crops that are difficult to cultivate in the exposed land exposed. This achieves major benefits, especially for export.

The farmer managed to divide plants according to their environmental needs into winter plants, which bear low degrees such as cabbage and cauliflower, and summer plants such as tomato, eggplants, cucumbers and water melons. This led the farmer to cultivate these varieties in the timing that suits its production.

The agriculture progress helps farmers recognizing the needs of these plants including the right temperature and humidity ... etc., thus providing an artificial climate to get a crop of summer vegetables at non-traditional time. This allows the farmer to replace the traditional agriculture methods with modern systems, which offer both winter and summer vegetables during the whole year.

In 2010, the number of greenhouses in the Emirate of Abu Dhabi equaled 8,363 with a total area of 2,825 donums, an increase of 11% compared to 2009. This means that there is a clear increase in the area of greenhouse agricultural in the Emirate of Abu Dhabi. Greenhouse area of land approximately constitutes 0.4% of the total area of agricultural holdings in the Emirate of Abu Dhabi.

Classifying the greenhouse area by regions, results show that most of greenhouse area is located in Al Ain region with 1,632 donums or 0.22% of the total area of agricultural holdings, followed by the Western Region with 0.14% and the Abu Dhabi region with 0.02% of the total area of agricultural holdings in the Emirate of Abu Dhabi.

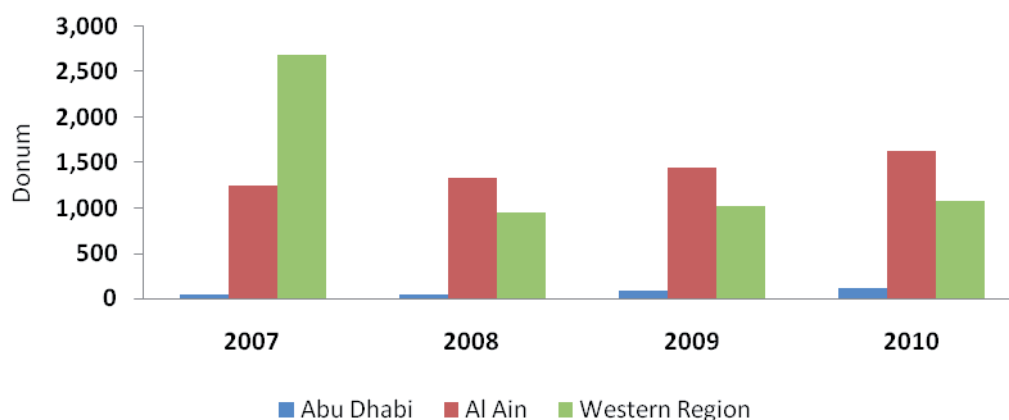
1.35 Number and Area Of Green House By Region, 2007 - 2010

(Area in Donums)

Region	Description	2007	2008	2009	2010
Total	Number	8,174	6,916	7,683	8,363
	Area	3,975	2,322	2,555	2,825
Abu Dhabi	Number	102	102	191	243
	Area	46	46	87	113
Al Ain	Number	3,216	3,948	4,313	4,852
	Area	1,246	1,328	1,443	1,632
Western Region	Number	4,856	2,866	3,179	3,268
	Area	2,683	948	1,025	1,080

Source: Abu Dhabi Food Control Authority

1.11 Area of Greenhouses Holdings by Region in the Emirate of Abu Dhabi, 2007- 2010



1.36 Number and Area Of Green House Productive by Region in Emirate of Abu Dhabi, 2010

(Area in Donums)

Region	Total		Working Green Houses		Non Working Green Houses	
	Number	Area	Number	Area	Number	Area
Abu Dhabi	243	113	160	80	83	33
Al Ain	4,852	1,632	1,699	586	3,153	1,046
Western Region	3,268	1,080	3,005	984	263	96
Total	8,363	2,825	4,864	1,650	3,499	1,175

Source: Abu Dhabi Food Control Authority

1.37 Number and Area Of Green House Productive by Region in Abu Dhabi, 2010

(Area in Donums)

Region	Total		Working Green Houses		Non Working Green Houses	
	Number	Area	Number	Area	Number	Area
Al Rahba	180	90	160	80	20	10
Al Khatim	63	23	0	0	63	23
Total	243	113	160	80	83	33

Source: Abu Dhabi Food Control Authority

1.38 Number and Area Of Green House Productive by Region in Al Ain, 2010

(Area in Donums)

Region	Total		Working Green Houses		Non Working Green Houses	
	Number	Area	Number	Area	Number	Area
Al Arad	66	20	0	0	66	20
Al Damtha	81	27	0	0	81	27
Al Dhahra	76	21	39	10	37	11
Al Fagah	150	50	39	13	111	37
Al Hayer and Moheir	1,070	356	150	45	920	311
Al Oya	30	8	30	8	0	0
Al Qattara	131	51	30	10	101	41
Al Saad	45	13	11	2	34	11
Al Salamat	77	18	31	9	46	9
Al Shewaib	155	51	53	18	102	33
Al Wagan	7	3	0	0	7	3
Beda Fares	239	73	88	27	151	46
Gumodh	914	297	319	100	595	197
Masakin	339	108	296	95	43	13
Naahal	311	160	183	116	128	44
Remah and Abu Samraa	392	121	184	48	208	73
Seih Bin Ammar	366	113	0	0	366	113
Seih Herez	106	34	98	31	8	3
Seraa	42	21	34	17	8	4
Sweihaan	184	59	104	33	80	26
Um Ghafa	71	28	10	4	61	24
Total	4,852	1,632	1,699	586	3,153	1,046

Source: Abu Dhabi Food Control Authority

1.39 Number and Area Of Green House Productive by Region in Western Region, 2010

(Area in Donums)

Region	Total		Working Green Houses		Non Working Green Houses	
	Number	Area	Number	Area	Number	Area
Al Tharwaniya	550	176	530	170	20	6
Delma	8	2	4	1	4	1
Hamim	172	82	86	43	86	39
Hassan	251	80	238	75	13	5
Madinat Zayed	3	0	0	0	3	0
Muzairaa	967	319	868	286	99	33
Seih Al Khair	1,285	411	1,247	399	38	12
Um Al Hassan	32	10	32	10	0	0
Total	3,268	1,080	3,005	984	263	96

Source: Abu Dhabi Food Control Authority

1.8 Forest Trees

The afforestation process in the Emirate of Abu Dhabi has made significant progress; during the last decades large areas had been afforested. This revitalized the environment of the desert and encouraged people to pay more attention to agriculture as a fundamental that affect the country's future and destiny in terms of deepening the link with land and achieving food security.

Forests are heavily spread in the Eastern Region surrounding Al Ain region, and in the Western Region up to the edge of the Empty Quarter. They also spread in Abu Dhabi city and its extensions in all directions, east, west and north.

These forests accommodate many wild animals, particularly various types of deer, such as the Arabian oryx, the goitred gazelle and the Indian spotted deer, as well as different types of birds such as ostriches and different kinds of wild rabbits.

The policy of the late Sheikh Zayed bin Sultan Al Nahyan had an influence in terms of paying attention to agriculture. He said once at the Earth Summit in Brazil in 1992 that 140 thousand donums had been planted in the Eastern Region, full of trees till the edge of the Empty Quarter, known as the place with the driest and the harshest climate in the world.

The area planted with forests amounted to 1,693,500 donums in the Emirate of Abu Dhabi and the estimated number of trees is 17,408,021 in 2010. It is noticeable that most of the forest area is located in Al Ain region with 35.2% of the total forest area, followed by Abu Dhabi region with 32.5%, and the Western Region with 32.3% of the total forest area in the Emirate of Abu Dhabi

1.40 Cultivated Area and Number of Forest Trees by Region in Emirate of Abu Dhabi, 2010

Area in Donum

Region	Number	Area
Abu Dhabi	8,028,311	550,700
Al Ain	4,395,135	596,370
Western Region	4,984,575	546,430
Total	17,408,021	1,693,500

Source: Environment Agency - Abu Dhabi

1.9 Public Parks

Cities and districts of the Emirate of Abu Dhabi are full with many gardens and parks scattered everywhere in the Emirate, in the past few years the Emirate of Abu Dhabi became full of gardens and parks that reflect the efforts behind this great achievement.

Abu Dhabi city is considered one of the cities, which comprises large number of parks, approximately 31 public parks, offering a total area of 1611 donums. Al Ain city has 36 parks with a total area of 3319 donums.

Pursuant to the directions of the late Sheikh Zayed bin Sultan Al Nahyan, many public parks had been established outside the city of Abu Dhabi, in the Western Region and the remote areas.

1.41 Cultivated Area of Public Parks and Date of Construction by the Name of Park and Location - Abu Dhabi, 2010

No	Name	Location	Area m ²	Date Building
1	Public Garden	Al Khalidea	67,532	1974
2	Park, DC	Khalifa Street	52,233	1976
3	Women and Children Park	Al Khalidea	47,172	1978
4	Airport Garden	Airport Road	10,000	1981
5	Almishref Women and Children Park	Al Meshref	14,000	1981
6	Al khatem Garden	Al khatem	50,700	1987
7	Al shahama Garden 3	Al Shahama	71,600	1991
8	Family Garden A	Corniche Abu Dhabi	115,797	1985
9	Formal Garden	Corniche Abu Dhabi	139,521	2005
10	Family Garden B	Corniche Abu Dhabi	70,075	2005
11	Recreational park	Corniche Abu Dhabi	40,000	2006
12	Al Bahia Garden	Al Bahia	37,572	2006
13	Al Rahba Garden	Al Rahba	41,578	2006
14	Khalifa Park	Mangrove Corniche	38,000	2007
15	Al Narjeel Garden	Baynona Street	54,849	1999
16	Hazza Mosque Garden	Club of tourism	14,040	1984
17	Post Neighborhood Garden	Club of tourism	76,110	-
18	Al Puhera Garden	Al Corniche	17,198	2005
19	Heritage Park	Al Corniche	92,387	2006
20	Al Madena Garden	Al Corniche	50,763	2005
21	Al Zefaraneh Garden	Al moror Street	9,000	1981
22	Club Officers Park	Al Khaleg Al Arabi Street	13,000	1993
23	Al Khaleg Al Arabi Garden	Al Khaleg Al Arabi Street	49,640	2005
24	Bani Yas Women and Children Park	Bani Yas	109,607	1991
25	Bani Yas Garden	Bani Yas	93,544	1991
26	Al Wathba Garden	Ai Wathba	23,500	2005
27	Ben Aljesreen Garden	Ben Aljesreen	18,315	2003
28	Airport Garden	Abu Dhabi Airport	85,160	1986
29	Al Shareaa Women and Children Park	Abu Dhabi	43,156	1995
30	Enter continantal	Al Corniche	35,910	-
31	Al Corniche Park	Al Corniche	29,060	-
Total Area of Parks			1,611,019	

Source: Department of Municipal Affairs - Abu Dhabi

1.42 Cultivated Area of Public Parks and Date of Construction by the Name of Park and Location - Al Ain, 2010

No	Name	Location	Area m ²	Date Building
1	Al motared Garden	Downtown	40,000	1969
2	Land Selebration Garden	Downtown	50,000	1971
3	Salimi Garden	Downtown	125,000	1973
4	Jahli Garden	Downtown	150,000	2008
5	Baladeah Garden	Downtown	130,000	1980
6	Alsalamat Garden	Within the city of Al Ain	80,000	1999
7	Sarooj Garden	Within the city of Al Ain	12,000	2005
8	Al mothef Garden	Within the city of Al Ain	80,000	1979
9	Basra Garden	Within the city of Al Ain	100,000	1980
10	Al mokam Garden	Within the city of Al Ain	53,000	1983
11	Falj Haza Garden	Within the city of Al Ain	31,000	1996
12	Ain Alqabedah Garden	Within the city of Al Ain	133,000	1979
13	Athar al hele Garged	Hili, Al Qattara	220,000	1980
14	Hili Fun Garden	Hili, Al Qattara	860,000	1989
15	Al foaa Garden	Hili, Al Qattara	105,000	2000
16	Al Ain Airport Garden	Al markhaniah	62,000	1996
17	Taweah Garden	Al markhaniah	100,000	1996
18	Garden Valley	Al markhaniah	75,000	2006
19	Green Mabzara Garden	Zakher	48,000	2004
20	Ain AL Qabedah Garden	Zakher	133,000	1979
21	Zakher Garden	Zakher	35,000	1995
22	Al Wagan Garden	Al Wagan	26,100	1980
23	Al Wagan Garden	Al Wagan	10,192	1978
24	Al Yahar Garden North	Al Yahar	70,000	1993
25	Al Yahar Garden South	Al Yahar	30,000	1998
26	Almregeb Garden	Almregeb	30,000	1980
27	Remah Garden	Remah	190,700	1970
28	Alkhazna Garden	Alkhazna	24,480	1979
29	Al Hayar Garden	Al Hayar	16,000	1980
30	Sewaihan Garden	Sewaihan	62,500	1980
31	Nahel Garden	Nahel	73,000	2005
32	Al Qoa Garden	Al Qoa	50,000	2000
33	Al Fagah Garden	Outside City of Al Ain	30,000	1995
34	Al Fagah Garden	Outside City of Al Ain	39,000	1995
35	Abu Samra Garden	Outside City of Al Ain	25,000	1998
36	Al Shewaib Garden	Outside City of Al Ain	20,000	1998
Total Area of Parks			3,318,972	

Source: Department of Municipal Affairs - Abu Dhabi

1.43 Cultivated Area of Public Parks and Date of Construction by the Name of Park and Location - Western Region, 2010

No	Name	Location	Area m ²	Date Building
1	Gardens Zayed City (7) Gardens	Madenat Zayed	290,000	
2	Public Garden	AL mrfa	80,000	2005
3	Children's Garden	Al Mrfa	12,715	1985
4	Public Garden	Ghayathe	41,231	1982
5	Park North	Ghayathe	14,796	2010
6	Park East	Ghayathe	13,228	2006
7	Abu Dhabi Commercial Bank	Ghayathe	12,228	2005
8	Al Sela Garden	Al Sela	140,000	1997
9	Dalma Garden	Dalma	31,000	1992
Total Area of Parks			635,198	

Source: Department of Municipal Affairs - Abu Dhabi

1.10 Irrigated Areas

The United Arab Emirates in general and the Emirate of Abu Dhabi in particular is considered one of the countries with limited water resources compared to the arable irrigated area, thus introducing advanced irrigation techniques will provide large amounts of water that helps in the horizontal expansion of the irrigated area. The irrigated area totaled 655,912 donums or 88% of the total area of agricultural holdings in the Emirate of Abu Dhabi.

Drip irrigation method is the most commonly used method with 551,562 donums or 84% of the total irrigated area in the Emirate of Abu Dhabi.

Most of the irrigated area is located in Al Ain region with 60%, followed by the Western Region with 28%, and Abu Dhabi region with 12% of the total irrigated area in the Emirate of Abu Dhabi.

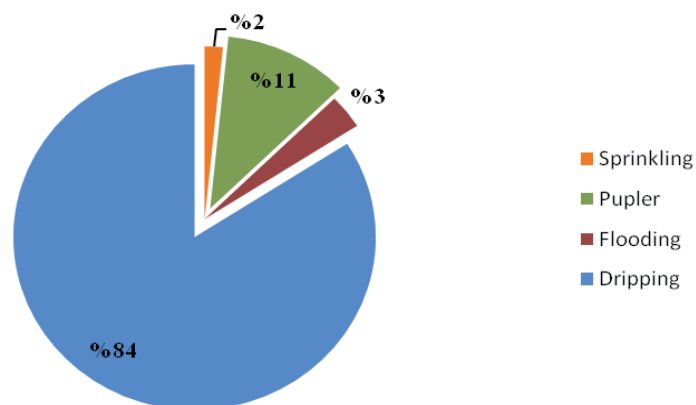
1.44 Irrigated areas by Type of Irrigation System and Region in Emirate of Abu Dhabi, 2010

(Area in Donums)

Region	Total	Irrigation System			
		Dripping	Flooding	Pupler	Sprinkling
Abu Dhabi	81,224	81,224	0	0	0
Al Ain	393,700	289,790	20,944	72,649	10,317
Western Region	180,988	180,548	40	160	240
Total	655,912	551,562	20,984	72,809	10,557

Source: Abu Dhabi Food Control Authority

1.12 Percentage Distribution of Irrigated areas by Type of Irrigation System in Emirate of Abu Dhabi, 2010



1.45 Irrigated areas by Type of Irrigation System by Region in Abu Dhabi, 2010

(Area in Donums)

Region	Total	Irrigation System			
		Dripping	Flooding	Pupler	Sprinkling
Al Rahba	50,528	50,528	0	0	0
Al Khatim	30,696	30,696	0	0	0
Total	81,224	81,224	0	0	0

Source: Abu Dhabi Food Control Authority

1.46 Irrigated areas According to Irrigation System by Region in Al Ain, 2010

(Area in Donums)

Region	Total	Irrigation System			
		Dripping	Flooding	Pupler	Sprinkling
Abu Kreyah	26,700	16,734	0	9,966	0
Al Arad	34,794	32,310	308	2,176	0
Al Damtha	6,208	5,090	540	378	200
Al Dhahra	24,253	15,068	0	9,149	36
Al Fagah	4,802	3,012	42	1,662	86
Al Hayer and Moheir	16,697	12,960	240	554	2,943
Al Khazna	16,507	13,467	2,880	0	160
Al Oya	21,262	19,565	1,097	0	600
Al Qattara	4,644	2,267	1,487	729	161
Al Saad	5,622	4,800	822	0	0
Al Salamat	16,992	8,540	0	8,452	0
Al Shewaib	3,207	362	20	2,120	705
Al Wagan	17,313	14,488	2,329	481	15
Al Yahar	2,395	1,556	359	438	42
Beda Fares	27,551	15,579	0	11,716	256
Gumodh	24,304	21,534	163	972	1,635
Masakin	6,829	3,091	1,370	1,678	690
Naahal	13,220	7,000	60	6,000	160
Remah and Abu Samraa	27,091	15,870	650	9,705	866
Seih Bin Ammar	14,360	6,172	6,038	814	1,336
Seih Herez and Al Ajban	35,778	31,744	0	3,968	66
Seraa	19,725	19,662	63	0	0
Sweihaan	10,437	7,571	1,696	810	360
Um Ghafa	1,460	579	0	881	0
Wahat Al Sahara	11,549	10,769	780	0	0
Total	393,700	289,790	20,944	72,649	10,317

Source: Abu Dhabi Food Control Authority

1.47 Irrigated areas by Type of Irrigation System by Region in Western Region, 2010

(Area in Donums)

Region	Total	Irrigation System			
		Dripping	Flooding	Pupler	Sprinkling
Al Dhafra	1,388	1,388	0	0	0
Al Mirfaa	903	903	0	0	0
Al Silaa	1,659	1,659	0	0	0
Al Tharwaniya	35,224	35,224	0	0	0
Delma	962	962	0	0	0
Ghayathi	16,590	16,590	0	0	0
Hamim	16,258	16,258	0	0	0
Hassan	25,745	25,745	0	0	0
Madinat Zayed	13,697	13,697	0	0	0
Muzairaa	31,982	31,982	0	0	0
Seih Al Khair	19,237	18,797	40	160	240
Um Al Hassan	17,343	17,343	0	0	0
Total	180,988	180,548	40	160	240

Source: Abu Dhabi Food Control Authority

1.11 Agriculture Producers Price Indices

The price index of agricultural producers fell to 1.2% in 2010 compared to 2009, (2005 = 100). Pepper, beans, carrots, marrow, and eggplant plus tomatoes were among the most important crops, which contributed to this decrease with 35%, 9%, 6%, 5.4%, 4.5% and 2.6% respectively.

The following crops experienced a remarkable rise in prices, such as lettuce, coriander, corn, sweet melons, mallow, green beans, 20%, 10%, 5.2%, 4.9%, 2.1%, 1.5%, respectively.

1.48 Agriculture Producers Price Indices for the Emirate of Abu Dhabi, 2007 - 2010

(2005 = 100)

Crop	2007	2008	2009	2010
All Products	102.0	95.2	104.8	103.5
Tomato	100.0	95.2	97.3	94.7
Pepper	113.9	74.8	115.3	74.8
Cucumber	99.7	101.8	100.9	100.2
Marrow	105.5	100.2	98.5	93.1
S. Cucumber	-	-	89.2	-
Watermelon	119.8	119.9	99.5	100.3
Sweet Melon	103.7	102.1	99.5	104.4
Onion	86.6	113.6	108.9	108.2
Cowpeas	-	100.9	110.0	100.0
Okra	110.0	-	-	-
Beans	100.3	100.6	100.3	100.5
Peas	99.5	101.2	100.9	100.5
Eggplant	100.4	97.7	101.0	96.5
Cauliflower	97.2	97.5	102.7	103.7
B.Bean	40.0	99.4	98.5	100.0
Cabbage	100.0	86.7	104.9	105.3
Lettuce	96.8	104.4	107.6	129.3
Spinach	100.0	82.4	100.0	-
J.Mallow	101.3	115.9	107.7	110.0
Coriander	100.1	105.1	94.9	104.4
Beets	101.5	93.6	89.8	89.7
Parsley	102.8	101.1	103.0	102.4
Potato	101.6	107.2	111.2	-
Corn	149.2	112.4	108.9	114.6
Turnip	96.1	97.2	100.0	100.0
Carrot	99.4	111.6	101.9	96.3
G Rocket	-	-	106.0	105.5

Source: Statistics Centre - Abu Dhabi

1.12 Wells

The total number of wells in the Emirate of Abu Dhabi equaled 69,643 wells, of which 71% are operating wells. Classifying the operating wells by region, results show that 65% of the operating wells are located in the Western Region, followed by Al Ain region with 30% and Abu Dhabi region with 5% of the total number of operating wells in the Emirate of Abu Dhabi.

1.49 Number of Wells, by region in Emirate of Abu Abu Dhabi,2010

Region	Total	working wells	non working wells
Abu Dhabi	3,600	2,420	1,180
Al Ain	19,340	15,015	4,325
Western Region	46,703	31,915	14,788
Total	69,643	49,350	20,293

Source: Abu Dhabi Food Control Authority

1.13 Loans Given to the Farmers

Agricultural loans play an important and essential role in developing the sector, increasing the production and sustaining agricultural projects through utilizing modern production means, employing labor and diversifying agricultural activities that support agricultural producers.

The loan has many forms such as machinery, agricultural equipment and drip irrigation system or in fertilizers and agricultural pesticides. The total value of loans granted to farmers in 2010 amounted to AED 26,718.8 thousand. Al Ain region had the largest percentage of the loans with 81% and Abu Dhabi region had 19%. It is worth mentioning that the farmer pays half of the loan granted to him.

Most of these loans were earmarked to purchase agricultural machinery and pumps with 73% of the total value of loans granted to farmers, 14% for the purchase of organic fertilizers and 13% for the rest of the other production requirements.

1.50 Value of Loans given to the Farmers by Region 2005 - 2010

Value: 1000 AED

Region	2005	2008	2009	2010
Abu Dhabi*	5,688.7	4,145.0	4,280.3	4,966.9
Al Ain	40,820.3	38,285.6	21,474.8	21,751.9
Total**	46,509.0	42,430.6	25,755.1	26,718.8

Source: Abu Dhabi Food Control Authority

* Abu Dhabi data Includes Western Region

** The Farmer pay only 50% of the value of the Loan

1.51 Value of Loans given to the Farmers by Type of Service and Region, 2010

Value: 1000 AED

Type	Total	Abu Dhabi	Al Ain	Western Region
Machines and Pumps	19,618.8	14.0	18,144.8	1,460.0
Plastic Boxes and Veg. Bags	3,309.9	49.4	2,699.1	561.4
Pipes Plastic	139.6	0.0	0.0	139.6
Org Fertilizers	3,648.9	277.2	908.0	2,463.6
Others	0.0	0.0	0.0	0.0
Barbed Wires	1.7	0.0	0.0	1.7
Total	26,718.8	340.6	21,752.0	4,626.3

Source: Abu Dhabi Food Control Authority

The Farmer pay only 50% of the value of the Loan

1.52 Number, Quantity and Value of Loans given to the Farmers by Type of Service in Abu Dhabi, 2010

Value: 1000 AED

Type	Units	Quantity	Value
Machines and Pumps	Number	1	14.0
Plastic Boxes and Veg. Bags	Number	2,647	49.4
Org Fertilizers	Tons	956	277.2
Total			340.6

Source: Abu Dhabi Food Control Authority

The Farmer pay only 50% of the value of the Loan

1.53 Number, Quantity and Value of Loans given to the Farmers by Type of Service in Al Ain, 2010

Value: 1000 AED

Type	Units	Quantity	Value
Machines and Pumps	Number	1,195	18,144.8
Plastic Boxes and Veg. Bags	Number	107,965	2,699.1
Org Fertilizers	Tons	1,792	908.0
Total			21,752.0

Source: Abu Dhabi Food Control Authority

The Farmer pay only 50% of the value of the Loan

1.54 Number, Quantity and Value of Loans given to the Farmers by Type of Service in Western Region, 2010

Value: 1000 AED

Type	Units	Quantity	Value
Machines and Pumps	Number	120	1,460.0
Plastic Boxes and Veg. Bags	Number	117,331	561.4
Pipes Plastic	Number	187,266	139.6
Org Fertilizers	Tons	2,862	2,463.6
Others	Number	302,522	1.8
Total			4,626.3

Source: Abu Dhabi Food Control Authority

The Farmer pay only 50% of the value of the Loan

1.14 Chemicals

Pesticides are widely used in the agricultural activity to combat various agricultural pests that are damaging crops, or reducing production. There are different types of agricultural pesticides, including pest pesticides, fungicides, spider's pesticides and other. Pesticides are deemed to be the most commonly used.

The problem of pesticides lies in the way they are used by the farmer, where any increase may damage the plant. Thus, agricultural extension has a vital role in educating farmers on how to use pesticides and how to apply the proper amounts to avoid any potential diseases that might affect the plant.

1.55 Quantity of Chemicals Used by Type and Region in Emirate of Abu Dhabi, 2010

Description	Units	Total	Abu Dhabi	Al Ain	Western Region
Insecticides	Liter	107,951	365	106,352	1,234
	Kilogram	2,391	40	2,065	286
Fungicides	Liter	6,258	0	6,116	142
	Kilogram	28,055	14	27,741	300
Acaroids	Liter	11,078	48	10,771	259
	Kilogram	1,459	0	1,453	6
Phostoxin	Number	11,273	106	9,222	1,945
	Kilogram	44,306	70	44,048	188
Pheromones	Number	154,453	10,315	70,908	73,230
Kairmone	Number	10,316	10,316	0	0
Others	Liter	190	0	190	0
	Kilogram	21	0	21	0

Source: Abu Dhabi Food Control Authority

2. Livestock Statistics



2.1 Introduction

The livestock sector is one of the key elements responsible for achieving development and integration in the Emirate of Abu Dhabi, it is deemed to be one of the most important sub-activities of the agriculture sector. Thus, providing data on the sector is very essential to prepare development plans and integrated programs that can be implemented in a scientific manner. This helps provide the basic food needs and meet the growing demand for livestock products due to population growth. Availability of information on livestock sector helps establish an economic and social structure that offers community members equal opportunity to develop their communities.

It is known that the march of human evolution began ascending since the adoption of grazing, and agriculture. While agriculture has captured most of the human interests, grazing remained concomitant to agriculture, securing the animal food for the society. Thus, large social groups were specialized in animal husbandry and grazing.

The Arab society was not moving away from this course, animal husbandry spread in the country side and rural areas, especially desert areas, which was and remains the basis of livestock including sheep, goats and camels. However, due to the economic and social development and the transition of agricultural production to the commodity form, in addition to other factors, animal husbandry declined in the countryside. As a result, many areas of the country side became a consumer of animal products.

This section includes detailed data on the numbers of livestock by type and region in the Emirate of Abu Dhabi. It also includes detailed data on the numbers of commercial farms and its area, capacity and production, in addition to data on the medical tests and follow-ups to maintain the health and safety of the livestock sector.

2.2 Structural Change in the Size of Livestock

Livestock is envisaged as a tributary to economic development in the Emirate of Abu Dhabi, hence it is a key source of income to rural and desert residents. As such, this sector received the attention of governments over the past few years by means of accredited policies, programs and plans, all of which yielded a steady growth in the number of livestock. The numbers of livestock rose from 2,078,608 goats, sheep, camels and cows in 2005 to 2,726,671 in 2009, at a rate of increase of 31.2%.

Livestock is distributed over the different parts of Abu Dhabi region with 2,305,603 sheep and goats; 42,992 cows; and 378,076 camels in 2009.

The overall number of livestock raised in Abu Dhabi region reached 570437 in 2009 at 21% of the aggregated number of livestock in the Emirate of Abu Dhabi.

This number is distributed in Abu Dhabi region as follows: 473,193 of sheep and goats at 83% of the overall number in the Abu Dhabi region, and 20% of the aggregated number in Emirate of Abu Dhabi. The number of cows reached 11,799 at 2% of the overall number in the Abu Dhabi region, and 27% of the total number of cows in the Emirate of Abu Dhabi. Lastly, camel number reached 85,445 at 15% of the overall number of camels in Abu Dhabi region, and 22% of the aggregated number of camels in the Emirate of Abu Dhabi.

In Al Ain region, the aggregated number of livestock amounted to 1,667,948 of camels, cows, sheep, and goats at 61% of the aggregated number of livestock in the Emirate of Abu Dhabi.

The number of sheep and goats in Al Ain region amounted to 1,443,121 at 87% of the aggregated number of livestock in Al Ain, and 62% of the aggregated number of sheep and goats in Al Ain region. The number of cows reached 22,000 at 1% of the aggregated number of livestock in Al Ain region, and 51% of the aggregated number of cows in the Emirate of Abu Dhabi. The number of camels reached 202,827 at 12% of the total number of livestock in Al Ain region, and 54% of the aggregated number of camels in the Emirate of Abu Dhabi.

In the Western Region, the overall number of livestock reached 488,286 at 18% of the aggregated number of livestock in the Emirate of Abu Dhabi.

The number of sheep and goats in the Western Region amounted to 389,289 at 80% of the overall number of livestock in the Western Region, and 17% of the aggregated number of sheep and goats in the Emirate of Abu Dhabi. The number of cows reached 9,193 at 2% of the overall livestock numbers in the Western Region, and 21% of the aggregated number of cows in the Emirate of Abu Dhabi. The number of camels in the Western Region reached 89,804 at 18% of the overall number of livestock in Abu Dhabi region, and 24% of the aggregated number of camels in the Emirate of Abu Dhabi in 2009.

Foreign trade figures indicate that national exports of livestock in 2010 amounted to AED 112.3 million, compared with AED 107.9 million in 2009.

The Emirate of Abu Dhabi livestock imports in 2010 amounted to AED 1891.8 million compared with AED 1784.29 million in 2009.

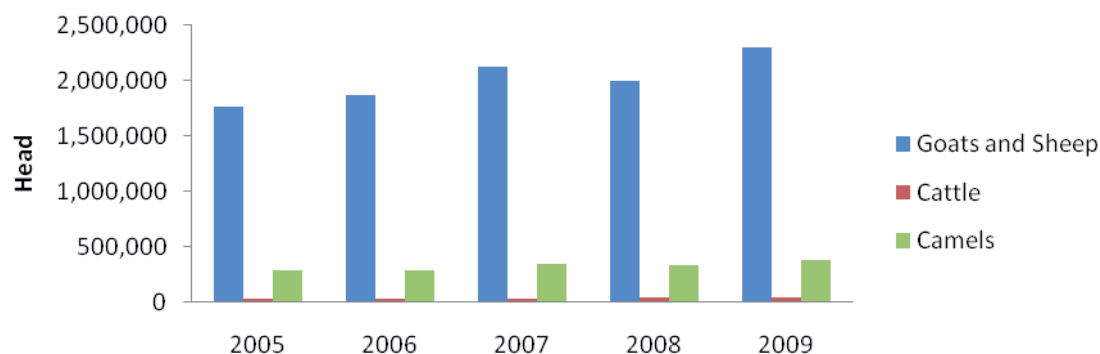
It can be said that the lack of integration between animal and plant production, contributes to the retreat of animal production, and increases the import of livestock in light of the limited fodder production as a result of water shortages due to the climate change that resulted in limited rainfall. Further, the shortcomings of the enacted policies to support the agricultural sector, and the cultural change pertinent to working in the agricultural sector and breeding livestock leads to a retreat in breeding livestock.

2.1 Number of Livestock by Type in Emirate of Abu Dhabi 2005 - 2009

Year	Number of Livestock			
	Total	Goats and Sheep	Cattle	Camels
2005	2,078,608	1,761,713	30,630	286,265
2006	2,215,552	1,876,054	33,430	306,068
2007	2,519,841	2,127,604	38,900	353,337
2008	2,377,777	1,998,280	42,596	336,901
2009	2,726,671	2,305,603	42,992	378,076

Source: Abu Dhabi Food Control Authority

2.1 Number of Livestock by Type in the Emirate of Abu Dhabi, 2005 - 2009



2.2 Number of Livestock by Type in Abu Dhabi, 2005 - 2009

Type	2005	2007	2008	2009
Goats and Sheep	253,145	456,783	464,155	473,193
Cattle	5,125	10,507	11,445	11,799
Camels	47,871	87,237	83,844	85,445
Total	306,141	554,527	559,444	570,437

Source: Abu Dhabi Food Control Authority

2.3 Number of Livestock by Type in Al Ain, 2005 - 2009

Type	2005	2007	2008	2009
Goats and Sheep	1,255,408	1,231,951	1,102,856	1,443,121
Cattle	15,800	19,442	21,240	22,000
Camels	158,119	167,727	156,625	202,827
Total	1,429,327	1,419,120	1,280,721	1,667,948

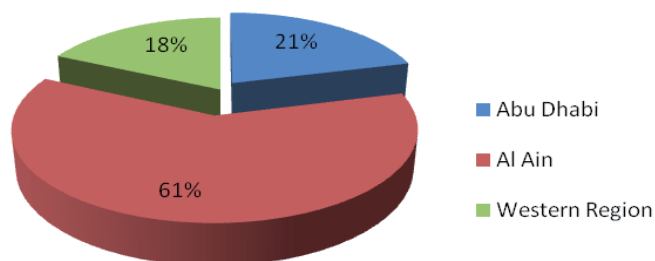
Source: Abu Dhabi Food Control Authority

2.4 Number of Livestock by Type in Western Region, 2005 - 2009

Type	2005	2007	2008	2009
Goats and Sheep	253,160	438,870	431,269	389,289
Cattle	9,705	8,951	9,911	9,193
Camels	80,275	98,373	96,432	89,804
Total	343,140	546,194	537,612	488,286

Source: Abu Dhabi Food Control Authority

2.2 Percentage Distribution of Number of Livestock by Region, 2009



2.3 Animal Production

The number of slaughtered animals in the Emirate of Abu Dhabi equaled 706 thousand head of various types of livestock. Goats constitute the largest percentage of the slaughtered animals with 58% of the total number of slaughtered livestock in 2010, followed by sheep with 37%, camels with 3% and finally cows with 2% of the total number of livestock that were slaughtered in 2010.

The produced quantity of red meat amounted to nearly 15 tons with an estimated total value of AED 473 thousand. Sheep and goats meet make up the majority of the produced meat in 2010 with 68% of the total quantity of red meat produced in 2010. Camel and cattle meat accounted for 32% of the total quantity of red meat produced in the Emirate of Abu Dhabi in 2010.

2.5 Number of Animals Slaughtered, and Quantities, Value Of meat Produced in Emirate of Abu Dhabi, 2010

Quantity in tons, Value 1000 AED

Type	Number	Quantity	Value
Sheep	263,390	4,302	143
Goats	408,393	5,635	188
Cattle	13,942	2,465	74
Camels	20,541	2,267	68
Total	706,266	14,668	473

Source: Abu Dhabi Food Control Authority

2.6 Number of Animals Slaughtered, and Quantities, Value Of meet Produced in Abu Dhabi, 2010

Quantity in tons, Value 1000 AED

Type	Number	Quantity	Value
Sheep	168,187	2,523	84,094
Goats	255,182	3,828	127,591
Cattle	5,350	1,070	32,100
Camels	5,954	893	26,793
Total	434,673	8,314	270,578

Source: Abu Dhabi Food Control Authority

2.7 Number of Animals Slaughtered, and Quantities, Value Of meet Produced in Al Ain, 2010

Quantity in tons, Value 1000 AED

Type	Number	Quantity	Value
Sheep	68,740	1,444	48,118
Goats	137,726	1,653	55,090
Cattle	8,453	1,380	41,389
Camels	12,033	1,033	30,978
Total	226,952	5,508	175,576

Source: Abu Dhabi Food Control Authority

2.8 Number of Animals Slaughtered, and Quantities, Value Of Meat Produced in Western Region, 2010

Quantity in tons, Value 1000 AED

Type	Number	Quantity	Value
Sheep	26,463	335	11,195
Goats	15,485	155	5,174
Cattle	139	15	455
Camels	2,554	341	10,353
Total	44,641	846	27,178

Source: Abu Dhabi Food Control Authority

2.9 Number and Value of Camels Supplied, Sold and Slaughtered in Emirate of Abu Dhabi, 2005 - 2010

(Quantity in Kg, Value in AED)

Item		2005	2008	2009	2010
Supplied Camels	Number	13,468	953	710	1,838
	Value	38,146,500	2,630,500	2,384,500	6,489,375
Sold Meat	Quantity	1,717,391	102,493	81,759	244,018
	Value	10,524,993	1,416,066	1,355,243	3,229,909
Sold Camels	Number	756	213	151	238
	Value	1,801,400	691,400	590,700	992,975

Source: Abu Dhabi Food Control Authority

2.4 Livestock Health Statistics

Health statistics of livestock aims to present data on the veterinary activity of livestock including cattle and poultry that have been treated and vaccinated with vaccines in 2010.

The number of livestock cases in the Emirate of Abu Dhabi totaled 1,894,002 cases, including 955,906 cases in the Western Region or 50% of the total number of cases in the Emirate of Abu Dhabi, followed Al Ain region with 696,149 cases or 37%, and Abu Dhabi region with 241,947 cases or 13% of the total number of cases in the Emirate of Abu Dhabi in 2010.

In 2010, number of the cases that were treated and vaccinated in the Emirate of Abu Dhabi amounted to 1,127,777 cases, of which 597,278 cases in Al Ain region, or 53%, followed by the Western Region with 530,499 cases, or 47% of the total number of livestock cases that had been vaccinated and treated in veterinary clinics in the Emirate of Abu Dhabi in 2010.

2.10 Number of Treated Animals by Type and Region In Emirate of Abu Dhabi, 2010

Region	Total	Sheep	Goats	Cattle	Camel	Others
Abu Dhabi	241,947	103,475	102,164	3,277	31,892	1,139
Al Ain	696,149	298,441	294,354	16,215	85,496	1,643
Western Region	955,906	543,673	338,537	3,401	67,265	3,030
Total	1,894,002	945,589	735,055	22,893	184,653	5,812

Source: Abu Dhabi Food Control Authority

2.11 Number of Treated Animals by Type and Region In Abu Dhabi, 2010

Region	Total	Sheep	Goats	Cattle	Camel	Others
Al Khatam	130,592	57,910	56,436	859	15,114	273
Al Samha	60,545	26,701	26,813	1,591	5,345	95
Al Wathba	50,810	18,864	18,915	827	11,433	771
Total	241,947	103,475	102,164	3,277	31,892	1,139

Source: Abu Dhabi Food Control Authority

2.12 Number of Treated Animals by Type and Region In Al Ain 2010

Region	Total	Sheep	Goats	Cattle	Camel	Others
Abou Samra	25,013	11,272	10,703	984	2,024	30
Al araad	8,363	3,273	3,811	384	895	0
Al faqaa	15,467	5,643	6,526	168	3,098	32
Al hair	10,295	5,597	3,862	271	565	0
Al khazna	30,528	14,377	13,650	639	1,676	186
Al nyadat	11,544	4,285	4,751	893	1,610	5
Al qaou	22,141	6,988	13,023	118	2,008	4
Al Qatara	287,708	130,285	120,164	8,344	28,152	763
Al shwaib	9,587	3,755	3,592	538	1,685	17
Al Wagan	39,888	17,276	18,083	391	4,138	0
Al Yahar	31,229	14,485	14,634	244	1,866	0
Malaqet	91,938	34,830	37,057	425	19,086	540
Masakan	26,651	10,326	10,172	76	6,074	3
Madinat zayed	9,613	3,064	3,797	690	2,025	37
Seeh Sabra	13,554	4,070	3,465	97	5,921	1
Swaihan	9,354	3,145	2,959	1,236	1,993	21
Zakher	53,276	25,770	24,105	717	2,680	4
Total	696,149	298,441	294,354	16,215	85,496	1,643

Source: Abu Dhabi Food Control Authority

2.13 Number of Treated Animals by Type and Region In Western Region, 2010

Region	Total	Sheep	Goats	Cattle	Camel	Others
Al Marfa	27,171	10,109	16,242	343	338	139
Al Sila	44,092	21,708	15,232	154	6,996	2
Delma	28,436	11,709	15,640	698	132	257
Gayathi	76,876	33,752	26,641	59	16,424	0
Khanoor	101,534	51,364	39,593	579	9,252	746
Madinat zayed	295,854	206,263	66,928	655	21,630	378
Muzaira	234,545	121,378	107,540	734	4,237	656
Tharwaniya	147,398	87,390	50,721	179	8,256	852
Total	955,906	543,673	338,537	3,401	67,265	3,030

Source: Abu Dhabi Food Control Authority

2.14 Number of Animals Treated at Veterinary Clinics by Region, 2007 - 2010

Region	2007	2008	2009	2010
Abu Dhabi*	1,365,804	1,166,816	1,132,559	530,499
Al Ain	1,458,250	1,935,475	1,582,054	597,278
Total	2,824,054	3,102,291	2,714,613	1,127,777

Source: Abu Dhabi Food Control Authority

* Includes Western Region

2.15 Number of Cases Treated and Vaccinated by Type of Animal and Region, 2010

Type	Total	Abu Dhabi	Al Ain	Western Region
Sheep	447,951	59,966	221,123	166,862
Goats	415,545	56,640	240,555	118,350
Cattle	20,365	2,663	15,790	1,912
Camels	115,906	22,359	67,927	25,620
Other	3,398	904	1,288	1,206
Total	1,003,165	142,532	546,683	313,950

Source: Abu Dhabi Food Control Authority

2.16 Number of Cases of Poultry Treated and Vaccinated by Type of Animal and Region, 2005-2010

Region	2005	2008	2009	2010
Abu Dhabi*	175,365	63,167	97,601	74,017
Al Ain	26,627	364,412	645,868	50,596
Total	201,992	427,579	743,469	124,613

Source: Abu Dhabi Food Control Authority

* Includes Western Region

3. Fish Production Statistics



3.1 Introduction

The Emirate of Abu Dhabi enjoys 500 km of coastlines, which are rich of fish and marine life. The territorial water of the Emirate contains over 200 islands of various sizes, variety of natures and historical and economic importance.

The amount of fish caught in 2010 equaled 6,333 tons, an increase of 6% compared to the quantity caught in 2009. The estimated value of production amounted to AED 124,4 million, an increase of 18.7% compared to 2009. These quantities were caught during more than 30,291 fishing trips; of which 82% were done by cruisers, while a motorboat fishing trips accounted for 18% of the total fishing trips in 2010.

The highest value of catch was for Scombridae with AED 45.9 million, or 36.9% of the total catch in 2009, followed by Serranidae at the value of AED 34.7 million or 27.9%, and Carangidae with AED 14 million, or 11.3% of the total catch in 2010.

The fisheries that had been used are traditional fisheries consisting of two types of small boats:

Cruisers: A small-sized vessel, with 6-8 meters length. The fishing trip using this type of boat last between 6-8 hours, and it requires 1-4 fishermen. Cruisers have contributed 59% of the total catch in 2010.

Lynches: are larger boats compared with cruisers with a length of 12-22 meters and are equipped for the storage and preservation of fish. The fishing trip last between 3-5 days and it requires 4-6 fishermen. Lynches accounted for 41% of the total catch in 2010.

The largest percentage of fish delivery was in the Free port with 2331 tons with 36.8% of the total catch, followed by Al Sader port with 1207 tons or 19.1%, and the port of Delma port with 17.3% of the total catch in the Emirate of Abu Dhabi in 2010. The ports of Al Marfa, Al Bateen, Al Saadiyat and Sila accounted for 13.9%, 5.5%, 3.6%, and 3.8%, respectively.

In terms of value of the deliveries, the Free port had the highest value with 44.3% of the total sales, followed by Al Sader port with 27.7%, and Delma island with 9.9% of the total value of fish caught in 2010. Al Marfa, Al Bateen, Al Saadiyat and Sila accounted for 6.9%, 6.3%, 2.9%, and 2%, respectively.

The largest amount of caught fish was in January, 2010, with 1386 tons or 21.9% of the total catch in 2010. The lowest amount came during the summer months starting from July till September, 2010. The reason is the movement of the fish to the deep water and the cold weather, which increase the difficulty of finding fish.

Data show that the traditional "Kerkor" cages had the largest amount of fish caught with 2,580 tons of fish or 40.7% of the total catch in 2010, followed by Al Haddak with 21.3% and Aldafarh with 21.2%. Albraism, Nassab, Hazra and Sakar accounted for 9.3%, 4%, 2.4%, 1.0%, respectively.

Results indicate that fishing using lynches focused mainly on three types of benthic fish, Serranidae with 32.6%, Haemulidae with 24.4%, and Lethrinidae with 23.1% of the total amount of fish caught using the lynches.

Meanwhile, fishing using cruisers focused on two types of fish, Scombridae with 43.6%, and Carangidae with 18.9% of the total quantity of fish caught using the cruisers.

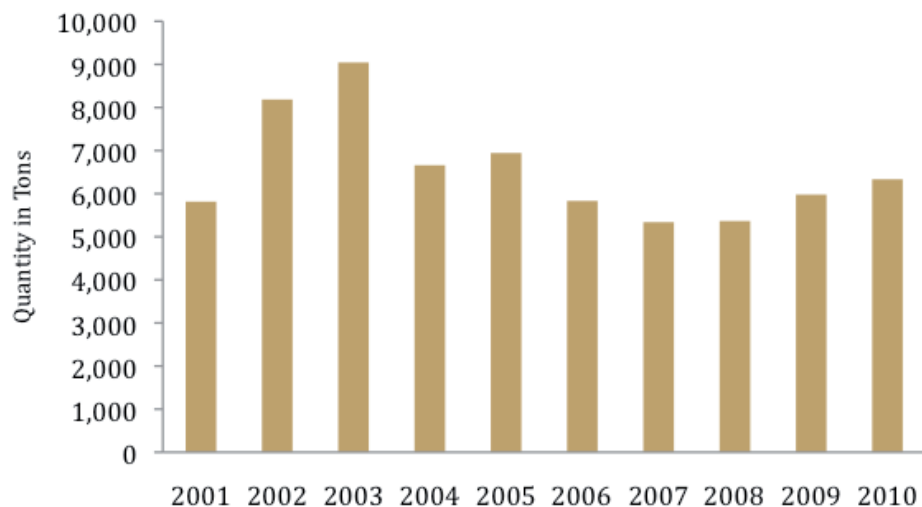
3.1 Quantity and Value of Fish Caught in Emirate of Abu Dhabi 2001 - 2010

(Quantity in Tons, Value in Million AED)

Year	Quantity	Value
2001	5,814	35.2
2002	8,184	47.5
2003	9,042	74.4
2004	6,658	48.9
2005	6,942	49.5
2006	5,831	60.7
2007	5,337	63.2
2008	5,363	74.6
2009	5,977	104.8
2010	6,333	124.4

Source: Environment Agency - Abu Dhabi

3.1 Quantity of Fish Caught in Emirate of Abu Dhabi 2001 - 2010



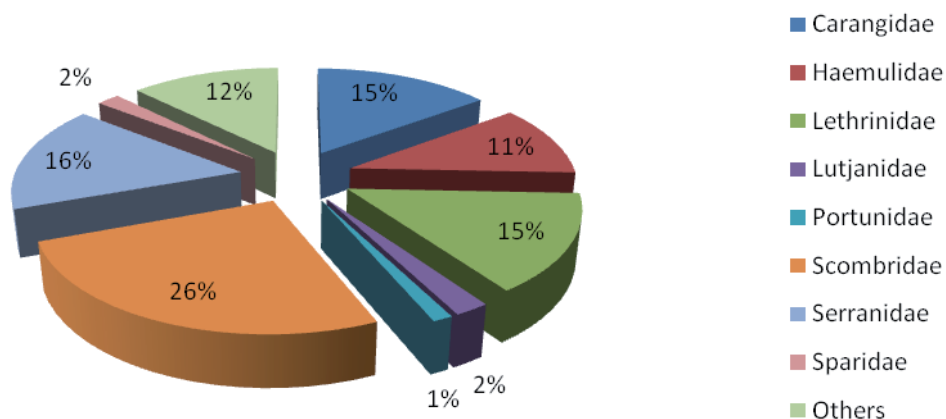
3.2 Quantity and Value of Fish Caught by Major Fish Families 2009 - 2010

(Quantity in Tons, Value in Million AED)

Fish Families	2009		2010	
	Quantity	Value	Quantity	Value
Carangidae	1,009	15.8	940	14.0
Haemulidae	727	3.9	684	4.0
Lethrinidae	1,111	15.6	927	13.7
Lutjanidae	275	2.1	133	1.9
Portunidae	133	1.5	76	1.2
Scombridae	954	26.3	1,636	45.9
Serranidae	940	29.2	1,022	34.7
Sparidae	162	1.7	121	1.6
Others	666	8.8	794	7.4
Total	5,977	104.8	6,333	124.4

Source: Environment Agency - Abu Dhabi

3.2 Percentage Distribution of Quantity of Fish Caught by Major Fish Families in Emirate of Abu Dhabi, 2010



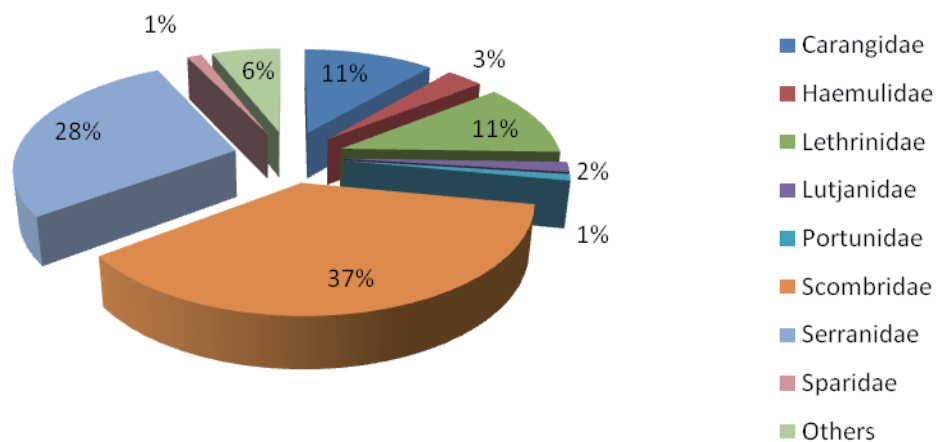
3.3 Quantity of fish caught by Month 2008 - 2010

Quantity in Tons

Month	2008	2009	2010
Jan	596	681	1,386
Feb	444	543	691
Mar	684	524	472
Apr	492	444	604
May	414	532	514
Jun	269	395	252
Jul	239	196	212
Aug	284	250	168
Sep	191	194	170
Oct	456	431	351
Nov	813	540	737
Dec	481	1,249	776
Total	5,363	5,979	6,333

Source: Environmental Agency - Abu Dhabi

3.3 Percentage Distribution of Value of Fish Caught by Major Fish Families in Emirate of Abu Dhabi, 2010



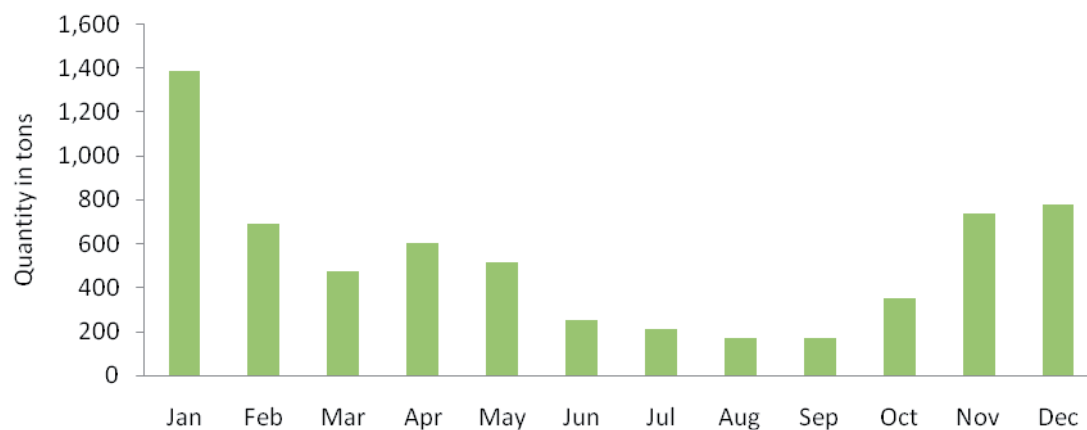
3.4 Quantity of Fish Caught by Main Families and Landing Site in Emirate of Abu Dhabi 2010

Quantity in tons

Fish	Total	Free Port	Al Sadar	Delma	Marfa	Al Bateen	Al Saadiyat	Sila
Carangidae	940	322	146	90	317	18	8	39
Haemulidae	684	276	1	319	1	34	6	47
Lethrinidae	927	587	76	196	53	1	0	14
Lutjanidae	133	26	0	0	7	50	50	0
Portunidae	76	58	0	2	5	8	3	0
Scombridae	1636	121	848	228	168	146	29	96
Serranidae	1022	704	26	195	68	3	1	25
Sparidae	121	85	1	5	2	12	16	0
Others	794	152	109	58	261	77	116	21
Total	6333	2331	1207	1093	882	349	229	242

Source: Environmental Agency - Abu Dhabi

3.4 Quantity of Fish Catch by Month, 2010



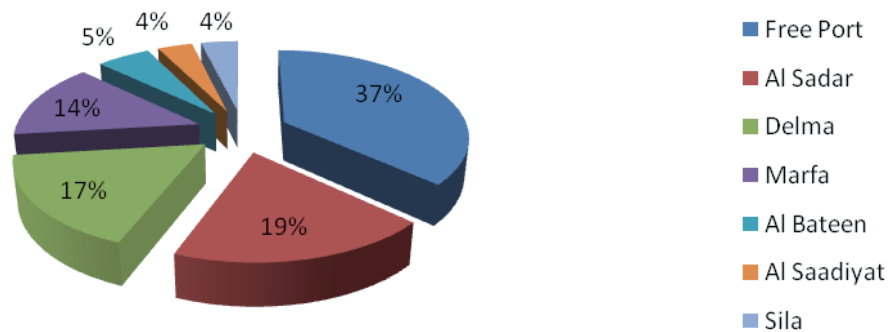
3.5 Value of Fish Caught by Main Families and Landing Site in Emirate of Abu Dhabi, 2010

Value in Million AED

Fish	Total	Free Port	Al Sadar	Delma	Marfa	Al Bateen	Al Saadiyat	Sila
Carangidae	14.025	7.420	2.298	1.003	2.595	0.217	0.116	0.376
Haemulidae	4.036	2.408	0.005	0.981	0.001	0.428	0.064	0.149
Lethrinidae	13.669	9.273	1.012	2.447	0.770	0.011	0.004	0.152
Lutjanidae	1.897	0.611	0.004	0.000	0.023	0.640	0.619	0.000
Portunidae	1.260	0.996	0.005	0.009	0.036	0.157	0.057	0.000
Scombridae	45.894	4.712	28.778	3.188	2.159	4.934	0.926	1.197
Serranidae	34.681	26.864	0.952	4.523	1.615	0.100	0.033	0.594
Sparidae	1.596	0.991	0.004	0.037	0.007	0.241	0.315	0.001
Others	7.380	1.880	1.377	0.116	1.381	1.165	1.420	0.041
Total	124.438	55.155	34.435	12.304	8.587	7.893	3.554	2.510

Source: Environmental Agency - Abu Dhabi

3.5 Percentage Distribution of Quantity of Fish Caught by Landing Site in Emirate of Abu Dhabi, 2010



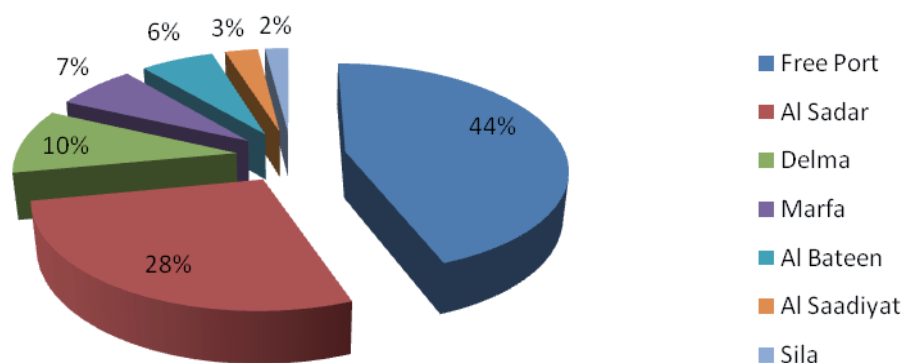
3.6 Quantity and Value of Carangidae Family Fish by Type, 2010

(Quantity in Tons, Value in Million AED)

Type	Quantity	Value
Alepes Vari	0.4	0.006
Atule mata	62.3	0.928
Carangoides bajad	171.9	2.560
Carangoides fulvoguttatus	54	0.804
Carangoides malabaricus	17.3	0.258
Caranx heberi	12.2	0.182
Caranx ignobilis	8.1	0.121
Gnathanodon speciosus	252.7	3.763
Megalaspis cordyla	0.1	0.001
Parastromateus niger	0.1	0.001
Scomberoides commersonianus	280.3	4.174
Scomberoides tol	76.8	1.144
Seriola dumerili	0.4	0.006
Seriolina nigrofasciata	3.6	0.054
Total	940.2	14.000

Source: Environmental Agency - Abu Dhabi

3.6 Percentage Distribution of Value of Fish Caught by Landing Site in Emirate of Abu Dhabi, 2010



3.7 Quantity and Value of Haemulidae Family Fish by Type, 2010

(Quantity in Tons, Value in Million AED)

Type	Quantity	Value
Diagrammapictum	590.8	3.455
Plectorhinchus gaterinus	15.2	0.089
Plectorhinchus sordidus	37.1	0.217
Pomadasys argenteus	39.2	0.229
Rhynchorhamphus georgii	1.6	0.009
Istiophorus platypterus	0.1	0.001
Total	684.0	4.000

Source: Environmental Agency - Abu Dhabi

3.8 Quantity and Value of Lethrinidae Family Fish by Type, 2010

(Quantity in Tons, Value in Million AED)

Type	Quantity	Value
Lethrinus borbonicus	97.7	1.444
Lethrinus lentjan	136.2	2.013
Lethrinus microdon	56.9	0.841
Lethrinus nebulosus	636.2	9.402
Total	927.0	13.700

Source: Environmental Agency - Abu Dhabi

3.9 Quantity and Value of Lutjanidae Family Fish by Type, 2010

(Quantity in Tons, Value in Million AED)

Type	Quantity	Value
Lutjanus argentimaculatus	0.5	0.007
Lutjanus ehrenbergii	106.1	1.515
Lutjanus fulviflamma	7.5	0.107
Lutjanus malabancus	18.5	0.264
Lutjanus russelli	0.2	0.003
Pinjalo pinjalo	0.3	0.004
Total	133.1	1.900

Source: Environmental Agency - Abu Dhabi

3.10 Quantity and Value of Portunidae Family Fish by Type, 2010

(Quantity in Tons, Value in Million AED)

Type	Quantity	Value
Charybdis natator	7.4	0.117
Portunus pelagicus	68.6	1.083
Total	76.0	1.200

Source: Environmental Agency - Abu Dhabi

3.11 Quantity and Value of Scombridae Family Fish by Type, 2010

(Quantity in Tons, Value in Million AED)

Type	Quantity	Value
Auxis thazard	0.0	0.0
Euthynnus affinis	0.8	0.022
Rastrelliger kanagurta	0.0	0.00
Scomberomorus commerson	1635.1	45.878
Total	1635.9	45.90

Source: Environmental Agency - Abu Dhabi

3.12 Quantity and Value of Serranidae Family Fish by Type, 2010

(Quantity in Tons, Value in Million AED)

Type	Quantity	Value
Cephalopholis hemistiktos	0.4	0.014
Epinephelus areolatus	0.9	0.031
Epinephelus coioides	1020.7	34.656
Total	1022.0	34.700

Source: Environmental Agency - Abu Dhabi

3.13 Quantity and Value of Sparidae Family Fish by Type, 2010

(Quantity in Tons, Value in Million AED)

Type	Quantity	Value
Acanthopagrus bifasciatus	34.1	0.451
Acanthopagrus latus	34.6	0.458
Argyrops spinifer	18.5	0.245
Rhabdosargus sarba	33.7	0.446
Sparidentex hasta	0.1	0.001
Total	121.0	1.600

Source: Environmental Agency - Abu Dhabi

3.14 Quantity and Value of Other Family Fish by Type, 2010

(Quantity in Tons, Value in Million AED)

Type	Quantity	Value
Anus thalassinus	32.0	0.298
Belonidas et al	14.0	0.130
Bothus panthennus	1.0	0.009
Carcharhinidae et al	173.0	1.612
Chanos chnos	35.0	0.326
Nematalosa nasus	0.0	0.000
Echeneis naucrates	0.6	0.006
Ephippidae et al	40.3	0.376
Gerres longirostris	160	1.491
Mixed species	3.3	0.031
Monodactylus argenteus	1	0.009
Valamugil seheli	53	0.494
Parupeneus margaritatus	0	0.000
Myliobatidea et al	0.7	0.007
Scolopsis taeniatus	12	0.112
Platycephalus indicus	0.1	0.001
Pomacanthus maculosus	8.1	0.075
Rachycentron canadum	70	0.652
Rhinobatidae et al	1.3	0.012
Scarus ghobban	2.9	0.027
Thenus orientalis	0.9	0.008
Sepia pharaonis	0.3	0.003
Siganus canaliculatus	17.2	0.160
Siganus javus	0.1	0.001
Sphyraena barracuda	10.5	0.098
Sphyraena jello	156	1.454
Arothron stellatus	0.7	0.007
Total	794.0	7.400

Source: Environmental Agency - Abu Dhabi

3.15 Quantity of Fish Caught by Type of Boat and Fishing Methods in the Emirate of Abu Dhabi, 2010

Quantity in tons

Fish	Total	Lansh		Tarad						
		Gargoor	Hadaq	Defara	Hadhra	Hadaq	Sakhar	Braisem	Leikh	Nesaab
Carangidae	940	230	0	373	7	275	3	42	0	10
Haemulidae	682	630	0	38	3	10	1	0	0	0
Lethrinidae	927	597	0	24	0	303	0	0	0	3
Lutjanidae	134	7	0	0	107	19	0	0	0	1
Portunidae	76	60	0	3	6	0	4	0	3	0
Scombridae	1637	1	0	537	0	427	0	529	0	143
Serranidae	1021	842	0	5	1	172	0	0	0	1
Sparidae	122	88	0	25	3	3	3	0	0	0
Others	794	125	0	339	24	138	52	20	0	96
Total	6333	2580	0	1344	151	1347	63	591	3	254

Source: Environmental Agency - Abu Dhabi

4. Foreign Trade in Statistics



1.1 Introduction

The Emirate of Abu Dhabi witnessed an active movement in the foreign trade of agricultural commodities, thanks to its geographical location and proximity to the East Asian countries as well as trade facilitation, trade laws and regulations that helped the development and growth of trade for both agricultural commodities and food products.

Foreign trade data on agricultural commodities show that 2010 had witnessed a 6.5% increase compared to 2009. Meanwhile, the quantity of imports in 2010 increased by 5% compared to 2009.

The value of exports rose from AED 447.5 million in 2009 to AED 561.9 million in 2010, a rise of 26%.

The value of re-exports of AED 91.691 million in 2009 to 115.9 million dirhams in 2010, an increase of 26%.

Data of the agricultural goods and food imports indicate that fertilizers imports have increased by 36% compared to 2009. In 2010, Imports of pesticides and rodents increased by 30%, while fats and oils imports increased by 22% compared with 2009. Imports of foodstuffs, beverages, spirits and tobacco increased by 12%, while live animals and their products increased by 6% in 2010 compared to 2009.

Vegetable products imports of plant accounted for 42% of the total imports in 2010, followed by live animals and their products with 28%, and foodstuffs, beverages, spirits and tobacco with 23.5% of the total imports of the agricultural goods and food in 2010.

The data show that exports of agricultural goods and food has increased by 59% in 2010 compared to 2009, meanwhile exports of fats and oils by 44% in 2010 compared to 2009. At the same time, exports of foodstuffs, beverages, spirits and tobacco increased by 26 % in 2010 compared to 2009.

The exports of foodstuffs, beverages, spirits and tobacco accounted for 32% of the total of exports of agricultural goods and food, followed by animals or vegetable fats, oils and waxes with 27% of the total and exports of live animals and their products with % of the total exports in the year 2010.

Data on agricultural re-exported goods indicate that vegetable products in 2010 has increased by 242% compared to 2009, while there is a decline in the other re-exported agricultural goods and food re-exported in 2010.

Re-exported vegetable product accounted for 56% of the total re-exported agricultural goods and, followed by foodstuffs, beverages, spirits and tobacco with 24.5%, and live animals and their products with 17.8% of the total re-exported agricultural goods and food in 2010.

The volume of foreign trade of agricultural commodities in the Emirate of Abu Dhabi rose during the period 2005 - 2010 with an average rate of 15%. This was due to the increase experienced by exports and imports.

The contribution of imports to the total foreign trade of agricultural commodities in the Emirate of Abu Dhabi accounted for 91%, meanwhile the contribution of exports to the foreign trade of agricultural commodities accounted for 7%, and the re-exports of agricultural goods and food have was 2% to the total foreign trade of goods agriculture in the Emirate of Abu Dhabi in 2010.

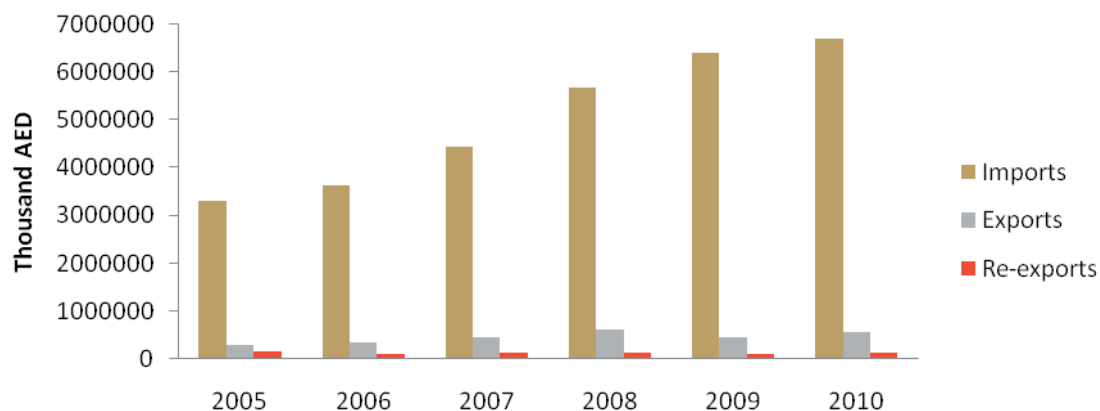
4.1 Value of Imported, Exported and RE-Exported of Agricultural Commodities in Emirate of Abu Dhabi 2005 - 2010

(Value: 000 AED)

Year	Imports	Exports	Re-Exports	Total
2005	3,317,479	293,298	163,206	3,773,983
2006	3,627,429	343,956	94,308	4,065,693
2007	4,432,513	448,799	130,883	5,012,195
2008	5,679,425	614,156	131,842	6,425,423
2009	6,395,953	447,497	91,691	6,935,141
2010	6,705,965	561,997	115,901	7,383,863

Source: Statistics Centre - Abu Dhabi

4.1 Value of Imported, Exported and Re-Exported of Agricultural Commodities in Emirate of Abu Dhabi 2005 - 2010



4.2 Value of Imports of Agricultural Goods and Food in Emirate of Abu Dhabi 2005 - 2010

(Value: 000 AED)

Description	2005	2008	2009	2010
Total	3,317,479	5,679,425	6,395,953	6,705,965
Live animals and their products	980,136	1,812,451	1,784,291	1,891,753
Vegetable products	1,257,529	2,043,674	2,869,276	2,816,459
Animals or vegetable fats, oils and waxes	182,638	480,983	268,108	328,253
Foodstuffs, beverages, spirits and tobacco	812,332	1,260,677	1,408,733	1,581,916
Fertilizers	61,320	54,408	38,648	52,728
Pesticides and rodents, fungi, weeds	23,524	27,231	26,898	34,857

Source: Statistics Centre - Abu Dhabi

4.3 Value of Exports of Agricultural Goods and Food in Emirate of Abu Dhabi 2005 - 2010

(Value: 000 AED)

Description	2005	2008	2009	2010
Total	293,298	614,156	447,497	561,997
Live animals and their products	48,647	97,841	107,913	112,270
Vegetable products	34,120	61,300	37,667	60,009
Animals or vegetable fats, oils and waxes	125,751	242,928	107,554	154,475
Foodstuffs, beverages, spirits and tobacco	47,761	132,307	143,326	181,108
Fertilizers	37,020	79,692	51,036	53,929
Pesticides and rodents, fungi, weeds	0	87	0	205

Source: Statistics Centre - Abu Dhabi

4.4 Value of Re- Exports of Agricultural Goods and Food in Emirate of Abu Dhabi 2005 - 2010

(Value: 000 AED)

Description	2005	2008	2009	2010
Total	163,206	131,842	91,691	115,901
Live animals and their products	37,679	40,855	32,854	20,673
Vegetable products	45,012	55,238	18,965	64,977
Animals or vegetable fats, oils and waxes	27,766	3,521	9,655	1,106
Foodstuffs, beverages, spirits and tobacco	50,855	31,853	29,004	28,416
Fertilizers	682	202	948	630
Pesticides and rodents, fungi, weeds	1,213	173	264	98

Source: Statistics Centre - Abu Dhabi

5. Annex



5.1 Definitions and Classifications

Agricultural Holding: an economic unit for agricultural production that is subject to a single administrative unit, and consists of all or part of the lands utilized for the purposes of agricultural production, regardless of ownership, legal form or area. The single unit may be under the control of an individual or a family, or may be shared by two persons or two families or more. It also may be under the control of a clan or a tribe, or may be subject to the control of a legal person such as a company or a cooperative society, or governmental agency. A holding may consist of one piece (partial holding) or more that is located in one or more of the separated areas of a regional or administrative jurisdiction, provided that all holdings share the same production methods utilized by the holding such as laborers, buildings, machines, or draft animals. Sharing the same production methods must be evident to an extent that justifies considering all land pieces an integral part of one economic unit. The economic units whose activities are confined to the hereunder economic activities may not be regarded as agricultural holdings; as such economic activities are located outside the agricultural framework:

1. Hunting, and breeding game.
2. Exploiting forests or wood cutting.
3. Fishing.
4. Agricultural services.

Part of Holding: it is a piece of land that is separated from other holding lands, whether it be land not under the control of the holding owner, or separated by a railroad, or a public road, or by forests, or anything similar.

Aggregated Holding Area: it is the overall area of all pieces of land comprising an agricultural holding. Any land that is owned by the holding owner or leased to others should not be accounted for in calculating the holding area. The aggregated holding area consists of the farmyard, and the area upon which a farm buildings are erected. Further, the dwelling of the holding owner is also calculated within the holding area, unless it is erected outside the holding parameters (i.e. in a residential area of a village or a close city), and not for residential purposes. The aggregated holding area should include the area cultivated with crops during the reference period, and the farmed area which is not cultivated yet. Deserted land should not be taken into account during the reference period. Holding owners should not also take into account their estimated share of land used as pastures. The aggregated holding area should be equal to the total land area used for different purposes.

Agricultural Land: it is the collective number of lands that cover most of the land uses, consisting of temporary farming land, land for permanent crops, permanent grazing land, fallow land, and other lands not specified elsewhere.

Land Not Suitable for Agriculture: it is part of the aggregated area of a holding that is not suitable for any farming due to a permanent or temporary obstacle, such as salinity, rocky terrain, and extreme slopes.

Livestock Owner: it is the person who has administrative authority on the operation of a livestock holding. It is also the person who takes the key decisions pertinent to the use of available resources, and is responsible for all technical and economic liabilities related to the holding. He may assume all responsibilities or share part of such responsibilities with others. Any person in possession of ten or more sheep or goats, or both; or owns one or more cows; or three or more camels; or five or more bee hives; or 30 or more hens; or a poultry farm; or a hatching facility may be considered a livestock owner.

Aggregated Animal Production: value of goods and services produced during a set period of time as a result of undertaking a productive activity, whether primary or secondary, consisting of produced goods and services for personal use.

Agricultural Prices: it is the exchange value of agricultural products that is expressed in the value of money (dirham/Kg). The used agricultural prices are the prices of agricultural products at central markets or the gate prices at farms.

Index: indices are defined as a tool to measure relative variation in the value of phenomena from time to time, or from one place to another. An index is a relative figure that is attainable through a variable percentage, or apparent value, or quantity during a period of time to the same variable or apparent value or quantity during another period of time. The first period is regarded as the base period, and the second is called the comparative period.

Agricultural Pesticides: any substance or mixture of substances that is used for the prevention, control, or eradication of pests that include transmitters of human or animal diseases, in addition to the undesired species of animals and plants. Pesticides may cause damages during production, or upon preparation, storage, transport, or marketing of food commodities or agricultural goods. Pesticides may be used in spraying agricultural animals to combat pests, spiders, and other types of pests that live on or in their bodies.

Animal Communicable Diseases: include the plague of ruminants, foot and mouth, bovine viral diarrhea, blood poisoning, Pleuropneumonia, smallpox, dermatitis.

Infectious Animal Diseases: include menstruation diseases, Inflammation of lymph nodes, Jones disease (equal to TB), Favus and fungal skin diseases, and Mastitis.

Parasitic Animal Diseases: include internal parasites and myiasis atef, external parasites, skin myiasis, tick paralysis, blood parasites, scabies, and Kuryat disease.

Internal Animal Diseases: include stomatitis, emphysema, indigestion, colic, inflammatory bowels, food diarrhea, bowel obstruction, inflammation of the larynx and trachea, bronchitis, Pneumonia, cystitis, ear inflammation, urine retention, conjunctiva and cornea inflammation, dehydration, dropsy, muscle inflammation, arthritis, skin sensitivity, skin inflammation, and anemia diseases.