

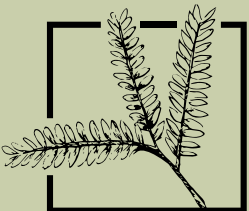


مركز الإحصاء  
STATISTICS CENTRE



Release Date: October 2019

# Agriculture Statistics 2018



عام التسامح  
YEAR OF TOLERANCE



الفوعة  
AL FOAH



هيئة البيئة - أبوظبي  
Environment Agency - ABU DHABI



دائرة التخطيط العمراني والبلديات  
DEPARTMENT OF URBAN PLANNING  
AND MUNICIPALITIES



هيئة أبوظبي للزراعة والسلامة الغذائية  
ABU DHABI AGRICULTURE AND FOOD  
SAFETY AUTHORITY

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## Summary of agricultural indicators

The bulletin consists of a number of statistical tables that include detailed statistical data on the agricultural sector for 2018. The hereunder are key indicators:

### Plant production statistics 2018

Indicator	Unit	Value of indicator
Area of agricultural holdings	Donum	749,868
Number of agricultural holdings	Number	24,018
Area of working agricultural holdings	Donum	700,939
Number of working agricultural holdings	Number	21,976
Crop area with fruit trees	Donum	272,322
Crop area with field crops	Donum	43,514
Crop area with vegetables (opened field)	Donum	14,234
Crop area with vegetables (under protective cover)	Donum	5,725
Number of working wells	Number	41,341
Total value of loans paid to farmers	1000 AED	191

### Foreign trade of agricultural commodities 2018

Indicator	Unit	Value of indicator
Value of agricultural commodities imported	1000 AED	7,709,138
Value of agricultural commodities exported	1000 AED	7,491,182
Value of agricultural commodities re-exported	1000 AED	3,416,999

## Introduction

Economic development relies on the entire economic activities, including the agricultural activity, which is deemed to be a cornerstone for achieving the objectives of the overall development. The agricultural sector is one of the productive sectors contributing to the GDP, in addition to being the main source supplier of food commodities and raw materials required for many of the food industry in the Emirate of Abu Dhabi. Thus agriculture activity was the first pillar of development, established by the late Sheikh Zayed bin Sultan Al Nahyan - may God rest his soul - and it still enjoys a continuous encouragement of H.H. Sheikh Khalifa Bin Zayed Al Nahyan – President of the UAE; in addition to the 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.

Based on the significance of the agriculture activity and taking into consideration the requirements of the future, it was essential to build an agricultural database using reliable numbers and statistics as it is not possible to achieve further growth without development plans and programs that have specific goals and strategies. Those various plans can't be implemented by any country without accurate, realistic and expressive statistical data. Therefore, statistical data and information are deemed to be base on which plans are built to develop the agricultural sector. This requires accurate and reliable statistical data that helps decision makers and policy planner to make sound decisions based on a proper scientific planning in all areas, including production, marketing and consumption.

The annual bulletin includes quantitative and qualitative statistical data on the plant production, allowing researchers and students to benefit from the data while planning - by using the past as the foundation- for development and drawing future goals and strategies. The bulletin includes data on the numbers of agricultural plant holdings “farms”, size of agricultural land, indicators of crop area and quantities of agricultural production and value.

The methodology of the bulletin adopted the descriptive analysis of agricultural indicators. The bulletin relied on the agricultural data available in various government and private sources involved in the agricultural sector, especially the Abu Dhabi Agriculture and Food Safety Authority.

Agricultural statistics is an important source that contributes to the support of the agricultural sector and to help policy and decision-makers to develop future agricultural plans.



# 1. Plant Production Statistics

Plant production statistics create an overall image of food security showing 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.

The number of plant holdings in the emirate of Abu Dhabi amounted to 24,018 holdings in 2018, with a total area of 749,868 donums, forming about 1% of the total area of the emirate of Abu Dhabi. The average area of each holding was 31 donums approximately.

Fruit trees occupy the largest proportion or 36.3% of the total plant holdings area. Palm trees are the most important type of fruit trees due to the conditions in the Emirate. The amount of dates produced in 2018 was 245,027 tons, increased by 1.1% compared with 2017.

Crops occupy 5.8% of the total plant holdings area, a significant decrease of 30.5% compared with 2017. The quantity of field crops produced in the emirate in 2018 was 177,589 tons.

Vegetable crops grown in open fields and under greenhouses constituted 2.7% of the total plant holdings area. Tomatoes accounted for 18.0% of the total area of vegetable crops, followed by Cucumber at 15.4%, Sweet Corn 13.5%, meanwhile rest of the crops formed 53.1% of the total area of vegetable crops in 2018.

Forest trees and windbreaks occupied 2.2% of the total plant holdings area. The current fallow area represented 35.3% and buildings area represented 1.7%. Data shows that the potentially productive area accounted for 16.0% of the total plant holdings in 2018.

## 1.1 Plant holdings

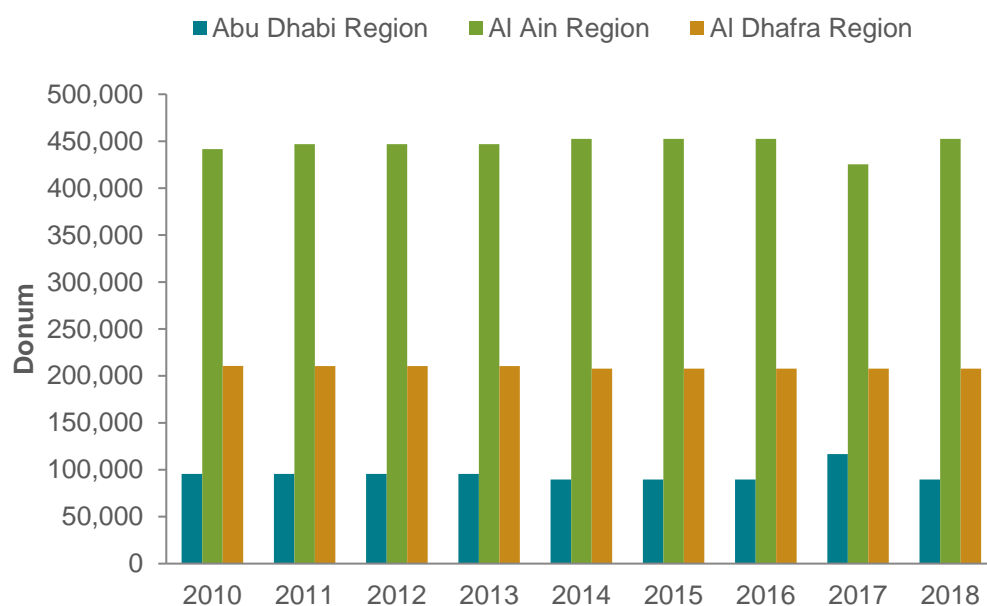
**Table 1.1: Number and area of plant holdings by region, 2005 to 2018**

(Area in Donums)

Year	Total		Abu Dhabi Region		Al Ain Region		Al Dhafra Region	
	Number	Area	Number	Area	Number	Area	Number	Area
2005	<b>23,704</b>	<b>739,686</b>	4,793	111,452	11,529	438,820	7,382	189,414
2006	<b>23,648</b>	<b>720,651</b>	4,556	103,815	11,572	429,463	7,520	187,373
2007	<b>23,198</b>	<b>703,748</b>	4,072	98,314	11,701	423,083	7,425	182,351
2008	<b>24,015</b>	<b>731,512</b>	3,854	97,045	11,751	443,988	8,410	190,479
2009	<b>24,097</b>	<b>737,957</b>	3,814	94,380	11,782	436,656	8,501	206,921
2010	<b>24,290</b>	<b>747,679</b>	3,837	95,483	11,894	441,637	8,559	210,559
2011	<b>24,394</b>	<b>752,839</b>	3,837	95,483	11,985	446,898	8,572	210,458
2012	<b>24,394</b>	<b>752,839</b>	3,837	95,483	11,985	446,898	8,572	210,458
2013	<b>24,394</b>	<b>752,839</b>	3,837	95,483	11,985	446,898	8,572	210,458
2014	<b>24,018</b>	<b>749,868</b>	3,605	89,679	11,921	452,503	8,492	207,686
2015	<b>24,018</b>	<b>749,868</b>	3,605	89,679	11,921	452,503	8,492	207,686
2016	<b>24,018</b>	<b>749,868</b>	3,605	89,679	11,921	452,503	8,492	207,686
2017	<b>24,018</b>	<b>749,868</b>	3,605	89,679	11,921	452,503	8,492	207,686
2018	<b>24,018</b>	<b>749,868</b>	3,605	89,679	11,921	452,503	8,492	207,686

Source: Abu Dhabi Agriculture and Food Safety Authority

**Figure 1.1: Area of plant holdings by region, 2010 to 2018**



Source: Abu Dhabi Agriculture and Food Safety Authority



**Table 1.2: Number and area of plant holdings by region, 2018**

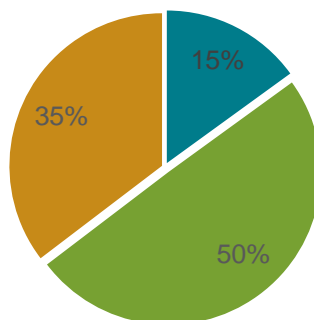
(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>24,018</b>	<b>749,868</b>
Abu Dhabi Region	3,605	89,679
Al Ain Region	11,921	452,503
Al Dhafra Region	8,492	207,686

Source: Abu Dhabi Agriculture and Food Safety Authority

**Figure 1.2: Percentage distribution of number of plant holdings by region, 2018**

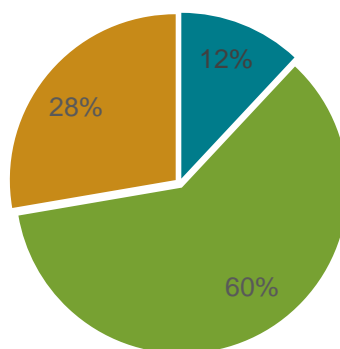
■ Abu Dhabi Region ■ Al Ain Region ■ Al Dhafra Region



Source: Statistics Centre - Abu Dhabi

**Figure 1.3: Percentage distribution of area of plant holdings by region, 2018**

■ Abu Dhabi Region ■ Al Ain Region ■ Al Dhafra Region



Source: Statistics Centre - Abu Dhabi

**Table 1.3: Number and area of plant holdings by region in Abu Dhabi Region, 2018**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>3,605</b>	<b>89,679</b>
Al Rahba	1,965	52,832
Al Khatim	1,640	36,847

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.4: Number and area of plant holdings by region in Al Ain Region, 2018**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>11,921</b>	<b>452,503</b>
Abu Kreyah	883	29,341
Al Khazna	875	27,108
Al Damtha	228	13,254
Al Saad	213	6,307
Al Shewaib	60	8,701
Al Dhahra	762	25,411
Al Arad	1,111	37,091
Al Oya	629	21,866
Seih Bin Ammar	260	22,924
Al Fagah	93	6,017
Al Qattara	225	9,902
Al Quoa'	372	12,036
Al Heer	402	16,194
Al Wagan	550	19,190
Al Yahar	73	2,868
Um-Ghafa	93	5,502
Beda' Fares	865	28,776
Remah	553	20,495
Al-Salamat	571	19,035
Suwaihan	274	11,279
Seih Haraz	1,012	33,673
Sera'	584	19,669
Ghummudh	691	24,632
Masakin	124	16,929
Nahel	418	14,303

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.5: Number and area of plant holdings by region in Al Dhafra Region, 2018**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>8,492</b>	<b>207,686</b>
Al Tharwaniya	1,746	41,619
Al Silaa	108	1,656
Al Dhafra	128	2,278
Al Mirfaa	98	980
Um Al Hesn	795	19,156
Hassan	1,371	28,223
Hamim	883	20,115
Delma	102	1,013
Seih Al Khair	559	23,264
Ghayathi	478	18,410
Madinat Zayed	541	12,802
Muzairaa	1,683	38,170

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.6: Number and area of plant holdings by area category and region, 2018**

(Area in Donums)

Region	Total		Less than 20 donum		20-39 donum		40 - 59 donum		60 donums and more	
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area
<b>Total</b>	<b>24,018</b>	<b>749,869</b>	<b>4,490</b>	<b>49,476</b>	<b>16,224</b>	<b>487,423</b>	<b>2,833</b>	<b>117,382</b>	<b>471</b>	<b>95,588</b>
Abu Dhabi Region	3,605	89,679	592	9,528	2,949	76,259	45	1,999	19	1,893
Al Ain Region	11,921	452,503	636	8,697	10,516	342,155	388	18,396	381	83,255
Al Dhafra Region	8,492	207,687	3,262	31,251	2,759	69,009	2,400	96,987	71	10,440

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.7: Number and area of plant holdings by area category and region in Abu Dhabi Region, 2018**

(Area in Donums)

Region	Total		Less than 20 donum		20-39 donum		40 - 59 donum		60 donums and more	
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area
<b>Total</b>	<b>3,605</b>	<b>89,679</b>	<b>592</b>	<b>9,528</b>	<b>2,949</b>	<b>76,259</b>	<b>45</b>	<b>1,999</b>	<b>19</b>	<b>1,893</b>
Al Rahba	1,965	52,832	15	180	1,950	52,653	0	0	0	0
Al Khatim	1,640	36,847	577	9,348	999	23,606	45	1,999	19	1,893

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.8: Number and area of plant holdings by area category and region in Al Ain Region, 2018**

(Area in Donums)

Region	Total		Less than 20 donum		20-39 donum		40 - 59 donum		60 donums and more	
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area
<b>Total</b>	<b>11,921</b>	<b>452,503</b>	<b>636</b>	<b>8,697</b>	<b>10,516</b>	<b>342,155</b>	<b>388</b>	<b>18,396</b>	<b>381</b>	<b>83,255</b>
Abu Kreyah	883	29,341	12	183	870	29,107	1	51	0	0
Al Khazna	875	27,108	134	2,133	621	16,806	82	3,602	38	4,567
Al Damtha	228	13,254	0	0	200	6,358	7	342	21	6,554
Al Saad	213	6,307	10	143	195	5,739	5	237	3	188
Al Salamat	571	19,035	3	20	545	17,121	13	571	10	1,323
Al Shewaib	60	8,701	40	573	9	287	1	60	10	7,781
Al Dhahra	762	25,410	5	82	756	25,263	0	0	1	65
Al Arad	1,111	37,093	33	384	1,075	35,569	1	47	2	1,093
Al Oya	629	21,866	8	135	616	20,424	4	189	1	1,118
Seih Bin Ammar	260	22,924	71	750	57	1,749	34	1,657	98	18,768
Al Fagah	93	6,017	14	222	72	2,390	1	46	6	3,359
Al Qattara	225	9,901	89	871	69	2,114	40	1,930	27	4,986
Al Quoa'	372	12,036	15	247	357	11,789	0	0	0	0
Al Hayer	402	16,194	65	942	272	8,773	34	1,770	31	4,709
Al Wagan	550	19,190	36	550	497	15,729	14	597	3	2,314
Al Yahar	73	2,867	11	89	37	1,189	20	973	5	616
Um Ghafa	93	5,502	43	645	34	1,107	5	247	11	3,503
Beda Fares	865	28,775	11	182	852	28,435	0	0	2	158
Remah	553	20,495	14	216	477	15,388	36	1,739	26	3,152
Sweihaan	274	11,279	0	0	201	6,454	53	2,517	20	2,308
Seih Herez	1,012	33,675	10	147	1,002	33,528	0	0	0	0
Seraa	584	19,669	2	34	579	19,396	1	55	2	184
Gumodh	691	24,632	9	132	643	21,406	23	1,079	16	2,015
Masakin	124	16,929	0	0	69	2,264	10	539	45	14,126
Naahal	418	14,303	1	17	411	13,770	3	148	3	368

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.9: Number and area of plant holdings by area category and region in Al Dhafra Region, 2018**

(Area in Donums)

Region	Total		Less than 20 donum		20-39 donum		40 - 59 donum		60 donums and more	
	Number	Area	Number	Area	Number	Area	Number	Area	Number	Area
<b>Total</b>	<b>8,492</b>	<b>207,687</b>	<b>3,262</b>	<b>31,251</b>	<b>2,759</b>	<b>69,009</b>	<b>2,400</b>	<b>96,987</b>	<b>71</b>	<b>10,440</b>
Al Tharwaniya	1,746	41,619	727	6,502	502	13,348	501	20,395	16	1,374
Al Silaa	108	1,656	104	1,560	4	96	0	0	0	0
Al Dhafra	128	2,278	111	1,859	16	379	1	40	0	0
Al Mirfaa	98	980	98	980	0	0	0	0	0	0
Um Al Hesn	795	19,157	51	546	672	15,637	71	2,849	1	125
Hassan	1,371	28,223	717	5,885	406	10,654	236	9,588	12	2,096
Hamim	883	20,115	278	2,447	424	10,271	180	7,328	1	69
Delma	102	1,013	101	955	0	0	1	58	0	0
Seih Al Khair	559	23,264	20	178	20	486	506	20,268	13	2,332
Ghayathi	478	18,410	21	180	5	110	451	18,040	1	80
Madinat Zayed	541	12,802	240	3,493	179	4,082	118	4,723	4	504
Muzairaa	1,683	38,170	794	6,666	531	13,946	335	13,698	23	3,860

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.10: Number and area of working plant holdings by region, 2018**

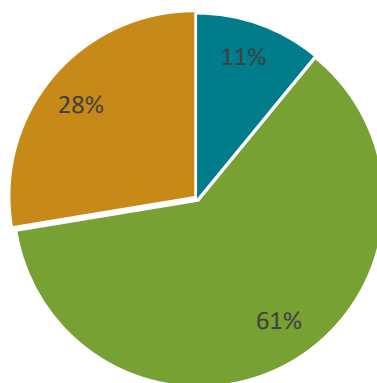
(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>21,976</b>	<b>700,939</b>
Abu Dhabi Region	3,017	76,636
Al Ain Region	11,273	430,800
Al Dhafra Region	7,686	193,503

Source: Abu Dhabi Agriculture and Food Safety Authority

**Figure 1.4: Percentage distribution of area of working plant holdings by region, 2018**

■ Abu Dhabi Region ■ Al Ain Region ■ Al Dhafra Region



Source: Statistics Centre - Abu Dhabi

**Table 1.11: Number and area of working plant holdings by region in Abu Dhabi Region, 2018**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>3,017</b>	<b>76,636</b>
Al Rahba	1,834	49,374
Al Khatim	1,183	27,262

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.12: Number and area of working plant holdings by region in Al Ain Region, 2018**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>11,273</b>	<b>430,800</b>
Abu Kreyah	871	28,939
Al Khazna	678	21,252
Al Damtha	221	13,054
Al Saad	197	5,814
Al-Salamat	508	17,111
Al Shewaib	59	8,667
Al Dhahra	755	25,176
Al Arad	1,075	36,210
Al Oya	617	21,481
Seih Bin Ammar	254	22,861
Al Fagah	83	5,515
Al Qattara	210	9,259
Al Quoa'	371	12,025
Al Heer	392	15,612
Al Wagan	529	18,613
Al Yahar	68	2,824
Um-Ghafa	93	5,502
Beda' Fares	853	28,375
Remah	524	19,586
Suwaihan	271	11,185
Seih Haraz	954	31,783
Sera'	570	19,200
Ghummudh	604	21,573
Masakin	105	15,114
Nahel	411	14,069

Source: Abu Dhabi Agriculture and Food Safety Authority



**Table 1.13: Number and area of working plant holdings by region in Al Dhafra Region, 2018**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>7,686</b>	<b>193,503</b>
Al Tharwaniya	1,516	38,443
Al Silaa	108	1,656
Al Dhafra	124	2,198
Al Mirfaa	93	930
Um Al Hesn	738	17,996
Hassan	1,309	27,361
Hamim	780	18,111
Delma	101	1,009
Seih Al Khair	523	21,803
Ghayathi	441	17,378
Madinat Zayed	496	11,974
Muzairaa	1,457	34,644

Source: Abu Dhabi Agriculture and Food Safety Authority

## 1.2 Agricultural Land Use

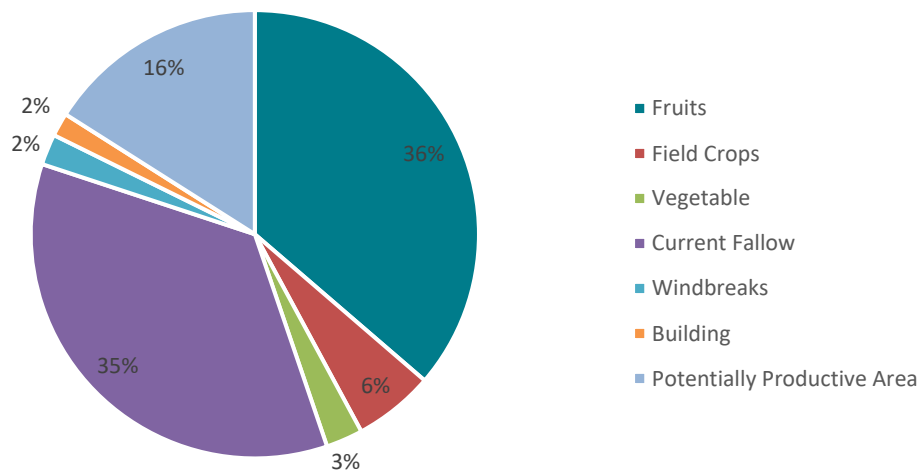
**Table 1.14: Area of plant holdings by land use and region, 2018**

(Area in Donums)

Item	Abu Dhabi Region	Al Ain Region	Al Dhafra Region	Total
<b>Total</b>	<b>89,678.6</b>	<b>452,503.4</b>	<b>207,685.9</b>	<b>749,867.9</b>
Fruit Trees	23,175.0	145,779.0	103,368.0	272,322.0
Field Crops	3,732.0	33,197.0	6,585.0	43,514.0
Vegetables Crops (opened field)	4,458.0	6,765.4	3,010.6	14,234.0
Vegetables Crops (under protective cover)	686.0	3,470.2	1,568.8	5,725.0
Current Fallow	29,956.0	168,166.3	66,494.2	264,616.5
Windbreaks	4,664.0	4,762.0	7,275.0	16,701.0
Building	1,498.0	7,662.2	3,565.0	12,725.2
Potentially Productive Area	21,509.6	82,701.3	15,819.3	120,030.2

Source: Abu Dhabi Agriculture and Food Safety Authority

**Figure 1.5: Percentage distribution of agricultural area by land use, 2018**



Source: Statistics Centre - Abu Dhabi

## 1.3 Field crops

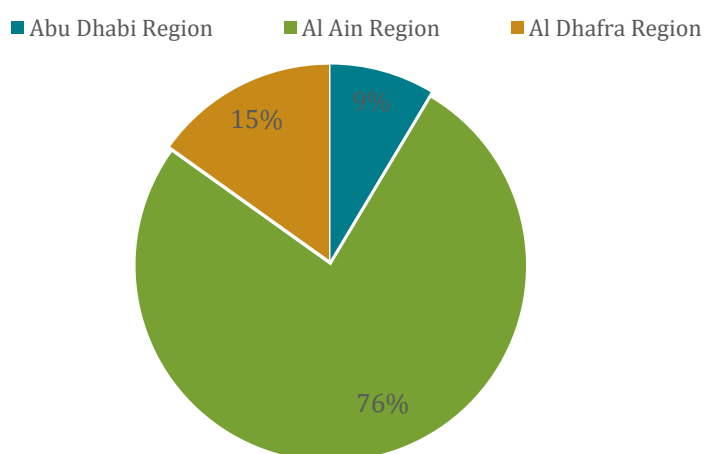
**Table 1.15: Crop area, quantity and value of production of field crops by region, 2018**

(Area in Donums, Quantity in Tons)

Region	Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>43,514</b>	<b>177,589</b>	<b>247,854</b>
Abu Dhabi Region	3,732	13,928	27,675
Al Ain Region	33,197	139,747	178,945
Al Dhafra Region	6,585	23,914	41,234

Source: Abu Dhabi Agriculture and Food Safety Authority

**Figure 1.6: Percentage distribution of cultivated area of field crops by region, 2018**



Source: Statistics Centre - Abu Dhabi

**Table 1.16: Crop area, quantity and value of production of field crops by type, 2018**

Type of crop	Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>43,514</b>	<b>177,589</b>	<b>247,854</b>
Rhodes grass	35,307	158,885	210,974
Alfalfa	5,915	11,833	19,513
Others	2,292	6,871	17,367

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.17: Crop area, quantity and value of production of field crops by type in Abu Dhabi Region, 2018**

Type of crop	Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>3,732</b>	<b>13,928</b>	<b>27,675</b>
Rhodes grass	2,121	9,545	16,265
Alfalfa	450	901	1,634
Others	1,161	3,482	9,776

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.18: Crop area, quantity and value of production of field crops by type in Al Ain Region, 2018**

Type of crop	Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>33,197</b>	<b>139,747</b>	<b>178,945</b>
Rhodes grass	29,038	130,673	164,400
Alfalfa	3,403	6,807	10,086
Others	756	2,267	4,459

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.19: Crop area, quantity and value of production of field crops by type in Al Dhafra Region, 2018**

Type of crop	Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>6,585</b>	<b>23,914</b>	<b>41,234</b>
Rhodes Grass	4,148	18,667	30,309
Alfalfa	2,062	4,125	7,793
Others	375	1,122	3,132

Source: Abu Dhabi Agriculture and Food Safety Authority

## 1.4 Vegetables Crops

**Table 1.20: Crop area, quantity and value of production of vegetables by type of crop, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>19,958.8</b>	<b>100,362.9</b>	<b>288,656.1</b>
Potato	180.5	451.4	1,176.1
Cabbage	1,445.6	8,475.5	12,532.4
Hot Pepper	167.8	83.9	251.2
Sweet Pepper	410.0	1,127.4	3,460.7
Marrow	2,152.6	4,747.3	17,890.0
Egg Plant	982.9	3,116.5	6,078.1
Cucumber	3,083.1	42,393.1	132,390.2
Tomato	3,601.3	23,671.5	67,907.0
Water Melon	166.1	498.2	1,191.3
Sweet Melon	467.6	1,636.7	4,124.9
Lettuce	232.5	197.6	841.3
Onion	1,377.5	4,001.7	9,075.9
Parsley	741.3	1,113.1	5,940.1
Beans	399.2	336.8	1,237.5
Beets	189.4	331.5	911.9
Carrot	49.6	86.7	202.0
Cauliflower	475.9	1,621.9	4,421.8
Pumpkin	24.8	68.2	345.1
Coriander	202.1	170.0	1,013.5
Mallow	143.6	50.0	228.3
Okra	172.1	136.9	741.3
Radish	100.7	181.4	926.6
Sweet Corn	2,692.6	4,800.7	12,245.5
Garden Rocket	65.9	95.6	540.6
Turnip	8.3	14.6	33.9
Broccoli	0.0	0.0	0.0
Others	425.8	954.7	2,948.9

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.21: Crop area, quantity and value of production of vegetables by type of crop in Abu Dhabi Region, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>5,143.8</b>	<b>19,079.9</b>	<b>51,817.3</b>
Potato	37.1	92.8	241.3
Cabbage	344.0	2,064.1	3,037.0
Hot Pepper	29.8	14.8	43.8
Sweet Pepper	52.9	145.6	446.4
Marrow	439.5	989.0	3,717.5
Egg Plant	353.6	1,149.4	2,242.5
Cucumber	302.0	4,152.5	12,255.8
Tomato	821.0	5,226.7	15,263.9
Water Melon	61.0	183.1	438.7
Sweet Melon	120.0	420.0	1,053.3
Lettuce	25.9	22.0	94.2
Onion	242.8	725.2	1,646.0
Parsley	84.7	170.7	921.0
Beans	341.7	290.5	1,069.1
Beets	47.4	82.8	242.3
Carrot	13.7	23.8	57.4
Cauliflower	44.9	157.0	427.9
Pumpkin	14.0	38.4	195.8
Coriander	39.0	20.9	115.7
Mallow	37.7	15.7	71.5
Okra	30.5	24.4	131.7
Radish	15.8	27.8	142.1
Sweet Corn	1,399.1	2,518.4	6,197.1
Garden Rocket	38.0	42.0	258.9
Turnip	0.1	0.2	0.6
Broccoli	0.0	0.0	0.0
Others	207.6	482.1	1,505.8

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.22: Crop area, quantity and value of production of vegetables by type of crop in Al Ain Region, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>10,235.6</b>	<b>53,214.9</b>	<b>161,175.2</b>
Potato	130.4	326.1	850.1
Cabbage	316.7	1,900.0	2,814.0
Hot Pepper	77.7	38.9	117.2
Sweet Pepper	219.1	602.4	1,837.9
Marrow	1,556.7	3,502.6	13,208.1
Egg Plant	402.3	1,307.5	2,549.5
Cucumber	1,913.8	26,315.6	84,209.9
Tomato	1,574.4	10,706.3	29,873.4
Water Melon	98.2	294.5	703.4
Sweet Melon	290.0	1,015.1	2,562.7
Lettuce	196.8	167.3	711.7
Onion	644.5	1,930.9	4,378.5
Parsley	612.3	884.2	4,709.4
Beans	41.4	35.2	127.9
Beets	132.8	232.4	625.8
Carrot	30.8	54.0	124.2
Cauliflower	356.3	1,247.3	3,400.7
Pumpkin	6.8	18.8	94.3
Coriander	145.4	130.9	788.1
Mallow	87.2	26.6	121.7
Okra	117.8	94.2	510.6
Radish	73.0	138.1	705.1
Sweet Corn	1,019.4	1,834.8	4,862.5
Garden Rocket	6.5	22.5	118.3
Turnip	8.0	14.1	32.5
Broccoli	0.0	0.0	0.0
Others	177.3	374.6	1,137.7

Source: Abu Dhabi Agriculture and Food Safety Authority



**Table 1.23: Crop area, quantity and value of production of vegetables by type of crop in Al Dhafra Region, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>4,579.4</b>	<b>28,068.1</b>	<b>75,663.6</b>
Potato	13.0	32.5	84.7
Cabbage	784.9	4,511.4	6,681.4
Hot Pepper	60.3	30.2	90.2
Sweet Pepper	138.0	379.4	1,176.4
Marrow	156.4	255.7	964.4
Egg Plant	227.0	659.6	1,286.1
Cucumber	867.3	11,925.0	35,924.5
Tomato	1,205.9	7,738.5	22,769.7
Water Melon	6.9	20.6	49.2
Sweet Melon	57.6	201.6	508.9
Lettuce	9.8	8.3	35.4
Onion	490.2	1,345.6	3,051.4
Parsley	44.3	58.2	309.7
Beans	16.1	11.1	40.5
Beets	9.2	16.3	43.8
Carrot	5.1	8.9	20.4
Cauliflower	74.7	217.6	593.2
Pumpkin	4.0	11.0	55.0
Coriander	17.7	18.2	109.7
Mallow	18.7	7.7	35.1
Okra	23.8	18.3	99.0
Radish	11.9	15.5	79.4
Sweet Corn	274.1	447.5	1,185.9
Garden Rocket	21.4	31.1	163.4
Turnip	0.2	0.3	0.8
Broccoli	0.0	0.0	0.0
Others	40.9	98.0	305.4

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.24: Crop area, quantity and value of production of vegetables in opened field (exposed land) by type of crop, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>14,234.1</b>	<b>42,312.1</b>	<b>110,847.3</b>
Potato	180.5	451.4	1,176.1
Cabbage	1,445.6	8,475.5	12,532.4
Hot Pepper	0.0	0.0	0.0
Sweet Pepper	0.0	0.0	0.0
Marrow	2,152.6	4,747.3	17,890.0
Egg Plant	982.9	3,116.5	6,078.1
Cucumber	0.0	0.0	0.0
Tomato	1,537.5	9,225.1	26,200.3
Water Melon	166.1	498.2	1,191.3
Sweet Melon	467.6	1,636.7	4,124.9
Lettuce	232.5	197.6	841.3
Onion	1,377.5	4,001.7	9,075.9
Parsley	741.3	1,113.1	5,940.1
Beans	399.2	336.8	1,237.5
Beets	189.4	331.5	911.9
Carrot	49.6	86.7	202.0
Cauliflower	475.9	1,621.9	4,421.8
Pumpkin	24.8	68.2	345.1
Coriander	202.1	170.0	1,013.5
Mallow	143.6	50.0	228.3
Okra	172.1	136.9	741.3
Radish	100.7	181.4	926.6
Sweet Corn	2,692.6	4,800.7	12,245.5
Garden Rocket	65.9	95.6	540.6
Turnip	8.3	14.6	33.9
Broccoli	0.0	0.0	0.0
Others	425.8	954.7	2,948.9

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.25: Crop area, quantity and value of production of vegetables in opened field (exposed land) by type of crop in Abu Dhabi Region, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>4,458.1</b>	<b>12,660.0</b>	<b>32,847.3</b>
Potato	37.1	92.8	241.3
Cabbage	344.0	2,064.1	3,037.0
Hot Pepper	0.0	0.0	0.0
Sweet Pepper	0.0	0.0	0.0
Marrow	439.5	989.0	3,717.5
Egg Plant	353.6	1,149.4	2,242.5
Cucumber	0.0	0.0	0.0
Tomato	520.0	3,119.7	9,039.9
Water Melon	61.0	183.1	438.7
Sweet Melon	120.0	420.0	1,053.3
Lettuce	25.9	22.0	94.2
Onion	242.8	725.2	1,646.0
Parsley	84.7	170.7	921.0
Beans	341.7	290.5	1,069.1
Beets	47.4	82.8	242.3
Carrot	13.7	23.8	57.4
Cauliflower	44.9	157.0	427.9
Pumpkin	14.0	38.4	195.8
Coriander	39.0	20.9	115.7
Mallow	37.7	15.7	71.5
Okra	30.5	24.4	131.7
Radish	15.8	27.8	142.1
Sweet Corn	1,399.1	2,518.4	6,197.1
Garden Rocket	38.0	42.0	258.9
Turnip	0.1	0.2	0.6
Broccoli	0.0	0.0	0.0
Others	207.6	482.1	1,505.8

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.26: Crop area, quantity and value of production of vegetables in opened field (exposed land) by type of crop in Al Ain Region, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>6,765.4</b>	<b>17,441.1</b>	<b>50,447.2</b>
Potato	130.4	326.1	850.1
Cabbage	316.7	1,900.0	2,814.0
Hot Pepper	0.0	0.0	0.0
Sweet Pepper	0.0	0.0	0.0
Marrow	1,556.7	3,502.6	13,208.1
Egg Plant	402.3	1,307.5	2,549.5
Cucumber	0.0	0.0	0.0
Tomato	314.8	1,889.4	5,310.4
Water Melon	98.2	294.5	703.4
Sweet Melon	290.0	1,015.1	2,562.7
Lettuce	196.8	167.3	711.7
Onion	644.5	1,930.9	4,378.5
Parsley	612.3	884.2	4,709.4
Beans	41.4	35.2	127.9
Beets	132.8	232.4	625.8
Carrot	30.8	54.0	124.2
Cauliflower	356.3	1,247.3	3,400.7
Pumpkin	6.8	18.8	94.3
Coriander	145.4	130.9	788.1
Mallow	87.2	26.6	121.7
Okra	117.8	94.2	510.6
Radish	73.0	138.1	705.1
Sweet Corn	1,019.4	1,834.8	4,862.5
Garden Rocket	6.5	22.5	118.3
Turnip	8.0	14.1	32.5
Broccoli	0.0	0.0	0.0
Others	177.3	374.6	1,137.7

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.27: Crop area, quantity and value of production of vegetables in opened field (exposed land) by type of crop in Al Dhafra Region, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>3,010.6</b>	<b>12,211.0</b>	<b>27,552.8</b>
Potato	13.0	32.5	84.7
Cabbage	784.9	4,511.4	6,681.4
Hot Pepper	0.0	0.0	0.0
Sweet Pepper	0.0	0.0	0.0
Marrow	156.4	255.7	964.4
Egg Plant	227.0	659.6	1,286.1
Cucumber	0.0	0.0	0.0
Tomato	702.7	4,216.0	11,850.0
Water Melon	6.9	20.6	49.2
Sweet Melon	57.6	201.6	508.9
Lettuce	9.8	8.3	35.4
Onion	490.2	1,345.6	3,051.4
Parsley	44.3	58.2	309.7
Beans	16.1	11.1	40.5
Beets	9.2	16.3	43.8
Carrot	5.1	8.9	20.4
Cauliflower	74.7	217.6	593.2
Pumpkin	4.0	11.0	55.0
Coriander	17.7	18.2	109.7
Mallow	18.7	7.7	35.1
Okra	23.8	18.3	99.0
Radish	11.9	15.5	79.4
Sweet Corn	274.1	447.5	1,185.9
Garden Rocket	21.4	31.1	163.4
Turnip	0.2	0.3	0.8
Broccoli	0.0	0.0	0.0
Others	40.9	98.0	305.4

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.28: Crop area, quantity and value of production of vegetables under protective cover by type of crop, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>5,724.7</b>	<b>58,050.8</b>	<b>177,808.8</b>
Hot Pepper	167.8	83.9	251.2
Sweet Pepper	410.0	1,127.4	3,460.7
Cucumber	3,083.1	42,393.1	132,390.2
Tomato	2,063.8	14,446.4	41,706.7
Others	0.0	0.0	0.0

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.29: Crop area, quantity and value of production of vegetables under protective cover by type of crop in Abu Dhabi Region, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>685.7</b>	<b>6,419.9</b>	<b>18,970.0</b>
Hot Pepper	29.8	14.8	43.8
Sweet Pepper	52.9	145.6	446.4
Cucumber	302.0	4,152.5	12,255.8
Tomato	301.0	2,107.0	6,224.0
Others	0.0	0.0	0.0

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.30: Crop area, quantity and value of production of vegetables under protective cover by type of crop in Al Ain Region, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>3,470.2</b>	<b>35,773.8</b>	<b>110,728.0</b>
Hot Pepper	77.7	38.9	117.2
Sweet Pepper	219.1	602.4	1,837.9
Cucumber	1,913.8	26,315.6	84,209.9
Tomato	1,259.6	8,816.9	24,563.0
Others	0.0	0.0	0.0

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.31: Crop area, quantity and value of production of vegetables under protective cover by type of crop in Al Dhafra Region, 2018**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>1,568.8</b>	<b>15,857.1</b>	<b>48,110.8</b>
Hot Pepper	60.3	30.2	90.2
Sweet Pepper	138.0	379.4	1,176.4
Cucumber	867.3	11,925.0	35,924.5
Tomato	503.2	3,522.5	10,919.7
Others	0.0	0.0	0.0

Source: Abu Dhabi Agriculture and Food Safety Authority



## 1.5 Forests, Trees and Dates Production

Forests are not only considered as a wide green cover but they are deemed to be an economic and industrial supplier. Forests prevent soil degradation and erosion; they also protect water springs, and maintain the stability of the mountains. Forests cool the air, absorb carbon dioxide and produce oxygen which reduces the global warming. Moreover, they function as wind barrier and provide a shelter for many plants and animals that can not only live in it.

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 Al Dhafra region up to the edge of the Empty Quarter. They also spread in Abu Dhabi Region 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 hectare 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.

**Table 1.32: Number and area of forest trees by region, 2017**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>13,297,691</b>	<b>1,888,030</b>
Abu Dhabi Region	2,992,729	200,330
Al Ain Region	3,370,436	547,950
Al Dhafra Region	6,934,526	1,139,750

Source: Environmental Agency - Abu Dhabi

**Table 1.33: Number and area of forest trees\* (Windbreaks) in plant holdings by type and region, 2018**

(Area in Donums)

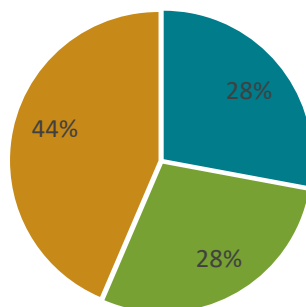
Type of crop	Total		Abu Dhabi Region		Al Ain Region		Al Dhafra Region	
	Number	Area	Number	Area	Number	Area	Number	Area
<b>Total</b>	<b>1,154,739</b>	<b>16,701</b>	<b>358,245</b>	<b>4,664</b>	<b>403,374</b>	<b>4,762</b>	<b>393,120</b>	<b>7,275</b>
Damas	384,455	3,679	112,820	1,010	167,703	1,509	103,932	1,160
Raaq	71,729	1,117	5,926	63	32,086	450	33,717	604
Cider	263,943	5,904	134,228	3,125	51,664	1,100	78,051	1,679
Samar	1,608	34	0	0	799	15	809	20
Ghaf	219,456	4,456	24,037	343	56,901	1,142	138,518	2,971
Ghwaf	19,329	458	403	5	3,276	40	15,650	413
Kenyah	1,814	41	62	1	1,112	16	640	24
Ornamental Tree	116,540	161	77,692	85	38,120	68	728	8
Others	75,865	850	3,077	32	51,713	422	21,075	396

Source: Abu Dhabi Agriculture and Food Safety Authority

\* Windbreaks in plant holdings.

**Figure 1.7: Percentage distribution of forest trees area by region, 2018**

■ Abu Dhabi Region ■ Al Ain Region ■ Al Dhafra Region



Source: Statistics Centre - Abu Dhabi

**Table 1.34: Quantity and value of dates produced by region, 2016 to 2018 \***

(Quantity: tons, Value: 1000 AED)

Region	Item	2016	2017	2018
<b>Total</b>	<b>Quantity</b>	<b>240,865</b>	<b>242,425</b>	<b>245,027</b>
	<b>Value</b>	<b>1,546,546</b>	<b>1,350,793</b>	<b>1,460,414</b>
Abu Dhabi Region	Quantity	10,486	10,554	10,667
	Value	47,241	47,080	50,605
Al Ain Region	Quantity	84,717	85,266	86,181
	Value	519,544	455,560	507,695
Al Dhafra Region	Quantity	145,662	146,605	148,179
	Value	979,761	848,153	902,114

Source: Abu Dhabi Agriculture and Food Safety Authority

\*Estimated Data

**Table 1.35: Quantity and value of dates produced and received to ALFOAH Company by region, 2016 to 2018**  
(Quantity: tons, Value: 1000 AED)

Region	Item	2016	2017	2018
<b>Total</b>	<b>Quantity</b>	<b>96,037</b>	<b>89,938</b>	<b>81,314</b>
	<b>Value</b>	<b>600,149</b>	<b>489,689</b>	<b>482,586</b>
Abu Dhabi Region	Quantity	5,745	5,464	2,180
	Value	25,882	24,376	10,342
Al Ain Region	Quantity	55,706	52,869	48,351
	Value	341,631	282,469	284,837
Al Dhafra Region	Quantity	34,586	31,605	30,783
	Value	232,636	182,844	187,407

Source: Al Foah Company

## 1.6 Irrigated areas

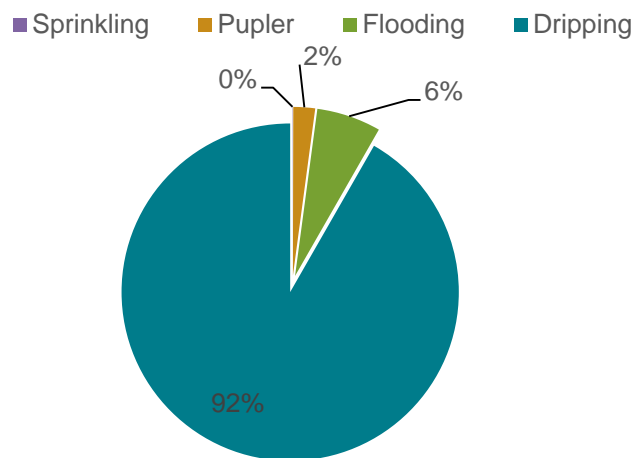
**Table 1.36: Irrigated areas by type of irrigation system and region, 2018**

(Area in Donums)

Region	Irrigation system				Total
	Dripping	Flooding	Pupler	Sprinkling	
<b>Total</b>	<b>326,048</b>	<b>19,533</b>	<b>6,808</b>	<b>110</b>	<b>352,499</b>
Abu Dhabi Region	35,485	1,230	0	0	36,715
Al Ain Region	170,138	17,073	6,671	91	193,973
Al Dhafra Region	120,425	1,230	137	19	121,811

Source: Abu Dhabi Agriculture and Food Safety Authority

**Figure 1.8: Percentage distributions of irrigated areas by type of irrigation system, 2018**



Source: Statistics Centre - Abu Dhabi

**Table 1.37: Irrigated areas by type of irrigation system and region in Abu Dhabi Region, 2018**

(Area in Donums)

Region	Irrigation system				Total
	Dripping	Flooding	Pupler	Sprinkling	
<b>Total</b>	<b>35,485</b>	<b>1,230</b>	<b>0</b>	<b>0</b>	<b>36,715</b>
Al Rahba	25,287	50	0	0	25,337
Al Khatim	10,198	1,180	0	0	11,378

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.38: Irrigated areas by type of irrigation system and region in Al Ain Region, 2018**

(Area in Donums)

Region	Irrigation system				Total
	Dripping	Flooding	Pupler	Sprinkling	
<b>Total</b>	<b>170,138</b>	<b>17,073</b>	<b>6,671</b>	<b>91</b>	<b>193,973</b>
Abu Kreyah	11,437	28	0	0	11,465
Al Khazna	7,712	189	120	0	8,021
Al Damtha	3,221	746	0	0	3,967
Al Saad	2,138	512	155	18	2,823
Al Salammat	8,153	78	0	0	8,231
Al Shewaib	2,254	708	0	0	2,962
Al Dhahra	9,738	49	0	14	9,801
Al Arad	16,099	537	15	0	16,651
Al Oya	9,471	1,713	0	0	11,184
Seih Bin Ammar	7,480	5,247	372	45	13,144
Al Fagah	2,477	16	0	0	2,493
Al Qattara	3,639	1,709	0	0	5,348
Al Quaa	6,258	1,145	0	0	7,403
Al Hayer	7,010	288	800	2	8,100
Al Wagan	7,013	1,757	0	2	8,772
Al Yahar	923	379	28	0	1,330
Um Ghafa	682	2	1,126	0	1,810
Beda Fares	13,720	47	548	0	14,315
Remah	5,722	501	3,256	10	9,489
Sweihaan	5,735	773	217	0	6,725
Seih Herez	12,578	92	34	0	12,704
Seraa	9,096	48	0	0	9,144
Gumodh	7,941	74	0	0	8,015
Masakin	3,330	320	0	0	3,650
Naahal	6,311	115	0	0	6,426

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.39: Irrigated areas by type of irrigation system and region in Al Dhafra Region, 2018**

(Area in Donums)

Region	Irrigation system				Total
	Dripping	Flooding	Pupler	Sprinkling	
<b>Total</b>	<b>120,425</b>	<b>1,230</b>	<b>137</b>	<b>19</b>	<b>121,811</b>
Al Tharwaniya	22,300	22	55	18	22,396
Al Silaa	782	0	0	0	782
Al Dhafra	748	0	0	0	748
Al Mirfaa	557	0	0	0	557
Um Al Hesn	10,573	29	0	0	10,602
Hassan	19,661	317	0	0	19,978
Hamim	10,358	45	0	0	10,403
Delma	725	28	0	0	753
Seih Al Khair	16,802	0	0	1	16,803
Ghayathi	9,103	22	0	0	9,125
Madinat Zayed	5,682	605	0	0	6,287
Muzairaa	23,134	161	82	0	23,377

Source: Abu Dhabi Agriculture and Food Safety Authority

## 1.7 Agricultural producer price index.

**Table 1.40: Agricultural producer price index , 2017 and 2018**

(2016 = 100)

Type of Crop	2017	2018
<b>All Products</b>	<b>102.4</b>	<b>101.7</b>
Tomato	104.8	100.6
Sweet Pepper	112.3	111.5
Hot Pepper	85.3	80.1
Cucumber	60.0	62.6
Marrow	97.8	107.3
Water Melon	28.1	37.3
Sweet Melon	113.7	103.8
Onion	99.8	105.9
Beans	86.0	85.4
Eggplant	115.1	91.8
Cauliflower	124.0	124.6
Cabbage	97.5	125.5
Lettuce	137.1	117.4
Pumpkin	52.2	–
Coriander	53.9	94.9
Beets	51.7	36.7
Parsley	81.1	96.7
Potato	61.3	70.3
Corn	82.7	82.7
Radish	16.9	13.7
Carrot	61.0	–
Okra	217.9	258.6

Source: Statistics Centre - Abu Dhabi

## 1.8 Wells

**Table 1.41: Number of agricultural wells by region, 2018**

Region	working wells	non-working wells	Total
<b>Total</b>	<b>41,341</b>	<b>22,096</b>	<b>63,437</b>
Abu Dhabi Region	2,841	697	3,538
Al Ain Region	25,186	12,204	37,390
Al Dhafra Region	13,314	9,195	22,509

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.42: Number of agricultural wells by region In Abu Dhabi Region, 2018**

Region	working wells	non-working wells	Total
<b>Total</b>	<b>2,841</b>	<b>697</b>	<b>3,538</b>
Al Rahba	2	0	2
Al Khatim	2,839	697	3,536

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.43: Number of agricultural wells by region In Al Ain Region, 2018**

Region	working wells	non-working wells	Total
<b>Total</b>	<b>25,186</b>	<b>12,204</b>	<b>37,390</b>
Abu Kreyah	1,952	770	2,722
Al Khazna	1,241	270	1,511
Al Damtha	522	321	843
Al Saad	405	379	784
Al Salamat	959	662	1,621
Al Shewaib	210	68	278
Al Dhahra	1,451	1,390	2,841
Al Arad	2,049	1,004	3,053
Al Oya	1,535	364	1,899
Seih Bin Ammar	1,090	354	1,444
Al Fagah	326	133	459
Al Qattara	574	456	1,030
Al Quaa	685	365	1,050
Al Hayer	860	234	1,094
Al Wagan	1,063	414	1,477
Al Yahar	166	252	418
Um Ghafa	322	150	472
Beda Fares	1,676	628	2,304
Remah	1,173	818	1,991
Sweihan	726	281	1,007
Seih Herez	2,143	1,115	3,258
Seraa	1,056	611	1,667
Gumodh	1,502	740	2,242
Masakin	432	201	633
Naahal	1,068	224	1,292

Source: Abu Dhabi Agriculture and Food Safety Authority



**Table 1.44: Number of agricultural wells by region In Al Dhafra Region, 2018**

Region	working wells	non-working wells	Total
<b>Total</b>	<b>13,314</b>	<b>9,195</b>	<b>22,509</b>
Al Tharwaniya	2,575	1,972	4,547
Al Dhafra	68	109	177
Um Al Hesn	1,359	916	2,275
Hassan	2,256	1,090	3,346
Hamim	1,447	789	2,236
Seih Al Khair	1,266	327	1,593
Ghayathi	885	787	1,672
Madinat Zayed	838	691	1,529
Muzairaa	2,620	2,514	5,134

Source: Abu Dhabi Agriculture and Food Safety Authority

## 1.9 Green Houses

**Table 1.45: Number and area of Green house by region, 2016 and 2018**

(Area in Donums)

Region	Item	2016	2017	2018
<b>Total</b>	Number	<b>16,037</b>	<b>15,340</b>	<b>18,269</b>
	Area	<b>5,504</b>	<b>5,118</b>	<b>6,164</b>
Abu Dhabi Region	Number	2,227	2,130	2,070
	Area	693	611	690
Al Ain Region	Number	9,821	9,394	12,056
	Area	3,421	2,939	3,983
Al Dhafra Region	Number	3,989	3,816	4,143
	Area	1,390	1,568	1,491

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.46: Number and area of Green house by region in Abu Dhabi Region, 2018**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>2,070</b>	<b>690</b>
Al Khatim	707	232
Al Rahba	1,363	458

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.47: Number and area of Green house by region in Al Ain Region, 2018**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>12,056</b>	<b>3,983</b>
Abu Kreyah	792	201
Al Khazna	255	84
Al Arad	842	276
Al Damtha	315	103
Al Dhahra	915	362
Al Fagah	348	115
Al Hayer	1,686	556
Al Oya	365	122
Al Qattara	247	88
Al Saad	139	49
Al Salamat	362	117
Al Shewaib	286	94
Al Wagan	93	29
Al Yahar	45	14
Beda Fares	782	258
Gumodh	679	224
Masakin	43	14
naahal	387	138
Remah	884	292
Seih Bin Ammar	780	257
Seih Herez	1,162	378
Seraa	289	92
Sweihan	321	106
Um Ghafa	39	13
Al Quaa	0	0

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.48: Number and area of Green house by region in Al Dhafra Region, 2018**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>4,143</b>	<b>1,491</b>
Al Dhafra	0	0
Al Mirfaa	0	0
Al Silaa	8	3
Al Tharwaniya	737	243
Delma	0	0
Ghayathi	87	25
Hamim	138	45
Hassan	242	80
Madinat Zayed	69	23
Muzairaa	984	325
Seih Al Khair	1,826	730
Um Al Hassan	52	17

Source: Abu Dhabi Agriculture and Food Safety Authority

## 1.10 Agricultural pesticides

**Table 1.49: Quantity of chemicals used by type and region, 2016 to 2018**

(Quantity in liter)

Region	2016	2017	2018
<b>Total</b>	<b>21,394</b>	<b>15,522</b>	<b>16,377</b>
Abu Dhabi Region	1,564	438	784
Al Ain Region	12,047	9,287	9,264
Al Dhafra Region	7,783	5,797	6,329

Source: Abu Dhabi Agriculture and Food Safety Authority

## 2. Foreign Trade In Agricultural Commodities

**Table 2.1: Value of agricultural commodities imported, exported, re-exported through the Ports of the Emirate of Abu Dhabi, 2015 to 2018**

Value: 000 AED

Year	Imports	Exports	Re-Exports
2015	8,680,178	10,450,015	3,288,705
2016	7,685,103	8,651,218	3,350,317
2017	7,782,250	7,353,615	2,644,071
2018	7,709,138	7,491,182	3,416,999

Source: Statistics Centre - Abu Dhabi

\*The 2015-2018 data has been updated according to the source's updated data collection methodology

**Table 2.1: Value of agricultural commodities imported, exported, re-exported through the Ports of the Emirate of Abu Dhabi, 2015 to 2018**



Source: Statistics Centre - Abu Dhabi

**Table 2.2: Value of Emirate of Abu Dhabi imports of agricultural goods and foods, 2015 to 2018**

( Value: 000 AED)

Description	2015	2016	2017	2018
<b>Total</b>	<b>8,680,178</b>	<b>7,685,103</b>	<b>7,782,250</b>	<b>7,709,138</b>
Live animals and their products	2,836,390	2,902,101	3,067,774	2,854,709
Vegetable products	2,897,759	2,121,719	2,129,972	2,389,376
Animals or vegetable fats, oils and waxes	396,914	445,529	419,620	336,586
Foodstuffs, beverages, spirits and tobacco	2,424,206	2,142,943	2,098,527	2,057,899
Fertilizers	99,553	57,085	54,303	60,909
Pesticides and rodents, fungi, weeds	25,356	15,726	12,054	9,659

Source: Statistics Centre - Abu Dhabi

**\*The 2015-2018 data has been updated according to the source's updated data collection methodology****Table 2.3: Value of Emirate of Abu Dhabi of exports of agricultural goods and food, 2015 to 2018**

( Value: 000 AED)

Description	2015	2016	2017	2018
<b>Total</b>	<b>10,450,015</b>	<b>8,651,218</b>	<b>7,353,615</b>	<b>7,491,182</b>
Live animals and their products	2,200,775	1,813,086	1,838,072	2,390,347
Vegetable products	2,158,013	1,664,336	994,264	623,163
Animals or vegetable fats, oils and waxes	1,283,472	746,395	564,309	568,618
Foodstuffs, beverages, spirits and tobacco	4,467,523	4,186,701	3,832,000	3,759,035
Fertilizers	77,370	63,030	49,678	49,859
Pesticides and rodents, fungi, weeds	262,862	177,670	75,292	100,160

Source: Statistics Centre - Abu Dhabi

**\*The 2015-2018 data has been updated according to the source's updated data collection methodology****Table 2.4: Value of re-exports of agricultural goods and foods through the ports of the Emirate of Abu Dhabi, 2015 to 2018**

( Value: 000 AED)

Description	2015	2016	2017	2018
<b>Total</b>	<b>3,288,705</b>	<b>3,350,317</b>	<b>2,644,071</b>	<b>3,416,999</b>
Live animals and their products	428,195	303,474	263,089	343,743
Vegetable products	1,935,382	1,528,519	1,266,546	2,025,700
Animals or vegetable fats, oils and waxes	18,484	14,004	13,833	10,071
Foodstuffs, beverages, spirits and tobacco	886,166	1,494,636	1,094,241	1,033,843
Fertilizers	3,243	3,345	1,806	2,051
Pesticides and rodents, fungi, weeds	17,235	6,339	4,556	1,591

Source: Statistics Centre - Abu Dhabi

**\*The 2015-2018 data has been updated according to the source's updated data collection methodology**

**Table 2.5: Quantity of imports, exports and re-exports of agricultural fertilizers through the ports of the Emirate of Abu Dhabi, 2015 to 2018**

(Quantity: tons)

Year	Imports	Exports	Re-Exports
2015	46,121	115,290	688
2016	34,202	25,684	1,468
2017	35,102	19,280	906
2018	34,337	19,082	1,235

Source: Statistics Centre - Abu Dhabi

\*The 2015-2018 data has been updated according to the source's updated data collection methodology

**Table 2.6: Value of imports, exports and re-exports of agricultural fertilizers through the ports of the Emirate of Abu Dhabi, 2015 to 2018**

( Value: 000 AED)

Year	Imports	Exports	Re-Exports
2015	99,553	77,370	3,243
2016	57,085	63,030	3,345
2017	54,303	49,678	1,806
2018	60,909	49,859	2,051

Source: Statistics Centre - Abu Dhabi

\*The 2015-2018 data has been updated according to the source's updated data collection methodology

## 3 Annex

### Explanatory notes

#### 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 building 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 use:** 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.

- **Nun arable area:** 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.

### Data sources

The report data was sourced from Abu Dhabi Agriculture and Food Safety Authority, Department of Urban Planning and Municipalities (Abu Dhabi, Al Ain, and Al Dhafra) and Al Foah Company. SCAD thereafter subjected the data to further checking and research.

### Notes on tables

- The term plant holding in this bulletin means plant farms in the Emirate of Abu Dhabi.
- Some figures have been rounded to the nearest final digit shown. Consequently, discrepancies may exist within a table between totals and sums of constituent items.
- The 2015-2018 data of Foreign Trade in Agricultural Commodities has been updated according to the source's updated data collection methodology.

### More information

For more information about plant statistics and agricultural statistics, please visit the statistics link on the SCAD website at <http://www.scad.ae>

The next release is expected in October 2020 for 2019 data.



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