

2020



مركز الإحصاء  
STATISTICS CENTRE

# Agricultural Statistics

## 2019



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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 2019. The hereunder are key indicators:

### Plant production statistics 2019

Indicator	Unit	Value of indicator
Area of agricultural holdings	Donum	749,868.0
Number of agricultural holdings	Number	24,018.0
Area of working agricultural holdings	Donum	700,939.0
Number of working agricultural holdings	Number	21,976.0
Crop area with fruit trees	Donum	272,322.0
Crop area with field crops	Donum	36,259.1
Crop area with vegetables (opened field)	Donum	13,734.7
Crop area with vegetables (under protective cover)	Donum	4,975.9
Number of working wells	Number	41,341.0

### Foreign trade of agricultural commodities 2019

Indicator	Unit	Value of indicator
Value of agricultural commodities imported	1000 AED	7,812,293
Value of agricultural commodities exported	1000 AED	6,317,783
Value of agricultural commodities re-exported	1000 AED	3,272,185

## 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 2019, 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 2019 was 247,726 tons, increased by 1.1% compared with 2018.

Crops occupy 4.8% of the total plant holdings area, The quantity of field crops produced in the emirate in 2019 was 161,506 tons.

Vegetable crops grown in open fields and under greenhouses constituted 2.5% of the total plant holdings area. Cucumber accounted for 17.6% of the total area of vegetable crops, followed by Tomatoes at 13.9%, followed by Cabbage at 11.0%, meanwhile rest of the crops formed 57.6% of the total area of vegetable crops in 2019.

Forest trees and windbreaks occupied 2.2% of the total plant holdings area. The current fallow area represented 37.4% and buildings area represented 1.7%. Data shows that the potentially productive area accounted for 15.1% of the total plant holdings in 2019.

## 1.1 Plant holdings

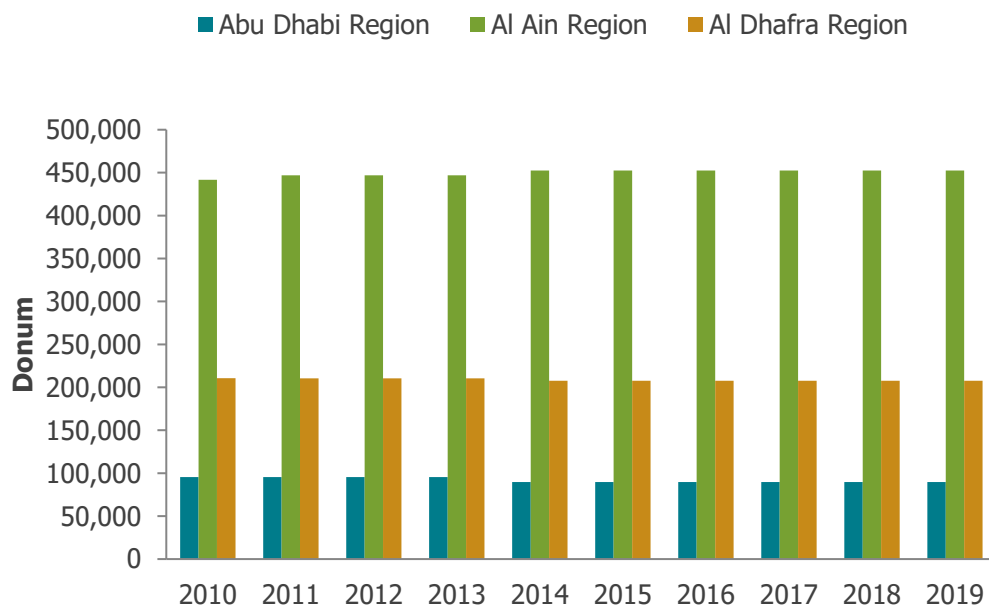
**Table 1.1: Number and area of plant holdings by region, 2005 to 2019**

(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
2019	<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 2019**



Source: Abu Dhabi Agriculture and Food Safety Authority



**Table 1.2: Number and area of plant holdings by region, 2019**

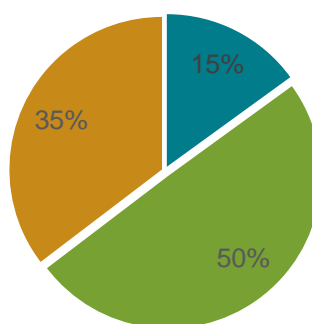
(Area in Donums)

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, 2019**

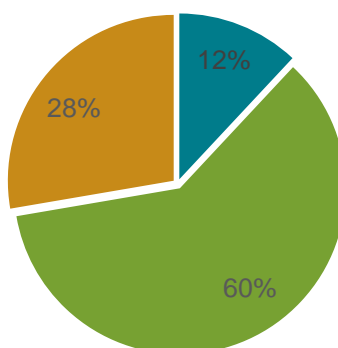
■ Abu Dhabi Region ■ Al Ain Region ■ Al Dhafra Region



Source: Statistics Centre - Abu Dhabi

**Figure 1.3: Percentage distribution of area of plant holdings by region, 2019**

■ 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, 2019**

(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, 2019**

(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, 2019**

(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, 2019**

(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, 2019**

(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, 2019**

(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, 2019**

(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, 2019**

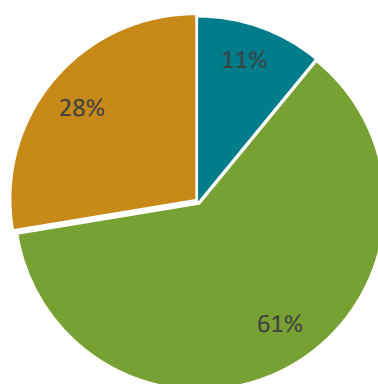
(Area in Donums)

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, 2019**

■ 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, 2019**

(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

**able 1.12: Number and area of working plant holdings by region in Al Ain Region, 2019**

(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, 2019**

(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

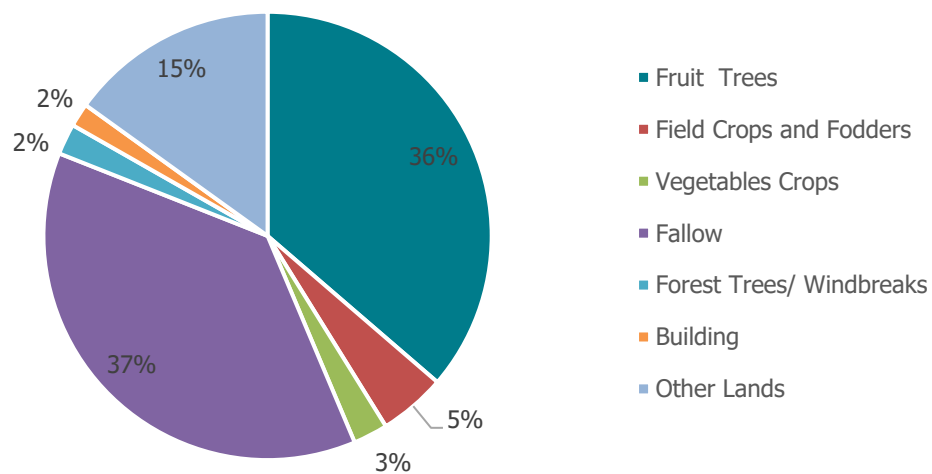
**Table 1.14: Area of plant holdings by land use and region, 2019**

(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>207,686.4</b>	<b>749,868.4</b>
Fruit Trees	23,175.0	145,779.0	103,368.0	272,322.0
Field Crops and Fodders	3,808.0	27,207.1	5,244.0	36,259.1
Vegetables Crops (opened field)	3,565.7	6,897.5	3,271.5	13,734.7
Vegetables Crops (under protective cover)	665.5	3,383.3	927.1	4,975.9
Fallow	30,792.1	181,092.3	68,219.1	280,103.5
Forest Trees/ 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
Other Lands	21,510.3	75,720.0	15,816.7	113,047.0

Source: Abu Dhabi Agriculture and Food Safety Authority

**Figure 1.5: Percentage distribution of agricultural area by land use, 2019**



Source: Statistics Centre - Abu Dhabi

### 1.3 Field crops

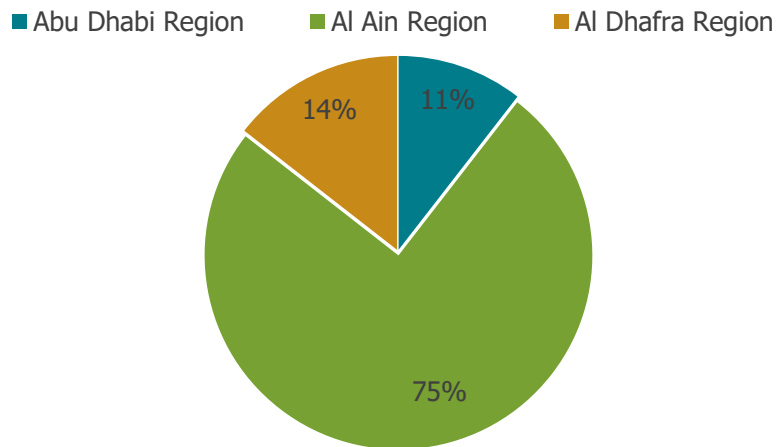
**Table 1.15: Crop area, quantity and value of production of field crops by region, 2019**

(Area in Donums, Quantity in Tons)

Region	Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>36,259</b>	<b>161,506</b>	<b>227,754</b>
Abu Dhabi Region	3,808	13,925	27,487
Al Ain Region	27,207	125,556	160,732
Al Dhafra Region	5,244	22,025	39,535

Source: Abu Dhabi Agriculture and Food Safety Authority

**Figure 1.6: Percentage distribution of cultivated area of field crops by region, 2019**



Source: Statistics Centre - Abu Dhabi

**Table 1.16: Crop area, quantity and value of production of field crops by type, 2019**

Type of crop	Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>36,259</b>	<b>161,506</b>	<b>227,754</b>
Rhodes grass	17,318	121,233	155,072
Alfalfa	11,507	23,016	34,175
Corn	4,157	7,432	18,805
Others	3,277	9,825	19,702

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, 2019**

Type of crop	Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>3,808</b>	<b>13,925</b>	<b>27,487</b>
Rhodes grass	1,293	9,053	15,330
Alfalfa	200	401	730
Corn	1,933	3,327	8,244
Others	382	1,144	3,183

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, 2019**

Type of crop	Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>27,207</b>	<b>125,556</b>	<b>160,732</b>
Rhodes grass	13,786	96,505	113,830
Alfalfa	9,226	18,453	25,713
Corn	1,735	3,221	8,287
Others	2,460	7,377	12,902

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, 2019**

Type of crop	Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>5,244</b>	<b>22,025</b>	<b>39,535</b>
Rhodes Grass	2,239	15,675	25,912
Alfalfa	2,081	4,162	7,732
Corn	489	884	2,274
Others	435	1,304	3,617

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, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>18,710.6</b>	<b>122,549.8</b>	<b>356,289.8</b>
Potato	325.4	813.3	1,773.6
Cabbage	2,062.2	12,326.5	17,157.1
Hot Pepper	193.2	339.2	1,502.1
Sweet Pepper	477.7	1,404.2	6,091.7
Marrow	1,882.4	4,277.3	15,687.9
Egg Plant	1,259.4	4,285.2	8,354.1
Cucumber	3,285.8	64,774.3	195,082.7
Tomato	2,593.4	20,245.5	59,016.6
Water Melon	131.7	395.2	912.3
Sweet Melon	292.2	1,022.7	2,674.6
Lettuce	333.6	285.9	1,233.1
Onion	1,495.4	4,492.7	9,869.1
Parsley	843.1	1,261.5	6,979.1
Beans	344.6	292.9	1,132.7
Beets	213.8	374.2	1,194.3
Carrot	66.0	115.5	360.1
Cauliflower	407.3	1,425.1	3,689.2
Pumpkin	436.8	1,201.5	6,222.4
Coriander	217.6	188.4	1,022.8
Mallow	148.9	51.0	243.5
Okra	206.9	124.2	658.2
Radish	102.5	191.2	1,020.4
Garden Rocket	85.3	153.2	929.4
Turnip	37.8	66.1	257.0
Broccoli	777.1	1,554.2	10,421.6
Others	490.5	888.8	2,804.2

Source: Abu Dhabi Agriculture and Food Safety Authority



**able 1.21: Crop area, quantity and value of production of vegetables by type of crop in Abu Dhabi Region, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>4,231.2</b>	<b>21,096.3</b>	<b>65,190.1</b>
Potato	29.2	72.9	159.6
Cabbage	342.4	2,054.4	2,836.3
Hot Pepper	29.1	42.8	196.0
Sweet Pepper	47.2	134.6	590.8
Marrow	431.8	971.6	3,590.9
Egg Plant	352.4	1,145.3	2,235.8
Cucumber	433.9	8,981.6	25,923.0
Tomato	428.9	3,330.3	9,831.0
Water Melon	71.1	213.3	491.6
Sweet Melon	81.6	285.7	747.3
Lettuce	12.1	11.2	54.5
Onion	206.5	619.5	1,359.6
Parsley	69.7	140.4	770.8
Beans	264.6	224.9	870.7
Beets	52.0	91.0	268.1
Carrot	11.4	20.0	54.3
Cauliflower	46.5	162.6	423.7
Pumpkin	207.7	571.2	3,031.2
Coriander	33.2	20.2	108.0
Mallow	31.7	13.5	64.8
Okra	8.0	4.8	25.3
Radish	16.7	29.3	156.1
Garden Rocket	31.8	35.1	228.7
Turnip	0.8	1.3	7.3
Broccoli	722.0	1,444.0	9,692.8
Others	268.9	474.8	1,471.9

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, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>10,280.8</b>	<b>74,885.0</b>	<b>225,667.2</b>
Potato	287.8	719.5	1,568.0
Cabbage	477.0	2,860.9	3,918.8
Hot Pepper	124.3	226.3	967.1
Sweet Pepper	283.4	831.6	3,420.0
Marrow	1,312.5	2,982.3	10,920.6
Egg Plant	560.5	1,876.5	3,658.8
Cucumber	2,288.3	46,196.1	141,497.0
Tomato	1,533.9	12,212.8	35,492.5
Water Melon	50.5	151.5	351.1
Sweet Melon	147.7	516.8	1,344.0
Lettuce	239.2	204.7	883.1
Onion	752.7	2,263.3	4,982.9
Parsley	715.4	1,033.2	5,734.4
Beans	63.8	54.3	209.0
Beets	131.8	230.6	795.5
Carrot	51.3	89.8	291.6
Cauliflower	282.8	989.6	2,553.8
Pumpkin	177.6	488.5	2,466.9
Coriander	169.9	152.9	818.2
Mallow	101.9	31.1	148.2
Okra	182.3	109.4	579.5
Radish	64.7	122.3	653.5
Garden Rocket	48.2	99.3	578.5
Turnip	36.5	63.9	246.3
Broccoli	54.1	108.2	715.4
Others	142.7	269.6	872.5

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, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>4,198.6</b>	<b>26,568.5</b>	<b>65,432.5</b>
Potato	8.4	20.9	46.0
Cabbage	1,242.8	7,411.2	10,402.0
Hot Pepper	39.8	70.1	339.0
Sweet Pepper	147.1	438.0	2,080.9
Marrow	138.1	323.4	1,176.4
Egg Plant	346.5	1,263.4	2,459.5
Cucumber	563.6	9,596.6	27,662.7
Tomato	630.6	4,702.4	13,693.1
Water Melon	10.1	30.4	69.6
Sweet Melon	62.9	220.2	583.3
Lettuce	82.3	70.0	295.5
Onion	536.2	1,609.9	3,526.6
Parsley	58.0	87.9	473.9
Beans	16.2	13.7	53.0
Beets	30.0	52.6	130.7
Carrot	3.3	5.7	14.2
Cauliflower	78.0	272.9	711.7
Pumpkin	51.5	141.8	724.3
Coriander	14.5	15.3	96.6
Mallow	15.3	6.4	30.5
Okra	16.6	10.0	53.4
Radish	21.1	39.6	210.8
Garden Rocket	5.3	18.8	122.2
Turnip	0.5	0.9	3.4
Broccoli	1.0	2.0	13.4
Others	78.9	144.4	459.8

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, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>13,734.7</b>	<b>44,125.1</b>	<b>118,604.3</b>
Potato	325.4	813.3	1,773.6
Cabbage	2,051.7	12,310.7	17,109.4
Hot Pepper	115.2	144.1	699.5
Sweet Pepper	114.2	313.7	1,492.9
Marrow	1,863.6	4,193.0	15,457.4
Egg Plant	1,222.8	3,974.0	7,750.9
Cucumber	173.4	347.0	1,106.9
Tomato	1,360.3	8,161.6	22,599.4
Water Melon	131.7	395.2	912.3
Sweet Melon	292.2	1,022.7	2,674.6
Lettuce	318.9	271.1	1,153.9
Onion	1,483.7	4,451.4	9,774.1
Parsley	821.4	1,222.4	6,766.4
Beans	344.6	292.9	1,132.7
Beets	213.8	374.2	1,194.3
Carrot	66.0	115.5	360.1
Cauliflower	407.3	1,425.1	3,689.2
Pumpkin	432.6	1,189.8	6,161.1
Coriander	216.5	185.4	1,006.8
Mallow	148.2	50.4	240.0
Okra	206.9	124.2	658.2
Radish	101.0	188.2	1,004.4
Garden Rocket	44.2	79.7	520.6
Turnip	36.8	64.3	249.2
Broccoli	777.1	1,554.2	10,421.6
Others	465.2	861.0	2,694.8

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, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>3,565.7</b>	<b>10,081.4</b>	<b>33,094.6</b>
Potato	29.2	72.9	159.6
Cabbage	342.4	2,054.4	2,836.3
Hot Pepper	24.0	30.1	146.7
Sweet Pepper	27.7	76.1	362.2
Marrow	431.8	971.6	3,590.9
Egg Plant	352.4	1,145.3	2,235.8
Cucumber	0.0	0.0	0.0
Tomato	229.7	1,377.9	3,989.3
Water Melon	71.1	213.3	491.6
Sweet Melon	81.6	285.7	747.3
Lettuce	6.6	5.6	23.9
Onion	206.5	619.5	1,359.6
Parsley	69.7	140.4	770.8
Beans	264.6	224.9	870.7
Beets	52.0	91.0	268.1
Carrot	11.4	20.0	54.3
Cauliflower	46.5	162.6	423.7
Pumpkin	207.7	571.2	3,031.2
Coriander	32.1	17.2	92.0
Mallow	31.0	12.9	61.3
Okra	8.0	4.8	25.3
Radish	16.7	29.3	156.1
Garden Rocket	31.3	34.6	225.9
Turnip	0.8	1.3	7.3
Broccoli	722.0	1,444.0	9,692.8
Others	268.9	474.8	1,471.9

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, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>6,897.5</b>	<b>19,992.4</b>	<b>57,346.7</b>
Potato	287.8	719.5	1,568.0
Cabbage	476.7	2,860.5	3,918.8
Hot Pepper	67.7	84.7	410.6
Sweet Pepper	73.5	202.0	961.2
Marrow	1,299.4	2,923.5	10,758.2
Egg Plant	550.0	1,787.5	3,485.1
Cucumber	62.7	125.5	402.1
Tomato	741.9	4,451.6	12,263.5
Water Melon	50.5	151.5	351.1
Sweet Melon	147.7	516.8	1,344.0
Lettuce	230.1	195.6	835.0
Onion	742.9	2,228.8	4,903.5
Parsley	715.4	1,033.2	5,734.4
Beans	63.8	54.3	209.0
Beets	131.8	230.6	795.5
Carrot	51.3	89.8	291.6
Cauliflower	282.8	989.6	2,553.8
Pumpkin	174.0	478.5	2,414.4
Coriander	169.9	152.9	818.2
Mallow	101.9	31.1	148.2
Okra	182.3	109.4	579.5
Radish	64.7	122.3	653.5
Garden Rocket	7.6	26.3	172.5
Turnip	35.5	62.1	238.5
Broccoli	54.1	108.2	715.4
Others	131.5	256.6	821.1

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, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>3,271.5</b>	<b>14,051.3</b>	<b>28,163.0</b>
Potato	8.4	20.9	46.0
Cabbage	1,232.6	7,395.8	10,354.3
Hot Pepper	23.5	29.3	142.2
Sweet Pepper	13.0	35.6	169.5
Marrow	132.4	297.9	1,108.3
Egg Plant	320.4	1,041.2	2,030.0
Cucumber	110.7	221.5	704.8
Tomato	388.7	2,332.1	6,346.6
Water Melon	10.1	30.4	69.6
Sweet Melon	62.9	220.2	583.3
Lettuce	82.2	69.9	295.0
Onion	534.3	1,603.1	3,511.0
Parsley	36.3	48.8	261.2
Beans	16.2	13.7	53.0
Beets	30.0	52.6	130.7
Carrot	3.3	5.7	14.2
Cauliflower	78.0	272.9	711.7
Pumpkin	50.9	140.1	715.5
Coriander	14.5	15.3	96.6
Mallow	15.3	6.4	30.5
Okra	16.6	10.0	53.4
Radish	19.6	36.6	194.8
Garden Rocket	5.3	18.8	122.2
Turnip	0.5	0.9	3.4
Broccoli	1.0	2.0	13.4
Others	64.8	129.6	401.8

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, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>4,975.9</b>	<b>78,424.7</b>	<b>237,685.5</b>
Potato	0.0	0.0	0.0
Cabbage	10.5	15.8	47.7
Hot Pepper	78.0	195.1	802.6
Sweet Pepper	363.5	1,090.5	4,598.8
Marrow	18.8	84.3	230.5
Egg Plant	36.6	311.2	603.2
Cucumber	3,112.4	64,427.3	193,975.8
Tomato	1,233.1	12,083.9	36,417.2
Water Melon	0.0	0.0	0.0
Sweet Melon	0.0	0.0	0.0
Lettuce	14.7	14.8	79.2
Onion	11.7	41.3	95.0
Parsley	21.7	39.1	212.7
Beans	0.0	0.0	0.0
Beets	0.0	0.0	0.0
Carrot	0.0	0.0	0.0
Cauliflower	0.0	0.0	0.0
Pumpkin	4.2	11.7	61.3
Coriander	1.1	3.0	16.0
Mallow	0.7	0.6	3.5
Okra	0.0	0.0	0.0
Radish	1.5	3.0	16.0
Garden Rocket	41.1	73.5	408.8
Turnip	1.0	1.8	7.8
Broccoli	0.0	0.0	0.0
Others	25.3	27.8	109.4

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, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>665.5</b>	<b>11,014.9</b>	<b>32,095.5</b>
Potato	0.0	0.0	0.0
Cabbage	0.0	0.0	0.0
Hot Pepper	5.1	12.7	49.3
Sweet Pepper	19.5	58.5	228.6
Marrow	0.0	0.0	0.0
Egg Plant	0.0	0.0	0.0
Cucumber	433.9	8,981.6	25,923.0
Tomato	199.2	1,952.4	5,841.7
Water Melon	0.0	0.0	0.0
Sweet Melon	0.0	0.0	0.0
Lettuce	5.5	5.6	30.6
Onion	0.0	0.0	0.0
Parsley	0.0	0.0	0.0
Beans	0.0	0.0	0.0
Beets	0.0	0.0	0.0
Carrot	0.0	0.0	0.0
Cauliflower	0.0	0.0	0.0
Pumpkin	0.0	0.0	0.0
Coriander	1.1	3.0	16.0
Mallow	0.7	0.6	3.5
Okra	0.0	0.0	0.0
Radish	0.0	0.0	0.0
Garden Rocket	0.5	0.5	2.8
Turnip	0.0	0.0	0.0
Broccoli	0.0	0.0	0.0
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, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>3,383.3</b>	<b>54,892.6</b>	<b>168,320.5</b>
Potato	0.0	0.0	0.0
Cabbage	0.3	0.4	0.0
Hot Pepper	56.6	141.6	556.5
Sweet Pepper	209.9	629.6	2,458.8
Marrow	13.1	58.8	162.4
Egg Plant	10.5	89.0	173.7
Cucumber	2,225.6	46,070.6	141,094.9
Tomato	792.0	7,761.2	23,229.0
Water Melon	0.0	0.0	0.0
Sweet Melon	0.0	0.0	0.0
Lettuce	9.1	9.1	48.1
Onion	9.8	34.5	79.4
Parsley	0.0	0.0	0.0
Beans	0.0	0.0	0.0
Beets	0.0	0.0	0.0
Carrot	0.0	0.0	0.0
Cauliflower	0.0	0.0	0.0
Pumpkin	3.6	10.0	52.5
Coriander	0.0	0.0	0.0
Mallow	0.0	0.0	0.0
Okra	0.0	0.0	0.0
Radish	0.0	0.0	0.0
Garden Rocket	40.6	73.0	406.0
Turnip	1.0	1.8	7.8
Broccoli	0.0	0.0	0.0
Others	11.2	13.0	51.4

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, 2019**

Type of crop	Crop Area (Donum)	Quantity (Ton)	Value (1000 AED)
<b>Total</b>	<b>927.1</b>	<b>12,517.2</b>	<b>37,269.5</b>
Potato	0.0	0.0	0.0
Cabbage	10.2	15.4	47.7
Hot Pepper	16.3	40.8	196.8
Sweet Pepper	134.1	402.4	1,911.4
Marrow	5.7	25.5	68.1
Egg Plant	26.1	222.2	429.5
Cucumber	452.9	9,375.1	26,957.9
Tomato	241.9	2,370.3	7,346.5
Water Melon	0.0	0.0	0.0
Sweet Melon	0.0	0.0	0.0
Lettuce	0.1	0.1	0.5
Onion	1.9	6.8	15.6
Parsley	21.7	39.1	212.7
Beans	0.0	0.0	0.0
Beets	0.0	0.0	0.0
Carrot	0.0	0.0	0.0
Cauliflower	0.0	0.0	0.0
Pumpkin	0.6	1.7	8.8
Coriander	0.0	0.0	0.0
Mallow	0.0	0.0	0.0
Okra	0.0	0.0	0.0
Radish	1.5	3.0	16.0
Garden Rocket	0.0	0.0	0.0
Turnip	0.0	0.0	0.0
Broccoli	0.0	0.0	0.0
Others	14.1	14.8	58.0

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, 2019**

(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, 2019**

(Area in Donums)

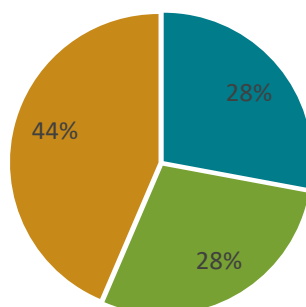
Type of crop	Total		Abu Dhabi Region		Al Ain Region		Al Dhafra Region	
	Number	Area	Number	Area	Number	Area	Number	Area
<b>Total</b>	<b>1,154,739</b>	<b>16,701</b>	<b>358,245</b>	<b>4,664</b>	<b>403,374</b>	<b>4,762</b>	<b>393,120</b>	<b>7,275</b>
Damas	384,455	3,679	112,820	1,010	167,703	1,509	103,932	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, 2019**

■ 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, 2017 to 2019 \***

(Quantity: tons, Value: 1000 AED)

Region	Item	2017	2018	2019
<b>Total</b>	<b>Quantity</b>	<b>242,425</b>	<b>245,027</b>	<b>247,726</b>
	<b>Value</b>	<b>1,350,793</b>	<b>1,460,414</b>	<b>1,687,290</b>
Abu Dhabi Region	Quantity	10,554	10,667	9,401
	Value	47,080	50,605	53,100
Al Ain Region	Quantity	146,605	148,179	151,421
	Value	848,153	902,114	1,055,535
Al Dhafra Region	Quantity	85,266	86,181	86,904
	Value	455,560	507,695	578,655

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, 2017 to 2019**  
(Quantity: tons, Value: 1000 AED)

Region	Item	2017	2018	2019
<b>Total</b>	<b>Quantity</b>	<b>89,938</b>	<b>81,314</b>	<b>87,919</b>
	<b>Value</b>	<b>489,689</b>	<b>482,586</b>	<b>600,244</b>
Abu Dhabi Region	Quantity	5,464	2,180	1,983
	Value	24,376	10,342	11,201
Al Ain Region	Quantity	52,869	48,351	53,898
	Value	282,469	284,837	375,718
Al Dhafra Region	Quantity	31,605	30,783	32,038
	Value	182,844	187,407	213,325

Source: Al Foah Company

## 1.6 Irrigated areas

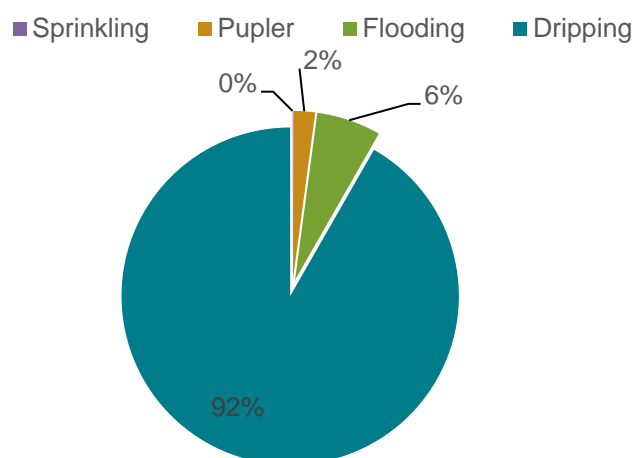
**Table 1.36: Irrigated areas by type of irrigation system and region, 2019**

(Area in Donums)

Region	Irrigation system				Total
	Dripping	Flooding	Pupler	Sprinkling	
<b>Total</b>	<b>316,854</b>	<b>19,834</b>	<b>7,190</b>	<b>115</b>	<b>343,993</b>
Abu Dhabi Region	34,538	1,340	0	0	35,878
Al Ain Region	163,592	17,285	7,056	96	188,029
Al Dhafra Region	118,724	1,209	134	19	120,086

Source: Abu Dhabi Agriculture and Food Safety Authority

**Figure 1.8: Percentage distributions of irrigated areas by type of irrigation system, 2019**



Source: Statistics Centre - Abu Dhabi

**Table 1.37: Irrigated areas by type of irrigation system and region in Abu Dhabi Region, 2019**

(Area in Donums)

Region	Irrigation system				Total
	Dripping	Flooding	Pupler	Sprinkling	
<b>Total</b>	<b>34,538</b>	<b>1,340</b>	<b>0</b>	<b>0</b>	<b>35,878</b>
Al Rahba	23,333	44	0	0	23,377
Al Khatim	11,205	1,296	0	0	12,501

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.38: Irrigated areas by type of irrigation system and region in Al Ain Region, 2019**

(Area in Donums)

Region	Irrigation system				Total
	Dripping	Flooding	Pupler	Sprinkling	
<b>Total</b>	<b>163,592</b>	<b>17,285</b>	<b>7,056</b>	<b>96</b>	<b>188,029</b>
Abu Kreyah	10,615	26	0	0	10,641
Al Khazna	7,254	178	113	0	7,545
Al Damtha	4,859	1,125	0	0	5,984
Al Saad	1,800	431	130	15	2,376
Al Salamat	8,286	79	0	0	8,365
Al Shewaib	2,347	738	0	0	3,085
Al Dhahra	9,672	49	0	14	9,735
Al Arad	15,567	520	14	0	16,101
Al Oya	8,465	1,531	0	0	9,996
Seih Bin Ammar	8,834	6,198	439	52	15,523
Al Fagah	2,686	17	0	0	2,703
Al Qattara	3,871	1,818	0	0	5,689
Al Quaa	3,285	601	0	0	3,886
Al Hayer	6,232	256	711	2	7,201
Al Wagan	5,699	1,427	0	2	7,128
Al Yahar	706	290	21	0	1,017
Um Ghafa	684	2	1,129	0	1,815
Beda Fares	14,155	45	525	0	14,725
Remah	7,148	573	3,725	11	11,457
Sweihaan	5,736	773	217	0	6,726
Seih Herez	11,714	86	32	0	11,832
Seraa	7,535	39	0	0	7,574
Gumodh	7,356	69	0	0	7,425
Masakin	3,180	306	0	0	3,486
Naahal	5,906	108	0	0	6,014

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.39: Irrigated areas by type of irrigation system and region in Al Dhafra Region, 2019**

(Area in Donums)

Region	Irrigation system				Total
	Dripping	Flooding	Pupler	Sprinkling	
<b>Total</b>	<b>118,724</b>	<b>1,209</b>	<b>134</b>	<b>19</b>	<b>120,086</b>
Al Tharwaniya	21,873	22	54	18	21,967
Al Silaa	937	0	0	0	937
Al Dhafra	748	0	0	0	748
Al Mirfaa	543	0	0	0	543
Um Al Hesn	10,401	28	0	0	10,429
Hassan	19,432	314	0	0	19,746
Hamim	9,562	42	0	0	9,604
Delma	733	29	0	0	762
Seih Al Khair	16,690	0	0	1	16,691
Ghayathi	9,133	22	0	0	9,155
Madinat Zayed	5,583	595	0	0	6,178
Muzairaa	23,089	157	80	0	23,326

Source: Abu Dhabi Agriculture and Food Safety Authority

## 1.7 Agricultural producer price index.

**Table 1.40: Agricultural producer price index , 2019**

(2018 = 100)

Type of Crop	2019
<b>All Products</b>	<b>79.1</b>
Tomato	85
Sweet Pepper	58.4
Hot Pepper	81.3
Cucumber	77.8
Marrow	70.7
Water Melon	75.7
Sweet Melon	–
Onion	76.4
Beans	89.2
Eggplant	59.5
Cauliflower	78.9
Cabbage	108.9
Lettuce	56.3
Pumpkin	81.2
Coriander	56.6
Beets	77.3
Parsley	60.3
Potato	89.4
Corn	82.3
Radish	98.7
Carrot	–
Okra	58.8

Source: Statistics Centre - Abu Dhabi

## 1.8 Wells

**Table 1.41: Number of agricultural wells by region, 2019**

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, 2019**

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, 2019**

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, 2019**

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, 2017 to 2019**

(Area in Donums)

Region	Item	2017	2018	2019
<b>Total</b>	Number	<b>15,340</b>	<b>18,269</b>	<b>17,866</b>
	Area	<b>5,118</b>	<b>6,164</b>	<b>5,891</b>
Abu Dhabi Region	Number	2,130	2,070	2,118
	Area	611	690	700
Al Ain Region	Number	9,394	12,056	12,145
	Area	2,939	3,983	4,008
Al Dhafra Region	Number	3,816	4,143	3,603
	Area	1,568	1,491	1,183

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.46: Number and area of Green house by region in Abu Dhabi Region, 2019**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>2,118</b>	<b>700</b>
Al Khatim	707	232
Al Rahba	1,411	468

Source: Abu Dhabi Agriculture and Food Safety Authority

**Table 1.47: Number and area of Green house by region in Al Ain Region, 2019**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>12,145</b>	<b>4,008</b>
Abu Kreyah	1,029	340
Al Khazna	227	75
Al Arad	777	256
Al Damtha	1,461	482
Al Dhahra	990	327
Al Fagah	410	135
Al Hayer	1,881	621
Al Oya	0	0
Al Qattara	286	94
Al Saad	107	35
Al Salamat	346	115
Al Shewaib	303	100
Al Wagan	25	8
Al Yahar	45	14
Beda Fares	408	135
Gumodh	526	174
Masakin	40	13
naahal	386	127
Remah	732	242
Seih Bin Ammar	741	245
Seih Herez	1,116	368
Seraa	0	0
Sweihan	275	91
Um Ghafa	34	11
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, 2019**

(Area in Donums)

Region	Number	Area
<b>Total</b>	<b>3,603</b>	<b>1,183</b>
Al Dhafra	0	0
Al Mirfaa	0	0
Al Silaa	8	3
Al Tharwaniya	628	207
Delma	10	3
Ghayathi	92	30
Hamim	159	46
Hassan	227	75
Madinat Zayed	87	29
Muzairaa	606	200
Seih Al Khair	1,734	573
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, 2017 to 2019**

(Quantity in liter)

Region	2017	2018	2019
<b>Total</b>	<b>15,522</b>	<b>16,377</b>	<b>25,519</b>
Abu Dhabi Region	438	784	2,080
Al Ain Region	9,287	9,264	12,653
Al Dhafra Region	5,797	6,329	10,786

Source: Abu Dhabi Agriculture and Food Safety Authority

## 2. Foreign Trade In Agricultural Commodities

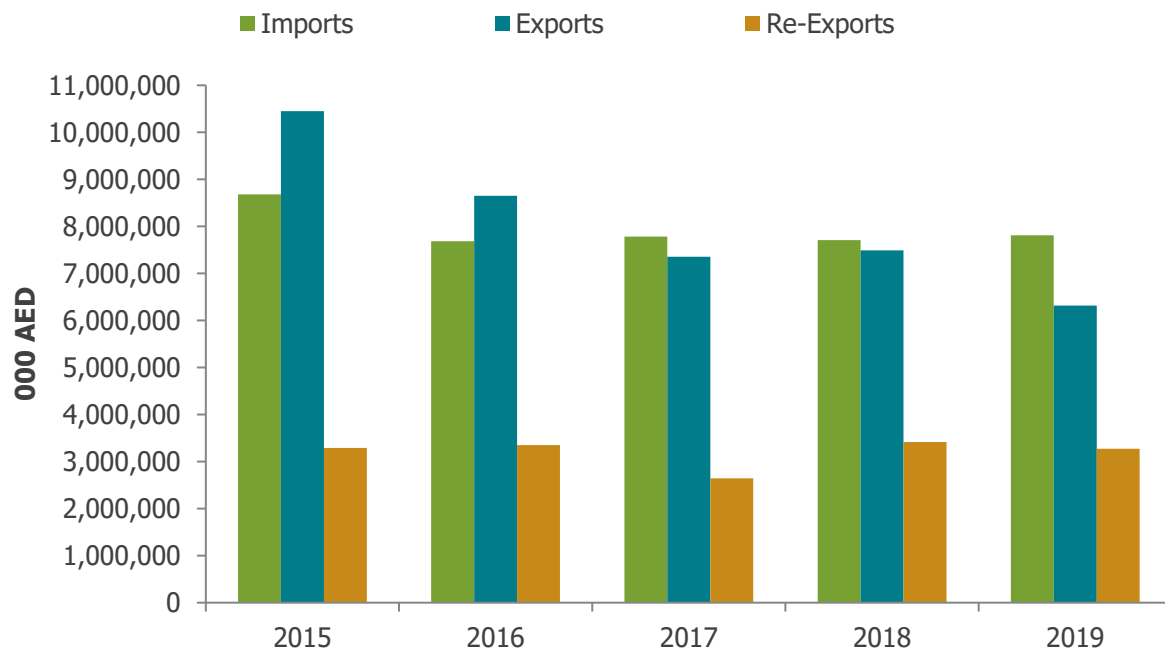
**Table 2.1:** Value of agricultural commodities imported, exported, re-exported through the Ports of the Emirate of Abu Dhabi, 2015 to 2019

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
2019	7,812,293	6,317,783	3,272,185

Source: Statistics Centre - Abu Dhabi

**Table 2.1:** Value of agricultural commodities imported, exported, re-exported through the Ports of the Emirate of Abu Dhabi, 2015 to 2019



Source: Statistics Centre - Abu Dhabi

**Table 2.2: Value of Emirate of Abu Dhabi imports of agricultural goods and foods, 2016 to 2019**

( Value: 000 AED)

Description	2016	2017	2018	2019
<b>Total</b>	<b>7,685,103</b>	<b>7,782,250</b>	<b>7,709,138</b>	<b>7,812,293</b>
Live animals and their products	2,902,101	3,067,774	2,854,709	2,744,439
Vegetable products	2,121,719	2,129,972	2,389,376	2,678,899
Animals or vegetable fats, oils and waxes	445,529	419,620	336,586	311,370
Foodstuffs, beverages, spirits and tobacco	2,142,943	2,098,527	2,057,899	2,003,141
Fertilizers	57,085	54,303	60,909	64,668
Pesticides and rodents, fungi, weeds	15,726	12,054	9,659	9,776

Source: Statistics Centre - Abu Dhabi

**Table 2.3: Value of Emirate of Abu Dhabi of exports of agricultural goods and food, 2016 to 2019**

( Value: 000 AED)

Description	2016	2017	2018	2019
<b>Total</b>	<b>8,651,218</b>	<b>7,353,615</b>	<b>7,491,182</b>	<b>6,317,783</b>
Live animals and their products	1,813,086	1,838,072	2,390,347	1,813,131
Vegetable products	1,664,336	994,264	623,163	640,053
Animals or vegetable fats, oils and waxes	746,395	564,309	568,618	378,470
Foodstuffs, beverages, spirits and tobacco	4,186,701	3,832,000	3,759,035	3,367,773
Fertilizers	63,030	49,678	49,859	44,334
Pesticides and rodents, fungi, weeds	177,670	75,292	100,160	74,022

Source: Statistics Centre - Abu Dhabi

**Table 2.4: Value of re-exports of agricultural goods and foods through the ports of the Emirate of Abu Dhabi, 2016 to 2019**

( Value: 000 AED)

Description	2016	2017	2018	2019
<b>Total</b>	<b>3,350,317</b>	<b>2,644,071</b>	<b>3,416,999</b>	<b>3,272,185</b>
Live animals and their products	303,474	263,089	343,743	436,967
Vegetable products	1,528,519	1,266,546	2,025,700	1,831,919
Animals or vegetable fats, oils and waxes	14,004	13,833	10,071	7,900
Foodstuffs, beverages, spirits and tobacco	1,494,636	1,094,241	1,033,843	990,577
Fertilizers	3,345	1,806	2,051	3,278
Pesticides and rodents, fungi, weeds	6,339	4,556	1,591	1,544

Source: Statistics Centre - Abu Dhabi

**Table 2.5: Quantity of imports, exports and re-exports of agricultural fertilizers through the ports of the Emirate of Abu Dhabi, 2015 to 2019**

(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
2019	39,125	17,451	1,472

Source: Statistics Centre - Abu Dhabi

**Table 2.6: Value of imports, exports and re-exports of agricultural fertilizers through the ports of the Emirate of Abu Dhabi, 2015 to 2019**

( 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
2019	64,668	44,334	3,278

Source: Statistics Centre - Abu Dhabi

## Agricultural Statistics Methodology

The statistics Centre – Abu Dhabi (SCAD) was covetous to follow the latest statistical methodologies in data collection and processing and in estimating indicators related to Agricultural Statistics.

### 1. Overview

The Agricultural Statistics publication contains detailed data on plant agricultural activities, which contribute to the diversification of income sources, boost food security, generate employment opportunities and partially cover of the needs of families as part of the secondary activities of households. This subsector is increasingly adopting modern production techniques, gaining further significance as contributor to the national income. The publication presents detailed statistics on the composition of plant agricultural activities.

### 2. Importance

Agricultural statistics data support scientific research in the agricultural sector, help policy and decision makers develop future plans for the advancement of the agriculture sector and promote the concept of food security.

### 3. Objectives

Plant agricultural statistics aim to provide data on agricultural holdings and land uses, detailed data on agricultural crops and dates, in addition to data on forests, irrigated areas, greenhouses and agricultural pesticides, distributed by regions of the emirate. Agricultural statistics also provide data on foreign trade statistics in agricultural and other related goods.

### 4. Concepts and Definitions

The Dictionary of Terminology used by Statistics Center Abu Dhabi, published on the SCAD's website, provides a list of the terms and concepts used in agricultural statistics, giving definitions of the terms and their international reference source. The dictionary can be accessed through the link below:

<https://www.scad.gov.ae/ar/pages/ManualClassification.aspx>

SCAD Glossary

### 5. Coverage

- Geographical coverage of agricultural statistics:
  1. Abu Dhabi
  2. Al Ain
  3. Al-Dhafra
- agricultural statistical units:
  1. Plant holdings (Farm).

## 6. Periodicity

Annual

## 7. Classifications

The classification of agricultural data use's FAO's internationally endorsed and classifications set out in the guidelines of the World Programme for the Census of Agriculture 2020.

## 8. Main Data Source

Administrative records of the following entities:

1. Abu Dhabi Agriculture and Food Safety Authority
2. Environment Authority Abu Dhabi
3. Department of Municipalities and Transport / Abu Dhabi Municipality
4. Department of Municipalities and Transport / Al Ain Municipality
5. Department of Municipalities and Transport / Al-Dhafra Municipality

## 9. Data Collection

Agricultural Statistics data from data providers are collected using e-mail, electronic links and official letters.

## 10. Data Auditing

1. Checking the data by applying the matching rules between linked tables.
2. Ascertaining completeness and coverage of all required table data.
3. Checking and correcting the data for any errors, discrepancies or outlying vales.
4. Imputation for missing values and anomalous values.
5. Comparison of the data with statistics of previous cycles (time series data).
6. Comparison of the statistical figures produced with other relevant data (internal and external if available).
7. Elimination of any conflicting figures in the statistics produced.

## 11. Indicators Calculation

Statistical outputs are compiled using mathematical formulas or aggregations and reclassification of input data prior to publication. In the processing of missing values are imputed, data harmony and consistency is ascertained, the relative and absolute difference between the variable value sourced from administrative records of the current period and its value in previous periods is measured, adjustment is carried out for any errors. Output tables are then prepared and categorized by topic within agricultural statistics publication.

## 12. Timelines

- Current release: October 2020 for 2019 data
- Next release: October 2021 for 2020 data

## 13. Dissemination

The data is published in the form of statistical tables or uploaded versions on the website.

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

### 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 2021 for 2020 data.



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