

1. AGRICULTURE

1.01 Agricultural Production on Grand Cayman

Crop	Units	1991 ¹	1994	1995	1997	1998	1999	2000 ⁴
Avocados	('000 lbs.)	29.0	13.9	20.6	8.1	8.0	27.1	30.8
Bananas	('000 lbs.)	589.0	422.3	570.0	678.6	N/A	N/A	N/A
Breadfruit	('000 lbs.)	...	13.7	35.7	4.6	17.3	15.4	12.8
Cassava	('000 lbs.)	157.0	28.0	19.6	26.1	34.27	30.7	21.9
Coconuts	('000 lbs)	4	0.6	-	-	-
Citrus	('000s)	44.0	102.1	148.0	116.7	432.7	355.1	545.1
Eggs	('000 doz.)	17.0	7.8	0.2	...	-	-	-
Honey	('000 lbs.)	18	5.4	0.4	...	0.8	0.8	1.3
Leafy Veggies. ²	('000 lbs.)	26.0	35.2	41.9	38.1	41.2	58.2	61.1
Mangoes	('000 lbs.)	64.0	73.0	48.8	64.1	78.5	109.1	184.4
Papaya	('000 lbs.)	13.0	31.3	14.5	9.5	12.2	15.5	21.6
Plantains	('000 lbs.)	502.0	91.0	105.2	22.2	61.0	52.6	46.3
Pumpkins	('000 lbs.)	39.0	123.1	143.0	67	121.9	75.7	96.2
Sweet Potatoes	('000 lbs.)	5.0	4.4	15.0	5.2	10.1	5.8	5.7
Tomatoes	('000 lbs.)	40.0	10.4	15.0	8.6	30.3	25.7	16.8
Melons	('000 lbs.)	3.0	21.1	5.5	9.2	11.7	17.4	17.4
Yams ³	('000 lbs.)	566.0	73.2	44.8	4.3	20.2	39.5	38.6

NOTES

¹ Agricultural baseline study plus estimates.

² Calaloo and Patchoi.

³ Includes Cayman Brac from 1991.

⁴ **More recent data was not available at the time of publication**

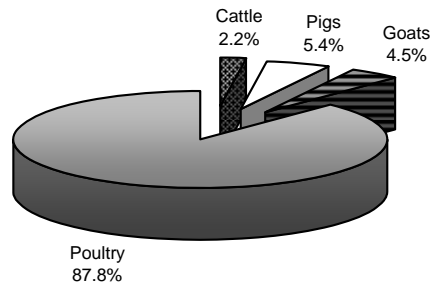
Source: Department of Agriculture

1.02 Livestock in Grand Cayman

Mid-Year Counts For:	1991 ¹	1992	1993	1994 ⁴
Cattle	1,453	1,338	128	1,664
Pigs	566	388	310	483
Goats	105	269	256	430
Poultry ('000)	2.4 ²	5.0	5.0	... ³

NOTES

- ¹ Agricultural Baseline Study .
- ² Northward Prison plus Baseline Study.
- ³ There are no reliable estimates of poultry since the largest flock, which comprised 90% of the poultry population, was depopulated following an outbreak of disease.
- ⁴ **More recent data was not available at the time of publication.**

Chart 1.01 : Livestock Proportions in Grand Cayman, 1993


Source: Department of Agriculture

5. ENVIRONMENT

5.01

Weather Synopsis

	1998	1999	2000	2001	2002	2003	2004	2005
Highest daily								
temperature - deg. F	93.0	93.0	93.8	94.0	93.0	93.2	94.5	92.9
- Date	7th Jun.	16th Aug.	24th Jun.	4th Jul. 13th Aug. 19th Sept.	30th Jun. 10th Jul. 14th Sept.	11th Aug.	3rd Aug.	11th Sep
Lowest daily								
temperature - deg. F	67.0	63.0	59.0	63.0	67.7	68.0	62.3	62.2
- Date	10th Feb. 26th Dec.	28th Feb. 29th Dec.	20th Jan. 11th Feb.	7th Jan.	17th Feb.	10th Jan. 22nd Jan.	4th April	22nd Jan
Annual average								
temperature - deg. F	82.5	81.8	81.6	82.5	83.2	83.2	83.0	82.4
Total								
precipitation - inches	62.3	79.8	45.7	59.8	55.6	68.6	51.91	71.64
Most rain in 24 hour								
period - inches	4.5	6.0	4.9	5.6	6.9	9.5	12.1	7.4
- Month	Feb.	Jul.	Dec.	May	Sep.	Jan.	Sept.	Nov.
- Day	2nd	31st	2nd	14th	19th	18th	12th	17th
Number of days:								
- rain ¹	153	180	161	148	179	178	142	160
- clear	45	28	39	12	20	18	12	11
- partly cloudy	268	265	242	247	251	249	266	199
- cloudy	52	72	85	106	92	98	85	155

¹ At least 0.01 inches of rain

Source: Meteorological Department, Cayman Islands Airport Authority

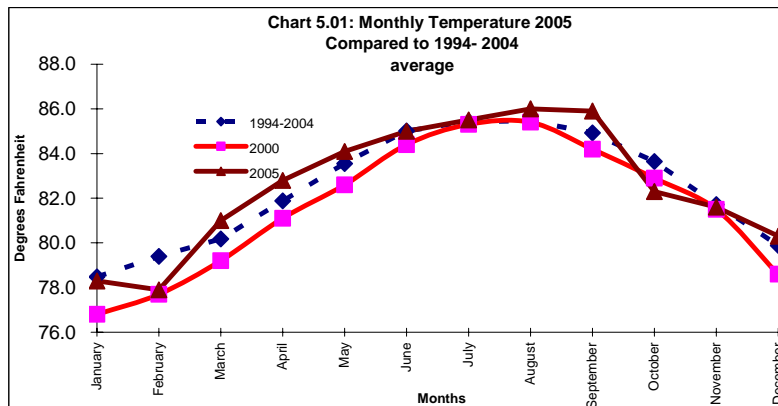
5.02

Temperature

	<i>Degrees Fahrenheit</i>											
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
January	<u>79.5</u>	<u>78.6</u>	78.0	<u>78.7</u>	79.9	79.7	<u>76.8</u>	<u>76.1</u>	<u>79.6</u>	<u>77.6</u>	<u>78.8</u>	78.3
February	80.4	<u>78.6</u>	<u>77.5</u>	80.2	79.0	<u>77.9</u>	77.7	80.0	80.1	81.4	80.5	<u>77.9</u>
March	80.4	80.0	78.6	80.6	<u>78.8</u>	79.5	79.2	79.8	81.7	82.8	80.5	81.0
April	81.9	83.0	81.8	82.0	80.8	82.4	81.1	81.7	82.4	82.4	81.2	82.8
May	83.5	85.1	82.5	84.0	83.3	83.5	82.6	82.5	83.9	85.0	83.2	84.1
June	85.4	84.0	85.1	84.9	85.3	84.7	84.4	86.0	85.0	84.4	85.9	85.0
July	84.7	85.8	84.9	85.6	85.2	84.4	85.3	86.1	86.5	85.9	85.3	85.5
August	85.2	84.7	84.4	84.7	85.9	85.3	85.4	86.7	85.7	86.0	86.0	86.0
September	83.7	85.6	84.5	84.5	85.6	84.3	84.2	86.0	84.6	85.3	85.9	85.9
October	83.9	83.1	83.0	82.6	83.4	82.5	82.9	84.0	84.2	84.6	85.9	82.3
November	82.3	82.2	81.0	81.8	82.2	79.3	81.5	80.0	83.0	83.0	82.6	81.6
December	80.3	80.2	78.5	80.4	80.5	78.0	78.6	80.7	81.2	80.0	80.3	80.3
Annual Avg.	82.6	82.6	81.7	82.5	82.5	81.8	81.6	82.5	83.2	83.2	83.0	82.6

Notes

Lowest monthly values are underlined and highest values are boldfaced.



Source: Meteorological Department, Cayman Islands Airport Authority

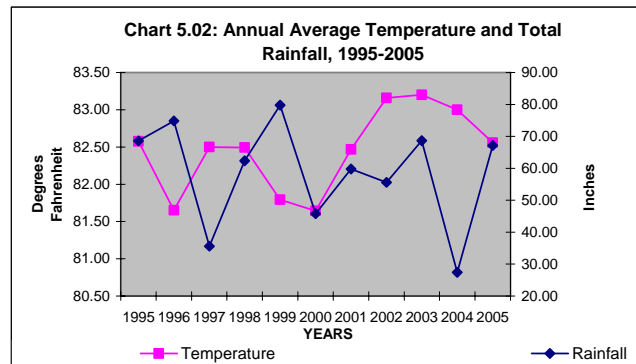
5.03

Rainfall

	<i>Inches</i>										
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004*	2005
GEORGE TOWN											
January	2.65	1.73	<u>0.01</u>	<u>0.69</u>	2.65	3.24	4.70	1.20	8.46	0.94	-
February	0.75	1.69	1.29	4.85	2.33	0.29	1.12	0.59	0.35	0.16	-
March	1.20	2.63	1.08	1.93	0.53	<u>0.00</u>	0.48	0.51	<u>0.24</u>	1.50	0.69
April	<u>0.39</u>	<u>0.31</u>	0.33	1.19	0.99	3.24	1.40	<u>0.10</u>	0.75	-	0.31
May	2.75	8.08	3.77	4.17	7.59	2.76	7.15	14.74	8.43	3.74	2.99
June	17.51	7.24	6.71	5.37	3.51	2.89	<u>0.10</u>	1.02	13.23	1.46	12.20
July	7.89	5.16	2.35	4.48	11.96	2.47	3.33	3.72	4.69	7.20	12.60
August	7.20	5.04	3.58	6.49	5.54	4.09	6.87	7.80	2.80	12.40	8.74
September	8.14	5.40	6.87	5.13	9.84	9.26	2.63	15.59	14.41	-	5.63
October	13.73	12.77	3.56	22.06	14.82	3.07	23.05	3.58	11.10	-	12.50
November	1.73	22.65	5.44	3.15	19.83	1.76	8.53	3.90	2.40	-	9.25
December	4.65	2.10	0.62	2.80	<u>0.20</u>	12.67	0.39	2.83	1.77	-	2.20
Monthly Average	5.72	6.23	2.97	5.19	6.65	3.81	4.98	4.63	5.72	-	5.59
Annual Total	68.59	74.80	35.61	62.31	79.79	45.74	59.75	55.59	68.62	27.40	67.11
BODDEN TOWN	38.02	87.55	54.96	117.20	98.90	56.56	52.13	56.24	61.30	34.17	68.40
WEST BAY	25.45	61.39	36.11	52.70	63.88	41.51	49.27	41.32	33.15	13.35	48.90
EAST END	32.47	81.72	53.32	79.48	49.45	66.29	58.94	58.23	58.03	25.83	61.60

Notes

* Rainfall collection equipment was destroyed in Hurricane Ivan.
 Lowest monthly values are underlined and highest values are boldfaced.



Source: Meteorological Department & Mosquito Research and Control Unit

5.04

Humidity

	<i>Percentages</i>										
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
January	76	75	73	78	78	76	76	80	81	73	73
February	75	74	76	74	76	75	78	80	79	76	72
March	74	75	75	79	73	72	73	77	77	74	75
April	76	78	75	75	75	77	76	74	75	72	73
May	75	81	77	77	77	78	77	80	75	75	76
June	80	77	80	79	78	77	76	80	78	74	80
July	76	79	75	79	74	76	76	78	79	76	79
August	79	80	80	79	78	79	79	79	77	78	78
September	77	78	82	80	79	81	78	81	78	76	77
October	82	80	79	84	81	77	82	80	79	72	82
November	76	80	83	81	81	76	80	80	76	71	80
December	78	75	78	78	75	83	81	82	75	72	79
Annual Average	77.0	77.7	77.8	78.6	77.1	77.3	77.7	79.3	77.4	74.1	77.0

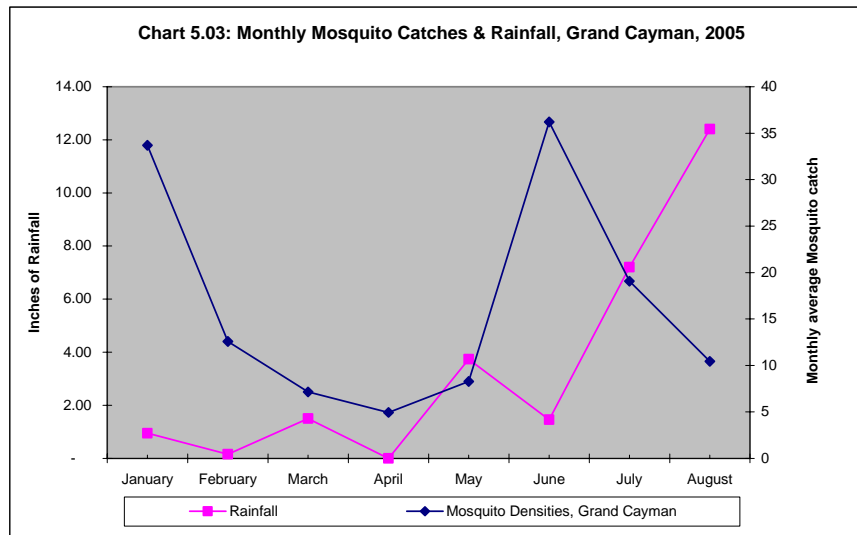
Source: Meteorological Department, Civil Aviation Authority

5.05 Mosquito Densities, Grand Cayman

	<i>Average catch per trap per night</i>										
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004*	2005
January	88.0	47.0	91.0	90.0	81.0	62.0	171.0	77.4	40.8	24.5	33.7
February	47.0	63.0	58.0	96.0	87.0	83.0	174.1	62.9	35.6	8.3	12.6
March	38.0	108.0	53.0	107.0	78.0	33.0	55.5	25.2	45.5	4.6	7.1
April	21.0	51.0	39.0	56.0	36.0	22.0	36.2	11.3	21.2	4.7	4.9
May	9.0	137.0	27.0	37.0	31.0	49.0	110.5	20.7	71.7	0.7	8.3
June	108.0	144.0	218.0	113.0	59.0	73.0	67.2	182.7	261.4	6.5	36.2
July	304.0	118.0	400.0	256.0	198.0	58.0	62.0	195.7	156.9	12.2	19.1
August	225.0	114.0	315.0	272.0	258.0	79.0	206.6	60.7	144.4	59.9	10.5
September	109.0	143.0	273.0	338.0	439.0	221.0	134.5	82.7	150.8	N/A	27.5
October	84.0	183.0	190.0	165.0	421.0	252.0	247.8	94.8	63.5	N/A	95.5
November	85.0	172.0	233.0	102.0	96.0	102.0	140.4	94.3	33.0	N/A	27.5
December	78.0	161.0	183.0	96.0	61.0	349.0	138.9	86.9	29.3	N/A	8.5
Annual Average	99.7	120.1	173.3	144.0	153.8	115.3	128.7	82.9	87.8	15.2	24.3
Number of traps	28	28	28	28	28	28	28	28	29	29	31

Notes

- * Mosquito collection equipment was destroyed in Hurricane Ivan.
- ¹ From island wide network of New Jersey light traps. A dozen or so species are included. The most common species has been the Salt Marsh mosquito: *Aedes faeniorshynchus*.



Source: Mosquito Research and Control Unit