

Chapter 4: Local Economy

Primary Sector

As defined, the primary sector is concerned with the extraction of raw materials. It includes fishing, farming, and mining (www.economicshelp.org). The primary sector of the economy extracts or harvests products from the earth, such as raw materials and basic foods. Activities associated with primary economic activity include agriculture (both subsistence and commercial), mining, forestry, grazing, hunting and gathering, fishing, and quarrying. The packaging and processing of raw materials are also considered to be part of this sector (www.thoughtco.com/sectors-of-the-economy).

Agricultural Croplands

Agricultural lands are lands devoted to or suitable for the cultivation of the soil, planting of crops, growing of trees, raising of livestock, poultry, fish, or aquaculture production. It also includes the harvesting of such farm products and other farm activities and practices performed in conjunction with such farming operations by persons, whether natural or juridical, and not classified by law as mineral land, forest land, residential land, commercial land, or industrial land (RA 8435).

Agricultural production is the growing of field crops, fruits, nuts, seeds, tree nurseries (except those of forest trees), bulb vegetables and flowers, and the production of coffee, tea, cocoa, rubber; livestock and livestock products, honey rabbits, fur-bearing animals, silkworm, cocoons, etc. Forestry and fishery production carried on as an ancillary activity on an agricultural holding is also considered as agricultural production (*Philippine Statistics Authority*).

In 2020, there are municipalities that increased its agricultural area, thus contributing to the increase of

the total agricultural area. These are the City of Dasmariñas, Tanza, General Emilio Aguinaldo, Maragondon and Naic.

Compared to 2019 agricultural area of 58,933.18 hectares, Cavite's agricultural area increased by 5,465.25 totaling to 64,398.43 hectares, representing 45.13% of the total land area of the province.

As shown in Table 4.1, Silang has the largest agricultural area with 8,589.78 hectares (13.34%), followed by Indang with 8,386.40 hectares (13.02%), Maragondon posted at 7,359.67 hectares (11.43%), and Magallanes with 5,775.50 hectares (8.97%). Furthermore, Cavite City's 1,183.00 hectares are classified as non-agricultural areas.

As of 2020, there are 33,530 farmers in the province. The number decreased in 2020 by 14.29% from a total of 39,120 farmers in 2019. Despite the allotment of 27 hectares of agricultural area in Rosario, there are no registered farmers in the municipality.

Most farmers are in the rural areas of the province, which are categorized as the "Food Basket" of the province. It can also be seen that these areas have larger agricultural areas than non-agricultural areas.

Table 4.1 Total Agricultural and Non-Agricultural Area by City/Municipality, Province of Cavite: 2020

City/ Municipality	Hectares			Number of Farmers
	Land Area	Agricultural Area	Non-Agricultural Area	
1st District	3,631	218.17	3,412.83	405
Cavite City	1,183	-	1,183.00	-
Kawit	1,340	174.50	1,165.50	385
Noveleta	541	16.67	524.33	20
Rosario	567	27.00	540.00	-
2nd District	5,240	112.70	5,127.30	60
City of Bacoor	5,240	112.70	5,127.30	60
3rd District	9,701	1,071.64	8,629.36	282
City of Imus	9,701	1,071.64	8,629.36	282
4th District	8,234	1,605.30	6,628.70	3,505
City of Dasmariñas	8,234	1,605.30	6,628.70	3,505
5th District	19,671	9,700.00	9,971.01	4,503
Carmona	3,092	903.22	2,188.78	190
General Mariano Alvarez	938	207.000	731.01	558
Silang	15,641	8,589.78	7,051.22	3,755
6th District	11,768	3,745.51	8,022.49	709
City of General Trias	11,768	3,745.51	8,022.49	709
7th District	27,257	18,098.88	9,158.12	7,459
Amadeo	4,790	4,500.00	290.00	4,000
Indang	8,920	8,386.40	533.60	1,574
Tanza	9,630	4,792.48	4,837.52	534
Trece Martires City	3,917	420.00	3,497.00	1,351
8th District	57,204	29,846.23	27,357.77	16,607
Alfonso	6,460	5,500.44	959.56	2,751
General Emilio Aguinaldo	5,103	3,598.00	1,505.00	1,493
Magallanes	7,860	5,775.50	2,084.50	3,748
Maragondon	16,549	7,359.67	9,189.33	3,995
Mendez-Nuñez	1,667	1,170.40	496.60	885
Naic	8,600	4,661.81	3,938.19	882
Tagaytay City	6,615	1,257.51	5,357.49	2,667
Ternate	4,350	522.90	3,827.10	186
Total	142,706	64,398.43	78,307.58	33,530

Source: Office of the Provincial Agriculturist, Trece Martires City

Crop Production

Despite the decrease in the agricultural area, the province of Cavite still has a lot of potentials in crop production, such as rice, corn, coffee, coconut, sugarcane, banana, pineapple, and other high-value crops.

The total area harvested for crop production was registered at 44,210.20 hectares. Harvest area for food crops totaled 10,297.50 hectares, registering a production volume of 78,719.15 metric tons. Vegetables posted the highest production having 29,555.90 metric tons, followed by rice with 27,733.96 metric tons.

Meanwhile, harvest area for industrial/commercial crops at 33,893.40 hectares contributed a total crop production of 237,371.08 metric tons, coconut production of 83,433,820 nuts, and 2,537,046 poles of bamboo. Sugarcane registered production of 101,211.00 metric tons while pineapple posted production of 33,544.39 metric tons. In addition, other fruit trees and banana contributed

27,453.15 metric tons and 44,959.59 metric tons of production, respectively.

The area intended for cut flowers and ornamentals industry totaled 19.29 hectares, by which 25,308.90 dozen cut flowers, mostly orchids and anthuriums, and 180,523 pots of ornamental plants are produced.

The municipality of Magallanes has the most spacious harvest area of 8,440.50 hectares and topped in crop production with 109,819.33 metric tons. It could be due to double cropping of particular crops and the presence of the sugarcane industry, contributing production volume of 80,000.00 metric tons. Magallanes also contributed an output of approximately 32.989 million nuts of coconut.

Silang followed next with harvested area of 4,998.36 hectares, with total crop production of 46,441.44 metric tons, wherein pineapple remained the largest contributor with 23,222.10 metric tons. The municipality is also noted for its cut flower and ornamental industries producing 23,498.74 dozen and 173,999 pots, respectively.

Table 4.2 Major Crops by Area Planted & Harvested and its Production, Province of Cavite: 2020

Major Crops	Area Planted (has)		Area Harvested (has)		Production		Number of Farmers ^a	
	2019	2020	2019	2020	2019	2020	2019	2020
Food Crops	10,397.83	10,933.74	9,833.45	10,297.50	89,531.63 MT	78,719.15 MT	22,073	23,774
Rice	6,299.06	7,315.98	5,799.58	6,678.33	26,743.57	27,733.96	3,890	4,981
Irrigated	5,655.00	6,334.37	5,156.58	5,696.72	24,846.48	25,138.13	3,449	4,212
Rainfed	409.56	513.96	408.50	513.96	1,433.34	1,424.90	285	301
Upland	234.50	467.65	234.50	467.65	463.75	1,170.93	156	468
Corn	1,036.04	815.52	997.12	854.08	5,173.98	3,814.37	1,689	1,315
Green corn	815.39	615.32	813.72	625.00	4,250.51	2,734.97	1,344	914
Yellow corn	220.65	200.20	183.40	229.08	923.47	1,079.40	345	401
Vegetables	1,996.13	1,855.69	1,987.00	1,832.17	34,469.47	29,555.90	13,052	14,277
Leafy	341.56	365.81	339.08	358.97	2,784.79	3,230.54	2,745	4,083
Fruit	1,102.16	1,100.09	1,096.52	1,086.54	22,005.36	20,453.50	7,173	6,932
Legumes	214.80	218.18	214.56	216.16	2,375.75	2,477.95	1,792	2,148
Root	330.36	171.01	329.59	169.91	7,255.54	3,389.11	1,328	1,110
Bulb	7.25	0.60	7.25	0.60	48.03	4.80	14	4
Root crops	1,066.60	946.56	1,049.75	932.92	23,144.61	17,614.92	3,442	3,201
Industrial/ Commercial Crops	36,555.51	35,308.54	35,259.61	33,893.40	322,268.23 MT 15,767,175 nuts 2,358,780 poles	237,371.08 MT 83,433,820 nuts 2,537,046 poles	46,051	46,571
Coffee	12,083.45	8,614.85	11,571.00	8,567.25	15,767,175	5,362.82	7,434	10,749
Banana	8,644.65	5,975.58	8,542.45	5,137.75	6,156.03	44,959.59	10,942	10,280
Pineapple	4,076.29	1,429.59	4,007.11	1,352.43	34,011.38	33,544.39	9,661	2,071
Mango	2,670.51	1,330.21	2,473.46	1,296.04	74,835.49	18,170.57	2,064	2,594
Papaya	1,396.52	229.66	1,348.71	214.60	20,160.35	4,796.73	2,894	1,266
Peanut	262.74	120.42	261.69	120.42	5,616.47	195.56	1,367	321
Sugarcane	105.63	2,048.00	105.63	2,047.00	140.47	101,211.00	313	209
Black Pepper	2,897.00	876.55	2,832.00	802.28	148,472.00	707.90	299	2,062
Dragon Fruit	869.53	57.25	824.28	55.25	782.72	656.50	1,917	129
Other Fruit Trees	57.49	2,428.22	54.49	2,102.18	788.75	27,453.15	139	9,630
Other Fruits	2,482.22	14.20	2,230.94	14.20	30,693.82	312.88	8,947	13
Coconut (pcs.)	29.48	11,204.00	27.85	11,204.00	610.75	83,433,820	28	7,201
Bamboo (poles)	980.00	980.00	980.00	980.00	2,358,780.00	2,537,046	46	46
Cut flowers and Ornamentals	14.11	19.29	14.11	19.29	28,335.66 dozen 139,389 pots	25,308.90 dozen 180,523 pots	483	506
Cut flowers (dozen)	5.33	4.61	5.33	4.61	28,335.66	25,308.90	271	274
Anthurium	1.76	1.10	1.76	1.10	8,227.66	5,189.15	128	115
Orchids	3.57	3.51	3.57	3.51	20,108.00	20,119.75	143	159
Ornamentals (pots)	8.78	14.68	8.78	14.68	139,389.00	180,523	212	232
Total	46,967.45	46,261.57	45,107.17	44,210.20	411,799.86 MT 15,767,175 nuts 2,358,780 poles 28,335.66 dozen 139,389 pots	316,090.22 m.t. 83,433,820 nuts 2,537,046 poles 25,308.90 dozen 180,523 pots	68,607	70,851

^aThe total number of farmers differs from the number of farmers by city/municipality since farmers are counted by commodity

Source: Office of the Provincial Agriculturist, Trece Martires City

The City of Dasmariñas had a large amount of production, despite being an urbanized city. With a harvested area of 1,455.68 hectares, City of Dasmariñas contributed a total of 27,094.04 metric tons of crop production. The sugarcane industry posted the highest production, with 14,945.00 metric tons, while mango and vegetable registered 4,887.28 metric tons and 3,820.44 metric tons production, respectively.

Alfonso's crop production totaled 24,468.74 metric tons and 7.733 million nuts of coconuts. The leading crop contributors were other fruit trees registered at 9,013.53 metric tons, vegetables with 5,687.18 metric tons, root crops at 2,520.70 metric tons and pineapple posted at 2,401.82 metric tons.

Additionally, crop production from Maragondon was at 19,973.40 metric tons, wherein the leading contributors were sugarcane posted at 6,072.00 metric tons, banana at 4,456.85 metric tons, rice with 3,330.00 metric tons and mango contributing 2,067.95 metric tons. The municipality's bamboo and coconut production were at 2.537 million poles and 2.495 million nuts, respectively.

Rosario did not utilize its agricultural land of 27.00 hectares for crop production, while Cavite City no longer has designated agricultural land.

The detailed total production of each city and municipality are presented in the following tables.

Table 4.3 Area Planted and Harvested to Crops and Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production					Number of Farmers
	Area Planted	Area Harvested	All Crops (metric tons)	Coconut (pcs.)	Bamboo (poles)	Cut flowers (dozen)	Ornamental Plants (pots)	
1st District	239.69	250.69	716.48	-	-	-	-	119
Cavite City	-	-	-	-	-	-	-	-
Kawit	221.00	221.00	481.44	-	-	-	-	78
Noveleta	18.69	29.69	235.04	-	-	-	-	41
Rosario	-	-	-	-	-	-	-	-
2nd District	105.32	93.66	429.05	-	-	-	-	947
City of Bacoar	105.32	93.66	429.05	-	-	-	-	947
3rd District	704.86	708.47	4,210.74	-	-	-	-	583
City of Imus	704.86	708.47	4,210.74	-	-	-	-	583
4th District	1,448.78	1,455.68	27,094.04	-	-	-	-	1,780
City of Dasmariñas	1,448.78	1,455.68	27,094.04	-	-	-	-	1,780
5th District	5,655.97	5,494.72	49,505.06	5,753,510	-	23,498.74	173,999	13,721
Carmona	391.53	408.58	2,277.82	-	-	-	-	699
General Mariano Alvarez	89.84	87.78	785.80	-	-	-	-	592
Silang	5,174.60	4,998.36	46,441.44	5,753,510	-	23,498.74	173,999	12,430
6th District	1,203.95	1,232.06	7,032.56	273,000	-	-	-	1,130
City of General Trias	1,203.95	1,232.06	7,032.56	273,000	-	-	-	1,130
7th District	10,267.04	10,048.42	35,037.46	15,331,172	-	1,626.66	6,524	14,854
Amadeo	4,292.95	4,287.52	6,240.07	982,668	-	-	1,522	6,301
Indang	4,248.73	4,215.70	18,400.67	13,602,584	-	-	-	6,596
Tanza	1,158.81	982.71	5,519.56	-	-	-	-	702
Trece Martires City	566.55	562.49	4,877.16	745,920	-	1,626.66	5,002	1,255
8th District	26,635.97	24,926.50	192,064.83	62,076,138	2,537,046	183.50	-	37,717
Alfonso	4,124.33	4,079.32	24,468.74	7,733,022	-	-	-	9,991
General Emilio Aguinaldo	4,412.14	4,259.74	9,766.09	18,858,528	-	183.50	-	7,312
Magallanes	9,258.50	8,440.50	109,819.33	32,989,464	-	-	-	4,645
Maragondon	3,477.67	3,410.27	19,973.40	2,495,124	2,537,046	-	-	2,922
Mendez-Núñez	983.79	976.04	6,113.76	-	-	-	-	5,832
Naic	2,583.32	2,046.63	10,661.12	-	-	-	-	1,905
Tagaytay City	1,149.05	1,070.91	7,745.48	-	-	-	-	4,460
Ternate	647.17	643.10	3,516.92	-	-	-	-	650
Total	46,261.57	44,210.20	316,090.22	83,433,820	2,537,046	25,308.90	180,523	70,851

Source: Office of the Provincial Agriculturist, Trece Martires City

Table 4.4 Crop Production (Rice – Mango) by City/Municipality, Province of Cavite: 2020

City/Municipality	Crop Production (metric tons)							
	Rice	Corn	Vegetable	Root crops	Coffee	Banana	Pineapple	Mango
1st District	481.44	138.60	66.44	-	-	-	-	30.00
Cavite City	-	-	-	-	-	-	-	-
Kawit	481.44	-	-	-	-	-	-	-
Noveleta	-	138.60	66.44	-	-	-	-	30.00
Rosario	-	-	-	-	-	-	-	-
2nd District	304.79	-	114.44	-	-	9.80	-	-
City of Bacoor	304.79	-	114.44	-	-	9.80	-	-
3rd District	2,448.10	-	1,062.64	-	-	-	-	700.00
City of Imus	2,448.10	-	1,062.64	-	-	-	-	700.00
4th District	899.73	678.44	3,820.44	533.80	-	1,026.50	221.30	4,887.28
City of Dasmariñas	899.73	678.44	3,820.44	533.80	-	1,026.50	221.30	4,887.28
5th District	1,981.62	620.39	6,079.00	4,754.75	394.27	3,947.78	23,222.10	1,915.72
Carmona	1,180.62	52.50	323.95	13.70	-	435.50	-	269.70
General Mariano Alvarez	-	80.81	126.81	20.10	-	136.02	-	218.75
Silang	801.00	487.08	5,628.24	4,720.95	394.27	3,376.26	23,222.10	1,427.27
6th District	3,965.72	218.48	1,498.91	165.60	30.20	277.25	-	715.45
City of General Trias	3,965.72	218.48	1,498.91	165.60	30.20	277.25	-	715.45
7th District	4,166.28	420.00	1,658.19	2,694.89	3,103.12	6,934.46	1,177.42	4,175.75
Amadeo	-	35.00	177.99	184.76	2,642.47	1,829.50	560.00	111.30
Indang	-	-	217.41	1,454.55	460.65	3,819.06	519.00	2,474.85
Tanza	4,156.28	-	1,106.30	-	-	3.60	-	-
Trece Martires City	10.00	385.00	156.49	1,055.58	-	1,282.30	98.42	1,589.60
8th District	13,486.28	1,738.46	15,255.84	9,465.88	1,835.23	32,763.80	8,923.57	5,746.37
Alfonso	-	113.45	5,687.18	2,520.70	763.26	2,266.33	2,401.82	594.25
General Emilio Aguinaldo	-	483.00	1,202.30	1,798.00	211.50	4,799.40	123.00	112.00
Magallanes	0.30	601.50	3,239.30	2,061.78	157.30	19,961.70	200.00	1,330.00
Maragondon	3,330.00	356.00	1,608.10	1,723.70	49.76	4,456.85	45.80	2,067.95
Mendez-Núñez	-	15.00	695.90	283.89	491.28	574.08	1,500.00	113.97
Naic	7,506.48	169.51	1,555.13	75.00	-	-	-	1,355.00
Tagaytay City	-	-	1,223.56	838.51	159.88	387.23	4,652.95	-
Ternate	2,649.50	-	44.37	164.30	2.25	318.21	-	173.20
Total	27,733.96	3,814.37	29,555.90	17,614.92	5,362.82	44,959.59	33,544.39	18,170.57

Source: Office of the Provincial Agriculturist, Trece Martires City

Table 4.5 Crop Production (Papaya – Other Fruits) by City/Municipality, Province of Cavite: 2020

City/Municipality	Crop Production (metric tons)							Total
	Papaya	Peanut	Sugarcane	Black pepper	Dragon fruit	Other fruit trees	Other fruits	
1st District	-	-	-	-	-	-	-	716.48
Cavite City	-	-	-	-	-	-	-	-
Kawit	-	-	-	-	-	-	-	481.44
Noveleta	-	-	-	-	-	-	-	235.04
Rosario	-	-	-	-	-	-	-	-
2nd District	-	0.02	-	-	-	-	-	429.05
City of Bacoor	-	0.02	-	-	-	-	-	429.05
3rd District	-	-	-	-	-	-	-	4,210.74
City of Imus	-	-	-	-	-	-	-	4,210.74
4th District	72.50	9.05	14,945.00	-	-	-	-	27,094.04
City of Dasmariñas	72.50	9.05	14,945.00	-	-	-	-	27,094.04
5th District	1,894.79	84.40	-	83.71	-	4,526.53	-	49,505.06
Carmona	-	1.85	-	-	-	-	-	2,277.82
General Mariano Alvarez	24.89	-	-	-	-	178.42	-	785.80
Silang	1,869.90	82.55	-	83.71	-	4,348.11	-	46,441.44
6th District	4.87	1.18	-	-	-	78.90	76.00	7,032.56
City of General Trias	4.87	1.18	-	-	-	78.90	76.00	7,032.56
7th District	951.30	2.93	-	53.43	399.50	9,063.31	236.88	35,037.46
Amadeo	90.00	-	-	37.55	28.00	543.50	-	6,240.07
Indang	767.00	1.30	-	15.88	371.50	8,299.47	-	18,400.67
Tanza	16.50	-	-	-	-	-	236.88	5,519.56
Trece Martires City	77.80	1.63	-	-	-	220.34	-	4,877.16
8th District	1,873.27	97.98	86,266.00	570.76	257.00	13,784.41	-	192,064.83
Alfonso	958.60	25.49	-	124.13	-	9,013.53	-	24,468.74
General Emilio Aguinaldo	125.00	6.85	194.00	310.00	60.00	341.04	-	9,766.09
Magallanes	425.00	60.00	80,000.00	61.45	120.00	1,601.00	-	109,819.33
Maragondon	37.50	3.76	6,072.00	63.78	48.00	110.20	-	19,973.40
Mendez-Núñez	111.90	-	-	5.77	29.00	2,292.97	-	6,113.76
Naic	-	-	-	-	-	-	-	10,661.12
Tagaytay City	180.15	-	-	5.63	-	297.57	-	7,745.48
Ternate	35.12	1.88	-	-	-	128.10	-	3,516.92
Total	4,796.73	195.56	101,211.00	707.90	656.50	27,453.15	312.88	316,090.22

Source: Office of the Provincial Agriculturist, Trece Martires City

Food Crops

Rice

Compared to 2019 harvest of 26,743.57 metric tons, production of rice in the province increased by 990.39 metric tons registered at 27,733.96 metric tons. Harvest area also increased by 878.75 hectares from 5,799.58 hectares in 2019 to 6,678.33 hectares in 2020.

Naic has the largest rice production with 7,506.48 metric tons (27.07%), followed by Tanza with 4,156.28 metric tons (14.99%). The other leading producers of rice are the City of General Trias contributing 3,965.72 metric tons (14.30%), Maragondon with 3,330.00 metric tons (12.01%) and Ternate having 2,649.50 metric tons (9.55%). City of Imus and Carmona registered a combined share of 3,628.72 metric tons (13.08%).

Rice harvested at irrigated area totaled 25,138.13 metric tons, rainfed area posted at 1,424.90 metric tons and 1,170.93 metric tons at the upland area.

Table 4.6 Rice Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
1st District	221.00	221.00	481.44
Cavite City	-	-	-
Kawit	221.00	221.00	481.44
Noveleta	-	-	-
Rosario	-	-	-
2nd District	84.85	73.60	304.79
City of Bacoor	84.85	73.60	304.79
3rd District	536.80	540.60	2,448.10
City of Imus	536.80	540.60	2,448.10
4th District	328.15	328.15	899.73
City of Dasmariñas	328.15	328.15	899.73
5th District	551.00	572.55	1,981.62
Carmona	284.00	305.55	1,180.62
Gen. Mariano Alvarez	-	-	-
Silang	267.00	267.00	801.00
6th District	855.31	911.52	3,965.72
City of General Trias	855.31	911.52	3,965.72
7th District	1,103.60	927.70	4,166.28
Amadeo	-	-	-
Indang	-	-	-
Tanza	1,098.60	922.70	4,156.28
Trece Martires City	5.00	5.00	10.00
8th District	3,635.27	3,103.21	13,486.28
Alfonso	-	-	-
Gen. E. Aguinaldo	-	-	-
Magallanes	2.00	2.00	0.30
Maragondon	777.95	777.95	3,330.00
Mendez-Núñez	-	-	-
Naic	2,304.82	1,772.76	7,506.48
Tagaytay City	-	-	-
Ternate	550.50	550.50	2,649.50
Total	7,315.98	6,678.33	27,733.96

Source: Office of the Provincial Agriculturist, Trece Martires City

Corn

Corn production was 26.28% lower than 2019's output of 5,173.98 metric tons. In 2020, total production was recorded at 3,814.37 metric tons. A 14.35% decrease in harvest area was also noted from 997.12 hectares in 2019 to 854.08 hectares in 2020.

City of Dasmariñas was the top producer of this crop, with 678.44 metric tons produced (17.79%). Magallanes, Silang, General Emilio Aguinaldo, Trece Martires City, and Maragondon followed, contributing 15.77%, 12.77%, 12.66%, 10.09%, and 9.33%, respectively.

Table 4.7 Corn Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
1st District	11.00	22.00	138.60
Cavite City	-	-	-
Kawit	-	-	-
Noveleta	11.00	22.00	138.60
Rosario	-	-	-
2nd District	-	-	-
City of Bacoor	-	-	-
3rd District	-	-	-
City of Imus	-	-	-
4th District	79.69	117.67	678.44
City of Dasmariñas	79.69	117.67	678.44
5th District	190.37	173.97	620.39
Carmona	11.00	11.00	52.50
Gen. M. Alvarez	15.59	15.59	80.81
Silang	163.78	147.38	487.08
6th District	34.28	37.58	218.48
City of General Trias	34.28	37.58	218.48
7th District	84.00	84.00	420.00
Amadeo	7.00	7.00	35.00
Indang	-	-	-
Tanza	-	-	-
Trece Martires City	77.00	77.00	385.00
8th District	416.18	418.87	1,738.46
Alfonso	34.48	33.55	113.45
Gen. E. Aguinaldo	116.00	116.00	483.00
Magallanes	130.00	130.00	601.50
Maragondon	103.00	103.00	356.00
Mendez-Núñez	3.00	3.00	15.00
Naic	29.70	33.32	169.51
Tagaytay City	-	-	-
Ternate	-	-	-
Total	815.52	854.08	3,814.37

Source: Office of the Provincial Agriculturist, Trece Martires City

Vegetables

Production of vegetables registered at 29,555.90 metric tons posted a decrease of 4,913.57 metric tons compared to 2019's output of 34,469.47 metric tons.

Alfonso was the top producing municipality with 5,687.18 metric tons production (19.24%), followed by Silang, having produced 5,628.24 metric tons (19.04%). City of Dasmariñas contributed 3,820.44 metric tons (12.93%) while Magallanes has 3,239.30 metric tons share (10.96%).

Furthermore, vegetable production from leafy vegetables totaled 3,230.54 metric tons, fruit vegetables posted at 20,453.50 metric tons, legumes at 2,477.95 metric tons, root vegetables contributed 3,389.11 metric tons while bulbs registered at 4.80 metric tons.

Table 4.8 Vegetable Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
1st District	5.69	5.69	66.44
Cavite City	-	-	-
Kawit	-	-	-
Noveleta	5.69	5.69	66.44
Rosario	-	-	-
2nd District	19.50	19.09	114.44
City of Bacoor	19.50	19.09	114.44
3rd District	102.21	102.02	1,062.64
City of Imus	102.21	102.02	1,062.64
4th District	227.15	220.59	3,820.44
City of Dasmariñas	227.15	220.59	3,820.44
5th District	397.57	389.31	6,079.00
Carmona	23.82	22.82	323.95
Gen. Mariano Alvarez	11.15	10.69	126.81
Silang	362.60	355.80	5,628.24
6th District	86.79	86.79	1,498.91
City of General Trias	86.79	86.79	1,498.91
7th District	92.50	92.16	1,658.19
Amadeo	15.95	15.95	177.99
Indang	11.98	11.84	217.41
Tanza	48.31	48.11	1,106.30
Trece Martires City	16.26	16.26	156.49
8th District	924.27	916.53	15,255.84
Alfonso	358.32	357.17	5,687.18
Gen. Emilio Aguinaldo	66.96	66.16	1,202.30
Magallanes	189.50	186.50	3,239.30
Maragondon	120.62	120.62	1,608.10
Mendez-Núñez	40.23	40.23	695.90
Naic	75.97	73.55	1,555.13
Tagaytay City	69.43	69.07	1,223.56
Ternate	3.24	3.24	44.37
Total	1,855.69	1,832.17	29,555.90

Source: Office of the Provincial Agriculturist, Trece Martires City

Root crops

A total of 17,614.92 metric tons of root crops production registered in 2020 was lower by 5,529.69 metric tons compared to 2019 output of 23,144.61 metric tons.

Silang registered a total of 4,720.95 metric tons production or 26.80 percent output. Alfonso and Magallanes posted a production volume of 2,520.70 metric tons and 2,061.78 metric tons, respectively, or a combined share of 26.01%. General Emilio Aguinaldo registered 1,798.00 metric tons (10.21%) while 1,723.70 metric tons was harvested from Maragondon. Production of 1,454.55 metric tons came from Indang and Trece Martires City contributed 1,055.58 metric tons. The least producer was Carmona with 13.70 metric tons output.

Industrial/Commercial Crops

Coconut

Production of coconut registered at 83.434M nuts by which Magallanes posted the highest production having 39.54% output or 32.989M nuts followed by Gen. Emilio Aguinaldo having 18.859M nuts. Indang posted 13.603M nuts while Alfonso registered 9.27% harvests or 7.733M nuts. Silang and Maragondon contributed 5.755M nuts and 2.495M nuts, respectively while Amadeo, Trece Martires City and City of General Trias have a combined output of 2.002M nuts.

Table 4.9 Root crops Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
4th District	29.21	29.21	533.80
City of Dasmariñas	29.21	29.21	533.80
5th District	238.16	238.16	4,754.75
Carmona	0.95	0.95	13.70
Gen. M. Alvarez	1.00	1.00	20.10
Silang	236.21	236.21	4,720.95
6th District	8.50	8.50	165.60
City of Gen. Trias	8.50	8.50	165.60
7th District	126.84	126.41	2,694.89
Amadeo	8.75	8.32	184.76
Indang	67.04	67.04	1,454.55
Tanza	-	-	-
Trece Martires City	51.05	51.05	1,055.58
8th District	543.85	530.64	9,465.88
Alfonso	140.60	139.40	2,520.70
General Emilio	-	-	-
Aguinaldo	98.00	94.00	1,798.00
Magallanes	122.00	122.00	2,061.78
Maragondon	103.35	103.35	1,723.70
Mendez-Núñez	19.60	19.60	283.89
Naic	7.00	3.00	75.00
Tagaytay City	45.73	41.72	838.51
Ternate	7.57	7.57	164.30
Total	946.56	932.92	17,614.92

Source: Office of the Provincial Agriculturist, Trece Martires City

Table 4.10 Coconut Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (pcs.)
	Area Planted	Area Harvested	
Silang	794.00	794.00	5,753,510
City of General Trias	31.00	31.00	273,000
Amadeo	144.00	144.00	982,668
Indang	2,173.00	2,173.00	13,602,584
Trece Martires City	100.00	100.00	745,920
Alfonso	1,202.00	1,202.00	7,733,022
General Emilio	-	-	-
Aguinaldo	2,614.00	2,614.00	18,858,528
Magallanes	3,779.00	3,779.00	32,989,464
Maragondon	367.00	367.00	2,495,124
Total	11,204.00	11,204.00	83,433,820

Source: Office of the Provincial Agriculturist, Trece Martires City

Coffee

Production of coffee dropped by 793.21 metric tons as compared to 2019 data of 6,156.03 metric tons. In 2020, it reached to only 5,362.82 metric tons.

The highest share of production came from Amadeo with 49.27 percent share or 2,642.47 metric tons output. Alfonso followed with 763.26 metric tons or 14.23 percent production.

The other coffee producers are Mendez-Nunez, Indang, Silang, General Emilio Aguinaldo with combined production of 1,557.70 metric tons while Tagaytay City, Magallanes, Maragondon, City of General Trias, and Ternate contributed also has a combined production of 399.39 metric tons.

Coffee production was a combined output of coffee varieties planted in the province – robusta, excelsa, and liberica. Robusta registered the highest production posted at 92.27 percent share or 4,948.24 metric tons, while

excelsa production was registered at 6.26 percent share or 335.47 metric tons. Liberica contributed 79.11 metric tons or 1.48 percent share.

Table 4.11 Coffee Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
5th District	1,331.00	1,331.00	394.27
Carmona	-	-	-
Gen. M. Alvarez	-	-	-
Silang	1,331.00	1,331.00	394.27
6th District	57.40	47.00	30.20
City of General Trias	57.40	47.00	30.20
7th District	4,362.51	4,358.00	3,103.12
Amadeo	3,778.50	3,774.50	2,642.47
Indang	584.01	583.50	460.65
Tanza	-	-	-
Trece Martires City	-	-	-
8th District	2,863.94	2,831.25	1,835.23
Alfonso	1,070.25	1,067.82	763.26
Gen. E. Aguinaldo	349.00	342.50	211.50
Magallanes	241.00	225.00	157.30
Maragondon	66.07	66.07	49.76
Mendez-Nuñez	592.00	592.00	491.28
Naic	-	-	-
Tagaytay City	540.62	534.36	159.88
Ternate	5.00	3.50	2.25
Total	8,614.85	8,567.25	5,362.82

Source: Office of the Provincial Agriculturist, Trece Martires City

Banana

Banana varieties harvested in the province are dias registered at 5,114.94 metric tons, lacatan at 2,310.15 metric tons, latundan with 4,082.84 metric tons, and saba at 33,451.67 metric tons. These totaled to 44,959.59 metric tons by which an increase of 10,948.21 metric tons was registered compared to 2019 production of 34,011.38 metric tons.

Magallanes topped in producing this crop having 19,961.70 metric tons production (44.40%). General Emilio Aguinaldo followed next with 4,799.40 metric tons (10.67%), and Maragondon with 4,456.85 metric tons produced (9.91%). The other top banana producers are Indang, Silang, Alfonso, Amadeo, Trece Martires City and City of Dasmariñas with a combined output of 13,599.95 metric tons (30.25%).

Pineapple

A decline in pineapple production was recorded from 74,835.49 metric tons in 2019 to 33,544.39 metric tons in 2020. This may also be due to the decrease in harvested area from 2,473.46 hectares in 2019 to 1,352.43 hectares in 2020.

Silang was consistently the highest producer of pineapple, producing 23,222.10 metric tons. It comprised 69.23% of the total pineapple production. Tagaytay City followed with 4,652.95 metric tons (13.87%) and Alfonso at 2,401.82 metric tons (7.16%). Mendez-Nunez contributed 1,500.00 metric tons (4.47%) while Amadeo registered at 560.00 metric tons (1.67%) share. The remaining 3.60% of the production or a combined output of 1,207.52 metric tons came from Indang, City of Dasmariñas, Magallanes,

General Emilio Aguinaldo, Trece Martires City and Maragondon.

Table 4.12 Banana Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
2nd District	0.95	0.95	9.80
City of Bacoar	0.95	0.95	9.80
4th District	198.60	188.00	1,026.50
City of Dasmariñas	198.60	188.00	1,026.50
5th District	489.25	481.54	3,947.78
Carmona	47.50	47.50	435.50
General M. Alvarez	18.00	16.90	136.02
Silang	423.75	417.14	3,376.26
6th District	39.27	39.27	277.25
City of General Trias	39.27	39.27	277.25
7th District	859.29	855.21	6,934.46
Amadeo	215.00	215.00	1,829.50
Indang	483.09	479.01	3,819.06
Tanza	0.50	0.50	3.60
Trece Martires City	160.70	160.70	1,282.30
8th District	4,388.22	3,572.78	32,763.80
Alfonso	282.05	278.29	2,266.33
Gen. Emilio Aguinaldo	582.30	549.50	4,799.40
Magallanes	2,755.00	2,055.00	19,961.70
Maragondon	541.76	510.56	4,456.85
Mendez-Nuñez	82.05	82.05	574.08
Naic	-	-	-
Tagaytay City	90.56	42.88	387.23
Ternate	54.50	54.50	318.21
Total	5,975.58	5,137.75	44,959.59

Source: Office of the Provincial Agriculturist, Trece Martires City

Table 4.13 Pineapple Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
4th District	12.50	12.50	221.30
City of Dasmariñas	12.50	12.50	221.30
5th District	840.10	774.07	23,222.10
Carmona	-	-	-
General Mariano Alvarez	-	-	-
Silang	840.10	774.07	23,222.10
7th District	63.16	63.16	1,177.42
Amadeo	30.00	30.00	560.00
Indang	28.56	28.56	519.00
Tanza	-	-	-
Trece Martires City	4.60	4.60	98.42
8th District	513.83	502.70	8,923.57
Alfonso	93.47	84.34	2,401.82
General Emilio Aguinaldo	6.00	6.00	123.00
Magallanes	12.00	12.00	200.00
Maragondon	4.00	2.00	45.80
Mendez-Nuñez	60.00	60.00	1,500.00
Naic	-	-	-
Tagaytay City	338.36	338.36	4,652.95
Ternate	-	-	-
Total	1,429.59	1,352.43	33,544.39

Source: Office of the Provincial Agriculturist, Trece Martires City

Mango

Mango production registered 1,989.78 metric tons decrease (-9.87%) in 2020 compared to 20,160.35 metric tons in 2019. Its production was posted at 18,170.57 metric tons.

The City of Dasmariñas with 4,887.28 metric tons (26.90%) topped in producing this crop while Indang contributed 2,474.85 metric tons (13.62%). In addition, Maragondon and Trece Martires City registered 2,067.95 metric tons (11.38%) and 1,589.60 metric tons (8.75%) production, respectively. The other top mango producers with a combined production of 4,112.27 metric tons or 22.63 percent share are Silang, Naic and Magallanes.

Table 4.14 Mango Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares Area Planted	Hectares Area Harvested	Production (metric tons)
1st District	2.00	2.00	30.00
Cavite City	-	-	-
Kawit	-	-	-
Noveleta	2.00	2.00	30.00
Rosario	-	-	-
3rd District	65.85	65.85	700.00
City of Imus	65.85	65.85	700.00
4th District	289.00	289.00	4,887.28
City of Dasmariñas	289.00	289.00	4,887.28
5th District	124.94	119.41	1,915.72
Carmona	20.06	19.56	269.70
Gen. M. Alvarez	22.00	22.00	218.75
Silang	82.88	77.85	1,427.27
6th District	60.00	60.00	715.45
City of Gen. Trias	60.00	60.00	715.45
7th District	312.52	312.52	4,175.75
Amadeo	13.75	13.75	111.30
Indang	178.75	178.75	2,474.85
Tanza	-	-	-
Trece Martires City	120.02	120.02	1,589.60
8th District	475.90	447.26	5,746.37
Alfonso	47.42	44.28	594.25
Gen. E. Aguinaldo	18.50	14.00	112.00
Magallanes	115.00	94.00	1,330.00
Maragondon	109.12	109.12	2,067.95
Mendez-Núñez	7.86	7.86	113.97
Naic	164.00	164.00	1,355.00
Tagaytay City	-	-	-
Ternate	14.00	14.00	173.20
Total	1,330.21	1,296.04	18,170.57

Source: Office of the Provincial Agriculturist, Trece Martires City

Papaya

Production of papaya was 819.75 metric tons lower compared to 2019 production of 5,616.47 metric tons. In 2020, this totaled 4,796.73 metric tons, by which Silang registered the highest share with 1,869.90 metric tons or 38.98% of the total production. Alfonso followed with 958.60 metric tons (19.98%), while Indang contributed 767.00 metric tons (15.99%). Magallanes registered production of 425.00 metric tons while Tagaytay City contributed 180.15 metric tons production.

Peanut

Peanut registered an output of 195.56 metric tons in 2020, an increase of 55.09 metric tons compared to 2019's output of 140.47 metric tons.

Silang posted the highest contribution with a 42.21 percent share or 82.55 metric tons. Magallanes followed with 60.00 metric tons (30.68%). Alfonso contributed 25.49 metric tons (13.03%) while the City of Dasmariñas registered production of 9.05 metric tons (4.63%). Additionally, the

remaining 18.47 metric tons are harvested in General Emilio Aguinaldo, Maragondon, Ternate, Carmona, Trece Martires City, Indang, City of General Trias and City of Bacoor.

Table 4.15 Papaya Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares Area Planted	Hectares Area Harvested	Production (metric tons)
4th District	4.10	3.60	72.50
City of Dasmariñas	4.10	3.60	72.50
5th District	86.17	82.07	1,894.79
Carmona	-	-	-
Gen. Mariano Alvarez	2.10	2.00	24.89
Silang	84.07	80.07	1,869.90
6th District	0.30	0.30	4.87
City of General Trias	0.30	0.30	4.87
7th District	41.48	41.48	951.30
Amadeo	5.00	5.00	90.00
Indang	31.06	31.06	767.00
Tanza	0.90	0.90	16.50
Trece Martires City	4.52	4.52	77.80
8th District	97.61	87.15	1,873.27
Alfonso	44.89	43.05	958.60
General E. Aguinaldo	7.00	7.00	125.00
Magallanes	20.00	17.00	425.00
Maragondon	2.50	2.50	37.50
Mendez-Núñez	5.65	5.65	111.90
Naic	1.83	-	-
Tagaytay City	14.34	10.55	180.15
Ternate	1.40	1.40	35.12
Total	229.66	214.60	4,796.73

Source: Office of the Provincial Agriculturist, Trece Martires City

Table 4.16 Peanut Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares Area Planted	Hectares Area Harvested	Production (metric tons)
City of Bacoor	0.02	0.02	0.02
City of Dasmariñas	6.96	6.96	9.05
Carmona	1.20	1.20	1.85
Silang	63.95	63.95	82.55
City of General Trias	1.00	1.00	1.18
Indang	1.00	1.00	1.30
Trece Martires City	1.50	1.50	1.63
Alfonso	19.35	19.35	25.49
General Emilio Aguinaldo	6.50	6.50	6.85
Magallanes	15.00	15.00	60.00
Maragondon	2.50	2.50	3.76
Ternate	1.44	1.44	1.88
Total	120.42	120.42	195.56

Source: Office of the Provincial Agriculturist, Trece Martires City

Sugarcane

Sugarcane is planted and harvested at the City of Dasmariñas, General Emilio Aguinaldo, Magallanes, and Maragondon. Its registered production totaled 101,211.00 metric tons.

Dragon Fruit

Dragon fruit production registered at 656.50 metric tons posted a decrease of 132.25 metric tons compared to 788.75 metric tons output in 2019. Indang contributed the highest production, registering 56.59% of the total production or 371.50 metric tons, followed by Magallanes with 120.00 metric tons output or 18.28 percent share.

Table 4.17 Sugarcane Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
City of Dasmariñas	260.00	260.00	14,945.00
Gen. E. Aguinaldo	4.00	3.00	194.00
Magallanes	1,600.00	1,600.00	80,000.00
Maragondon	184.00	184.00	6,072.00
Total	2,048.00	2,047.00	101,211.00

Source: Office of the Provincial Agriculturist, Trece Martires City

Table 4.18 Dragon Fruit Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
Amadeo	2.00	2.00	28.00
Indang	29.25	29.25	371.50
General Emilio Aguinaldo	5.00	5.00	60.00
Magallanes	13.00	11.00	120.00
Maragondon	6.00	6.00	48.00
Mendez-Núñez	2.00	2.00	29.00
Total	57.25	55.25	656.50

Source: Office of the Provincial Agriculturist, Trece Martires City

Black pepper

Black pepper production at 707.90 metric tons posted 74.83 metric tons decrease compared to 2019 output of 782.72 metric tons. Harvest area also decrease by 22.00 hectares from 824.28 hectares in 2019 to 802.28 hectares in 2020.

Gen. Emilio Aguinaldo, the top producer, registered 43.79 percent production or 310.00 metric tons. Alfonso and Silang followed with 124.13 metric tons (17.54%) and 83.71 metric tons (11.83%), respectively. Maragondon posted 63.78 metric tons and Magallanes contributed 61.45 metric tons output. The combined production of 64.83 metric tons came from Amadeo, Indang, Mendez-Núñez, and Tagaytay City.

Table 4.19 Black pepper Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
Silang	134.99	134.99	83.71
City of General Trias	6.00	-	-
Amadeo	25.00	25.00	37.55
Indang	17.69	9.60	15.88
Alfonso	113.91	109.73	124.13
Gen. Emilio Aguinaldo	425.00	379.00	310.00
Magallanes	75.00	65.00	61.45
Maragondon	65.00	65.00	63.78
Mendez-Núñez	6.00	6.00	5.77
Tagaytay City	7.96	7.96	5.63
Total	876.55	802.28	707.90

Source: Office of the Provincial Agriculturist, Trece Martires City

Other Fruit Trees and Other Fruits

The combined production of other fruit trees totaled 27,453.15 metric tons. It decreased by 3,240.67 metric tons compared to the 2019 output of 30,693.82 metric tons.

Alfonso topped in producing these crops having 9,013.53 metric tons followed by Indang with 8,299.47 metric tons. Silang contributed 4,348.11 metric tons, while Mendez-Núñez and Magallanes have a record of 2,292.97 metric tons and 1,601.00 metric tons, respectively.

Furthermore, other fruits harvested are muskmelon and watermelon, with production registered at 312.88 metric tons. Tanza contributed 236.88 metric tons while City of General Trias was recorded at 76.00 metric tons.

Table 4.20 Other Fruit Trees & Other Fruits Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
Other Fruit Trees	2,428.22	2,102.18	27,453.15
4th District	13.42	-	-
City of Dasmariñas	13.42	-	-
5th District	399.36	324.60	4,526.53
Carmona	3.00	-	-
General Mariano Alvarez	20.00	19.60	178.42
Silang	376.36	305.00	4,348.11
6th District	20.40	5.40	78.90
City of General Trias	20.40	5.40	78.90
7th District	711.90	686.63	9,063.31
Amadeo	47.00	46.00	543.50
Indang	643.30	623.09	8,299.47
Tanza	-	-	-
Trece Martires City	21.60	17.54	220.34
8th District	1,283.14	1,085.55	13,784.41
Alfonso	717.59	700.34	9,013.53
General Emilio Aguinaldo	113.80	57.00	341.04
Magallanes	190.00	127.00	1,601.00
Maragondon	44.80	10.60	110.20
Mendez-Núñez	165.40	157.65	2,292.97
Naic	-	-	-
Tagaytay City	42.05	26.01	297.57
Ternate	9.50	6.95	128.10
Other Fruit Trees	14.20	14.20	312.88
City of General Trias	3.70	3.70	76.00
Tanza	10.50	10.50	236.88

Source: Office of the Provincial Agriculturist, Trece Martires City

Bamboo, Cut flowers and Ornamentals

Table 4.21 Bamboo, Cut flowers and Ornamentals Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Hectares		Production (metric tons)
	Area Planted	Area Harvested	
Bamboo (in poles)	4.61	4.61	205,831.90
Maragondon	980.00	980.00	2,537,046
Cut flowers (in dozen) & Ornamentals (in pots)	19.29	19.29	180,523.00
Cut flowers	4.61	4.61	25,308.90
Silang	4.23	4.23	23,498.74
Trece Martires City	0.30	0.30	1,626.66
General Emilio Aguinaldo	0.08	0.08	183.50
Ornamentals	14.68	14.68	180,523.00
Silang	9.68	9.68	173,999.00
Amadeo	1.00	1.00	1,522.00
Trece Martires City	4.00	4.00	5,002.00

Source: Office of the Provincial Agriculturist, Trece Martires City

Bamboo is one of the most popular raw materials used in furniture and decorations. Maragondon was the only municipality engaged in bamboo production, registering a

total of almost 2.537M poles. Meanwhile, cut flowers registered production of 25,308.90 dozen while ornamentals were posted at 180,523 pots. Silang is the major producer of cut flowers and ornamentals with 23,498.74 dozen and 173,999 pots, respectively.

Livestock and Poultry

Livestock and Poultry Inventory refers to the actual number of animals (in heads) present in the farm as of a specific reference date, also called livestock and poultry numbers, stocks, or population (*Philippine Statistics Authority*). Livestock and poultry have generated considerable interest among farmers as one of the profitable components of the farming system in the province. These play a vital role in agriculture, as they not only produce food directly but for many smallholder farmers, these can be a ready source of cash to buy the inputs they need to increase their crop production.

In 2020, the total cattle population reached 20,191 heads, by which 81.37% or 16,429 heads were raised in backyard farms, while the remaining 18.63% or 3,762 heads were raised in commercial farms. Carabao production totaled 2,539 heads, by which 2,254 heads (88.78%) were raised in backyard farms while 285 heads (11.22%) were raised in commercial farms. Meanwhile, it is noticeable that the swine population in commercial farms is higher than that of backyard farms totaling 216,450 (89.93%) and 24,226 heads (10.07%), respectively.

Backyard Livestock and Poultry Population

Swine raising was the top backyard livestock raising activity in the province with a population of 24,226 heads. This decreased by 4,023 heads compared to 2019 population of 28,249 heads. The City of Dasmariñas registered the highest number of swine raised at 2,674 heads followed by General Emilio Aguinaldo having 2,447 heads.

Next to swine raising was cattle raising with a population of 16,429 heads. Tanza posted the largest number of populations with 1,985 heads. Meanwhile, goat raising with a population of 11,520 heads declined by 197 heads. The City of General Trias has the highest number of goats raised with 1,502 followed by Maragondon having 1,463 heads. Additionally, carabao raising totaled to 2,254 heads, a decrease of 794 heads compared to 3,048 in 2019 while horse and sheep raising have a combined population of 3,140 heads. Carmona has the highest number of horses raised with 1,045 and Tanza topped in sheep raising registered at 750 heads.

On the other hand, the primary backyard poultry raising activity was the raising of chicken with a population of 694,551 heads. Amadeo registered the highest number of populations raised at 576,552 heads. Raising of ducks followed next reported at 21,231 heads with 5,129 heads registered at City of General Trias while goose and quail raising was posted at 1,459 heads and 570 heads, respectively.

Table 4.22 Backyard Livestock and Poultry Population by City/Municipality, Province of Cavite: 2020

City/Municipality	Livestock Population (heads)					Poultry Population (heads)				
	Cattle	Carabao	Swine	Horse	Goat	Sheep	Chicken	Duck	Goose	Quail
1st District	102	11	306	-	608	12	6,869	1,094	90	-
Cavite City	-	-	-	-	61	12	110	271	2	-
Kawit	41	9	173	-	235	-	4,059	335	-	-
Noveleta	61	2	133	-	312	-	2,700	488	88	-
Rosario	-	-	-	-	-	-	-	-	-	-
2nd District	148	4	269	8	164	-	46	-	-	-
City of Bacoor	148	4	269	8	164	-	46	-	-	-
3rd District	637	21	1,498	54	948	-	9,082	2,744	-	-
City of Imus	637	21	1,498	54	948	-	9,082	2,744	-	-
4th District	572	118	2,674	16	373	21	13,867	2,801	158	88
City of Dasmariñas	572	118	2,674	16	373	21	13,867	2,801	158	88
5th District	1,949	96	3,010	1,083	1,953	17	27,249	2,422	144	220
Carmona	937	32	1,567	1,045	1,446	-	11,861	1,450	25	-
General Mariano Alvarez	44	5	-	2	313	-	3,725	632	93	220
Silang	968	59	1,443	36	194	17	11,663	340	26	-
6th District	1,927	494	1,169	4	1,502	-	13,984	5,129	343	-
City of General Trias	1,927	494	1,169	4	1,502	-	13,984	5,129	343	-
7th District	4,872	462	3,646	303	2,318	758	585,895	4,824	414	250
Amadeo	480	10	1,086	19	221	8	576,552	770	74	250
Indang	1,540	40	1,217	242	777	-	3,919	179	19	-
Tanza	1,985	398	925	34	885	750	4,544	3,195	131	-
Trece Martires City	867	14	418	8	435	-	880	680	190	-
8th District	6,222	1,048	11,654	782	3,654	82	37,559	2,217	310	12
Alfonso	1,368	91	2,090	67	412	28	9,325	587	78	1
General Emilio Aguinaldo	560	16	2,447	66	200	4	2,944	279	5	-
Magallanes	978	391	1,667	419	507	-	10,125	160	-	-
Maragondon	1,650	383	1,918	110	1,463	4	2,944	279	5	-
Mendez-Núñez	124	13	262	18	109	19	1,380	307	29	-
Naic	767	130	2,248	14	496	7	4,311	298	73	11
Tagaytay City	638	15	627	86	287	20	2,205	57	-	-
Ternate	137	9	395	2	180	-	4,325	250	120	-
Total	16,429	2,254	24,226	2,250	11,520	890	694,551	21,231	1,459	570

Source: Office of the Provincial Veterinarian, Trece Martires City

Livestock and Poultry Population in Commercial/Semi-Commercial Farms

Based on the data gathered from Office of the Provincial Veterinarian, hogs raised in commercial/semi-commercial farms make up the largest livestock population registered at 216,450 heads. The population declined by 156,427 heads compared to 2019 population of 372,877. City of General Trias posted the highest hog population with 50,217 heads, followed by Gen. Emilio Aguinaldo registered at 34,509 heads.

Production of cattle went down by 331 heads. In 2020, it is registered at 3,762 heads compared to 4,093 in 2019. Tanza raised 1,149 heads, the largest production, followed by Trece Martires City with 725 heads. Furthermore, goat production recorded at 3,229 went up by 202 heads compared to 3,027 heads in 2019. Maragondon topped in goat raising with 853 heads.

Duck and quail production posted 6,524 heads and 51,500 heads, respectively, while breeder was recorded at 987,827 heads, layer at 1,033,027 heads, contract broiler at 4,646,500 heads and game fowl breeder at 107,259 heads.

According to the Office of the Provincial Veterinarian, despite the increasing demand for meat (beef, pork and poultry meat) due to increase in human population, market price and prevailing farm gate price of different livestock commodities increase brought about by Covid-19 pandemic. However, the province slightly declines its live production for livestock (backyard and commercial) due to the effect of Covid-19 pandemic, threat of avian influenza and other diseases, occurrence of African Swine Fever (ASF) in some cities/municipalities within the province, LGU ordinance on banning expansion and establishment of poultry and piggery farms and land conversion from agricultural to commercial land use, among others.

Table 4.23 Number of Population in Commercial/Semi-Commercial Livestock & Poultry Farms by City/Municipality, Province of Cavite: 2020

City/Municipality	Livestock Population (heads)					Poultry Population (heads)					
	Cattle	Carabao	Hog	Goat	Sheep	Duck	Quail	Breeder	Layer	Contract Broiler	Game fowl Breeder
1st District	-	-	73	-	-	-	-	-	-	-	1,073
Cavite City	-	-	73	-	-	-	-	-	-	-	1,073
Kawit	-	-	-	-	-	-	-	-	-	-	-
Noveleta	-	-	-	-	-	-	-	-	-	-	-
Rosario	-	-	-	-	-	-	-	-	-	-	-
2nd District	-	-	-	-	-	-	-	-	-	-	-
City of Bacoor	-	-	-	-	-	-	-	-	-	-	-
3rd District	-	-	1,529	-	-	-	15,500	-	15,000	-	807
City of Imus	-	-	1,529	-	-	-	15,500	-	15,000	-	807
4th District	579	-	9,522	521	30	220	-	3,000	26,400	197,000	4,347
City of Dasmariñas	579	-	9,522	521	30	220	-	3,000	26,400	197,000	4,347
5th District	383	-	1,894	162	20	700	500	11,800	8,000	82,000	67,788
Carmona	-	-	-	-	-	-	-	-	-	-	968
General Mariano Alvarez	-	-	-	-	-	-	-	-	8,000	-	-
Silang	383	-	1,894	162	20	700	500	11,800	-	82,000	66,820
6th District	190	116	50,217	639	31	2,800	-	-	-	-	2,703
City of General Trias	190	116	50,217	639	31	2,800	-	-	-	-	2,703
7th District	2,203	169	88,116	917	240	729	35,500	469,200	320,427	1,352,000	14,086
Amadeo	318	-	3,679	177	-	450	500	95,200	229,927	242,000	3,895
Indang	11	-	22,517	-	-	-	35,000	374,000	50,500	290,000	3,230
Tanza	1,149	169	29,951	305	240	279	-	-	-	100,000	1,904
Trece Martires City	725	-	31,969	435	-	-	-	-	40,000	720,000	5,057
8th District	407	-	65,099	990	136	2,075	-	503,827	663,200	3,015,500	16,455
Alfonso	20	-	3,664	-	-	-	-	98,827	16,700	-	611
General Emilio Aguinaldo	-	-	34,509	32	84	-	-	68,000	96,500	660,500	3,885
Magallanes	20	-	1,726	105	40	-	-	167,000	280,000	198,000	2,020
Maragondon	327	-	3,491	853	-	1,300	-	-	30,000	373,000	5,049
Mendez-Núñez	40	-	265	-	12	450	-	-	-	-	3,160
Naic	-	-	10,644	-	-	325	-	170,000	240,000	1,784,000	700
Tagaytay City	-	-	-	-	-	-	-	-	-	-	-
Ternate	-	-	10,800	-	-	-	-	-	-	-	1,030
Total	3,762	285	216,450	3,229	457	6,524	51,500	987,827	1,033,027	4,646,500	107,259

Source: Office of the Provincial Veterinarian, Trece Martires City

Fisheries

Fisheries refer to all activities relating to the act or business of fishing, culturing, preserving, processing, marketing, developing, conserving, and managing aquatic resources and the fishery areas, including the privilege to fish or take aquatic resources thereof. Fisheries production is the quantity of fish unloaded in the landing center, caught in inland bodies of water and/or harvested or produced from aqua farms; presented in metric tons (*Philippine Statistics Authority*).

The province of Cavite has a coastline of 122.57 kilometers abound in aquatic resources. It puts the fishery stakeholders and fisherfolks in a strategic position to pursue and sustain fishing activities, thereby complementing the Provincial Government's thrust towards food security, job, and income generation in the agriculture sector. There are three fishing grounds in Cavite. These are the Manila Bay, Bacoor Bay, and Canacao Bay. Moreover, the 14 municipal fish landing areas are located in Cavite City, Noveleta, Rosario, City of Bacoor, Naic, Tanza and Ternate. At the same time, Pandawan Fish Port, Capipisa Landing Center, Amaya Landing Center and Sineguelasan Fish port are the commercial landing areas in Cavite located at Rosario, Tanza and City of Bacoor.

Table 4.24 Commercial and Municipal Fish Landing Areas, Province of Cavite: 2020

City/Municipality	Fish landing Areas	
	Commercial	Municipal
Noveleta		San Rafael IV
Rosario	Pandawan or the Rosario Municipal Landing Center II	Ligtong I
Cavite City		Barangay 10B, Barangay 11, Barangay 37M, Barangay 48M, Dalahican (seasonal)
City of Bacoor	Sineguelasan Fishport	Alima & Digman
Tanza	Capipisa Landing Center & Amaya Landing Center	Julugan 1
Naic		Munting Mapino, Labac & Bucana
Ternate		Malaki
		Poblacion 2 & San Jose

Source: Office of the Provincial Agriculturist, Trece Martires City

The data on fish production in the province are presented in municipal, commercial, and aquaculture. As also defined by the Philippine Statistics Authority, municipal fishing covers fishing operations carried out with or without the use of a boat weighing three gross tons or less. Commercial fishing is the catching of fish with the use of fishing boats with a capacity of more than three gross tons. Aquaculture covers fishery operations involving all forms of raising and culturing of fish and other fishery species in marine, brackish and freshwater environments. Examples are fishponds, fish pens, fish cages, mussel, oyster, seaweed farms, and hatcheries.

Aquaculture Fisheries

In 2020, an increase in production was observed in freshwater fishpond from 36.97 metric tons to 251.17 metric tons. This was due to the dispersal of tilapia and bangus fingerlings to fisherfolks through the program ALPAS COVID-19 (Ahon Lahat, Pagkain Sapat Kontra sa COVID-19) launched by the Department of Agriculture. The program was implemented nationwide to ensure the availability of the food during the pandemic. The Province of Cavite was one of the beneficiaries of this program. It was then implemented by the BFAR IV-A in coordination with the Office of the Provincial Agriculturist and respective LGU's of Cavite.

Production from brackish water aquaculture posted at Kawit and City of Bacoor totaled to 41.00 metric tons. Species cultured are grouper, bangus, tilapia and crab.

Table 4.25 Freshwater and Brackish Water Fishpond Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Production (metric tons)	
	Freshwater	Brackish Water
Kawit		40.00
Noveleta	23.00	
City of Bacoor	6.00	1.00
City of Imus	3.64	
General Mariano Alvarez	1.70	
Silang	11.46	
Amadeo	2.64	
Tanza	113.66	
Trece Martires City	1.60	
Alfonso	0.68	
Magallanes	6.91	
Maragondon	2.44	
Naic	77.44	
Total	251.17	41.00

Source: Office of the Provincial Agriculturist, Trece Martires City

Meanwhile, mussel industry registered production of 7,678.53 metric tons in 2020 by which City of Bacoor obtained the highest share having 6,643.09 metric tons output. Cavite City followed with 1,010.05 metric tons. Additionally, oyster industry in the province posted 234.00 metric tons output. Ternate was the leading producer having 160.00 metric tons. Naic followed with 42.00 metric tons. Fish cage production from Kawit posted at 2.78 metric tons while 4.90 metric tons came from the City of Bacoor. Species cultured are bangus, tilapia, crab and grouper.

Table 4.26 Mussel, Oyster and Fish Cage Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Production (metric tons)			Species Cultured
	Mussel	Oyster	Fish Cage	
Cavite City	1,010.05	5.94		
Kawit	11.86	10.06	2.78	grouper
City of Bacoor	6,643.09	16.00	4.90	bangus, tilapia, crab, grouper
Naic	3.98	42.00		
Ternate	9.553	160.00		
Total	7,678.53	234.00	7.68	

Source: Office of the Provincial Agriculturist, Trece Martires City

Municipal Fisheries

Due to climate change, environmental condition, pollution, changes in composition and abundance of the fish species and reproduction cycle, overexploitation of the fisheries resources, and overfishing in some fishing grounds, municipal fisheries production reported a decrease in production in 2020 totaling to 4,563.626 metric tons compared to 2019 record of 7,289.32 metric tons.

The City of Bacoar has the highest fish catch posted at 901.069 metric tons, followed by Tanza with 815.256 metric tons. Rosario registered 740.978 metric tons while Naic contributed 723.099 metric tons output.

Commonly caught species in municipal fisheries are indian mackerel (kabayas), fimbriated sardines (tunsoy), blue crab (alimasag), acetes (alamang), threadfin bream (bisugo), hairtail (espada), indo-pacific mackerel (hasa-hasa), and slipmouth (sapsap).

Table 4.27 Municipal Fisheries Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Production (metric tons)	Type of Gear Used
Cavite City	318.364	Hook & line, longline & gill net
Kawit	300.905	gillnet, cast net, crab pot, hook & line, longline, buntol, baklad
Noveleta	271.855	squid jigger, hook & line, longline, crab pot, push net, pukot
Rosario	740.978	gill net, crab pot, hook & line, cast net, spear, squid jigger
City of Bacoar	901.069	gill net, hook and line, spear, lift net, crab lift net
Tanza	815.256	gillnet, push net, hook & line, crab net, squid jigger
Naic	723.099	gillnet, squid jigger, multiple hook & line, crab pot, spear

Source: Office of the Provincial Agriculturist, Trece Martires City

Commercial Fisheries

This type of fishing activity was registered under the Bureau of Fisheries and Aquatic Resources (BFAR). Production totaled 4,079.42 metric tons by which Tanza posted the highest fish catch with 2,050.80 metric tons, Naic followed with 1,018.10 metric tons and Rosario with 1,010.52 metric tons.

Commonly caught species in commercial fisheries are fimbriated sardines (tunsoy), indian mackerel (kabayas), indo-pacific mackerel (hasa-hasa), frigate tuna (tulingan), squid (pusit), acetes (alamang), hairtail (espada), blue crab (alimasag) and slipmouth (sapsap).

Table 4.28 Commercial Fisheries Production by City/Municipality, Province of Cavite: 2020

City/Municipality	Production (metric tons)	Type of Gear Used
Rosario	1,010.52	lawlawan, trawl, gill net, bagnet, ringnet
Tanza	2,050.80	push net, encircling gill net
Naic	1,018.10	gill net
Total	4,079.42	

Source: Office of the Provincial Agriculturist, Trece Martires City

Food Self-sufficiency Assessment

Self-sufficiency ratio (SSR) shows the magnitude of production concerning domestic utilization. It is the extent to which a country's supply of commodities is derived from its domestic production or to which a country relies on its production resources. A ratio of less than 100 percent indicates the inadequacy of food production to cope with the demand of the population. A ratio equal to 100 percent indicates that the food production capacity of the sector is enough to support the food needs of the population. Lastly, a ratio of greater than 100 percent indicates that local production is more than enough to support the domestic requirements (Food Sufficiency and Security, Philippine Statistics Authority).

The sufficiency level of rice is only 5.96%. Corn sufficiency was at 14.16%. Root crops and coffee sufficiency were at 94.50% and 205.72% percent, respectively while pineapple sufficiency was at 27.57% and banana at 36.96%.

Furthermore, the sufficiency level for beef was at 82.97%. Pork sufficiency level is posted at 55.27% and poultry meat at 13.38%.

Based on the results, the province has an inadequate supply of crops to cope with the demand of the population. It may be said that the province is importing goods to support the needs of the population. However, coffee is abundant in the province resulting in a high sufficiency level.

Table 4.29 Sufficiency Level by Commodity, Province of Cavite: 2020

Commodity	Per Capita Requirement	Production (metric tons)	Consumption (metric tons)	Sufficiency Level (%)
Crops				
Rice	0.10704	27,733.96	465,070.50	5.96
Corn	0.0062	3,814.37	26,937.94	14.16
Vegetables	0.039	29,555.90	169,448.33	17.44
Root crops	0.00429	17,614.92	18,639.32	94.50
Coffee	0.0006	5,362.82	2,606.90	205.72
Banana	0.028	44,959.59	121,655.21	36.96
Pineapple	0.028	33,544.39	121,655.21	27.57
Mango	0.028	18,170.57	121,655.21	14.94
Papaya	0.028	4,796.73	121,655.21	3.94
Meat				
Pork	0.013	31,396.01	56,800.11	55.27
Beef	0.00182	6,597.80	7,952.01	82.97
Poultry Meat	0.00814	4,759.45	35,565.61	13.38
2020 Population		4,344,829		

Source: Office of the Provincial Agriculturist and Office of the Provincial Veterinarian, Trece Martires City

Formula for Sufficiency Level:

Consumption = Population x Per Capita Requirement

Sufficiency Level (%) = Total Production/Total Consumption X 100

Agricultural Support Facilities

Support facilities for livestock and poultry production include dressing plants, slaughterhouses, and meat processing plants.

As defined by the Philippine Statistics Authority, slaughterhouse (also, Abattoir) refers to the premises that are approved and registered by a controlling authority in which food animals are slaughtered and dressed for human consumption.

Slaughterhouse, Locally Registered is a slaughterhouse that has not satisfied the set of criteria for accreditation by the National Meat Inspection Service (NMIS) but is allowed by the Local Government Units (LGUs), for example, city/municipal government institution to operate as such.

Slaughterhouse/Poultry Dressing Plant, Accredited is a slaughterhouse/poultry dressing plant that has satisfied the set of criteria for accreditation by the National Meat Inspection Service (NMIS).

- Slaughterhouse/Poultry Dressing Plant, Accredited, **Single A (A)** is a slaughterhouse with facilities and procedures of minimum adequacy for making the meat of livestock and fowls slaughtered suitable for distribution and sale only within the city or municipality where the slaughterhouse is located.
- Slaughterhouse/Poultry Dressing Plant, Accredited, **Double A (AA)** is a slaughterhouse with facilities and operational procedures sufficiently adequate for slaughtering livestock and fowl, making the meat suitable for sale in any local or national market.
- Slaughterhouse/Poultry Dressing Plant, Accredited, **Triple A (AAA)** is a slaughterhouse with facilities and operational procedures appropriate for slaughtering livestock and fowl, making the meat suitable for sale in any domestic or international market.

Dressing plants totaled 60, 59 falls under locally registered meat establishment (LRME) and one (1) at AA category while slaughterhouse was posted at 76 wherein 69 are under locally registered meat establishment, six (6) at AA category and one (1) at AAA category. Meat processing plants totaled to three (3), two (2) of these are AAA category, and one (1) falls under the AA category. No facilities fall under the class A category.

Other support facilities include feed mills (4), feed dealers/veterinary drugstores (329), veterinary/animal clinics (101), meat shops (1,149), and pet shops (78). The names of these facilities are available at the Office of the Provincial Veterinarian.

In addition, post-harvest and agricultural facilities for farming are essential to achieve maximum productivity and efficiency in the agricultural sector. Existing farm equipment for production and post-harvest facilities in the province are presented at the following table.

Table 4.30 Production and Post-Harvest Farm Equipment, Province of Cavite: 2020

Type of Farm Equipment	Number of Farm Equipment
Coffee	
Mill/Grinder	18
Dryer	10
Depulper	5
Roaster	8
Huller	4
Corn	
Mill	3
Sheller	2
Thresher	90
Rice	
Mill	26
Hydro/Multi Tiller	15
Rice Harvester/Reaper	17
Rice transplanter	11
Tractor	43
Hand Tractor	331
Warehouse	27
Shredder	30
Cultivator	17
Pruning Shear	961
Pole Pruner	243
Grasscutter	23
Dryer	
Mechanical	2
Flatbed	6
Collapsible	1
MPDP	4
Power Sprayer	13
Knapsack Sprayer	75

Source: Office of the Provincial Agriculturist, Trece Martires City

Table 4.31 Number of Dressing Plant, Slaughterhouse and Meat Processing Plant by City/Municipality, Province of Cavite: 2020

City/Municipality	Dressing Plant		Slaughter House		Meat Processing Plant	
	Number	Class	Number	Class	Number	Class
1st District	8		3		-	
Cavite City	2	LRME	1	LRME	-	-
Kawit	5	LRME	1	LRME	-	-
Noveleta	1	LRME	1	LRME	-	-
Rosario	-	-	-	-	-	-
2nd District	11		4		-	
City of Bacoor	11	LRME	4	LRME	-	-
3rd District	18		2		1	
City of Imus	18	LRME	2	AA	1	AA
4th District	1		2		1	
City of Dasmariñas	1	LRME	2	AA/AAA	1	AAA
5th District	4		4		-	
Carmona	1	LRME	-	-	-	-
General Mariano Alvarez	1	LRME	1	AA	-	-
Silang	2	AA/LRME	3	LRME	-	-
6th District	2		10		1	
City of General Trias	2	LRME	10	LRME	1	AAA
7th District	4		8		-	
Amadeo	-	-	4	LRME	-	-
Indang	2	LRME	1	LRME	-	-
Tanza	2	LRME	2	LRME	-	-
Trece Martires City	-	-	1	AA	-	-
8th District	12		43		-	
Alfonso	2	LRME	10	LRME	-	-
General Emilio Aguinaldo	-	-	8	LRME	-	-
Magallanes	-	-	9	LRME	-	-
Maragondon	3	LRME	9	LRME	-	-
Mendez-Nuñez	-	-	1	LRME	-	-
Naic	4	LRME	1	LRME	-	-
Tagaytay City	-	-	1	AA	-	-
Ternate	3	LRME	4	LRME	-	-
Total	60		76		3	

Source: Office of the Provincial Veterinarian, Trece Martires City

Table 4.32 Number of Other Support Facilities by City/Municipality, Province of Cavite: 2020

City/Municipality	Feed mills	Feed Dealers/ Veterinary Drugstores	Veterinary/ Animal Clinic	Meat Shop	Pet Shop
1st District	-	23	10	177	11
Cavite City	-	13	4	78	6
Kawit	-	5	4	40	2
Noveleta	-	4	2	26	1
Rosario	-	1	-	33	2
2nd District	-	81	14	167	6
City of Bacoor	-	81	14	167	6
3rd District	-	17	19	57	15
City of Imus	-	17	19	57	15
4th District	-	29	21	396	25
City of Dasmariñas	-	29	21	396	25
5th District	2	46	10	123	12
Carmona	-	8	1	1	2
General Mariano Alvarez	-	13	3	34	2
Silang	2	25	6	88	8
6th District	-	27	7	32	3
City of General Trias	-	27	7	32	3
7th District	2	37	8	119	3
Amadeo	-	8	1	14	-
Indang	-	9	2	27	-
Tanza	-	16	2	60	2
Trece Martires City	2	4	3	18	1
8th District	-	69	12	78	3
Alfonso	-	20	1	30	1
General Emilio Aguinaldo	-	14	-	6	-
Magallanes	-	4	1	8	-
Maragondon	-	6	2	13	-
Mendez-Nuñez	-	8	1	2	-
Naic	-	11	1	10	1
Tagaytay City	-	4	6	6	1
Ternate	-	2	-	3	-
Total	4	329	101	1,149	78

Source: Office of the Provincial Veterinarian, Trece Martires City

Agrarian Reform

Department of Agrarian Reform is the lead implementing agency of the Comprehensive Agrarian Reform Program (CARP). It undertakes land tenure improvement, development of program beneficiaries, and agrarian justice delivery.

2020 DAR-Cavite Accomplishment Report

by Trigedia J. Rebolledo, Planning Officer II,
DAR-Cavite

The implementation of CARP in the province of Cavite centers on three major program components, namely, Land Tenure Security Program (LTSP) mainly operationalized by the Land Tenure Improvement Division; Agrarian Justice Delivery Program (AJDP) implemented by the Legal Division and the Office of the Provincial Adjudicator; and the Agrarian Reform Beneficiaries Development and Sustainability Program (ARBDSP) implemented by Program Beneficiaries Development Division.

Land Tenure Security Program (LTSP)

Land Tenure Security Program seeks to secure the tenurial status of the farmers and farm workers in the lands they till. It has three subprograms namely: Land Acquisition and Distribution (LAD), Non-Land Transfer or Leasehold Operations, and Post-Land Distribution.

LAD involves the redistribution of government and private agricultural lands to landless farmers and farm workers. It secures farmers' tenure, promotes social equity, and provides them with necessary productive resources needed to ensure their economic viability and productivity.

The Land Acquisition and Distribution component of LTSP have six milestones, namely, Claim Folder Documentation, Land

Survey, Land Valuation, Emancipation Patents (EP)/Certificates of Land Ownership Awards (CLOA) Registration, EP/CLOA Distribution and Agrarian Reform Beneficiaries (ARBs) installation.

Leasehold operation covers all tenanted agricultural lands such those in the retained areas, not yet acquired for distribution under CARP, and those which may be validly covered under existing laws.

The post-land distribution is categorized into Subdivision and Re-documentation of Collective Certificate of Land Ownership Awards (CLOAs), Re-documentation of Distributed but Not Yet Paid (DNYP) Lands, Final Survey Documentation, Preparation of Land Distribution Information Schedule (LADIS) and Installation of uninstalled Agrarian Reform Beneficiaries (ARBs).

Table 4.33 Accomplishment on Land Tenure Security Program, Province of Cavite: 2020

Programs/Sub-programs/Performance Indicators	Target	Accomplished
Land Acquisition and Distribution		
Claim folder preparation and documentation		
Number of landholdings with Claim Folder documentation completed	3	3
Area covered (in hectares)	10.4729	12.8447
Number of farmer beneficiaries identified	5	14
Land Survey		
Area (in hectares) with Approved Survey Plans (ASPs)	10.4729	20.8040
Land Valuation		
Number of landholdings with Memo of Valuation (MOV)	3	2
Area (in hectares) with MOV	10.4729	8.3903
EP/CLOA Registration		
Gross area (in hectares) covered by registered EPs/CLOAs	10.4729	8.3903
Number of ARBs awarded with EPs /CLOAs	5	3
EP/CLOA Distribution		
Area (in hectares) already covered by awarded EPs/CLOAs	10.4729	13.9837
Number of ARBs awarded with EPs/CLOAs	10	15
ARB Installation (covering distribution during the year)		
Number of ARBs actually installed	10	15
Non-Land Transfer Activities		
Leasehold Operations		
Area (in hectares) covered by registered leasehold contract	10.0000	13.0000
Post-Land Distribution Activities		
Redocumentation of DNYP lands		
Number of hectares with redocumentation folders	8.2219	8.2219
Preparation of LADIS		
Number of ARBs with LADIS	80	100
ARB Installation (accumulated/previous years' backlog)		
Number of installed ARBs	80	80

Source: Department of Agrarian Reform, Trece Martires City

LAD accomplishment for the year 2020 totaled 8.3903 hectares. Out of these, 3.3834 hectares are CARP area while the 5.0069 hectares is a Non-CARP area. This includes sections of landholdings which are retention areas for landowners and areas not suited for agriculture (roads, easements, creeks, eroded portions, etc.). As of December 2020, DAR's LAD cumulative accomplishment by city/municipality totaled 10,235.8442 hectares, wherein 9,128.3917 with 8,067 ARBs are private agricultural areas, and 1,107.4525 hectares with 1,695 ARBs are non-private agricultural lands.

Table 4.34 Cumulative Land Acquisition and Distribution (LAD) Accomplishment by City/Municipality, as of December 2020

City/Municipality	Private Agricultural Lands (PAL)		Non-Private Agricultural Lands (PAL)		Total Accomplishment	
	Area (hectares)	Number of Agrarian Reform Beneficiaries (ARBs)	Area (hectares)	Number of Agrarian Reform Beneficiaries (ARBs)	Area (hectares)	Number of Agrarian Reform Beneficiaries (ARBs)
1st District	11.5651	6	-	-	11.5651	6
Cavite City	-	-	-	-	-	-
Kawit	11.5651	6	-	-	11.5651	6
Noveleta	-	-	-	-	-	-
Rosario	-	-	-	-	-	-
2nd District	115.5524	116	4.7873	3	120.3397	119
City of Bacoor	115.5524	116	4.7873	3	120.3397	119
3rd District	191.7556	138	1.9195	1	193.6751	139
City of Imus	191.7556	138	1.9195	1	193.6751	139
4th District	540.1903	443	174.6362	241	714.8265	684
City of Dasmariñas	540.1903	443	174.6362	241	714.8265	684
5th District	926.4579	1,072	888.2138	1,426	1,814.6717	2,498
Carmona	33.9053	59	464.7121	833	498.6174	892
General Mariano Alvarez	79.2129	173	0.7106	2	79.9235	175
Silang	813.3397	840	422.7911	591	1,236.1308	1,431
6th District	998.6723	1,277	-	-	998.6723	1,277
City of General Trias	998.6723	1,277	-	-	998.6723	1,277
7th District	1,292.0061	994	37.4273	22	1,329.4334	1,016
Amadeo	31.2702	46	-	-	31.2702	46
Indang	386.0332	375	-	-	386.0332	375
Tanza	614.6778	364	7.6912	8	622.3690	372
Trece Martires City	260.0249	209	29.7361	14	289.7610	223
8th District	5,052.1920	4,021	0.4684	2	5,052.6604	4,023
Alfonso	207.8911	245	-	-	207.8911	245
General Emilio						
Aguinaldo	252.2646	246	-	-	252.2646	246
Magallanes	2,544.5880	2,052	-	-	2,544.5880	2,052
Maragondon	1,072.1032	638	-	-	1,072.1032	638
Mendez-Núñez	7.9259	2	-	-	7.9259	2
Naic	693.7508	561	-	-	693.7508	561
Tagaytay City	242.2621	257	-	-	242.2621	257
Ternate	31.4063	20	0.4684	2	31.8747	22
Total	9,128.3917	8,067	1,107.4525	1,695	10,235.8442	9,762

Source: Department of Agrarian Reform, Trece Martires City

Agrarian Justice Delivery Program (AJDP)

DAR is vested with the primary jurisdiction to determine and adjudicate agrarian reform matters and extend free legal assistance to farmer-beneficiaries affected by agrarian cases. The delivery of agrarian justice has two features: the Adjudication of Cases and Agrarian Legal Assistance.

Adjudication of cases involves the resolution of cases by the DAR Adjudication Board (DARAB) and any of its salas. There are three types of cases under this program namely: judicial or court cases, quasi-judicial, and cases related to agrarian law implementation (ALI). The first two types involve representation of farmers by DAR lawyers before the regular courts and DAR Adjudication Board, respectively. The third type involves the administrative rendering of decision on exemption, conversion and retention. DAR utilizes more aggressive alternative dispute resolution techniques in mediation to reduce conflicts maturing into court cases. The general objective is to persuade the contending parties to settle their disputes amicably or out of court before the DAR.

Agrarian legal assistance is comprised of resolution of agrarian law implementation (ALI) cases, ARB

representation before judicial and quasi-judicial bodies, and mediation and conciliation. It is divided into two (2) components: Legal Advisory and Enforcement. Legal Advisory involves legal services provided to agrarian reform beneficiaries (ARB) and landowner clients such as mediation and representation in judicial and quasi-judicial courts. As per measurement for the agency's final scorecards on this subprogram, clients' requests for legal services are responded to within fifteen days. Enforcement includes agrarian cases acted upon for adjudication or resolution and resolution of annual Agrarian Law Implementation (ALI) caseloads. Adjudication within three months of agrarian related cases is assessed under this subprogram.

Table 4.35 Accomplishment on Agrarian Justice Delivery Program, Province of Cavite: 2020

Programs/ Sub-programs/Performance Indicators	Target	Accomplished
Adjudication of Agrarian Reform Cases		
Case Resolution	60	74
Mediation	55	97
Post Judgement Proceedings	15	12
Implementation/Execution of Resolutions, Decisions, Orders	25	0
Resolution of Agrarian Law Implementation Cases		
Resolution of Cases	20	23
Land Transfer Clearances	339	573
Referral Cases	5	1
Cancellation of Applications	50	0
Monitoring of Granted Conversion	37	30
Monitoring of Illegally converted lands	3	3
Provision of Agrarian Legal Assistance		
Mediation	176	186
Representation in Judicial Courts	17	5
Representation in Quasi-Judicial Bodies	40	61

Source: Department of Agrarian Reform, Trece Martires City

Agrarian Reform Beneficiaries Development and Sustainability Program (ARBDSP)

It is the third major component of the agrarian reform program that aims to capacitate ARBs and provide them access to necessary support services to make their land productive. It constitutes development interventions from DAR and other government agencies through training programs and construction and rehabilitation of infrastructure facilities. It is likewise concerned with the systematic delivery of support services needed to accelerate the socio-economic development of the ARBs and the rural communities where they live. Throughout the years, the delivery of support services gradually evolved to become a holistic development approach that includes both physical and social infrastructure programs.

ARBDSP is implemented through the following sub-programs: Supervision and Management for Effective Delivery of Support Services ((SMEDSS), Social Infrastructure Building (SIB), Enterprise Development and Economic Support (EDES), and Climate Resilient Farm Productivity Support (CRFPS).

Table 4.36 Accomplishments on Agrarian Reform Beneficiaries Development & Sustainability Program, Province of Cavite: 2020

Programs/ Sub-programs/Performance Indicators	Target	Accomplished
Supervision and Management for Effective Delivery of Support Services (SMEDSS)		
Conduct of IT-Enabled Maturity Assessment (ITEMA)		
Number of ARB Organizations assessed	22	27
Sustainability monitoring of Infra previously completed and turned-over to LGUs for maintenance		
Number of functional infrastructures maintained	16	16
Social Infrastructure Building (SIB)		
Organizational Development & Strengthening		
Number of ARBOs Involved	19	30
Number of ARBs trained	1,407	1,345
ARB Organizing/Development		
Number of ARBs trained	55	190
ARB Membership Recruitment		
Number of ARBOs Involved	10	10
Number of new ARB members in organization	50	110
Enterprise Development and Economic Support (EDES)		
Development of Products/Services		
Number of products and services developed	1	2
Number of ARBOs involved	1	2
Number of ARBs trained	30	45
Provision of Business Development Services		
Number of ARBOs involved	5	6
Number of ARBs trained	150	390
Provision of Credit and Microfinance Services		
Number of organizations provided with credit	5	9
Number of ARBs provided with credit services	200	202
Number of ARBs provided with microfinance services	300	338
Provision of Support Facilities and Equipment		
Number of ARBOs provided	1	1
Climate Resilient Farm Productivity Support (CRFPS)		
Provision of Agricultural Extension Services and Farm Inputs		
Number of ARBOs provided with AES & farm inputs	2	2
Number of ARBs trained	80	95
Provision of Farm Machinery and Equipment/Implements		
Number of ARBOs provided with farm machinery and equipment/implements	2	2

Source: Department of Agrarian Reform, Trece Martires City