



SPECIAL RELEASE

Caraga's Palay Situation Report for 2020

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Caraga's palay production increase by 12.01 percent in 2020

Caraga's total palay production in 2020 increased by 12.01 percent from 449,369.83 metric tons in 2019 to 503,330.88 metric tons in 2020. The acceleration of production was attributed by the increase of 7.36 percent in area harvested. Total area harvested in 2020 was estimated at 156,073 hectares which was 10,706 hectares higher compared with last year's level of 145,367 hectares. Likewise, the yield per hectare increased by 4.21 percent from 3.09 metric tons per hectare in 2019 to 3.22 metric tons per hectare in 2020.

Table 1. Palay: Crop estimates, by ecosystem, Caraga, January-December, 2018-2020

ITEM	2018	2019	2020	Percent Change	
				2019/2018	2020/2019
PRODUCTION (MT)					
All Ecosystem	510,071	449,370	503,331	(11.90)	12.01
Irrigated	334,428.20	289,994	334,642	(13.29)	15.40
Rainfed	175,642.52	159,376	168,689	(9.26)	5.84
AREA HRVSTD (Ha)					
All Ecosystem	160,282	145,367	156,073	(9.31)	7.36
Irrigated	96,722	86,302	97,247	(10.77)	12.68
Rainfed	63,560	59,065	58,826	(7.07)	(0.40)
YIELD/HECTARE					
All Ecosystem	3.18	3.09	3.22	(2.83)	4.21
Irrigated	3.46	3.36	3.44	(2.89)	2.38
Rainfed	2.76	2.70	2.87	(2.17)	6.30

Source: Philippine Statistics Authority, Palay Production Survey (PPS)



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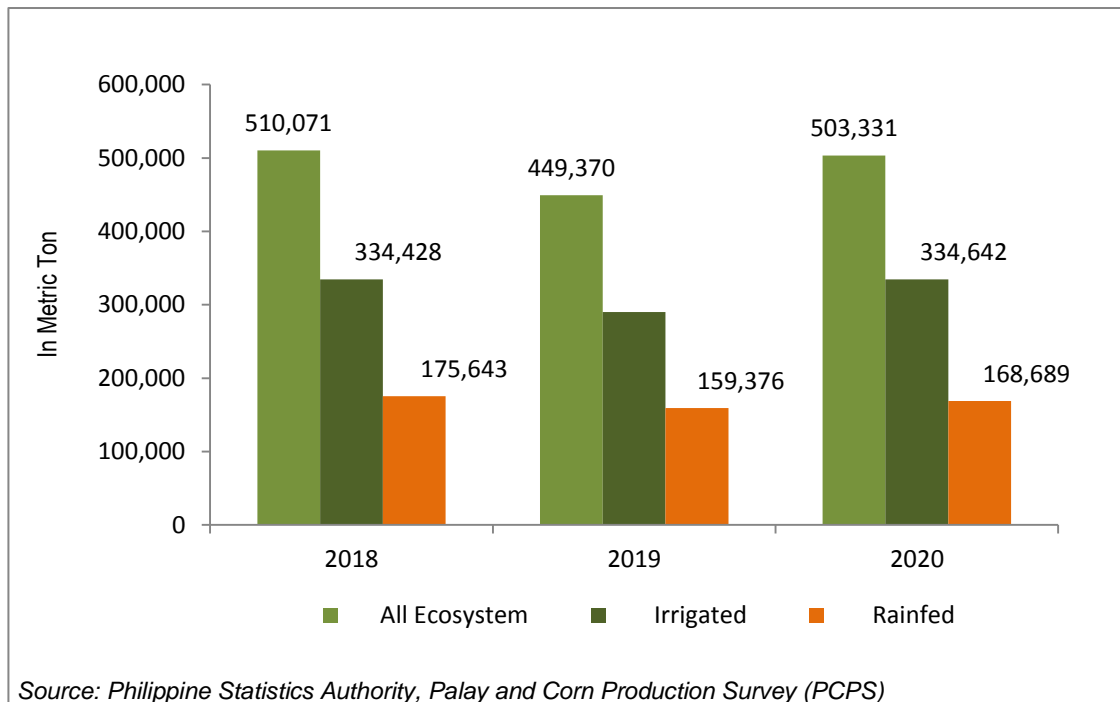


Figure 1. Palay: Volume of Production, by Ecosystem, Caraga, 2018-2020

Production of irrigated palay contributes 66.49 percent of the total palay production in the region. It showed a positive growth of 15.40 percent from 289,994 metric tons in 2019 to 334,642 metric tons in 2020. Similarly, rainfed palay increased by 5.84 percent in 2020 registering a total harvest of 168,689 metric tons. It contributes 33.51 percent of the total palay production in the region.

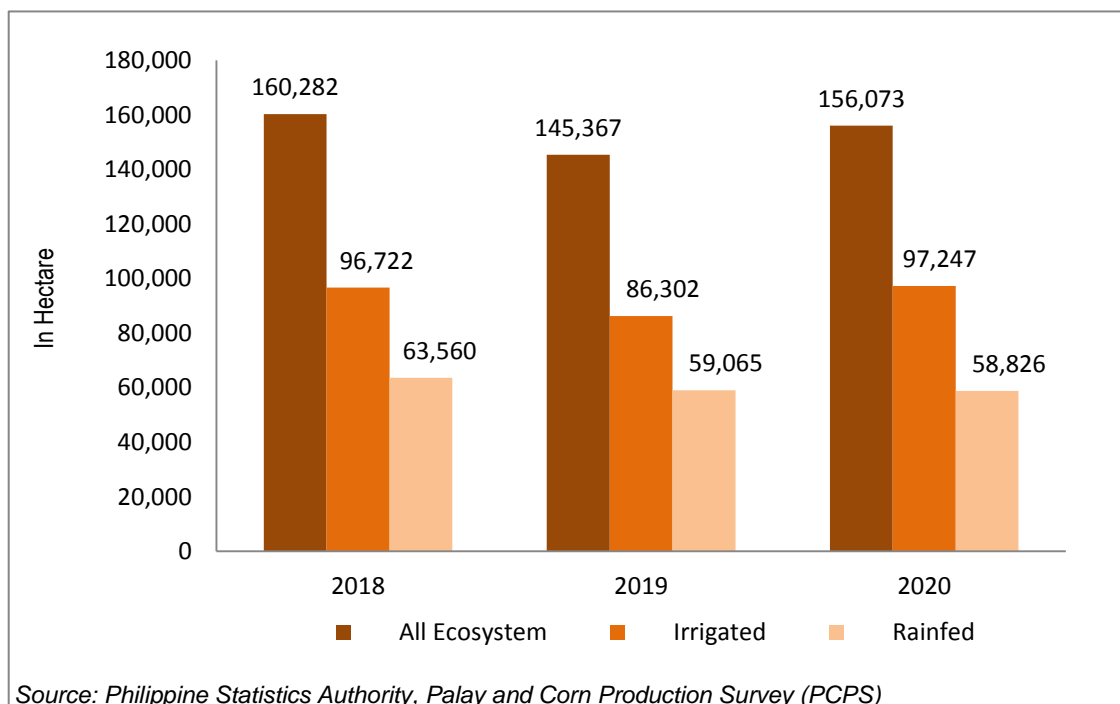


Figure 2. Palay: Area Harvested by Ecosystem, Caraga, 2018-2020



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On the other hand, irrigated palay areas comprised 62.31 percent of the total area harvested in the region. Total area harvested for irrigated palay increased by 12.68 percent from 86,302 hectares in 2019 to 97,247 hectares in 2020. Rainfed palay areas recorded a decrease of 0.40 percent from 59,065 hectares in 2019 to 58,826 hectares in 2020.

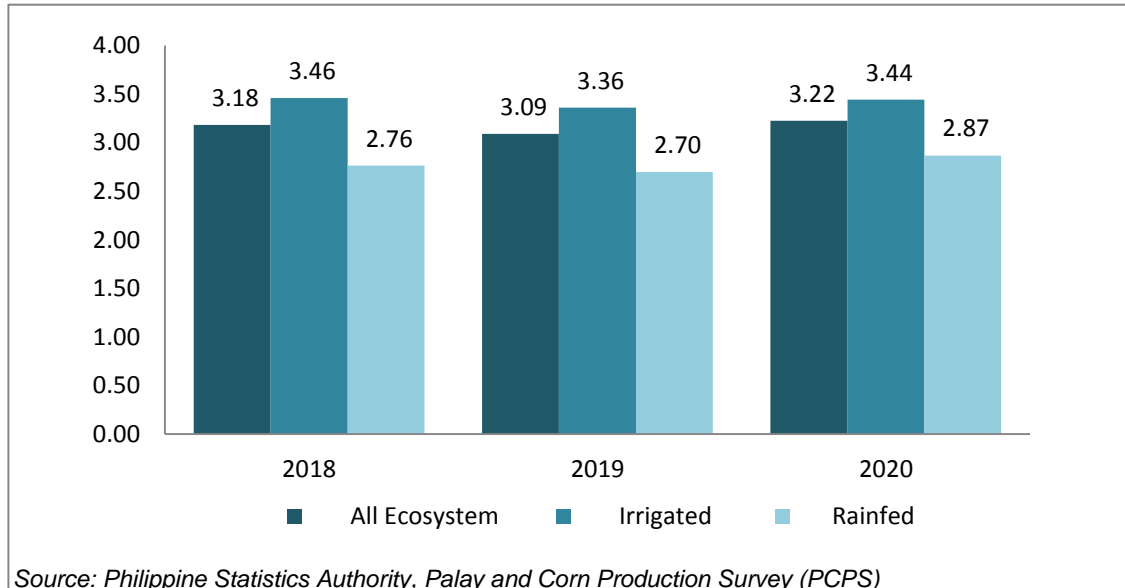


Figure 3. Palay: Yield, by Ecosystem, Caraga, 2018-2020

Caraga’s average yield of palay increased to 3.22 metric tons per hectare in 2020 from 3.09 metric tons per hectare in 2019. Both yield of irrigated and rainfed palay showed positive growth by 2.38 percent and 6.30 percent, respectively. The yield of irrigated palay inclined to 3.44 metric tons per hectare in 2020 from 3.36 metric tons per hectare in 2019. Likewise, rainfed palay yield was posted an increased at 2.87 metric tons per hectare in 2020 from 2.70 metric tons per hectare in 2019.

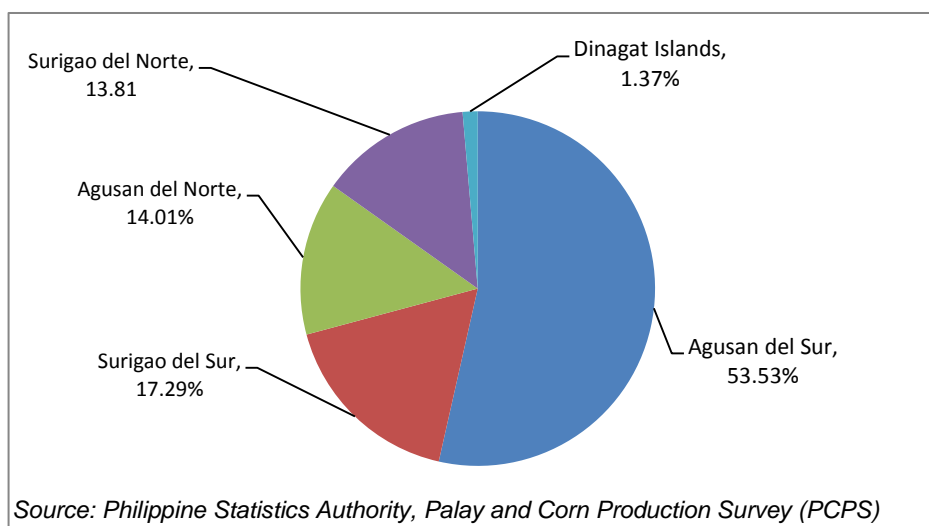


Figure 4. Palay: Percent Contribution of Volume of Production, Caraga, by Province, 2020



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Among the provinces in the region, Agusan del Sur consistently posted the highest share of 53.53 percent of the region's total palay production in 2020. Surigao del Sur rank second with 17.29 percent share followed by Agusan del Norte with 14.01 percent share. Meanwhile, the provinces of Surigao del Norte and Dinagat Islands shared only 13.81 percent and 1.37 percent, respectively.

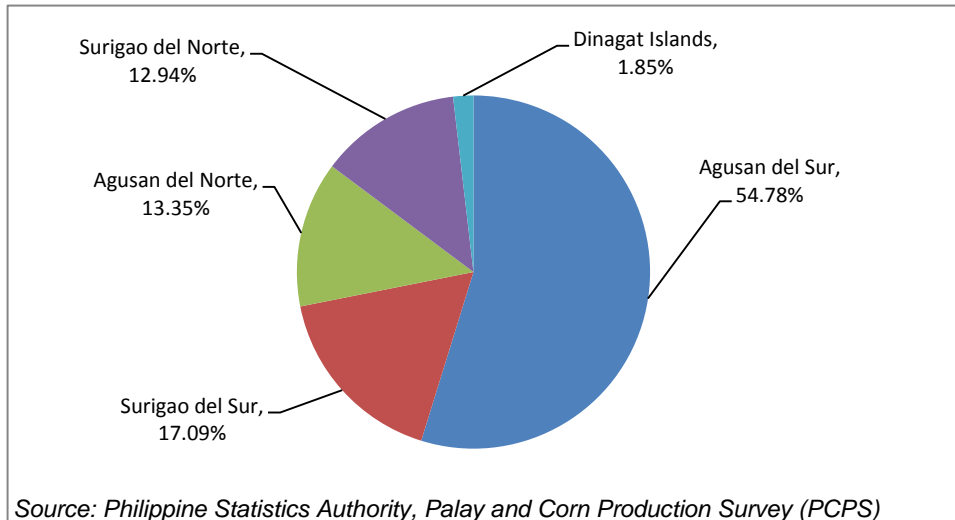


Figure 5. Palay: Percent Distribution of Area Harvested, Caraga, by Province 2020

Figure 5 shows the percent distribution of area harvested by province in 2020. Of all the provinces in Caraga, the province of Agusan del Sur remains the highest contributor with 54.78 percent share of the region's total area harvested. It was followed by the provinces of Surigao del Sur and Agusan del Norte with 17.09 percent and 13.35 percent share, respectively. Fourth in rank was the province of Surigao del Norte with 12.94 percent share. Meanwhile, the province of Dinagat Islands contributed 1.85 percent of the total area harvested in the region.

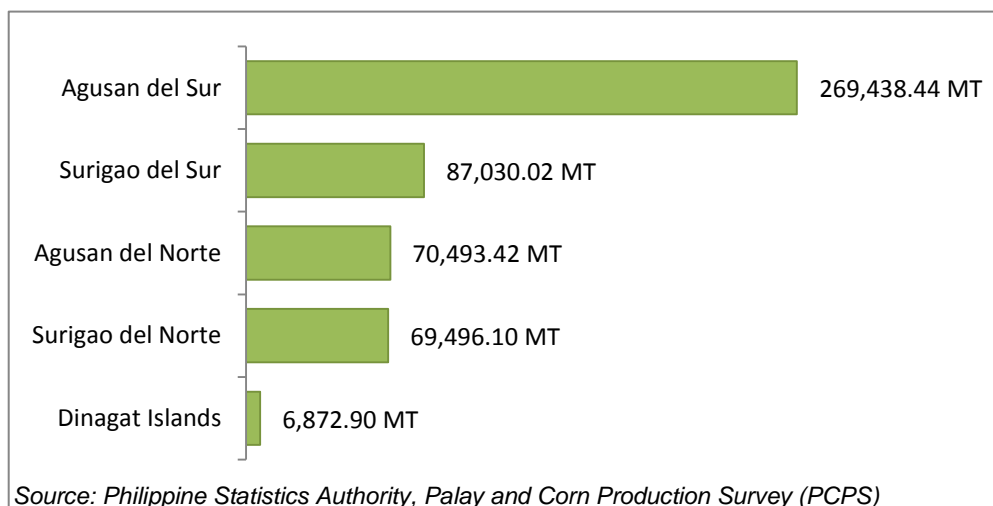


Figure 6. Palay: Volume of Production, by province, Caraga, 2020



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Caraga’s actual volume of palay production by province in 2020 was shown in Figure 6. The province of Agusan del Sur posted the highest volume of palay harvested among the five provinces recording 269,438.44 metric tons in 2020. It was followed by the province of Surigao del Sur and Agusan del Norte with a total volume of 87,030.02 metric tons and 70,493.42 metric tons, respectively. While the province of Surigao del Norte and Dinagat Islands produced 69,496.10 metric tons and 6,872.90 metric tons, respectively.

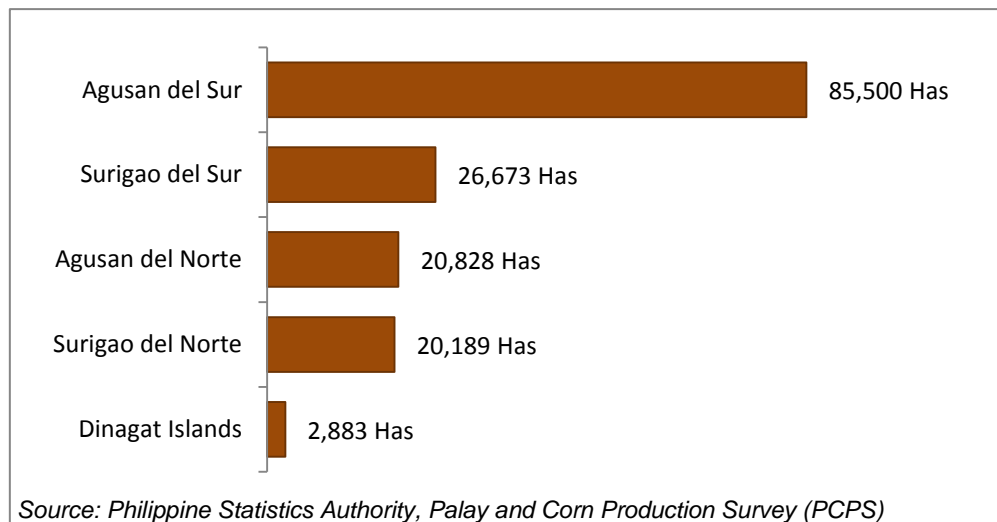


Figure 7. Palay: Area Harvested, by province, Caraga, 2019

The total area harvested for palay in Caraga by province in 2020 is shown in Figure 7. It shows that the largest portion of the area harvested in the region was noted in the province of Agusan del Sur comprising 85,500 hectares. This was followed by the province of Surigao del Sur and Agusan del Norte with 26,673 hectares and 20,828 hectares, respectively. The province of Surigao del Norte posted a harvest in 20,189 hectares while the Province of Dinagat Islands harvested only 2,883 hectares of palay for the year 2020.



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Table 2. Palay: Crop estimates by province, Caraga, January- December, 2018-2020

ITEM	2018	2019	2020	Percent Change	
				2019/2018	2020/2019
				%	%
PRODUCTION (MT)					
Caraga	510,071	449,370	503,331	(11.90)	12.01
Agusan del Norte	81,388	78,867	70,493	(3.10)	(10.62)
Agusan del Sur	258,979	214,124	269,438	(17.32)	25.83
Dinagat Islands	7,854	6,052	6,873	(22.94)	13.56
Surigao del Norte	61,934	67,010	69,496	8.20	3.71
Surigao del Sur	99,916	83,316	87,030	(16.61)	4.46
AREA HRVSTD (Ha)					
Caraga	160,282	145,367	156,073	(9.31)	7.36
Agusan del Norte	22,597	22,320	20,828	(1.23)	(6.68)
Agusan del Sur	81,932	71,833	85,500	(12.33)	19.03
Dinagat Islands	3,476	2,563	2,883	(26.27)	12.49
Surigao del Norte	19,685	20,440	20,189	3.84	(1.23)
Surigao del Sur	32,592	28,211	26,673	(13.44)	(5.45)
YIELD/HECTARE					
Caraga	3.18	3.09	3.22	(2.83)	4.21
Agusan del Norte	3.60	3.53	3.38	(1.94)	(4.25)
Agusan del Sur	3.16	2.98	3.15	(5.70)	5.70
Dinagat Islands	2.26	2.36	2.38	4.42	0.85
Surigao del Norte	3.15	3.28	3.44	4.13	4.88
Surigao del Sur	3.07	2.95	3.26	(3.91)	10.51



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Table 3. Palay: Crop estimates and forecasts by quarter, by ecosystem, Caraga, January-December, 2018-2020

ITEM	2018	2019	2020	Percent Change	
				2019/2018	2020/2019
PRODUCTION (MT)					
January to March	21,659	25,776	26,669	19.01	3.46
Irrigated	15,681	19,212	20,866	22.52	8.61
Rainfed	5,771	6,440	5,687	11.59	(11.69)
Upland	207	125	116	(39.61)	(7.18)
April to June	277,219	271,230	260,121	(2.16)	(4.10)
Irrigated	166,281	162,201	153,365	(2.45)	(5.45)
Rainfed	109,621	107,374	105,677	(2.05)	(1.58)
Upland	1,317	1,655	1,079	25.66	(34.79)
January to June	298,878	297,006	286,789	(0.63)	(3.44)
Irrigated	181,962	181,413	174,230	(0.30)	(3.96)
Rainfed	115,392	113,814	111,364	(1.37)	(2.15)
Upland	1,524	1,780	1,195	16.80	(32.85)
July to September	34,809	27,342	61,394	(21.45)	124.54
Irrigated	28,990	22,792	48,434	(21.38)	112.51
Rainfed	5,751	4,532	12,888	(21.20)	184.38
Upland	68	19	71	(72.06)	275.26
October to December	176,384	125,021	155,148	(29.12)	24.10
Irrigated	123,476	85,789	111,977	(30.52)	30.53
Rainfed	52,787	39,113	43,030	(25.90)	10.02
Upland	121	119	140	(1.65)	17.73
July to December	211,193	152,363	216,542	(27.86)	42.12
Irrigated	152,466	108,581	160,412	(28.78)	47.73
Rainfed	58,537	43,645	55,919	(25.44)	28.12
Upland	189	137	211	(27.51)	54.31
January to December	510,071	449,370	503,331	(11.90)	12.01
Irrigated	334,428	289,994	334,642	(13.29)	15.40
Rainfed	173,929	157,459	167,282	(9.47)	6.24
Upland	1,713	1,917	1,407	11.91	(26.62)



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ITEM	2018	2019	2020	Percent Change	
				2019/2018	2020/2019
AREA HRVSTD (Ha)					
January to March	7,229	7,813	7,941	8.08	1.64
Irrigated	4,907	5,572	6,018	13.55	8.01
Rainfed	2,153	2,142	1,829	(0.51)	(14.61)
Upland	169	99	94	(41.42)	(5.05)
April to June	84,567	86,137	78,838	1.86	(8.47)
Irrigated	46,608	47,002	43,864	0.85	(6.68)
Rainfed	36,785	37,537	33,878	2.04	(9.75)
Upland	1,174	1,598	1,096	36.12	(31.41)
January to June	91,796	93,950	86,779	2.35	(7.63)
Irrigated	51,515	52,574	49,882	2.06	(5.12)
Rainfed	38,938	39,679	35,707	1.90	(10.01)
Upland	1,343	1,697	1,190	26.36	(29.88)
July to September	11,662	8,555	18,927	(26.64)	121.24
Irrigated	9,517	7,012	14,044	(26.32)	100.29
Rainfed	2,084	1,526	4,818	(26.78)	215.73
Upland	61	17	65	(72.13)	282.35
October to December	56,824	42,862	50,367	(24.57)	17.51
Irrigated	35,690	26,716	33,321	(25.14)	24.72
Rainfed	21,032	16,027	16,893	(23.80)	5.40
Upland	102	119	153	16.67	28.57
July to December	68,486	51,417	69,294	(24.92)	34.77
Irrigated	45,207	33,728	47,365	(25.39)	40.43
Rainfed	23,116	17,553	21,711	(24.07)	23.69
Upland	163	136	218	(16.56)	60.29
January to December	160,282	145,367	156,073	(9.31)	7.36
Irrigated	96,722	86,302	97,247	(10.77)	12.68
Rainfed	62,054	57,232	57,418	(7.77)	0.33
Upland	1,506	1,833	1,408	21.71	(23.19)



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ITEM	2018	2019	2020	Percent Change	
				2019/2018	2020/2019
YIELD/HECTARE					
January to March	3.00	3.30	3.36	10.00	1.82
Irrigated	3.20	3.45	3.47	7.81	0.58
Rainfed	2.68	3.01	3.11	12.31	3.32
Upland	1.22	1.26	1.23	3.28	(2.38)
April to June	3.28	3.15	3.30	(3.96)	4.76
Irrigated	3.57	3.45	3.50	(3.36)	1.45
Rainfed	2.98	2.86	3.12	(4.03)	9.09
Upland	1.12	1.04	0.98	(7.14)	(5.77)
January to June	3.26	3.16	3.30	(3.07)	4.43
Irrigated	3.53	3.45	3.49	(2.27)	1.16
Rainfed	2.96	2.87	3.12	(3.04)	8.71
Upland	1.13	1.05	1.00	(7.08)	(4.76)
July to September	2.98	3.20	3.24	7.38	1.25
Irrigated	3.05	3.25	3.45	6.56	6.15
Rainfed	2.76	2.97	2.68	7.61	(9.76)
Upland	1.12	1.11	1.10	(0.89)	(0.90)
October to December	3.10	2.92	3.08	(5.81)	5.48
Irrigated	3.46	3.21	3.36	(7.23)	4.67
Rainfed	2.51	2.44	2.55	(2.79)	4.51
Upland	1.19	1.00	0.92	(15.97)	(8.00)
July to December	3.08	2.96	3.12	(3.90)	5.41
Irrigated	3.37	3.22	3.39	(4.45)	5.28
Rainfed	2.53	2.49	2.58	(1.58)	3.61
Upland	1.16	1.01	0.97	(12.93)	(3.96)
January to December	3.18	3.09	3.22	(2.83)	4.21
Irrigated	3.46	3.36	3.44	(2.89)	2.38
Rainfed	2.80	2.75	2.91	(1.79)	5.82
Upland	1.14	1.05	1.00	(7.89)	(4.76)



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Agusan del Sur	258,979	214,124	269,438	(17.32)	25.83
Dinagat Islands	7,854	6,052	6,873	(22.94)	13.56
Surigao del Norte	61,934	67,010	69,496	8.20	3.71
Surigao del Sur	99,916	83,316	87,030	(16.61)	4.46
Irrigated	334,428	289,994	334,642	(13.29)	15.40
Agusan del Norte	66,036	65,756	62,797	(0.42)	(4.50)
Agusan del Sur	143,731	111,011	150,335	(22.76)	35.42
Dinagat Islands	5,500	4,003	4,582	(27.22)	14.46
Surigao del Norte	45,525	48,938	50,305	7.50	2.79
Surigao del Sur	73,636	60,286	66,624	(18.13)	10.51
Rainfed	173,929	157,459	167,282	(9.47)	6.24
Agusan del Norte	15,328	13,083	7,697	(14.65)	(41.17)
Agusan del Sur	114,014	101,556	118,160	(10.93)	16.35
Dinagat Islands	2,316	2,001	2,240	(13.60)	11.94
Surigao del Norte	16,307	17,957	19,067	10.12	6.18
Surigao del Sur	25,965	22,862	20,118	(11.95)	(12.00)
Upland	1,713	1,917	1,407	11.91	-26.62
Agusan del Norte	24	28	-	16.67	-
Agusan del Sur	1,234	1,558	944	26.26	(39.43)
Dinagat Islands	38	48	51	26.32	6.04
Surigao del Norte	103	115	124	11.65	7.85
Surigao del Sur	315	169	288	(46.35)	70.45



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Agusan del Sur	81,932	71,833	85,500	(12.33)	19.03
Dinagat Islands	3,476	2,563	2,883	(26.27)	12.49
Surigao del Norte	19,685	20,440	20,189	3.84	(1.23)
Surigao del Sur	32,592	28,211	26,673	(13.44)	(5.45)
Irrigated	96,722	86,302	97,247	(10.77)	12.68
Agusan del Norte	17,595	18,241	18,308	3.67	0.37
Agusan del Sur	39,757	32,694	43,210	(17.77)	32.16
Dinagat Islands	2,370	1,705	1,880	(28.06)	10.26
Surigao del Norte	13,841	14,494	14,280	4.72	(1.48)
Surigao del Sur	23,159	19,168	19,569	(17.23)	2.09
Rainfed	62,054	57,232	57,418	(7.77)	0.33
Agusan del Norte	4,979	4,053	2,520	(18.60)	(37.82)
Agusan del Sur	41,074	37,616	41,315	(8.42)	9.83
Dinagat Islands	1,081	830	973	(23.22)	17.23
Surigao del Norte	5,767	5,855	5,821	1.53	(0.58)
Surigao del Sur	9,153	8,878	6,789	(3.00)	(23.53)
Upland	1,506	1,833	1,408	21.71	(23.19)
Agusan del Norte	23	26	-	13.04	-
Agusan del Sur	1,101	1,523	975	38.33	(35.98)
Dinagat Islands	25	28	30	12.00	7.14
Surigao del Norte	77	91	88	18.18	(3.30)
Surigao del Sur	280	165	315	(41.07)	90.91



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Agusan del Norte	3.60	3.53	3.38	(1.94)	(4.25)
Agusan del Sur	3.16	2.98	3.15	(5.70)	5.70
Dinagat Islands	2.26	2.36	2.38	4.42	0.85
Surigao del Norte	3.15	3.28	3.44	4.13	4.88
Surigao del Sur	3.07	2.95	3.26	(3.91)	10.51
Irrigated	3.46	3.36	3.44	(2.89)	2.38
Agusan del Norte	3.75	3.60	3.43	(4.00)	(4.72)
Agusan del Sur	3.62	3.40	3.48	(6.08)	2.35
Dinagat Islands	2.32	2.35	2.44	1.29	3.83
Surigao del Norte	3.29	3.38	3.52	2.74	4.14
Surigao del Sur	3.18	3.15	3.40	(0.94)	7.94
Rainfed	2.80	2.75	2.91	(1.79)	5.82
Agusan del Norte	3.08	3.23	3.05	4.87	(5.57)
Agusan del Sur	2.78	2.70	2.86	(2.88)	5.93
Dinagat Islands	2.14	2.41	2.30	12.62	(4.56)
Surigao del Norte	2.83	3.07	3.28	8.48	6.84
Surigao del Sur	2.84	2.58	2.96	(9.15)	14.73
Upland	1.14	1.05	1.00	(7.89)	(4.76)
Agusan del Norte	1.03	1.07	-	3.88	-
Agusan del Sur	1.12	1.02	0.97	(8.93)	(4.90)
Dinagat Islands	1.52	1.71	1.70	12.50	(0.58)
Surigao del Norte	1.33	1.26	1.41	(5.26)	11.90
Surigao del Sur	1.13	1.02	0.91	(9.73)	(10.78)



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TECHNICAL NOTES

The *Palay Production Survey* (PPS) is one of the major agricultural surveys conducted by the Philippine Statistics Authority (PSA) which aims to generate estimates on palay production, area, yield, and other production-related data. Data generated by this survey will serve as inputs to the Performance of Agriculture Report (PAR) and accordingly to the preparation of the Gross Regional Domestic Product (GDP). Moreover, the survey supports the data needs of planners, policy and decision makers, and other stakeholders in the agriculture sector.

Production refers to quantity produced and actually harvested during the reference period. It includes those harvested but damaged, stolen, given away, consumed, given as harvesters' and threshers' shares, reserved, etc. Palay production from seed growers which are intended for seed purposes is excluded from the survey.

Irrigated palay refers to the palay crop that requires standing water for its normal growth, not confined to lowland but also to high places where paddies are built for planting rice, requires irrigation water made available through artificial means (gravity, force, power pumps, etc.).

Rainfed palay are palay crops that depends solely upon rainfall for its water supply; usually planted through transplanting or direct seeding in fields with dikes that retain water. There may be dikes in the field to hold water in the case of lowland-rainfed, or none in the case of upland palay.

Area harvested refers to the actual area from which harvest are realized. This excludes crop areas which were totally damaged. It may be smaller than the area planted. Area planted refers to the actual physical area planted. This generally applies to area reported for permanent crops and multi-harvest temporary crops.

Approved by:


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