

## I. The Number of Agriculture, Forestry, Fishery and Animal Husbandry Enterprises

### A. The number of enterprises which engaged in agriculture and fishery decreased continuously.

By the end of 2015, the number of census enterprises of agriculture, forestry, fishery and animal husbandry amounted to 844,621 enterprises, slightly increasing by 876 enterprises or 0.1% in 5 years. Affected by the increasing enterprises in renting out, lending, abandon farming, agricultural afforestation policy and higher fishery operation costs, 721,220 enterprises engaged in agriculture, with a slight decrease of 226 enterprises; 40,166 enterprises engaged in fishery, decreasing by 3,028 enterprises or 7.0%.

**Table 1 Census enterprises of agriculture, forestry, fishery and animal husbandry**

	End of 2015		End of 2010		End of 2005	
	Number (enterprise)	Comparing to last census (%)	Number (enterprise)	Comparing to last census (%)	Number (enterprise)	Comparing to last census (%)
<b>Census enterprises of agriculture, forestry, fishery and animal husbandry</b>	<b>844 621</b>	<b>0.10</b>	<b>843 745</b>	<b>2.37</b>	<b>824 226</b>	<b>6.73</b>
Agriculture	780 256	-0.16	781 518	1.19	772 354	6.49
Farm households	778 930	-0.19	780 388	1.14	771 579	6.48
Farms	1 326	17.35	1 130	45.81	775	25.61
Agricultural service	4 123	-11.47	4 657	-0.53	4 682	-29.08
Forestry	87 466	4.99	83 312	21.80	68 398	32.85
Fishery	45 229	-7.00	48 634	-0.90	49 078	-4.09
Sole proprietorship fishery households	44 265	-6.08	47 130	1.02	46 653	-5.77
Non-sole proprietorship fishery households	964	-35.90	1 504	-37.98	2 425	46.26
The number of part-time enterprises in each industry	72 453	-2.59	74 376	5.82	70 286	14.30

Note: If there was any enterprise which operated more than two kinds of industry at the same time, then the enterprise was separately calculated into each industry which it operated, so that the accumulated number of all industries was larger than the number of census enterprise for agriculture, agricultural service, forestry, fishery; same conditions applied to the following tables.

### B. The number of enterprises engaged in both agriculture and fishery in Tainan City ranked the first in Taiwan.

By the end of 2015, most enterprises which engaging in agriculture and fishery were mainly distributed in central and southern regions. The number of agriculture in Tainan City was 86,716 enterprises, Changhua County was 80,626 enterprises, and Yunlin County was 70,503 enterprises, which were the top 3 counties/cities, accounting for one third; the number of fishery in Tainan City was 6,845 enterprises, Kaohsiung City was 6,089 enterprises, and Pingtung County was 5,530 enterprises, which were the top 3 counties/cities, accounting for 46.0%.

**Table 2 Change of enterprises in agriculture, by county/city**

Unit: enterprise

	End of 2015				End of 2010				Number of comparison in 5 years		
	Total	Engaged in agriculture	%	Non-engaged in agriculture	Total	Engaged in agriculture	%	Non-engaged in agriculture	Total	Engaged in agriculture	Non-engaged in agriculture
<b>Total</b>	<b>780 256</b>	<b>721 220</b>	<b>100.00</b>	<b>59 036</b>	<b>781 518</b>	<b>721 446</b>	<b>100.00</b>	<b>60 072</b>	<b>-1 262</b>	<b>-226</b>	<b>-1 036</b>
<b>Taiwan Area</b>	<b>776 576</b>	<b>719 250</b>	<b>99.73</b>	<b>57 326</b>	<b>777 841</b>	<b>719 423</b>	<b>99.72</b>	<b>58 418</b>	<b>-1 265</b>	<b>-173</b>	<b>-1 092</b>
<b>Northern Region</b>	<b>148 381</b>	<b>131 889</b>	<b>18.29</b>	<b>16 492</b>	<b>143 631</b>	<b>125 598</b>	<b>17.41</b>	<b>18 033</b>	<b>4 750</b>	<b>6 291</b>	<b>-1 541</b>
New Taipei City	34 310	28 918	4.01	5 392	30 640	26 645	3.69	3 995	3 670	2 273	1 397
Taipei City	8 825	7 091	0.98	1 734	9 244	7 355	1.02	1 889	-419	-264	-155
Taoyuan City	45 077	41 074	5.70	4 003	43 706	38 214	5.30	5 492	1 371	2 860	-1 489
Keelung City	1 277	979	0.14	298	1 222	1 088	0.15	134	55	-109	164
Hsinchu City	5 549	5 072	0.70	477	5 672	4 833	0.67	839	-123	239	-362
Yilan County	28 357	26 976	3.74	1 381	27 724	25 933	3.59	1 791	633	1 043	-410
Hsinchu County	24 986	21 779	3.02	3 207	25 423	21 530	2.98	3 893	-437	249	-686
<b>Central Region</b>	<b>304 499</b>	<b>287 549</b>	<b>39.87</b>	<b>16 950</b>	<b>310 006</b>	<b>295 051</b>	<b>40.90</b>	<b>14 955</b>	<b>-5 507</b>	<b>-7 502</b>	<b>1 995</b>
Taichung City	66 875	62 691	8.69	4 184	65 398	62 666	8.69	2 732	1 477	25	1 452
Miaoli County	37 609	33 872	4.70	3 737	39 488	35 403	4.91	4 085	-1 879	-1 531	-348
Changhua County	83 637	80 626	11.18	3 011	85 423	82 761	11.47	2 662	-1 786	-2 135	349
Nantou County	43 893	39 857	5.53	4 036	45 184	41 701	5.78	3 483	-1 291	-1 844	553
Yunlin County	72 485	70 503	9.78	1 982	74 513	72 520	10.05	1 993	-2 028	-2 017	-11
<b>Southern Region</b>	<b>290 847</b>	<b>271 026</b>	<b>37.58</b>	<b>19 821</b>	<b>289 178</b>	<b>267 132</b>	<b>37.03</b>	<b>22 046</b>	<b>1 669</b>	<b>3 894</b>	<b>-2 225</b>
Tainan City	91 622	86 716	12.02	4 906	92 437	87 408	12.12	5 029	-815	-692	-123
Kaohsiung City	70 362	64 538	8.95	5 824	66 435	57 814	8.01	8 621	3 927	6 724	-2 797
Chiayi City	5 379	4 946	0.69	433	5 328	5 013	0.69	315	51	-67	118
Chiayi County	57 058	54 901	7.61	2 157	58 112	56 772	7.87	1 340	-1 054	-1 871	817
Pingtung County	60 316	56 449	7.83	3 867	61 034	57 167	7.92	3 867	-718	-718	—
Penghu County	6 110	3 476	0.48	2 634	5 832	2 958	0.41	2 874	278	518	-240
<b>Eastern Region</b>	<b>32 849</b>	<b>28 786</b>	<b>3.99</b>	<b>4 063</b>	<b>35 026</b>	<b>31 642</b>	<b>4.39</b>	<b>3 384</b>	<b>-2 177</b>	<b>-2 856</b>	<b>679</b>
Taitung County	16 120	13 809	1.91	2 311	16 555	14 722	2.04	1 833	-435	-913	478
Hualien County	16 729	14 977	2.08	1 752	18 471	16 920	2.35	1 551	-1 742	-1 943	201
<b>Kinma Area</b>	<b>3 680</b>	<b>1 970</b>	<b>0.27</b>	<b>1 710</b>	<b>3 677</b>	<b>2 023</b>	<b>0.28</b>	<b>1 654</b>	<b>3</b>	<b>-53</b>	<b>56</b>
Kinmen County	3 619	1 917	0.27	1 702	3 614	1 963	0.27	1 651	5	-46	51
Lienchiang County	61	53	0.01	8	63	60	0.01	3	-2	-7	5

**Table 3 Change of enterprises in fishery, by county/city**

Unit: enterprise

	End of 2015				End of 2010				Number of comparison in 5 years		
	Total	Engaged in fishery	%	Non-engaged in fishery	Total	Engaged in fishery	%	Non-engaged in fishery	Total	Engaged in fishery	Non-engaged in fishery
<b>Total</b>	<b>45 229</b>	<b>40 166</b>	<b>100.00</b>	<b>5 063</b>	<b>48 634</b>	<b>43 194</b>	<b>100.00</b>	<b>5 440</b>	<b>-3 405</b>	<b>-3 028</b>	<b>-377</b>
<b>Taiwan Area</b>	<b>44 546</b>	<b>39 685</b>	<b>98.80</b>	<b>4 861</b>	<b>48 005</b>	<b>42 678</b>	<b>98.81</b>	<b>5 327</b>	<b>-3 459</b>	<b>-2 993</b>	<b>-466</b>
<b>Northern Region</b>	<b>6 124</b>	<b>5 317</b>	<b>13.24</b>	<b>807</b>	<b>6 393</b>	<b>5 443</b>	<b>12.60</b>	<b>950</b>	<b>-269</b>	<b>-126</b>	<b>-143</b>
New Taipei City	2 365	2 189	5.45	176	2 384	2 244	5.20	140	-19	-55	36
Taipei City	186	156	0.39	30	165	139	0.32	26	21	17	4
Taoyuan City	553	496	1.23	57	545	473	1.10	72	8	23	-15
Keelung City	452	427	1.06	25	504	488	1.13	16	-52	-61	9
Hsinchu City	318	257	0.64	61	333	267	0.62	66	-15	-10	-5
Yilan County	2 020	1 598	3.98	422	2 228	1 613	3.73	615	-208	-15	-193
Hsinchu County	230	194	0.48	36	234	219	0.51	15	-4	-25	21
<b>Central r Region</b>	<b>8 854</b>	<b>7 593</b>	<b>18.90</b>	<b>1 261</b>	<b>9 712</b>	<b>8 021</b>	<b>18.57</b>	<b>1 691</b>	<b>-858</b>	<b>-428</b>	<b>-430</b>
Taichung City	709	536	1.33	173	699	562	1.30	137	10	-26	36
Miaoli County	632	536	1.33	96	654	600	1.39	54	-22	-64	42
Changhua County	2 672	2 347	5.84	325	3 194	2 680	6.20	514	-522	-333	-189
Nantou County	84	78	0.19	6	109	108	0.25	1	-25	-30	5
Yunlin County	4 757	4 096	10.20	661	5 056	4 071	9.42	985	-299	25	-324
<b>Southern Region</b>	<b>28 102</b>	<b>25 568</b>	<b>63.66</b>	<b>2 534</b>	<b>30 211</b>	<b>27 676</b>	<b>64.07</b>	<b>2 535</b>	<b>-2 109</b>	<b>-2 108</b>	<b>-1</b>
Tainan City	7 604	6 845	17.04	759	8 060	7 177	16.62	883	-456	-332	-124
Kaohsiung City	6 804	6 089	15.16	715	7 222	6 620	15.33	602	-418	-531	113
Chiayi City	93	78	0.19	15	78	59	0.14	19	15	19	-4
Chiayi County	5 578	4 966	12.36	612	5 817	5 291	12.25	526	-239	-325	86
Pingtung County	5 883	5 530	13.77	353	6 667	6 272	14.52	395	-784	-742	-42
Penghu County	2 140	2 060	5.13	80	2 367	2 257	5.23	110	-227	-197	-30
<b>Eastern Region</b>	<b>1 466</b>	<b>1 207</b>	<b>3.01</b>	<b>259</b>	<b>1 689</b>	<b>1 538</b>	<b>3.56</b>	<b>151</b>	<b>-223</b>	<b>-331</b>	<b>108</b>
Taitung County	928	733	1.82	195	1 011	934	2.16	77	-83	-201	118
Hualien County	538	474	1.18	64	678	604	1.40	74	-140	-130	-10
<b>Kinma Area</b>	<b>683</b>	<b>481</b>	<b>1.20</b>	<b>202</b>	<b>629</b>	<b>516</b>	<b>1.19</b>	<b>113</b>	<b>54</b>	<b>-35</b>	<b>89</b>
Kinmen County	533	371	0.92	162	490	419	0.97	71	43	-48	91
Lienchiang County	150	110	0.27	40	139	97	0.22	42	11	13	-2

## II. The Resource Distribution and Allocation of Agriculture, Forestry, Fishery and Animal Husbandry

### A. The cultivated land area for crops planting increased 34,116 ha.

By the end of 2015, the cultivated land area of agriculture amounted to 564,857 ha., less 14,339 ha. or 2.5% than that of the end of 2010. Due to the influence of fallow activation policy, the cultivated land area for crops planting was 486,520 ha., increasing by 34,116 ha. or 7.5% in 5 years.

**Table 4 Cultivated land area of agriculture, by main utilization**

Unit: ha.

	End of 2015	End of 2010	Comparison in 5 years	
			Increased/Decreased number	Increased/Decreased rate(%)
<b>Total</b>	<b>564 857</b>	<b>579 196</b>	<b>-14 339</b>	<b>-2.48</b>
Crops planting	486 520	452 404	34 116	7.54
Green manure crops planting only*	27 767	78 164	-50 397	-64.48
Afforestation (6 years & below)	4 175	4 471	-297	-6.63
Abandoned area throughout the year and temporarily used for the purpose other than crops growing*	46 396	44 157	2 239	5.07

Note: 1.The area for producing crops including production of long and short-term crops, as well as opened to visit, picking (including the community gardens); same conditions applied to the following tables.

2.\*Among which included the area of rice cropping fallow area throughout the year. In 2015, the area was 25,206 ha., decreasing by 28,303 ha. comparing to 53,509 ha. in 2010.

3.Abandoned area throughout the year included fallow/tuning the soil and no crops were planted throughout the year, nor for other purpose; temporarily used for the purpose other than growing crops included the cultivated land provided for agricultural recreation land, pasture land, etc., to be restored crops growing at any time.

### B. Land area for forestry increased continuously.

By the end of 2015, the land area for forestry amounted to 1,884,920 ha., and due to incorporating into aboriginal reservation forestland, and the influence of afforestation, it increased continuously by 32,365 ha. or 1.7% in 5 years.

**Table 5 Land area for forestry, by ownership and type of organization**

Unit: ha.

	Grand total	Forest land area					Affiliated forest land area	Average land area for forestry per enterprise
		Total	Self-owned	On lease from public forest land	On lease from private forest land	Be consigned		
<b>End of 2010</b> { Area Percent(%)	<b>1 852 555</b>	<b>1 755 012</b>	<b>1 694 885</b>	<b>57 502</b>	<b>2 625</b>	<b>...</b>	<b>97 543</b>	<b>22.24</b>
<b>End of 2015</b> { Area Percent(%)	<b>1 884 920</b>	<b>1 795 287</b>	<b>1 712 792</b>	<b>52 699</b>	<b>3 319</b>	<b>26 477</b>	<b>89 633</b>	<b>21.55</b>
Forestry households	128 064	127 812	89 766	36 580	884	582	252	1.47
Forestry farms	1 756 856	1 667 475	1 623 026	16 119	2 435	25 895	89 381	5 595.08
Public	1 752 185	1 662 853	1 620 566	14 261	2 132	25 893	89 332	9 420.35
Private	4 671	4 622	2 460	1 858	303	2	49	36.49

Note: In 2015, separately listed the item "accepted the entrusted operating", such as County/City Government or Township/Town/City/District Office managed the aboriginal reservation forest land, etc.

### C. The number of fishing crafts and aquaculture area decreased.

By the end of 2015, there were 16,092 fishing crafts, decreasing by 1,064 vessels or 6.2% in 5 years. Aquaculture area amounted to 41,958 ha., also decreasing by 2,124 ha. or 4.8%.

**Table 6 Overview of fishing crafts**

		Unit: vessel		
		Total	Powered fishing crafts	Non-powered sampans, rafts
<b>End of 2010</b> {	Vessels	<b>17 156</b>	<b>9 549</b>	<b>7 607</b>
	Percent(%)	<b>100.00</b>	<b>55.66</b>	<b>44.34</b>
<b>End of 2015</b> {	Vessels	<b>16 092</b>	<b>9 820</b>	<b>6 272</b>
	Percent(%)	<b>100.00</b>	<b>61.02</b>	<b>38.98</b>
With operation		14 170	9 016	5 154
Without operation throughout the year		1 922	804	1 118

Note: In 2010, powered fishing crafts excluded “non-powered sampans equipped with outboard motor”, and in 2015, which were merged into powered fishing crafts, so that two censuses were not compared.

**Table 7 Aquaculture area (excluding cage), by type of aquaculture**

	End of 2015			End of 2010	
	Area (ha.)	Proportion (%)	Number of comparing to last census (ha.)	Area (ha.)	Proportion (%)
<b>Total</b>	<b>41 958</b>	<b>100.00</b>	<b>-2 124</b>	<b>44 082</b>	<b>100.00</b>
Pond culture	36 860	87.85	-96	36 956	83.83
Shallow sea culture	2 909	6.93	-1 187	4 096	9.29
Other culture	22	0.05	-19	41	0.09
Suspend-culture	2 167	5.16	-822	2 989	6.78

## III. The Population of Farm Households and Agricultural Labor Force

### A. Family population of farm household decreased continuously; education of managers improved, but trend in overall average age of managers was higher.

By the end of 2015, the population of farm households amounted to 2,710,680 persons, decreasing by 264,843 persons in 5 years; the average population per household was 3.5 persons, decreasing by 0.3 persons in 5 years, with higher decrease range than national average population per household. The average age of managers engaging in agriculture was 63.5 years old, increasing 1.5 years old in 5 years; as for the education, senior high (vocational) school and above accounted for 32.7%, increasing by 6.9 percentage points.

**Table 8 Population of farm households**

	End of 2015			End of 2010		
	Number (household)	Family population (person)	Increased/ Decreased rate of comparing to last census (%)	Number (household)	Family population (person)	Increased/ Decreased rate of comparing to last census (%)
Farm households	<b>778 930</b>	<b>2 710 680</b>	<b>-8.90</b>	<b>780 388</b>	<b>2 975 523</b>	<b>-12.93</b>
Accounting for national population (%)		11.54			12.85	

**Table 9 Number of farm households, by family member**

	End of 2015		End of 2010		Comparison in 5 years	
	Number (household)	Proportion (%)	Number (household)	Proportion (%)	Increased/ Decreased number (household)	Proportion (percentage point)
<b>Total</b>	<b>719 922</b>	<b>100.00</b>	<b>720 344</b>	<b>100.00</b>	<b>-422</b>	
1~3 persons	391 988	54.45	347 506	48.24	44 482	6.21
1 person	117 680	16.35	85 110	11.82	32 570	4.53
2 persons	153 648	21.34	156 385	21.71	-2 737	-0.37
3 persons	120 660	16.76	106 011	14.72	14 649	2.04
4~6 persons	267 704	37.19	295 885	41.08	-28 181	-3.89
4 persons	117 445	16.31	117 852	16.36	-407	-0.05
5 persons	91 371	12.69	104 505	14.51	-13 134	-1.82
6 persons	58 888	8.18	73 528	10.21	-14 640	-2.03
7 persons and over	60 230	8.37	76 953	10.68	-16 723	-2.32
<b>Average population per household (persons)</b>	<b>3.53</b>		<b>3.85</b>		<b>-0.32</b>	
<b>The national average population per household (persons)</b>	<b>2.77</b>		<b>2.92</b>		<b>-0.15</b>	

**Table 10 Managers engaged in agriculture, by sex and age**

	End of 2015		End of 2010		Comparison in 5 years	
	Number (person)	Proportion (%)	Number (person)	Proportion (%)	Increased/ Decreased number (person)	Proportion (percentage point)
<b>Total</b>	<b>721 220</b>	<b>100.00</b>	<b>721 446</b>	<b>100.00</b>	<b>-226</b>	
<b>By sex</b>						
Male	570 528	79.11	584 706	81.05	-14 178	-1.94
Female	150 692	20.89	136 740	18.95	13 952	1.94
<b>By age</b>						
15~24 years old	560	0.08	641	0.09	-81	-0.01
25~44 years old	40 234	5.58	56 510	7.83	-16 276	-2.25
45~64 years old	349 329	48.44	347 333	48.15	1 996	0.29
Over 65 years old	331 097	45.91	316 962	43.93	14 135	1.97
<b>Average age (years old)</b>	<b>63.51</b>		<b>62.03</b>		<b>1.48</b>	

**Table 11 Managers engaged in agriculture, by education**

Unit: %

	End of 2015		End of 2010		Comparison in 5 years	
	Numbers (person)	Proportion (%)	Numbers (person)	Proportion (%)	Increased/ Decreased number (person)	Proportion (percentage point)
<b>Total</b>	<b>721 220</b>	<b>100.00</b>	<b>721 446</b>	<b>100.00</b>	<b>-226</b>	
Primary school and below	326 056	45.21	391 056	54.20	-65 000	-9.00
Junior high school	159 360	22.10	144 005	19.96	15 355	2.14
Senior high(vocational) school	172 047	23.85	136 931	18.98	35 116	4.87
Junior college and above	63 757	8.84	49 454	6.86	14 303	1.99

**B. Up to 200,563 employees at peak were hired for crops planting monthly, and averagely 11,000 employees were hired for livestock & poultry raising monthly.**

The employees engaging in agriculture were most affected by season. About 120,000 to 210,000 employees were hired for crops planting, livestock & poultry raising in each month of 2015, among which 170,000 to 200,000 employees were hired for crops planting

during the peak of April and November, and only 110,000 to 120,000 employees during the off-peak period of January and February. The employees hired for livestock & poultry raising were relatively stable, about 11,000 persons.

**Table 12 Employees engaged in agriculture, by main industry and month**

	2015			Unit: person
	Total	Crops planting	Livestock & poultry raising	Transition leisure
January	122 441	111 450	10 667	324
February	129 865	118 676	10 803	386
March	159 615	148 131	11 160	324
April	212 443	200 563	11 545	335
May	152 081	140 796	10 953	332
June	156 917	145 585	10 998	334
July	159 950	148 711	10 858	381
August	170 795	159 127	11 286	382
September	181 858	170 412	11 099	347
October	167 566	156 179	11 033	354
November	187 197	176 025	10 829	343
December	153 041	141 515	11 152	374

#### **IV. Number of Enterprises Producing Main Agricultural and Fishery Products**

##### **A. The number of corn (food) planting increased by 90.2%, and betel nut planting decreased by 20.0%.**

In 2015, the number of rice planting was 257,400 enterprises, accounting for 36.3% of the total crops planting enterprises, and due to the influence of activation of fallow land, rice planting enterprises increased by 6.2% in 5 years. There were 33,521 enterprises to plant corn (food), increasing by 90.2%, and 34,666 enterprises plant betel nut, decreasing by 20.0%, due to wind damage and restrict planting in hillsides.



**Table 13 Top 10 kinds of crops planting in agriculture**

	2015						2010		Comparison in 5 years		
	Number (enterprise)	Proportion (%)	Order	Main distributed county/city (Top 3)			% of planting enterprises of the category (%)	Number (enterprise)	Order	Increased /Decreased enterprises (enterprise)	Increased /Decreased rate (%)
<b>Crops planting enterprises*</b>	<b>710 070</b>	<b>100.00</b>					<b>714 266</b>				
Rice	257 400	36.25	1	Changhua County	Yunlin County	Taichung City	47.59	242 448	1	14 952	6.17
Banana	36 747	5.18	2	Kaohsiung City	Pingtung County	Nantou County	48.47	29 234	4	7 513	25.70
Bamboo shoot	36 691	5.17	3	New Taipei City	Tainan City	Chiayi County	44.95	39 170	3	-2 479	-6.33
Betel nut	34 666	4.88	4	Pingtung County	Nantou County	Chiayi County	84.97	43 307	2	-8 641	-19.95
Corn (Food)	33 521	4.72	5	Tainan City	Yunlin County	Kaohsiung City	51.84	17 622	12	15 899	90.22
Cabbage	31 915	4.49	6	New Taipei City	Taoyuan City	Hsinchu County	35.53	28 947	6	2 968	10.25
Peanut	31 719	4.47	7	Yunlin County	Changhua County	Penghu County	77.84	29 047	5	2 672	9.20
Citrus	30 510	4.30	8	Pingtung County	Taichung City	Hsinchu County	34.97	27 654	8	2 856	10.33
Mongo	30 171	4.25	9	Tainan City	Kaohsiung City	Pingtung County	80.89	27 807	7	2 364	8.50
Longan	24 650	3.47	10	Tainan City	Kaohsiung City	Taichung City	55.94	25 352	9	-702	-2.77

Note: 1. \* The crops planting enterprises refer to total enterprises planting crops, not the total enterprises planting 10 kinds of crops listed in the Table.

2. If an enterprise planted more than two kinds of crops, the enterprise will be numbered into the enterprises planting each kind of crops.

3. Top 10 kinds of crops exclude green manure crops.

**B. The cultivated land area with facilitated farming increased by 10.4%; the crops planting area without applying chemical fertilizers and synthetic pesticides speedily increased.**

By the end of 2015, the cultivated land area with facilitated farming was 33,444 ha., increasing by 3,162 ha. or 10.4% in 5 years, and which mainly used with shelving and screen house. The crops planting area without applying chemical fertilizers and synthetic pesticides was 52,254 ha., increasing by 10,948 ha. or 26.5%, such that the increase range was higher than the 5.9% at the end of 2010.

**Table 14 The status for cultivated land area with facilitated farming**

	Number		Area	
	(enterprise)	Proportion (%)	(ha.)	Proportion (%)
<b>End of 2010</b>	<b>48 036</b>		<b>30 282</b>	
<b>End of 2015</b>	<b>50 541</b>	<b>100.00*</b>	<b>33 444</b>	<b>100.00</b>
Tunnel shed	1 473	2.91	1 452	4.34
Shelving	25 202	49.86	14 947	44.69
Screen house	16 517	32.68	11 839	35.40
Plastic house	3 026	5.99	1 911	5.72
Greenhouse	2 050	4.06	1 454	4.35
Others	3 094	6.12	1 839	5.50

Note: 1. Enterprise using agricultural facilities refers to using agricultural facilities to plant crops on cultivated land or non-cultivated land.

2. \*If an enterprise used more than two kinds of agricultural facilities, then the enterprise was separately calculated into the number of the enterprises using that kind of agricultural facility, so that the accumulated number was larger than the total number of enterprises using agricultural facilities.

3. Others include general house or light steel mushroom house, and upright cultivation (such as pitaya), multi-shelf cultivation (such as strawberry), LED lighting (such as chrysanthemum), etc.

**Table 15 The status for crops planting area with applying chemical fertilizers and synthetic pesticides**

Unit: ha.

	Total	Without applied chemical fertilizers and synthetic pesticides	Applied chemical fertilizers and synthetic pesticides	Applied chemical fertilizers only	Applied synthetic pesticides only
<b>End of 2010</b> { area percent(%)	<b>452 404</b> <b>100.00</b>	<b>41 306</b> <b>9.13</b>	<b>379 591</b> <b>83.91</b>	<b>24 132</b> <b>5.33</b>	<b>7 375</b> <b>1.63</b>
<b>End of 2015</b> { area percent(%)	<b>486 520</b> <b>100.00</b>	<b>52 254</b> <b>10.74</b>	<b>387 927</b> <b>79.74</b>	<b>38 310</b> <b>7.87</b>	<b>8 029</b> <b>1.65</b>
Taiwan Area	484 812	52 025	386 633	38 143	8 011
Northern Region	50 310	8 821	34 699	5 850	940
Central Region	195 872	14 724	170 668	8 429	2 051
Southern Region	199 770	19 170	156 432	20 238	3 929
Eastern Region	38 860	9 310	24 833	3 626	1 090
Kinma Area	1 708	229	1 294	166	18

Note: By the end of 2005, the area for crops planting was 471,776 ha., of which 39,001 ha. on which no chemical fertilizers and synthetic pesticides were applied.

### **C. Hogs raised enterprises decreased by 18.6% and broiler raised enterprises decreased by 49.0%; however, the average hogs and broilers raising scale enlarged.**

In 2015, among the enterprises raising livestock, 6,213 enterprises raising hogs were the most, decreasing by 18.6% in 5 years, and averagely each enterprise raised 759 hogs at

the end of 2015, with an increase range of 22.2%. As for the enterprises raising poultry, 9,669 enterprises raising broilers were the most, with a decrease range 49.0%. It was due to small-scale enterprises' recession. Averagely each enterprise raised 6,142 broilers at the end of 2015, with an increase range of 48.0%.

**Table 16 Enterprises in agriculture by the number of hogs at year end**

	End of 2015		End of 2010		Comparison in 5 years	
	Numbers	Proportion	Numbers	Proportion	Increased/ Decreased numbers	Increased/ Decreased rate
	(enterprise)	(%)	(enterprise)	(%)	(enterprise)	(%)
<b>Total</b>	<b>6 213</b>	<b>100.00</b>	<b>7 633</b>	<b>100.00</b>	<b>-1 420</b>	<b>-18.60</b>
Under 50	1 652	26.59	2 981	39.05	-1 329	-44.58
50~99	400	6.44	460	6.03	-60	-13.04
100~499	1 656	26.65	1 789	23.44	-133	-7.43
500~999	1 197	19.27	1 165	15.26	32	2.75
1,000~1,999	814	13.10	790	10.35	24	3.04
2,000 and over	494	7.95	448	5.87	46	10.27
<b>Average raised number per enterprise at the end of the year</b>	<b>759</b>		<b>621</b>		<b>138</b>	

Note: The raising scale of hogs included the raising number of "piglets".

**Table 17 Enterprises in agriculture by the number of broilers at year end**

	End of 2015		End of 2010		Comparison in 5 years	
	Numbers	Proportion	Numbers	Proportion	Increased/ Decreased numbers	Increased/ Decreased rate
	(enterprise)	(%)	(enterprise)	(%)	(enterprise)	(%)
<b>Total</b>	<b>9 669</b>	<b>100.00</b>	<b>18 960</b>	<b>100.00</b>	<b>-9 291</b>	<b>-49.00</b>
Under 50	5 855	60.55	14 408	75.99	-8 553	-59.36
50~99	654	6.76	1 058	5.58	-404	-38.19
100~999	945	9.77	1 108	5.85	-163	-14.71
1,000~9,999	545	5.64	614	3.24	-69	-11.24
10,000~49,999	1 371	14.18	1 394	7.35	-23	-1.65
50,000 and over	299	3.09	378	1.99	-79	-20.90
<b>Average raised number per enterprise at the end of the year</b>	<b>6 142</b>		<b>4 150</b>		<b>1 992</b>	

Note: The enterprises raising broilers included the enterprises raising "white broilers", "colored broilers", and "breeders for chicken".

#### D. The number of enterprises cultivating grouper and hard clams increased, and the enterprises cultivated tilapia decreased.

In 2015, among the enterprises of aquaculture, 6,299 enterprises cultivating milkfish were the most, accounting for 24.6% of total cultivating enterprises, increasing by 0.6% in 5 years; 4,409 enterprises cultivating tilapia decreased by 19.6% due to influence of declined demand for exports. 3,536 enterprises cultivating hard clam, and 2,205 enterprises cultivating grouper increased by 9.8% and 18.9% respectively.

**Table 18 Top 8 species of aquaculture in fishery**

	2015						2010			Comparison in 5 years	
	Number (enterprise)	Proportion (%)	Order	Main distributed County (City) Top 3			% of aquaculture of the category (%)	Number (enterprise)	Order	Increased/Decreased enterprises (enterprise)	Increased/Decreased rate (%)
<b>Aquaculture enterprises*</b>	<b>25 632</b>	<b>100.00</b>					<b>26 995</b>				
Milkfish	6 299	24.57	1	Tainan City	Kaohsiung City	Chiayi County	95.05	6 260	1	39	0.62
Tilapia	4 409	17.20	2	Tainan City	Chiayi County	Yunlin County	68.54	5 481	2	-1 072	-19.56
Hard clam	3 536	13.80	3	Yunlin County	Changhua County	Chiayi County	90.38	3 221	3	315	9.78
Oysters	2 589	10.10	4	Chiayi County	Tainan City	Changhua County	75.05	2 647	4	-58	-2.19
Grouper	2 205	8.60	5	Pingtung County	Kaohsiung City	Tainan City	85.49	1 855	6	350	18.87
Whiteleg shrimp	1 887	7.36	6	Chiayi County	Tainan City	Pingtung County	60.94	1 902	5	-15	0.79
Giant fresh water prawn	1 691	6.60	7	Pingtung County	Kaohsiung City	Changhua County	97.28	1 763	7	-72	-4.08
Sea perch	1 085	4.23	8	Kaohsiung City	Chiayi County	Pingtung County	80.74	1 210	8	-125	-10.33

Note: 1. \* The aquaculture enterprises refer to total enterprises cultivating fish, not the total enterprises cultivating 8 species of fish listed in the Table.

2.If an enterprise cultivated more than two species of fish, the enterprise will be numbered into the enterprises cultivating each kind of crops.

#### V. The Main Distributors of Agricultural and Fishery Products

##### A. The number of distributors for rice planting was government purchase exceeding 20%; the most distributors for fruits planting and chickens raising were shippers & wholesaler exceeding 60%.

In 2015, among the main distributors of agricultural products, shippers and wholesaler were the most; the same for fruits planting and broilers raising were 65.1% and 68.8%

respectively. The number of distributors for rice planting accounted for 22.2% due to government purchase, and that for vegetables planting directly sold to consumers also accounted for near 20.0%.

**Table 19 The main distributors of agricultural products by main industry**

2015

Unit: %

	Main distributor of agricultural products sold (enterprise)	Main distributors (Top 3)						% of main industry of the category
<b>Total</b>	<b>565 483</b>							
<b>Crop planting</b>	<b>551 927</b>	<b>Shippers, wholesaler</b>	<b>50.21</b>	<b>Processing factory</b>	<b>15.51</b>	<b>Government purchase</b>	<b>8.58</b>	<b>74.30</b>
Rice planting	213 692	Shippers, wholesaler	36.57	Processing factory	34.32	Government purchase	22.16	93.05
Coarse grains planting	47 707	Shippers, wholesaler	58.62	Farmer group	24.28	Consumers	9.30	92.20
Special crops planting	26 432	Shippers, wholesaler	35.83	Processing factory	32.25	Others	18.59	86.67
Vegetables planting	99 319	Shippers, wholesaler	56.33	Consumers	19.40	Wholesale markets	14.49	90.22
Fruits planting	153 077	Shippers, wholesaler	65.07	Wholesale markets	17.53	Consumers	10.62	93.22
Mushroom planting	1 280	Shippers, wholesaler	55.78	Processing factory	28.05	Wholesale markets	6.09	89.92
Flowers planting	4 719	Shippers, wholesaler	39.39	Wholesale markets	33.76	Consumers	8.35	81.50
Other crops planting	5 701	Shippers, wholesaler	60.06	Consumers	18.54	Retailers	8.84	87.44
<b>Livestock &amp; poultry raising</b>	<b>13 556</b>	<b>Shippers, wholesaler</b>	<b>54.40</b>	<b>Processing factory</b>	<b>19.28</b>	<b>Wholesale markets</b>	<b>16.84</b>	<b>90.52</b>
Beef raising	926	Processing factory	52.92	Shippers, wholesaler	39.31	Wholesale markets	3.46	95.68
Hogs raising	5 407	Shippers, wholesaler	49.07	Wholesale markets	32.03	Processing factory	12.80	93.90
Other livestock raising	1 506	Shippers, wholesaler	33.60	Processing factory	31.94	Consumers	16.40	81.94
Broilers raising	4 030	Shippers, wholesaler	68.76	Processing factory	16.25	Wholesale markets	7.07	92.08
Ducks raising	1 139	Shippers, wholesaler	69.10	Processing factory	20.72	Others	5.18	95.00
Other poultry raising	262	Shippers, wholesaler	77.48	Wholesale markets	8.02	Processing factory	6.49	91.98
Other livestock & poultry raising	286	Shippers, wholesaler	31.47	Consumers	25.87	Retailers	16.43	73.78

Note: The statistics of main distributors in this table were based on the number of enterprises, rather than the yield distribution of agricultural products.

**B. Nearly 60% of far sea fishery enterprises directly sold their fishery harvesting overseas; the number of distributors for coastal fishery were general consumers, accounting for 34.4%.**

In 2015, the primary products of far sea fishery were most directly sold overseas, accounting for 59.2%; other industries still took shippers and wholesaler as the main distributors; coastal fishery main distributors was consumers, accounting for 34.4%. Aquaculture industry sold their products to shippers, wholesaler, accounting for 91.2%.

**Table 20 The main distributors of fishery products by main industry**

		2015						Unit:%	
		Main distributor of agricultural products sold (enterprise)		Main distributors (Top 3)				% of main industry of the category	
<b>Total</b>		<b>35 661</b>							
<b>Fishing fishery</b>		<b>11 916</b>	<b>Shippers, wholesaler</b>	<b>37.55</b>	<b>Consumers</b>	<b>22.51</b>	<b>Wholesale markets</b>	<b>18.55</b>	<b>78.60</b>
Far sea		682	Foreign base	59.24	Shippers, wholesaler	21.70	Wholesale markets	10.26	91.20
Offshore		4 777	Shippers, wholesaler	42.81	Wholesale markets	28.49	Fisher group	9.38	80.68
Coastal		6 133	Shippers, wholesaler	35.94	Consumers	34.39	Wholesale markets	12.65	82.98
Inland		324	Consumers	43.52	Shippers, wholesaler	23.77	Retailers	19.14	86.42
<b>Aquaculture</b>		<b>23 745</b>	<b>Shippers, wholesaler</b>	<b>91.16</b>	<b>Wholesale markets</b>	<b>3.50</b>	<b>Consumers</b>	<b>1.70</b>	<b>96.36</b>
Marine		2 425	Shippers, wholesaler	88.91	Consumers	5.11	Wholesale markets	2.76	96.78
Inland brackish water		12 976	Shippers, wholesaler	92.96	Wholesale markets	3.07	Consumers	0.92	96.95
Fresh water		8 344	Shippers, wholesaler	89.02	Wholesale markets	4.37	Consumers	1.93	95.33

Note: The statistics of main distributors in this table were based on the number of enterprises, rather than the yield distribution of fishery products.

## VI. Agriculture-related and Fishery-related Business

**The agriculture-related and fishery-related business most were peddlers; more than 2,000 enterprises engaged in leisure agriculture and restaurants.**

By the end of 2015, among the enterprises operating agriculture-related business, 30,121 enterprises operated peddlers as the most; 5,992 enterprises operated food

processing; 2,222 enterprises operated leisure agriculture and restaurants; 771 enterprises operated internet sales. As for fishery, also 2,537 enterprises operated peddlers as the most; 447 enterprises operated leisure fishery and restaurants.

**Table 21 Enterprises of operating agriculture-related business**

		End of 2015							Unit: %
		Operating related businesses	Food processing	Leisure agriculture	Restaurants	Retail sales	Internet sales	Peddler	Export trade
<b>Grand total {</b>	<b>Number (enterprise)</b>	<b>38 709</b>	<b>5 992</b>	<b>1 876</b>	<b>346</b>	<b>1 685</b>	<b>771</b>	<b>30 121</b>	<b>196</b>
	<b>Proportion</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<b>By region</b>									
	Taiwan area	99.70	99.88	99.95	97.40	99.94	99.87	99.66	100.00
	Northern region	34.37	22.81	31.88	37.57	28.49	13.62	37.79	10.71
	Central region	34.24	34.80	41.90	22.54	46.11	26.46	33.20	50.00
	Southern region	28.99	38.07	16.04	28.90	19.70	45.91	27.63	36.73
	Eastern region	2.10	4.21	10.13	8.38	5.64	13.88	1.04	2.55
	Kinma area	0.30	0.12	0.05	2.60	0.06	0.13	0.34	—
<b>By main industry</b>									
	Crops planting	97.55	95.53	88.59	84.10	92.34	96.11	98.50	99.49
	Rice planting	2.70	2.15	3.73	4.62	3.32	4.41	2.69	—
	Coarse grains planting	7.48	0.65	0.96	1.16	1.60	3.63	9.34	0.51
	Special crops planting	11.28	54.74	14.07	13.29	43.86	10.64	2.85	2.55
	Vegetables planting	37.77	5.06	27.56	41.33	12.46	23.48	45.32	9.69
	Fruits planting	34.41	26.29	31.40	19.08	15.37	47.86	36.35	31.63
	Mushroom planting	1.12	6.49	0.59	1.45	1.54	1.30	0.11	—
	Flowers planting	1.26	0.13	5.70	2.89	6.29	2.72	0.61	52.04
	Other crops planting	1.52	0.02	4.58	0.29	7.89	2.08	1.23	3.06
	Livestock & poultry raising	2.19	4.47	6.02	15.90	7.66	3.89	1.50	0.51
	Livestock raising	1.03	2.32	3.84	4.91	4.09	1.30	0.64	—
	Poultry raising	0.89	1.35	1.81	10.69	2.20	1.30	0.72	0.51
	Other livestock & poultry raising	0.27	0.80	0.37	0.29	1.36	1.30	0.14	—
	Transition leisure	0.26	—	5.38	—	—	—	—	—

Note: 1. With self-owned agricultural resources operated food processing and leisure agriculture, or operated related businesses (excluding internet sales and agricultural products export) outside of self-owned agricultural resources, and should have the input on self-owned agricultural products.

2. If an enterprise operating more than two kind's related businesses at one time, it should be included in the related businesses respectively.

**Table 22 Enterprises of operating fishery-related business**

	End of 2015								Unit: %
	Operating related businesses	Food processing	Leisure fishery	Restaurants	Retail sales	Internet sales	Peddler	Export trade	
<b>Number (enterprise)</b>	<b>3 362</b>	<b>70</b>	<b>323</b>	<b>124</b>	<b>75</b>	<b>34</b>	<b>2 537</b>	<b>329</b>	
<b>Grand total {</b>									
<b>Proportion</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	
<b>By region</b>									
Taiwan area	97.50	95.71	98.14	95.16	97.33	100.00	97.16	100.00	
Northern region	44.50	25.71	42.72	39.52	38.67	26.47	51.64	0.61	
Central region	13.41	18.57	17.65	11.29	9.33	8.82	14.66	0.30	
Southern region	37.63	47.14	29.10	31.45	44.00	58.82	29.96	99.09	
Eastern region	1.96	4.29	8.67	12.90	5.33	5.88	0.91	—	
Kinma area	2.50	4.29	1.86	4.84	2.67	—	2.84	—	
<b>By main operation type</b>									
Fishing fishery	75.70	40.00	24.15	47.58	52.00	11.76	81.75	93.62	
Far sea	9.22	4.29	0.31	0.81	1.33	—	—	93.62	
Offshore	16.66	20.00	11.76	25.00	21.33	2.94	18.80	—	
Coastal	47.38	12.86	10.22	19.35	29.33	8.82	60.15	—	
Inland	2.44	2.86	1.86	2.42	—	—	2.80	—	
Aquaculture	19.39	60.00	24.77	52.42	48.00	88.24	18.25	6.38	
Marine	5.15	4.29	1.86	4.84	6.67	5.88	6.15	0.61	
Inland brackish water	7.85	38.57	7.12	13.71	21.33	55.88	7.61	2.13	
Fresh water	6.40	17.14	15.79	33.87	20.00	26.47	4.49	3.65	
Transition leisure	4.91	—	51.08	—	—	—	—	—	

Note: 1. With self-owned fishery resources operated food processing and leisure fishery, or operated related businesses (excluding internet sales and fishery products export) outside of self-owned fishery resources, and should have the input on self-owned primary fishery products.

2. If an enterprise operating more than two kind's related businesses at one time, it should be included in the related businesses respectively.



## VII. Gross Income of Agriculture and Fishery

### A. Gross income of agriculture and fishery increased.

In 2015, gross income of agriculture amounted to NT\$272,262 million, increasing NT\$73,176 million or 36.8% in 5 years, among which gross income of coarse grains planting increased by 1.2 times, due to the promotion of fallowed agricultural land activation. Average gross income per family of farm households was NT\$428,000, increasing by 33.3%. Gross income of fishery amounted to NT\$76,733 million, increasing by NT\$9,350 million or 13.9%, among which the export trade demand on inland brackish water aquaculture increased by 64.9%; average gross income per family of sole proprietorship fishery households was NT\$1,561,000, increasing by 43.3%.

**Table 23 Gross income of agriculture and fishery**

	2015				2010			
	Enterprises (enterprise)	Enterprises with gross income (enterprise)	Average annual gross income per enterprise (NT\$1,000)	Enterprises without gross income (enterprise)	Enterprises (enterprise)	Enterprises with gross income (enterprise)	Average annual gross income per enterprise (NT\$1,000)	Enterprises without gross income (enterprise)
<b>Agriculture</b>	<b>721 220</b>	<b>565 796</b>	<b>481</b>	<b>155 424</b>	<b>721 446</b>	<b>551 815</b>	<b>361</b>	<b>169 631</b>
Farm households	719 922	564 569	428	155 353	720 344	550 798	321	169 546
Farms	1 298	1 227	24 740	71	1 102	1 017	21 867	85
<b>Fishery</b>	<b>40 166</b>	<b>35 821</b>	<b>2 142</b>	<b>4 345</b>	<b>43 194</b>	<b>40 955</b>	<b>1 645</b>	<b>2 239</b>
Sole proprietorship Fishery households	39 279	34 949	1 561	4 330	41 749	39 540	1 089	2 209
Non-sole proprietorship Fishery households	887	872	25 433	15	1 445	1 415	17 179	30

Note: Gross income excluded agricultural and fishery subsidies; same conditions applied to the following tables.

**Table 24 Annual gross income of agriculture, by main industry**

	2015		2010		Comparison in 5 years		
	Gross income	Proportion	Gross income	Proportion	Increased/ Decreased number	Proportion	Increased/ Decreased rate
	(NTD Million)	(%)	(NTD Million)	(%)	(NTD Million)		
<b>Total</b>	<b>272 262</b>	<b>100.00</b>	<b>199 086</b>	<b>100.00</b>	<b>73 176</b>	<b>100.00</b>	<b>36.76</b>
<b>Crop planting</b>	184 304	67.69	127 750	64.17	56 553	77.28	44.27
Rice planting	34 258	12.58	27 674	13.90	6 583	9.00	23.79
Coarse grains planting	9 248	3.40	4 222	2.12	5 026	6.87	119.06
Special crops planting	14 693	5.40	10 933	5.49	3 760	5.14	34.39
Vegetables planting	40 240	14.78	25 228	12.67	15 013	20.52	59.51
Fruits planting	62 991	23.14	46 446	23.33	16 545	22.61	35.62
Mushroom planting	6 980	2.56	3 606	1.81	3 374	4.61	93.57
Flowers planting	11 237	4.13	7 506	3.77	3 731	5.10	49.71
Other crops planting	4 657	1.71	2 136	1.07	2 521	3.44	118.01
<b>Livestock &amp; poultry raising</b>	87 414	32.11	70 449	35.39	16 965	23.18	24.08
Livestock raising	53 053	19.49	43 777	21.99	9 275	12.67	21.19
Beef raising	11 626	4.27	8 479	4.26	3 147	4.30	37.11
Hogs raising	39 434	14.48	33 751	16.95	5 682	7.77	16.84
Other livestock raising	1 993	0.73	1 547	0.78	446	0.61	28.80
Poultry raising	34 016	12.49	26 466	13.29	7 550	10.32	28.53
Broilers raising	30 014	11.02	23 034	11.57	6 979	9.54	30.30
Ducks raising	3 170	1.16	2 327	1.17	843	1.15	36.23
Other poultry raising	832	0.31	1 105	0.56	-273	-0.37	-24.68
Other livestock & poultry raising	345	0.13	205	0.10	140	0.19	68.48
<b>Transition leisure</b>	545	0.20	887	0.45	-342	-0.47	-38.54

**Table 25 Annual gross income of fishery, by main industry**

	2015		2010		Comparison in 5 years		
	Gross income	Proportion	Gross income	Proportion	Increased/ Decreased number	Proportion	Increased/ Decreased rate
	(NTD Million)	(%)	(NTD Million)	(%)	(NTD Million)		
<b>Total</b>	<b>76 733</b>	<b>100.00</b>	<b>67 383</b>	<b>100.00</b>	<b>9 350</b>	<b>100.00</b>	<b>13.88</b>
<b>Fishing fishery</b>	36 425	47.47	35 934	53.33	491	5.25	1.37
Far Sea	21 682	28.26	25 499	37.84	-3 817	-40.82	-14.97
Offshore	12 266	15.99	7 966	11.82	4 300	45.99	53.99
Coastal	2 429	3.17	2 419	3.59	10	0.11	0.42
Inland	47	0.06	50	0.07	-3	-0.03	-5.20
<b>Aquaculture</b>	40 120	52.29	31 315	46.47	8 805	94.17	28.12
Marine	2 403	3.13	1 994	2.96	409	4.38	20.54
Inland brackish water	23 455	30.57	14 223	21.11	9 231	98.73	64.90
Fresh water	14 262	18.59	15 098	22.41	-836	-8.94	-5.53
<b>Transition leisure</b>	188	0.24	134	0.20	54	0.58	40.16

## B. Diversified operation was better than traditional operation both in agriculture and fishery.

In 2015, the average gross income of diversified operation per farm household and sole-proprietorship fishery household was NT\$1,538,000 and NT\$1,679,000 respectively, higher than NT\$414,000 and NT\$1,560,000 of traditional operation in same industry respectively.

**Table 26 Annual gross income of traditional and diversified operation of agriculture, by type of organization and main industry**

	Traditional operation				Diversified operation			
	Total	Enterprises with gross income		Enterprises without gross income	Total	Enterprises with gross income		Enterprises without gross income
		Ave. annual gross income per enterprise				Ave. annual gross income per enterprise		
(enterprise)	(enterprise)	(NT\$1,000)	(enterprise)	(enterprise)	(enterprise)	(NT\$1,000)	(enterprise)	
<b>2010</b>	<b>713 490</b>	<b>543 913</b>	<b>340</b>	<b>169 577</b>	<b>7 956</b>	<b>7 902</b>	<b>1 807</b>	<b>54</b>
<b>2015</b>	<b>713 647</b>	<b>558 228</b>	<b>449</b>	<b>155 419</b>	<b>7 573</b>	<b>7 568</b>	<b>2 881</b>	<b>5</b>
<b>Farm households</b>	<b>712 672</b>	<b>557 322</b>	<b>414</b>	<b>155 350</b>	<b>7 250</b>	<b>7 247</b>	<b>1 538</b>	<b>3</b>
Crops planting	699 313	544 694	295	154 619	6 903	6 900	1 479	3
Rice planting	264 880	213 485	159	51 395	184	184	1 444	—
Coarse grains planting	59 617	47 638	187	11 979	51	51	850	—
Special crops planting	30 492	23 018	309	7 474	3 346	3 345	1 365	1
Vegetables planting	141 893	98 517	381	43 376	736	736	1 157	—
Fruits planting	183 362	151 007	400	32 355	2 036	2 034	897	2
Mushroom planting	876	866	3 084	10	391	391	5 941	—
Flowers planting	4 992	4 544	1 366	448	84	84	2 617	—
Other crops planting	13 201	5 619	713	7 582	75	75	1 436	—
Livestock & poultry raising	13 359	12 628	5 543	731	268	268	3 294	—
Livestock raising	7 537	7 329	5 515	208	123	123	3 728	—
Poultry raising	5 589	5 068	5 792	521	97	97	3 690	—
Other livestock & poultry raising	233	231	954	2	48	48	1 380	—
Transition leisure	—	—	—	—	79	79	782	—
<b>Farms</b>	<b>975</b>	<b>906</b>	<b>21 739</b>	<b>69</b>	<b>323</b>	<b>321</b>	<b>33 211</b>	<b>2</b>
Growing of Crops	378	318	24 415	60	220	218	25 574	2
Animal Husbandry	597	588	20 293	9	81	81	56 815	—
Transition leisure	—	—	—	—	22	22	21 974	—

Note: 1. Traditional operation refers to the enterprises which operated agricultural production without food processing or leisure.

2. Diversified operation refers to the enterprises which operated food processing or leisure with agricultural production.

**Table 27 Annual gross income of traditional and diversified operation of fishery, by type of organization and main industry**

	Traditional operation				Diversified operation			
	Total (enterprise)	Enterprises with gross income		Enterprises without gross income (enterprise)	Total (enterprise)	Enterprises with gross income		Enterprises without gross income (enterprise)
		(enterprise)	Ave. annual gross income per enterprise (NT\$1,000)			(enterprise)	(enterprise)	
<b>2010</b>	<b>42 760</b>	<b>40 521</b>	<b>1 637</b>	<b>2 239</b>	<b>434</b>	<b>434</b>	<b>2 417</b>	—
<b>2015</b>	<b>39 778</b>	<b>35 433</b>	<b>2 117</b>	<b>4 345</b>	<b>388</b>	<b>388</b>	<b>4 462</b>	—
Sole proprietorship fishery households	38 914	34 584	1 560	4 330	365	365	1 679	—
Fishing fishery	13 613	11 014	1 353	2 599	98	98	1 445	—
Far sea	306	306	10 840	—	2	2	10 751	—
Offshore	5 030	4 356	2 163	674	47	47	1 549	—
Coastal	7 923	6 036	352	1 887	41	41	1 070	—
Inland	354	316	139	38	8	8	437	—
Aquaculture	25 301	23 570	1 656	1 731	111	111	3 155	—
Marine	2 586	2 407	929	179	9	9	1 755	—
Inland brackish Water	13 637	12 908	1 779	729	44	44	4 429	—
Fresh water	9 078	8 255	1 676	823	58	58	2 405	—
Transition leisure	—	—	—	—	156	156	776	—
Non-sole proprietorship Fishery households	864	849	24 805	15	23	23	48 628	—
Fishing fishery	799	797	25 647	2	6	6	155 917	—
Aquaculture	65	52	11 893	13	8	8	14 515	—
Transition leisure	—	—	—	—	9	9	7 424	—

Note: 1. Traditional operation refers to the enterprises which operated fishery production without food processing or leisure.

2. Diversified operation refers to the enterprises which operated food processing or leisure with fishery production.