



Development of agricultural productivity for the most important agricultural crops

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The sustainable economic development considers as the most important goals sought by the society in the Arab Republic of Egypt, which contains all the strategies and plans adopted by the state. Those strategies depend on two Axis, the first one is the horizontal expansion by increasing agricultural areas and new reclaimed lands added to the area cultivated currently, and vertical expansion by increasing Hectare productivity which is considered the most important axis regarding the limited agricultural land resource. This report concerns with the evolution of Hectare productivity of agricultural crops during the period (1985 - 2015) in order to identify the most important production changes, this report contains the main geographical areas in the Arab Republic of Egypt, Lower Egypt, Behera, Kafr-El Sheikh, and Sharkia, as it includes the most important Hectare crops, vegetable crops, medicinal, aromatic crops and fruit crops during different seasons (winter, summer and Nili).

1- Lower Egypt

1- 1- Winter field crops:

The study shows the evolution of productivity developed in Hectare crops during the period (1985 - 2015) in the winter season, the productivity per Hectare of Barley is about 2.691 Ton/Hectare in 1985, increased to about 4.026 Ton/Hectare in 2015, as well as increased productivity of Chick peas is about 1.125 Ton/Hectare. in 1985 to about 2.143 Ton/Hectare. in 2009. as well as increased productivity of Faba bean (Green) is about 10.848 Ton/Hectare. in 1985 to about 12.593 Ton/Hectare. in 2015. as well as increased productivity of Faba bean (Dry) is about 2.310 Ton/Hectare. in 1985 to about 3.266 Ton/Hectare. in year 2015. as well as increased productivity of Flax is about 6.857 Ton/Hectare. in 1985 to about 10.086 Ton/Hectare. in year 2015. as well as increased productivity of Garlic is about 15.638 Ton/Hectare. in 1985 to about 18.005 Ton/Hectare. in year 2015. as well as the productivity of Lentil is about 1.806 Ton/Hectare. In year 1985 increased to about 2.095 Ton/Hectare. In year 2015. as well as the productivity of

Lupine is about 1.332 Ton/Hectare. In 1985 increased to about 1.925 Ton/Hectare. In year 2015. as well as the productivity of winter Onion is about 18.495 Ton/Hectare. In year 1985 increased to about 36.160 Ton/Hectare. In year 2015. as well as the productivity of Sugar Beet is about 33.871 Ton/Hectare. In year 1985 increased to about 50.474 ton /fed. In year 2015. as well as the productivity of Wheat is about 3.932 Ton/Hectare. In year 1985 increased to about 6.871 Ton/Hectare. In year 2015.

1- 2 - Winter vegetable crops:

The productivity of Winter cabbage is about 25.357 Ton/Hectare. In year 1985 increased to about 32.567 Ton/Hectare. In year 2015. As will as the productivity of Winter Cucumber is about 11.905 Ton/Hectare. In year 1985 increased to about 32.493 Ton/Hectare. In year 2015. As will as the productivity of Winter Egg plant is about 17.976 Ton/Hectare. In year 1985 increased to about 27.112 Ton/Hectare. In year 2015. As will as the productivity of Winter Kidney bean (green) is about 5.952 Ton/Hectare. In year 1986 increased to about 7.143 Ton/Hectare. In year 2014. As will as the productivity of Winter Pepper is about 10.476 Ton/Hectare. In year 1985 increased to about 13.421 Ton/Hectare. In year 2015. As will as the productivity of Winter potato (1) is about 23.571 Ton/Hectare. In year 2004, increased to about 24.898 Ton/Hectare. In year 2015. As will as the productivity of Winter potato (2) is about 19.262 Ton/Hectare. In year 1991, increased to about 25.548 Ton/Hectare. In year 2003. As will as the productivity of Winter Squash is about 16.929 Ton/Hectare. In year 1985 increased to about 21.210 Ton/Hectare. In year 2015. As will as the productivity of Winter Strawberry is about 11.167 Ton/Hectare. In year 1985 increased to about 41.348 Ton/Hectare. In year 2015. As will as the productivity of Winter Tomato is about 16.881 Ton/Hectare. In year 1985 increased to about 42.193 Ton/Hectare. In year 2015.

1- 3 – Summer field crops:

The productivity of Cotton is about 2.565 Ton/Hectare. In year 1985 decreased to about 1.594 Ton/Hectare. In year 2015. As will as the productivity of summer Ground

nut is about 1.816 Ton/Hectare. In year 1985 increased to about 3.371 Ton/Hectare. In year 2015. As will as the productivity of summer Maize is about 4.957 Ton/Hectare. In year 1985 increased to about 8.193 Ton/Hectare. In year 2015. As will as the productivity of summer Onion is about 18.519 Ton/Hectare. In year 1985 increased to about 24.474 Ton/Hectare. In year 2015. As will as the productivity of summer Rice is about 5.955 Ton/Hectare. In year 1985 increased to about 9.481 Ton/Hectare. In year 2015. As will as the productivity of summer Soybean is about 3.345 Ton/Hectare. In year 1985 increased to about 3.452 Ton/Hectare. In year 2014, decreased to about 2.762 Ton/Hectare. In 2015. As will as the productivity of Sugarcane is about 83.905 Ton/Hectare. In year 1985 increased to about 91.979 Ton/Hectare. In year 2015. As will as the productivity of Summer Sunflower is about 3.702 Ton/Hectare. In year 1985 decreased to about 2.555 Ton/Hectare. In year 2015.

1- 4 - Summer vegetable crops:

The productivity of Summer Cabbage is about 25.690 Ton/Hectare. In year 1985 increased to about 31.510 Ton/Hectare. In year 2015. As will as the productivity of Summer Cucumber is about 19.167 Ton/Hectare. In year 1985 increased to about 19.871 Ton/Hectare. In year 2015. As will as the productivity of Summer Egg plant is about 23.714 Ton/Hectare. In year 1985 increased to about 27.655 Ton/Hectare. In year 2015. As will as the productivity of Summer Kidney bean (green) is about 9.929 Ton/Hectare. In year 1985 decreased to about 9.264 Ton/Hectare. In year 2015. As will as the productivity of Summer Okra is about 13.048 Ton/Hectare. In year 1985 decreased to about 9.529 Ton/Hectare. In year 2015. As will as the productivity of Summer Pepper is about 15.833 Ton/Hectare. In year 1985 increased to about 16.460 Ton/Hectare. In year 2015. As will as the productivity of Summer Potato is about 20.714 Ton/Hectare. In year 1985 increased to about 30.224 Ton/Hectare. In year 2015. As will as the productivity of Summer Squash is about 20.119 Ton/Hectare. In year 1985 decreased to about 17.943 Ton/Hectare. In year 2015. As will as the productivity of Summer Tomato is about 25.524 Ton/Hectare. In year 1985 increased to about 39.421 Ton/Hectare. In year 2015.

As will as the productivity of Summer Water melon is about 25.119 Ton/Hectare. In year 1985 increased to about 32.881 Ton/Hectare. In year 2015.

1- 5 - Nili crops:

The productivity of Nili Maize is about 3.887 Ton/Hectare. In year 1985 increased to about 7.603 Ton/Hectare. In year 2015. As will as the productivity of Nili Tomato is about 20.238 Ton/Hectare. In year 1985 increased to about 44.817 Ton/Hectare. In year 2015. As will as the productivity of Nili Sunflower is about 1.612 Ton/Hectare. In year 1994 increased to about 1.786 Ton/Hectare. In year 2001.

1- 6 - Medical and aromatic crops:

The productivity of Anis is about 1.700 Ton/Hectare. In year 1988 and to about 2.381 Ton/Hectare. In year 2011, decreased to about 0.793 Ton/Hectare. In year 2013. As will as the productivity of Caraway is about 2.221 Ton/Hectare. In year 1988 decreased to about 1.976 Ton/Hectare. In year 2015. As will as the productivity of Coriander is about 1.760 Ton/Hectare. In year 1988 increased to about 2.052 Ton/Hectare. In year 2015. As will as the productivity of Cumin is about 1.700 Ton/Hectare. In year 1988 decreased to about 1.093 Ton/Hectare. In year 2015. As will as the productivity of Jasmine is about 12.083 Ton/Hectare. In year 1988 decreased to about 10.179 Ton/Hectare. In year 2015. As will as the productivity of Marjoram is about 33.624 Ton/Hectare. In year 1988 increased to about 47.619 Ton/Hectare. In year 2015. As will as the productivity of Spearmint is about 15.929 Ton/Hectare. In year 1988 increased to about 28.571 Ton/Hectare. In year 2015.

1- 7 – Orchard trees:

The productivity of Apple is about 9.752 Ton/Hectare. In year 1985 increased to about 20.693 Ton/Hectare. In year 2015. As will as the productivity of Banana is about 21.093 Ton/Hectare. In year 1985 increased to about 46.676 Ton/Hectare. In year 2015. As will as the productivity of Date is about 36.160 Ton/Hectare. In year 1985 increased

to about 45.685 Ton/Hectare In year 2015. As will as the productivity of Grapes is about 8.424 Ton/Hectare. In year 1985 increased to about 21.064 Ton/Hectare. In year 2015. As will as the productivity of Mango is about 7.850 Ton/Hectare. In year 1985 increased to about 8.743 Ton/Hectare. In year 2015. As will as the productivity of Olive is about 1.467 Ton/Hectare. In year 1985 increased to about 8.750 Ton/Hectare. In year 2015. As will as the productivity of Orange is about 15.807 Ton/Hectare. In year 1985 increased to about 25.533 Ton/Hectare. In year 2015. As will as the productivity of Peach is about 10.155 Ton/Hectare. In year 1985 increased to about 19.017 Ton/Hectare. In year 2015.

Table No. (1) The productivity of crop in Lower Egypt during (1985 -2015)

	(Ton/Hectare)															
crop	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
winter field crops																
Barley	2.691	2.700	2.809	2.906	2.960	3.051	3.174	3.471	3.494	3.531	3.654	4.046	3.803	3.854	3.986	3.357
Chick peas	1.125	1.407	1.446	1.429	1.443	1.739	1.832	1.914	2.100	2.064	2.093	2.071	1.846	1.864	1.789	1.893
Faba bean (Green)	10.848	10.450	11.029	9.943	10.331	10.352	10.667	10.064	10.786	9.995	13.660	13.352	10.055	12.679	9.783	12.600
Faba bean (Dry)	2.310	2.148	2.495	1.945	2.672	2.355	1.893	2.218	2.709	2.502	3.130	3.447	3.351	3.384	2.388	3.262
Flax	6.857	6.510	6.631	6.712	6.667	6.660	6.519	6.545	7.029	11.429	7.310	7.310	7.486	8.000	7.702	7.938
Garlic	15.638	13.519	15.081	15.302	14.912	16.860	17.581	16.838	17.017	16.229	16.629	19.712	19.910	20.417	17.998	20.936
Lentil	1.806	1.699	2.072	2.198	2.141	2.149	1.798	2.034	2.004	1.916	2.084	2.130	1.878	1.886	1.909	1.653
Lupine	1.332	1.346	1.475	1.350	1.564	1.561	1.582	1.596	1.579	1.604	1.657	1.750	1.600	1.661	1.725	1.589
Winter Onion	18.495	18.800	18.495	18.310	19.114	20.283	19.264	22.333	26.007	23.033	25.700	24.414	27.681	29.848	32.067	28.405
Sugar beat	33.871	38.569	41.129	41.514	41.060	40.152	53.645	48.331	49.748	49.140	45.267	39.386	42.864	45.664	46.160	45.869
Wheat	3.932	3.914	4.714	4.711	4.964	5.593	5.346	5.782	5.929	5.654	5.882	6.082	5.686	6.286	6.704	6.711
winter vegetable crops																
Winter Cabbage	25.357	24.762	29.452	28.214	23.762	26.476	26.357	26.143	26.333	28.738	26.667	27.405	27.214	27.619	28.738	29.048
Winter Cucumber	11.905	12.000	13.500	13.905	12.786	15.524	15.643	14.881	15.714	14.310	16.071	28.381	26.357	25.833	17.048	17.905
Winter Egg plant	17.976	17.929	22.881	18.190	19.738	20.905	18.929	12.619	13.333	15.738	15.095	16.310	14.500	13.929	15.333	16.167
Winter Kidney bean (green)	0.000	5.952	5.952	11.905	9.524	9.524	0.000	10.714	0.000	0.000	0.000	0.000	12.476	9.524	9.667	0.000
Winter Pepper	10.476	10.690	13.024	12.405	9.310	11.619	12.119	10.167	8.548	9.262	10.286	10.786	13.048	13.214	11.643	12.310
Winter Potato(1)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Potato (2)	0.000	0.000	0.000	0.000	0.000	0.000	19.262	19.738	18.857	20.214	20.929	20.095	21.595	25.262	22.881	22.857
Winter Squach	16.929	17.000	17.738	17.119	15.262	16.762	16.119	11.857	12.214	15.143	18.500	19.167	19.381	19.071	18.381	17.714
Winter Strawberry	11.167	14.167	15.738	14.929	14.881	16.357	15.190	15.810	15.643	15.833	16.833	22.071	23.571	22.310	24.286	27.643
Winter Tomato	16.881	19.405	21.024	18.786	14.595	17.595	20.143	19.548	23.429	36.143	36.286	34.000	30.881	30.476	31.810	57.286

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (1) The productivity of crop in Lower Egypt during (1985 -2015)

(Ton/Hectare)

crop	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
winter field crops															
Barley	4.149	3.989	4.017	3.911	4.351	4.389	4.260	4.157	4.137	3.686	4.051	3.997	4.057	4.100	4.026
Chick peas	1.861	2.029	2.029	2.046	2.093	1.925	1.879	2.068	2.143	0.000	0.000	0.000	0.000	0.000	0.000
Faba bean (Green)	12.595	14.069	13.169	12.612	12.983	12.202	11.114	10.700	13.521	11.176	11.210	10.252	12.029	12.607	12.593
Faba bean (Dry)	3.255	3.273	3.303	3.358	3.484	3.502	3.480	3.535	3.561	3.059	3.089	3.340	3.417	3.358	3.266
Flax	8.226	8785.713	9.964	10.371	10.121	9.460	10.526	10.305	10.369	10.140	10.567	12.112	9.552	9.807	10.086
Garlic	22.300	21.464	21.595	22.550	24.945	21.933	23.262	22.874	21.852	18.714	17.919	17.567	18.093	18.148	18.005
Lentil	1.962	2.179	2.488	2.575	2.583	2.556	2.343	2.290	2.183	1.570	1.855	2.331	2.328	2.210	2.095
Lupine	1.671	1.332	1.686	1.711	1.936	1.996	1.954	1.896	2.386	2.196	2.179	2.061	1.561	1.454	1.925
Winter Onion	29.817	29.110	30.783	31.421	29.629	29.171	30.819	31.902	33.429	34.164	33.652	34.474	37.007	36.802	36.160
Sugar beat	47.524	48.690	48.995	48.419	48.450	49.540	51.831	48.631	48.969	49.162	49.526	51.907	51.062	51.326	50.474
Wheat	6.632	6.679	7.857	6.786	6.782	6.750	6.721	6.732	6.546	6.025	6.539	6.807	6.864	6.675	6.871
winter vegetable crops															
Winter Cabbage	28.952	30.119	28.667	29.476	29.524	29.952	31.667	31.095	31.857	32.981	32.726	31.710	33.033	33.743	32.567
Winter Cucumber	16.660	17.405	17.190	18.524	17.952	24.381	24.905	22.976	22.112	24.055	22.926	25.064	26.252	27.776	32.493
Winter Egg plant	19.405	20.000	20.476	20.000	22.690	25.881	23.143	28.452	27.790	28.169	27.721	29.445	30.805	30.543	27.112
Winter Kidney bean (green)	9.524	0.000	10.143	9.524	9.524	0.000	9.524	0.000	0.000	10.848	9.524	9.524	8.867	7.143	0.000
Winter Pepper	14.238	15.690	15.857	15.262	15.381	16.119	15.929	14.905	16.374	16.226	16.940	15.040	15.993	18.448	13.421
Winter Potato(1)	0.000	0.000	0.000	23.571	23.214	23.619	25.167	24.810	25.743	24.945	25.490	25.762	25.464	25.262	24.898
Winter Potato (2)	24.143	24.286	25.548	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Squach	18.429	19.024	18.643	17.429	17.119	18.381	15.952	15.214	17.726	19.129	18.424	20.321	18.331	21.764	21.210
Winter Strawberry	25.690	25.190	25.333	27.095	28.881	28.690	33.524	39.238	41.752	45.176	39.274	39.364	40.464	40.314	41.348
Winter Tomato	33.167	33.786	34.500	38.190	36.857	38.405	38.500	38.190	43.274	43.074	41.598	41.402	43.286	40.917	42.193

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Development of agricultural productivity for the most important agricultural crops

Con. Table No. (1) The productivity of crop in Lower Egypt during (1985 -2015)

(Ton/Hectare)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Crop																
Summer field crops																
Cotton	2.565	2.576	2.452	2.250	2.014	2.021	0.000	2.816	2.899	2.066	2.126	2.194	2.531	1.774	2.137	2.490
Summer Ground nut	1.816	1.641	1.652	1.909	1.893	1.891	2.002	2.141	2.225	2.995	3.054	3.009	3.243	3.107	3.184	3.193
Summer Maize	4.957	4.937	5.070	5.280	5.750	6.183	6.310	6.437	6.427	6.700	6.260	7.083	7.700	7.903	8.347	8.470
Summer Onion	18.51 9	17.89 8	22.08 8	19.67 1	19.94 0	19.74 0	20.10 0	21.48 3	25.60 0	26.37 1	24.64 0	26.15 5	23.24 3	26.92 4	26.71 9	27.03 8
Summer Rice	5.955	5.783	5.848	6.067	6.514	7.298	7.486	7.688	7.755	7.952	8.190	8.355	8.690	8.683	8.948	9.150
Summer Soybean	3.345	3.210	3.214	3.105	3.062	3.143	3.164	2.855	2.907	2.810	2.381	2.748	2.921	3.017	2.912	2.983
Sugarcane	83.90 5	83.39 5	0.000	81.23 8	83.88 6	91.55 0	92.32 4	91.87 4	90.54 0	88.00 2	87.06 9	85.89 0	87.45 2	87.27 4	88.81 0	88.25 5
Summer Sunflower	3.702	1.326	1.867	1.262	1.202	1.581	1.762	1.788	1.829	1.914	1.814	2.052	2.143	2.079	2.048	2.064
Summer vegetable crops																
Summer Cabbage	25.69 0	27.76 2	29.45 2	28.11 9	25.81 0	30.31 0	28.04 8	29.47 6	29.50 0	32.09 5	33.00 0	31.71 4	25.76 2	24.31 0	27.04 8	28.73 8
Summer Cucumber	19.16 7	19.33 3	18.38 1	17.31 0	17.47 6	19.26 2	14.95 2	16.71 4	16.28 6	16.71 4	18.04 8	17.09 5	17.45 2	17.14 3	18.50 0	19.23 8
Summer Egg plant	23.71 4	24.04 8	27.38 1	25.26 2	23.33 3	24.07 1	22.83 3	24.19 0	23.71 4	24.38 1	25.76 2	24.23 8	27.57 1	26.23 8	27.45 2	25.78 6
Summer Kidney bean (green)	9.929	11.54 8	14.14 3	8.071	10.07 1	10.69 0	11.11 9	10.11 9	11.92 9	11.07 1	11.26 2	10.73 8	11.19 0	2.214	9.381	10.59 5
Summer Okra	13.04 8	13.78 6	14.00 0	14.31 0	13.71 4	13.19 0	14.19 0	12.50 0	12.76 2	13.31 0	12.07 1	11.81 0	13.64 3	14.31 0	15.09 5	14.64 3
Summer Pepper	15.83 3	16.33 3	16.66 7	14.61 9	15.40 5	16.83 3	16.35 7	16.07 1	14.92 9	14.76 2	15.04 8	14.81 0	14.83 3	14.54 8	14.81 0	16.52 4
Summer Potato	20.71 4	19.83 3	26.02 4	21.83 3	24.07 1	24.69 0	23.14 3	23.52 4	20.42 9	22.02 4	23.35 7	20.31 0	23.64 3	24.09 5	25.61 9	27.16 7
Summer Squach	20.11 9	20.85 7	19.52 4	19.00 0	19.19 0	20.61 9	19.47 6	20.11 9	20.21 4	20.45 2	19.16 7	18.97 6	19.16 7	18.59 5	18.83 3	18.92 9
Summer Tomato	25.52 4	24.64 3	30.64 3	22.92 9	28.78 6	28.64 3	26.31 0	36.07 1	31.66 7	30.95 2	32.45 2	33.50 0	33.19 0	32.23 8	32.92 9	33.33 3
Summer Water melon	25.11 9	22.57 1	25.33 3	22.71 4	20.59 5	22.71 4	23.04 8	26.31 0	25.92 9	25.33 3	30.19 0	29.52 4	31.64 3	26.69 0	26.21 4	28.69 0

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (1) The productivity of crop in Lower Egypt during (1985 -2015)

(Ton/Hectare)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Crop															
Summer field crops															
Cotton	2.711	2.554	2.715	2.704	3.484	2.730	2.629	2.490	2.415	2.479	2.947	2.104	2.134	2.006	1.594
Summer Ground nut	3.077	3.216	3.382	3.296	3.171	3.271	3.230	3.305	3.429	3.204	3.346	3.416	3.454	3.473	3.371
Summer Maize	8.553	8.553	8.520	8.603	8.907	8.917	8.677	8.493	8.467	8.350	8.800	8.683	8.590	8.597	8.193
Summer Onion	25.488	29.290	28.831	23.410	25.226	25.267	19.612	26.240	30.571	34.690	29.986	23.960	27.086	22.274	24.474
Summer Rice	9.317	9.424	9.781	9.867	10.064	10.138	9.798	9.764	9.626	9.490	9.698	9.555	9.688	9.586	9.481
Summer Soybean	2.690	2.955	3.243	3.214	3.367	3.707	3.360	3.038	2.912	2.760	3.076	2.895	3.431	3.452	2.762
Sugarcane	88.690	87.664	87.974	88.326	86.500	87.410	88.000	88.864	89.521	90.267	90.010	89.048	90.348	90.002	91.979
Summer Sunflower	1.960	2.045	2.040	2.190	2.267	2.293	2.362	2.314	2.281	2.288	2.431	2.364	2.414	2.645	2.555
Summer vegetable crops															
Summer Cabbage	25.405	25.214	25.333	24.714	26.690	30.357	29.929	26.548	33.129	30.717	29.700	30.381	30.593	31.679	31.510
Summer Cucumber	18.167	19.667	18.786	20.976	23.476	24.857	22.429	22.024	19.700	20.483	19.419	19.881	18.148	18.307	19.871
Summer Egg plant	26.310	26.500	26.524	26.595	27.738	28.405	26.857	28.143	27.095	27.876	27.021	26.879	27.283	26.871	27.655
Summer Kidney bean (green)	11.286	11.071	9.714	11.286	10.643	10.310	8.952	7.595	9.940	9.586	7.681	7.217	8.938	7.650	9.264
Summer Okra	12.976	12.905	14.500	15.381	15.095	14.143	12.976	11.190	11.355	12.195	10.719	11.348	10.612	9.767	9.529
Summer Pepper	15.190	16.500	16.143	17.190	16.548	16.714	15.143	16.190	17.179	16.133	15.300	14.386	15.636	15.952	16.460
Summer Potato	26.000	26.571	27.238	28.810	28.857	28.857	29.881	29.405	29.190	28.552	29.481	30.026	30.105	29.505	30.224
Summer Squach	17.714	19.190	18.762	18.500	19.143	19.048	18.833	18.833	19.645	18.810	18.093	17.664	18.876	18.595	17.943
Summer Tomato	22.024	33.143	33.881	37.548	37.357	35.286	33.429	37.786	32.843	32.388	32.324	38.552	39.757	39.588	39.421
Summer Water melon	29.857	31.238	29.643	32.310	34.857	35.738	37.262	33.952	26.590	26.276	31.748	35.386	37.119	37.610	32.881

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (1) The productivity of crop in Lower Egypt during (1985 -2015)

	(Ton/Hectare)															
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Crop																
Nili crops																
Nili Maize	3.887	3.623	3.893	4.143	4.093	4.270	4.343	4.793	4.810	5.190	5.243	5.603	6.227	6.000	6.427	6.770
Nili Tomato	20.238	18.929	20.762	16.643	13.405	17.000	13.833	19.071	19.524	17.762	20.714	22.810	26.183	17.548	22.690	27.690
Nili Sunflower	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.612	2.764	3.174	1.433	2.779	2.500	0.000
Medical and aromatic crops																
Anis	0.000	0.000	0.000	1.700	0.681	0.000	2.381	1.190	1.831	1.786	1.719	2.000	1.879	0.000	0.000	0.000
Caraway	0.000	0.000	0.000	2.221	2.179	2.145	1.871	1.860	1.724	2.083	2.643	2.119	1.957	1.971	2.269	2.157
Coriander	0.000	0.000	0.000	1.760	2.350	2.117	1.588	2.100	2.088	2.086	2.131	2.381	2.381	2.381	2.305	2.381
Cumin	0.000	0.000	0.000	1.700	1.360	0.000	0.000	0.000	0.000	0.745	0.650	0.979	1.269	1.190	1.076	1.181
Jasmine	0.000	0.000	0.000	12.083	5.726	4.117	4.076	8.431	7.864	7.207	6.976	6.979	7.450	7.181	6.988	7.517
Marjoram	0.000	0.000	0.000	33.624	14.881	15.131	15.664	17.079	19.524	23.386	21.855	14.286	7.452	33.033	32.721	20.055
Spearmint	0.000	0.000	0.000	15.929	12.740	13.038	18.331	21.807	21.369	23.295	25.733	24.379	25.990	24.574	34.740	36.460
Orchard trees																
Apple	9.752	7.983	6.336	6.990	6.562	8.595	9.138	10.302	16.048	12.571	14.810	16.548	14.786	15.881	16.286	17.214
Banana	21.093	21.024	23.486	26.126	6.414	30.881	30.912	28.783	33.500	31.738	32.786	33.976	34.310	34.619	35.690	34.976
Date	36.160	0.000	27.880	32.669	38.507	33.385	41.729	38.562	37.983	38.491	36.658	39.032	34.745	38.219	42.043	42.345
Grapes	8.424	7.250	7.969	10.238	11.617	15.895	14.933	16.660	19.167	18.524	19.405	19.571	17.881	19.571	16.881	19.143
Mango	7.850	5.964	5.988	4.452	6.414	5.743	7.029	28.783	10.095	8.548	10.167	8.667	9.857	8.667	11.333	11.476
Olive	1.467	1.679	2.121	3.031	3.481	4.298	5.310	5.214	8.452	6.762	7.429	8.643	7.762	7.214	8.857	9.595
Orange	15.807	14.926	16.800	14.205	16.671	18.752	19.860	20.336	17.595	17.952	20.500	21.857	20.095	19.524	21.119	20.524
Peach	10.155	7.545	6.883	9.395	9.912	12.700	15.095	15.507	17.310	17.857	18.571	19.857	18.857	20.024	19.857	19.881

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (1) The productivity of crop in Lower Egypt during (1985 -2015)

	(Ton/Hectare)														
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Crop															
Nili crops															
Nili Maize	6.910	7.047	7.310	7.263	7.383	7.330	7.467	7.200	7.397	7.073	7.487	7.167	7.057	7.320	7.603
Nili Tomato	26.976	27.024	28.238	33.190	37.429	29.190	28.286	26.381	28.290	22.898	27.169	28.826	27.957	35.600	44.817
Nili Sunflower	1.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical and aromatic crops															
Anis	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.083	2.381	0.000	0.793	0.000	0.000
Caraway	2.345	2.607	2.164	2.095	2.267	2.095	2.019	1.719	2.195	2.157	2.205	2.226	2.186	2.148	1.976
Coriander	2.381	2.381	2.057	2.381	2.202	2.248	2.212	11.905	7.143	2.117	2.150	9.448	2.136	9.524	2.052
Cumin	1.155	0.917	0.979	0.998	1.345	1.038	1.321	1.386	1.305	1.045	1.267	1.324	1.345	0.762	1.093
Jasmine	7.043	7.033	6.907	6.981	7.590	8.333	7.129	8.333	8.333	9.524	10.119	10.119	10.317	10.476	10.179
Marjoram	22.929	18.524	31.443	37.662	44.595	24.860	46.683	51.190	49.524	53.619	48.214	48.810	51.786	47.619	47.619
Spearmint	36.893	23.743	25.319	28.976	0.000	23.810	38.598	44.871	45.000	43.562	45.193	45.105	45.238	0.000	28.571
Orchard trees															
Apple	17.071	17.619	17.214	17.524	17.786	18.071	18.905	17.857	19.729	17.548	20.007	20.957	17.414	20.019	20.693
Banana	37.643	38.190	38.357	40.262	42.167	44.048	43.071	42.190	43.160	44.583	43.179	42.900	45.252	45.624	46.676
Date	42.280	40.460	39.272	39.599	39.278	43.672	45.618	43.416	42.269	45.901	43.469	43.275	43.075	45.613	45.685
Grapes	17.167	18.762	17.452	18.810	18.119	18.667	18.357	18.286	18.910	16.562	17.524	19.517	18.019	19.457	21.064
Mango	12.167	10.857	11.048	11.738	10.048	13.619	10.929	7.571	8.245	6.826	6.764	9.105	7.581	9.250	8.743
Olive	10.024	10.429	8.143	8.595	7.667	13.214	13.310	9.310	10.150	7.812	9.045	14.526	9.714	10.145	8.750
Orange	21.333	22.929	22.333	23.310	23.833	25.095	23.238	22.405	23.979	23.526	23.569	23.345	22.960	24.686	25.533
Peach	20.310	21.952	20.476	18.405	21.381	21.214	19.452	20.024	21.148	19.457	17.783	18.983	19.067	17.114	19.017

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

2- Second: Behera Governorate:

2- 1- Winter field crops:

The study shows the evolution of productivity developed in Hectare crops during the period (1985 - 2015) in the winter season , the productivity per Hectare of Barley is about 2.606 Ton/Hectare in year 1985, increased to about 3.891 Ton/Hectare in 2015, as well as increased productivity of Chick peas is about 1.064 Ton/Hectare. in 1985 to about 2.086 Ton/Hectare. in year 2008. as well as increased productivity of Faba bean (Green) is about 7.214 Ton/Hectare. in 1985 to about 7.855 Ton/Hectare. in year 2001. as well as increased productivity of Faba bean (Dry) is about 2.052 Ton/Hectare. in 1985 to about 3.251 Ton/Hectare. in year 2015. as well as increased productivity of Flax is about 6.664 Ton/Hectare. in 1985 to about 9.338 Ton/Hectare. in year 2015. as well as increased productivity of Garlic is about 11.412 Ton/Hectare. in 1985 to about 25.917 Ton/Hectare. in year 2015. as well as the productivity of Lentil is about 0.926 Ton/Hectare. In year 1985 increased to about 1.840 Ton/Hectare. In year 1999. as well as the productivity of Lupine is about 1.582 Ton/Hectare. In year 1985 decreased to about 1.404 Ton/Hectare. In year 1992. as well as the productivity of winter Onion is about 11.383 Ton/Hectare. In year 1985 increased to about 42.640 Ton/Hectare. In year 2015. as well as the productivity of Sugar Beet is about 35.305 Ton/Hectare. In year 1985 increased to about 42.912 ton /fed. In year 2015. as well as the productivity of Wheat is about 2.179 Ton/Hectare. In year 1985 increased to about 6.714 Ton/Hectare. In year 2015.

2-2 - Winter vegetable crops :

The productivity of Winter cabbage is about 22.643 Ton/Hectare. In year 1985 increased to about 26.088 Ton/Hectare. In year 2015. As will as the productivity of Winter Cucumber is about 15.976 Ton/Hectare. In year 2000, increased to about 26.786 Ton/Hectare. In year 2015. As will as the productivity of Winter Egg plant is about 11.571 Ton/Hectare. In year 1985 increased to about 25.257 Ton/Hectare. In year 2015. As will as the productivity of Winter Kidney bean (green) is about 10.143 Ton/Hectare. In year 2003. As will as the productivity of Winter Pepper is about 8.905 Ton/Hectare. In year 1985 increased to about 11.745 Ton/Hectare. In year 2015. As will as the

productivity of Winter potato(1) is about 22.238 Ton/Hectare. In year 2004, increased to about 26.555 Ton/Hectare. In year 2015. As will as the productivity of Winter potato(2) is about 15.786 Ton/Hectare. In year 1991, increased to about 20.524 Ton/Hectare. In year 2003. As will as the productivity of Winter Squash is about 12.524 Ton/Hectare. In year 1985 increased to about 15.183 Ton/Hectare. In year 2015. As will as the productivity of Winter Strawberry is about 23.810 Ton/Hectare. In year 1999 increased to about 27.867 Ton/Hectare. In year 2015. As will as the productivity of Winter Tomato is about 20.619 Ton/Hectare. In year 1985 increased to about 31.912 Ton/Hectare. In year 2015.

2- 3 – Summer field crops:

The productivity of Cotton is about 2.647 Ton/Hectare. In year 1985 decreased to about 1.372 Ton/Hectare. In year 2015. As will as the productivity of summer Ground nut is about 1.032 Ton/Hectare. In year 1985 increased to about 3.750 Ton/Hectare. In year 2015. As will as the productivity of summer Maize is about 5.350 Ton/Hectare. In year 1985 increased to about 8.180 Ton/Hectare. In year 2015. As will as the productivity of summer Onion is about 13.924 Ton/Hectare. In year 1985 increased to about 22.560 Ton/Hectare. In year 2015. As will as the productivity of summer Rice is about 6.695 Ton/Hectare. In year 1985 increased to about 9.119 Ton/Hectare. In year 2015. As will as the productivity of summer Soybean is about 3.412 Ton/Hectare. In year 1985, decreased to about 3.150 Ton/Hectare. In 2015. As will as the productivity of Sugarcane is about 63.431 Ton/Hectare. In year 1985 increased to about 66.667 Ton/Hectare. In year 2015. As will as the productivity of Summer Sunflower is about 1.805 Ton/Hectare. In year 1985 decreased to about 2.517 Ton/Hectare. In year 2015.

2-4 - Summer vegetable crops:

The productivity of Summer Cabbage is about 31.333 Ton/Hectare. In year 1987 increased to about 41.969 Ton/Hectare. In year 2015. As will as the productivity of Summer Cucumber is about 15.071 Ton/Hectare. In year 1985 increased to about 15.850 Ton/Hectare. In year 2015. As will as the productivity of Summer Egg plant is about 20.548 Ton/Hectare. In year 1985 increased to about 29.745 Ton/Hectare. In year 2015.

As well as the productivity of Summer Kidney bean (green) is about 9.119 Ton/Hectare. In year 1985 increased to about 12.024 Ton/Hectare. In year 2006. As well as the productivity of Summer Okra is about 12.833 Ton/Hectare. In year 1985 decreased to about 6.957 Ton/Hectare. In year 2015. As well as the productivity of Summer Pepper is about 15.048 Ton/Hectare. In year 1985 increased to about 17.410 Ton/Hectare. In year 2015. As well as the productivity of Summer Potato is about 19.762 Ton/Hectare. In year 1985 increased to about 31.007 Ton/Hectare. In year 2015. As well as the productivity of Summer Squash is about 23.524 Ton/Hectare. In year 1985 decreased to about 18.624 Ton/Hectare. In year 2015. As well as the productivity of Summer Tomato is about 26.214 Ton/Hectare. In year 1985 increased to about 36.952 Ton/Hectare. In year 2015. As well as the productivity of Summer Water melon is about 23.381 Ton/Hectare. In year 1985 increased to about 37.226 Ton/Hectare. In year 2015.

2-5 - Nili crops:

The productivity of Nili Maize is about 2.510 Ton/Hectare. In year 1985 increased to about 6.607 Ton/Hectare. In year 2015. As well as the productivity of Nili Tomato is about 20.786 Ton/Hectare. In year 1985 increased to about 35.714 Ton/Hectare. In year 2015. As well as the productivity of Nili Sunflower is about 1.612 Ton/Hectare. In year 1994.

2-6 - Medical and aromatic crops:

The productivity of Anis is about 1.905 Ton/Hectare. In year 1993 and to about 2.00 Ton/Hectare. In year 1996, decreased to about 1.879 Ton/Hectare. In year 1997. As well as the productivity of Caraway is about 2.236 Ton/Hectare. In year 1985 decreased to about 1.919 Ton/Hectare. In year 2015. As well as the productivity of Coriander is about 1.731 Ton/Hectare. In year 2003 increased to about 2.238 Ton/Hectare. In year 2015. As well as the productivity of Cumin is about 0.793 Ton/Hectare. In year 1988 increased to about 1.324 Ton/Hectare. In year 2010. As well as the productivity of Marjoram is about 57.143 Ton/Hectare. In year 1998 decreased to about 47.619 Ton/Hectare. In year 2005. As well as the productivity of Spearmint is about 7.143 Ton/Hectare. In year 1988 decreased to about 4.762 Ton/Hectare. In year 1999.

2-7 – Orchard trees:

The productivity of Apple is about 11.286 Ton/Hectare. In year 1985 increased to about 21.864 Ton/Hectare. In year 2015. As will as the productivity of Banana is about 16.219 Ton/Hectare. In year 1985 increased to about 45.329 Ton/Hectare. In year 2015. As will as the productivity of Date is about 48.931 Ton/Hectare. In year 1985 increased to about 54.963 Ton/Hectare In year 2015. As will as the productivity of Grapes is about 3.802 Ton/Hectare. In year 1985 increased to about 30.862 Ton/Hectare. In year 2015. As will as the productivity of Mango is about 6.667 Ton/Hectare. In year 1985 increased to about 10.767 Ton/Hectare. In year 2015. As will as the productivity of Olive is about 1.043 Ton/Hectare. In year 1985 increased to about 9.524 Ton/Hectare. In year 2015. As will as the productivity of Orange is about 15.602 Ton/Hectare. In year 1985 increased to about 27.612 Ton/Hectare. In year 2015. As will as the productivity of Peach is about 18.226 Ton/Hectare. In year 1985 increased to about 23.221 Ton/Hectare. In year 2010, and decreased to about 14.407 in year 2015.

Table No. (2) The productivity of crop in Behera during (1985 -2015)

	(Ton/Hectare)															
crop	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
winter field crops																
Barley	2.606	2.680	2.837	2.709	2.871	2.903	2.871	2.926	2.940	3.051	3.706	3.951	3.480	3.851	3.437	4.006
Chick peas	1.064	1.421	1.454	1.429	1.446	1.789	1.914	1.971	2.143	2.150	2.143	2.143	1.886	1.896	1.914	2.011
Faba bean (Green)	7.214	7.781	8.138	8.471	8.529	6.119	7.717	0.000	8.393	10.774	11.064	10.538	12.407	5.502	7.262	0.000
Faba bean (Dry)	2.052	2.122	2.329	1.236	2.580	1.904	1.830	1.967	2.469	2.617	2.919	2.919	3.211	3.657	2.465	3.008
Flax	6.664	6.605	6.981	7.281	6.676	5.405	6.214	6.133	6.402	10.833	8.248	7.479	7.321	9.593	10.324	8.026
Garlic	11.412	11.700	12.871	10.445	10.998	16.114	16.667	23.167	19.048	19.164	20.133	21.314	18.881	20.540	19.048	19.048
Lentil	0.926	0.000	1.048	0.000	0.000	0.000	0.762	1.524	0.000	0.000	0.000	0.000	0.000	0.000	1.840	0.000
Lupine	1.582	1.189	1.071	1.071	0.000	0.000	0.000	1.404	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Onion	11.383	11.929	12.495	11.629	12.260	12.381	12.762	12.938	13.810	11.883	17.893	16.117	25.121	22.036	20.521	25.352
Sugar beat	35.305	35.714	35.714	0.000	0.000	0.000	54.831	54.762	0.000	0.000	0.000	0.000	51.940	42.202	43.374	46.538
Wheat	2.179	3.725	4.496	4.482	4.804	5.104	5.468	5.661	5.750	5.786	5.971	6.086	6.079	6.086	6.582	6.600
winter vegetable crops																
Winter Cabbage	22.643	22.571	37.690	32.667	23.667	26.810	25.476	22.690	22.452	23.238	22.452	23.833	22.000	20.976	22.452	24.143
Winter Cucumber	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.976
Winter Egg plant	11.571	12.571	22.452	17.190	10.667	15.024	11.310	9.357	12.524	12.929	11.857	12.262	12.595	12.976	16.095	19.071
Winter Kidney bean (green)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Pepper	8.905	8.905	12.762	10.143	9.405	9.238	9.595	9.667	9.810	8.119	9.238	10.476	12.238	11.119	9.833	8.381
Winter Potato(1)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Potato (2)	0.000	0.000	0.000	0.000	0.000	0.000	15.786	18.738	18.333	21.071	21.143	18.571	20.095	26.762	20.619	20.929
Winter Squach	12.524	12.619	17.381	15.571	12.238	15.143	13.167	8.881	17.833	13.381	18.786	17.048	17.000	16.071	18.000	19.071
Winter Strawberry	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23.810	10.952
Winter Tomato	20.619	20.738	27.429	21.929	12.929	14.857	13.190	9.619	18.286	19.619	14.238	17.214	17.095	19.571	20.476	18.976

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (2) The productivity of crop in Behera during (1985 -2015

(Ton/Hectare)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
crop															
winter field crops															
Barley	4.111	0.354	3.691	3.920	3.980	3.860	3.911	3.983	3.969	3.851	4.140	4.134	4.143	3.909	3.891
Chick peas	1.914	2.046	2.050	2.068	0.000	1.932	1.886	2.086	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Faba bean (Green)	7.855	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Faba bean (Dry)	3.244	3.270	3.362	3.325	3.428	3.428	3.425	3.273	3.458	3.174	3.148	3.288	3.329	3.299	3.251
Flax	9.602	9.662	9.779	12.445	11.495	10.917	10.779	11.890	10.845	10.955	11.652	9.676	7.586	8.971	9.338
Garlic	22.933	21.633	22.181	21.179	23.181	20.852	24.810	24.631	20.550	19.698	20.821	20.348	19.445	18.495	25.917
Lentil	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Lupine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Onion	26.150	21.774	27.793	32.117	31.124	30.364	30.952	31.379	32.098	32.588	36.083	39.931	43.819	41.843	42.640
Sugar beat	50.505	45.745	38.588	38.571	41.312	40.607	42.026	41.548	41.560	43.360	44.845	43.731	44.476	44.333	42.912
Wheat	6.689	6.768	6.686	6.686	7.168	6.914	6.907	7.271	6.779	6.236	6.729	6.907	6.971	7.014	6.714
winter vegetable crops															
Winter Cabbage	24.762	25.833	26.143	27.833	27.857	28.976	29.238	29.286	28.657	30.290	29.662	29.886	31.931	29.376	26.088
Winter Cucumber	0.000	0.000	0.000	28.571	33.333	33.286	28.405	28.238	26.188	25.000	27.810	25.436	28.314	30.164	26.786
Winter Egg plant	20.048	20.500	24.024	20.952	20.857	19.548	19.833	20.357	19.402	20.426	20.710	22.655	21.979	26.560	25.257
Winter Kidney bean (green)	0.000	0.000	10.143	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Pepper	8.857	12.619	13.048	13.310	13.786	13.429	12.238	12.262	12.812	12.795	12.298	10.386	11.476	13.502	11.745
Winter Potato(1)	0.000	0.000	0.000	22.238	22.810	23.024	23.405	24.429	25.588	25.105	26.021	25.812	29.129	27.162	26.555
Winter Potato (2)	21.310	20.452	20.524	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Squach	16.810	17.738	17.667	14.429	14.405	14.119	11.238	11.357	11.529	11.524	12.293	14.055	13.767	15.710	15.183
Winter Strawberry	28.571	0.000	0.000	20.714	22.905	22.310	28.762	0.000	29.024	29.048	28.571	26.190	27.381	28.571	27.867
Winter Tomato	0.000	21.452	21.619	23.833	23.643	27.619	29.310	28.381	25.586	25.143	24.402	25.414	27.069	32.883	31.912

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (2) The productivity of crop in Behera during (1985 -2015)

	(Ton/Hectare)															
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
crop																
Summer field crops																
Cotton	2.647	2.760	2.404	2.456	2.497	2.722	2.940	3.495	3.150	2.486	2.422	2.445	2.857	2.062	2.404	2.704
Summer Ground nut	1.032	1.018	1.129	1.196	1.280	1.270	1.502	1.539	1.814	219.643	2.162	2.461	2.502	2.859	3.007	3.086
Summer Maize	5.350	5.723	5.720	6.137	6.883	7.797	8.043	8.110	8.060	8.267	7.677	8.133	8.373	8.487	8.973	8.883
Summer Onion	13.924	15.579	17.069	15.719	12.638	13.095	13.095	13.333	19.048	0.000	20.717	26.981	26.710	25.817	26.988	27.145
Summer Rice	6.695	6.950	7.024	7.555	8.133	8.083	8.133	8.307	8.271	8.410	8.824	8.683	8.779	9.048	9.324	9.405
Summer Soybean	3.412	3.448	3.421	3.260	3.098	3.190	2.957	2.619	2.874	2.962	2.986	3.267	3.393	3.767	3.248	3.379
Sugarcane	63.431	63.695	0.000	86.883	63.490	64.981	63.079	62.819	63.440	61.843	64.307	58.881	60.074	59.814	63.610	64.736
Summer Sunflower	1.805	1.679	1.274	0.764	1.440	1.324	1.688	1.810	1.867	1.912	2.036	2.071	2.064	2.069	2.090	2.055
Summer vegetable crops																
Summer Cabbage	0.000	0.000	31.333	26.071	23.405	35.714	0.000	0.000	11.905	0.000	42.548	0.000	34.476	20.214	35.310	32.643
Summer Cucumber	15.071	14.167	16.595	13.762	14.405	14.619	13.357	16.595	17.119	18.405	19.071	19.952	19.119	16.810	19.881	16.762
Summer Egg plant	20.548	21.143	27.119	18.595	19.929	19.500	19.500	20.357	22.262	21.738	24.476	23.714	23.810	23.190	26.714	22.500
Summer Kidney bean (green)	9.119	10.595	9.524	9.381	6.000	0.000	0.000	4.762	0.000	0.000	0.000	0.000	10.000	2.262	6.810	15.262
Summer Okra	12.833	13.357	13.357	11.643	12.310	13.667	14.119	11.452	10.714	11.167	10.786	10.571	10.476	9.905	13.714	12.571
Summer Pepper	15.048	15.381	17.190	14.048	13.810	15.786	15.881	15.167	13.548	13.905	14.857	14.429	13.429	12.833	12.262	14.667
Summer Potato	19.762	19.690	25.762	22.905	25.214	24.810	24.286	23.667	21.333	20.500	21.929	21.452	24.000	25.238	28.238	27.833
Summer Squach	23.524	23.190	15.786	17.929	20.643	23.643	22.833	22.286	20.333	21.500	20.524	19.690	20.262	19.024	19.143	17.857
Summer Tomato	26.214	25.548	37.262	17.214	31.738	29.452	22.833	37.286	30.381	30.452	25.905	30.476	25.667	27.476	24.595	24.262
Summer Water melon	23.381	22.881	24.786	23.167	20.786	20.548	21.024	21.762	24.000	24.952	25.071	23.786	22.238	21.738	13.905	22.095

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (2) The productivity of crop in Behera during (1985 -2015)

	(Ton/Hectare)														
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
crop															
Summer field crops															
Cotton	2.951	2.531	2.550	2.771	2.280	2.486	2.666	2.404	2.546	2.707	2.872	2.141	2.366	2.160	1.372
Summer Ground nut	2.927	3.141	3.070	3.125	3.148	3.321	3.564	3.164	3.234	3.193	3.118	3.496	3.866	3.750	3.750
Summer Maize	9.137	9.180	9.673	9.203	8.910	8.760	9.060	8.943	8.947	8.697	9.027	9.000	8.973	8.887	8.180
Summer Onion	30.879	37.045	40.250	35.245	47.460	40.757	39.826	38.095	37.776	38.855	33.700	39.529	0.000	0.000	22.560
Summer Rice	9.438	9.643	9.921	10.105	9.843	9.886	10.021	10.326	10.150	8.145	10.110	10.145	9.648	9.640	9.119
Summer Soybean	3.445	3.481	3.236	3.095	3.126	2.381	3.233	2.852	2.381	2.486	3.031	2.381	2.381	2.905	3.150
Sugarcane	66.650	66.829	68.367	72.464	69.081	66.081	67.393	60.779	59.336	65.752	65.314	63.586	65.205	66.667	66.667
Summer Sunflower	1.940	2.036	2.045	2.193	2.279	2.295	2.374	2.317	2.290	2.321	2.433	2.357	2.402	2.521	2.517
Summer vegetable crops															
Summer Cabbage	25.024	27.571	27.429	29.357	29.476	51.333	51.262	51.262	51.395	51.357	44.998	39.605	40.019	41.990	41.969
Summer Cucumber	16.881	20.119	18.952	23.357	20.143	21.929	22.095	21.310	20.502	20.810	20.021	19.700	13.864	16.100	15.850
Summer Egg plant	22.119	23.190	26.667	25.690	25.548	28.024	28.500	28.333	28.245	29.152	27.517	27.700	27.798	30.012	29.745
Summer Kidney bean (green)	11.810	12.619	11.286	0.000	0.000	12.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Summer Okra	7.714	8.810	8.714	10.690	11.595	10.976	10.286	9.619	9.814	10.712	10.117	9.467	8.643	9.536	6.957
Summer Pepper	13.738	15.881	15.548	15.500	13.857	13.048	13.476	13.286	13.857	13.633	13.643	14.743	16.600	17.069	17.410
Summer Potato	26.190	25.857	26.238	27.881	30.048	28.286	28.833	28.810	30.121	29.469	28.671	27.426	30.805	28.007	31.007
Summer Squach	16.238	17.333	17.381	17.857	17.881	18.024	18.143	18.405	18.317	18.486	18.019	17.886	19.412	19.088	18.624
Summer Tomato	30.238	25.500	25.357	34.952	32.333	29.810	30.095	29.095	27.771	28.162	29.102	32.331	36.648	37.074	36.952
Summer Water melon	23.738	25.429	26.119	31.738	31.071	32.524	31.429	30.119	25.921	25.876	27.033	30.890	35.621	33.505	37.226

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (2) The productivity of crop in Behera during (1985 -2015)

	(Ton/Hectare)															
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Nili crops																
Nili Maize	2.510	2.570	3.240	3.017	3.270	3.317	3.380	4.130	4.977	4.900	4.970	5.333	7.130	4.880	6.143	6.410
Nili Tomato	20.786	19.810	22.095	18.452	16.214	15.952	15.595	17.357	17.690	14.762	16.690	18.119	23.167	15.714	16.119	19.643
Nili Sunflower	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.612	0.000	0.000	0.000	0.000	0.000	0.000
Medical and aromatic crops																
Anis	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.905	1.786	1.924	2.000	1.879	0.000	0.000	0.000
Caraway	0.000	0.000	0.000	2.236	2.205	2.238	1.912	1.643	1.757	1.862	1.752	1.900	2.019	2.121	2.279	1.805
Coriander	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cumin	0.000	0.000	0.000	0.793	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jasmine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Marjoram	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.010	57.143	57.143	47.619
Spearmint	0.000	0.000	0.000	7.143	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.571	4.762	4.762	0.000
Orchard trees																
Apple	11.286	4.860	3.602	5.529	4.286	5.795	6.193	8.512	14.214	10.262	16.571	18.786	14.286	17.857	20.119	20.881
Banana	16.219	25.957	22.371	27.229	8.140	28.988	32.212	26.783	32.976	28.452	28.833	29.976	28.833	29.024	32.452	35.024
Date	48.931	0.000	35.528	23.777	37.850	26.682	45.456	37.261	36.594	40.502	32.604	42.468	34.402	37.050	47.866	48.617
Grapes	3.802	4.426	7.093	8.895	11.064	13.579	13.555	17.652	20.476	16.548	16.881	18.881	19.000	20.548	20.786	18.071
Mango	6.667	7.395	7.945	6.698	8.140	7.133	8.595	26.783	7.452	9.786	6.786	7.000	7.286	4.452	6.929	8.000
Olive	1.043	3.507	1.726	2.762	3.826	5.474	13.186	14.583	7.143	5.357	6.190	8.333	6.667	6.190	7.619	13.048
Orange	15.602	13.055	18.207	16.310	18.600	19.105	19.881	21.598	16.167	17.690	22.119	22.357	18.048	21.548	22.143	22.024
Peach	18.226	8.583	6.731	7.019	9.543	7.569	10.750	15.352	22.167	16.976	24.738	24.595	20.690	26.190	20.357	20.667

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Development of agricultural productivity for the most important agricultural crops

Con. Table No. (2) The productivity of crop in Behera during (1985 -2015)

(Ton/Hectare)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Nili crops															
Nili Maize	6.600	6.673	7.327	7.153	7.397	6.790	6.910	7.053	6.743	5.817	6.607	6.990	6.050	6.780	6.607
Nili Tomato	19.929	21.095	21.976	21.714	21.952	22.429	21.429	22.095	20.950	20.090	20.605	24.857	27.288	31.767	35.714
Nili Sunflower	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical and aromatic crops															
Anis	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Caraway	2.312	2.312	2.145	2.014	1.986	2.052	1.988	1.505	2.067	2.079	2.179	2.169	2.126	2.140	1.919
Coriander	0.000	0.000	1.731	2.381	2.100	2.381	2.155	0.000	0.000	2.190	2.248	0.000	2.174	0.000	2.238
Cumin	0.000	1.588	1.190	1.514	1.429	0.952	0.000	0.000	1.064	1.324	0.000	0.000	0.000	0.000	0.000
Jasmine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Marjoram	0.000	0.000	0.000	47.619	47.619	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Spearmint	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Orchard trees															
Apple	20.429	23.690	21.571	23.143	22.571	22.667	21.714	16.738	19.862	19.876	19.738	22.810	15.540	20.886	21.864
Banana	40.024	40.310	39.667	43.167	44.333	46.500	45.405	44.167	46.212	46.790	45.500	45.714	47.638	44.671	45.329
Date	36.267	39.845	38.543	36.069	40.658	47.859	40.719	45.544	40.847	48.043	48.457	48.200	40.146	52.259	54.963
Grapes	17.143	22.167	22.167	22.381	22.929	22.952	21.952	25.810	24.588	22.090	21.436	26.736	21.431	27.433	30.862
Mango	7.667	9.762	7.500	7.476	9.357	9.952	12.548	13.952	12.476	10.929	10.300	11.974	10.624	13.840	10.767
Olive	9.714	12.548	14.405	15.119	15.333	15.024	15.381	9.524	9.524	8.502	9.524	8.731	10.317	10.317	9.524
Orange	22.738	23.405	22.262	23.810	23.000	25.024	22.810	21.381	24.255	25.000	25.048	25.498	25.743	27.852	27.612
Peach	20.714	25.786	22.833	23.810	23.214	23.500	20.405	21.262	22.943	23.221	13.205	18.067	15.667	12.250	14.407

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

3- Kafr-El Sheikh Governorate:

3- 1- Winter field crops:

The study shows the evolution of productivity developed in Hectare crops during the period (1985 - 2015) in the winter season, the productivity per Hectare of Barley of about 2.503Ton/Hectare in 1985, increased to about 4.263 Ton/Hectare in 2015, as well as productivity of Chick peas is about 1.232 Ton/Hectare. in 1986. as well as increased productivity of Faba bean (Green) is about 5.264 Ton/Hectare. in 1985 to about 9.679 Ton/Hectare. in 2015. as well as increased productivity of Faba bean (Dry) is about 2.004 Ton/Hectare. in 1985 to about 3.170 Ton/Hectare. in year 2015. as well as increased productivity of Flax is about 5.757 Ton/Hectare. in 1985 to about 14.921 Ton/Hectare. in year 2015. as well as decreased productivity of Garlic is about 10.010 Ton/Hectare. in 1985 to about 9.524 Ton/Hectare. in year 2012. as well as the productivity of Lentil is about 1.051 Ton/Hectare. In year 1985 increased to about 1.714 Ton/Hectare. In year 2010. as well as the productivity of Lupine is about 1.311 Ton/Hectare. In 1985 increased to about 1.786 Ton/Hectare. In year 2000. as well as the productivity of winter Onion is about 11.826 Ton/Hectare. In year 1985 increased to about 34.036 Ton/Hectare. In year 2015. as well as the productivity of Sugar Beet is about 35.571 Ton/Hectare. In year 1985 increased to about 46.0590 ton /fed. In year 2015. as well as the productivity of Wheat is about 3.675 Ton/Hectare. In year 1985 increased to about 6.404 Ton/Hectare. In year 2015.

3-2 - Winter vegetable crops :

The productivity of Winter cabbage is about 23.714 Ton/Hectare. In year 1985 increased to about 31.862 Ton/Hectare. In year 2015. As will as the productivity of Winter Cucumber is about 11.905 Ton/Hectare. In year 1985 increased to about 35.714 Ton/Hectare. In year 2015. As will as the productivity of Winter Egg plant is about 20.738 Ton/Hectare. In year 1985 increased to about 32.936 Ton/Hectare. In year 2015. As will as the productivity of Winter Pepper is about 7.524 Ton/Hectare. In year 1985 increased to about 17.348 Ton/Hectare. In year 2015. As will as the productivity of Winter potato(1) is about 26.310 Ton/Hectare. In year 2004, increased to about 33.398 Ton/Hectare. In year 2015. As will as the productivity of Winter potato(2) is about 19.00

Ton/Hectare. In year 1991, increased to about 26.833 Ton/Hectare. In year 2003. As will as the productivity of Winter Squash is about 19.071 Ton/Hectare. In year 1985 increased to about 21.429 Ton/Hectare. In year 2015. As will as the productivity of Winter Strawberry is about 4.762 Ton/Hectare. In year 1985. As will as the productivity of Winter Tomato is about 13.429 Ton/Hectare. In year 1985 increased to about 41.114 Ton/Hectare. In year 2015.

3-3 – Summer field crops:

The productivity of Cotton is about 2.122 Ton/Hectare. In year 1985 decreased to about 1.646 Ton/Hectare. In year 2015. As will as the productivity of summer Ground nut is about 1.786 Ton/Hectare. In year 2001, increased to about 1.943 Ton/Hectare. In year 2010. As will as the productivity of summer Maize is about 4.663 Ton/Hectare. In year 1985 increased to about 8.667 Ton/Hectare. In year 2015. As will as the productivity of summer Rice is about 5.652 Ton/Hectare. In year 1985 increased to about 9.138 Ton/Hectare. In year 2015. As will as the productivity of summer Soybean is about 2.129 Ton/Hectare. In year 1985 increased to about 2.169 Ton/Hectare. In year 2015. As will as the productivity of Sugarcane is about 70.255 Ton/Hectare. In year 1985 increased to about 95.631 Ton/Hectare. In year 2015. As will as the productivity of Summer Sunflower is about 1.429 Ton/Hectare. In year 1985 increased to about 1.852 Ton/Hectare. In year 2015.

3-4 - Summer vegetable crops:

The productivity of Summer Cabbage is about 20.238 Ton/Hectare. In year 1985 increased to about 29.471 Ton/Hectare. In year 2015. As will as the productivity of Summer Cucumber is about 14.690 Ton/Hectare. In year 1985 increased to about 20.919 Ton/Hectare. In year 2015. As will as the productivity of Summer Egg plant is about 19.857 Ton/Hectare. In year 1985 increased to about 36.038 Ton/Hectare. In year 2015. As will as the productivity of Summer Kidney bean (green) is about 10.310 Ton/Hectare. In year 1986 decreased to about 9.524 Ton/Hectare. In year 1999. As will as the productivity of Summer Okra is about 14.286 Ton/Hectare. In year 1985 increased to about 19.345 Ton/Hectare. In year 2015. As will as the productivity of Summer Pepper is

about 10.786 Ton/Hectare. In year 1985 increased to about 18.810 Ton/Hectare. In year 2015. As will as the productivity of Summer Potato is about 20.952 Ton/Hectare. In year 1985 increased to about 37.388 Ton/Hectare. In year 2015. As will as the productivity of Summer Squash is about 16.810 Ton/Hectare. In year 1985 increased to about 20.850 Ton/Hectare. In year 2015. As will as the productivity of Summer Tomato is about 22.500 Ton/Hectare. In year 1985 increased to about 41.760 Ton/Hectare. In year 2015. As will as the productivity of Summer Water melon is about 21.429 Ton/Hectare. In year 1985 increased to about 40.476 Ton/Hectare. In year 2015.

3-5 - Nili crops:

The productivity of Nili Maize is about 2.587 Ton/Hectare. In year 1985 increased to about 5.460 Ton/Hectare. In year 2014. As will as the productivity of Nili Tomato is about 15.524 Ton/Hectare. In year 1985 increased to about 33.333 Ton/Hectare. In year 2014.

3-6 - Medical and aromatic crops:

The productivity of Anis is about 1.588 Ton/Hectare. In year 1993. As will as the productivity of Caraway is about 0.793 Ton/Hectare. In year 1985 increased to about 1.905 Ton/Hectare. In year 2015. As will as the productivity of Coriander is about 1.190 Ton/Hectare. In year 1989 increased to about 2.779 Ton/Hectare. In year 2010. As will as the productivity of Cumin is about 0.793 Ton/Hectare. In year 1996 increased to about 1.190 Ton/Hectare. In year 2010. As will as the productivity of Jasmine is about 8.467 Ton/Hectare. In year 1988 decreased to about 7.143 Ton/Hectare. In year 1991. As will as the productivity of Spearmint is about 19.048 Ton/Hectare. In year 1988 increased to about 38.095 Ton/Hectare. In year 2013.

3-7 – Orchard trees:

The productivity of Apple is about 11.757 Ton/Hectare. In year 1985 increased to about 36.190 Ton/Hectare. In year 2015. As will as the productivity of Banana is about 13.505 Ton/Hectare. In year 1985 increased to about 45.026 Ton/Hectare. In year 2015. As will as the productivity of Date is about 26.141 Ton/Hectare. In year 1985 increased

to about 41.553 Ton/Hectare In year 2015. As will as the productivity of Grapes is about 5.105 Ton/Hectare. In year 1985 increased to about 28.143 Ton/Hectare. In year 2015. As will as the productivity of Mango is about 4.048 Ton/Hectare. In year 1985 increased to about 11.905 Ton/Hectare. In year 2015. As will as the productivity of Orange is about 12.860 Ton/Hectare. In year 1985 increased to about 24.348 Ton/Hectare. In year 2015. As will as the productivity of Peach is about 10.317 Ton/Hectare. In year 1985 increased to about 26.190 Ton/Hectare. In year 2015.

Table No. (3) The productivity of crop in Kafr-El Sheikh during (1985 -2015)

Crop	(Ton/Hectare)															
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
winter field crops																
Barley	2.503	3.051	3.251	3.229	3.397	3.257	3.169	3.303	3.211	3.680	3.717	3.420	2.974	3.109	4.057	3.737
Chick peas	0.000	1.232	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Faba bean (Green)	5.264	5.405	5.669	4.002	4.698	6.500	8.757	7.064	7.183	7.471	7.600	7.831	7.962	7.981	5.521	7.864
Faba bean (Dry)	2.004	2.067	2.174	1.919	2.491	2.491	2.078	2.078	2.580	2.687	3.148	3.713	3.384	3.321	2.295	3.248
Flax	5.757	5.633	5.405	5.629	5.600	5.667	5.719	5.717	5.795	13.405	5.871	5.829	5.876	7.231	7.340	7.633
Garlic	10.010	10.040	10.269	10.205	10.417	10.317	10.493	10.907	10.774	12.302	12.302	10.317	0.000	0.000	11.071	12.531
Lentil	1.051	1.345	1.943	2.187	2.236	2.236	1.413	1.608	1.608	1.779	1.950	2.419	2.248	2.190	1.630	1.905
Lupine	1.311	0.000	0.000	0.250	2.261	2.143	2.025	0.000	1.786	0.000	1.707	0.000	0.000	0.000	0.000	1.786
Winter Onion	11.826	11.081	11.164	11.305	11.407	11.750	12.014	12.576	12.805	12.388	15.724	14.776	14.607	14.729	19.488	19.095
Sugar beat	35.571	39.674	41.929	42.186	41.905	41.148	54.410	48.019	49.583	48.738	44.702	38.548	41.743	45.471	46.910	44.207
Wheat	3.675	3.793	4.796	4.643	4.736	5.825	5.929	6.104	6.111	6.171	2.336	6.279	5.789	6.736	6.807	6.607
winter vegetable crops																
Winter Cabbage	23.714	23.690	24.571	22.762	24.119	27.500	27.357	20.762	23.881	24.024	24.476	25.214	25.571	28.786	26.190	27.310
Winter Cucumber	11.905	0.000	0.000	0.000	0.000	0.000	0.000	0.000	19.048	0.000	0.000	0.000	38.095	47.619	35.714	33.238
Winter Egg plant	20.738	27.381	29.405	17.595	31.881	28.667	31.548	21.214	21.381	22.405	22.167	22.952	20.952	23.595	23.500	20.571
Winter Kidney bean (green)	0.000	0.000	2.381	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Pepper	7.524	7.976	8.357	7.286	6.595	8.929	7.952	4.929	7.024	9.476	9.786	7.143	7.143	7.738	8.524	8.786
Winter Potato(1)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Potato (2)	0.000	0.000	0.000	0.000	0.000	0.000	19.000	20.571	21.333	17.381	21.262	20.881	21.786	25.762	24.500	24.095
Winter Squach	19.071	16.286	17.976	19.881	17.357	22.071	21.452	12.119	16.357	18.286	20.833	18.381	0.000	15.810	16.833	17.881
Winter Strawberry	4.762	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Tomato	13.429	21.738	21.595	21.810	14.738	13.238	12.500	10.881	18.524	24.881	21.738	21.833	20.524	21.571	28.095	29.476

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (3) The productivity of crop in Kafr-El Sheikh during (1985 -2015)

	(Ton/Hectare)														
crop	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
winter field crops															
Barley	3.480	3.620	3.923	4.177	4.509	4.554	4.577	4.640	4.637	3.663	4.303	4.089	4.303	4.446	4.263
Chick peas	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Faba bean (Green)	8.205	8.605	8.738	9.417	9.690	9.583	9.805	9.581	9.612	9.955	9.807	9.302	10.043	10.245	9.679
Faba bean (Dry)	2.975	308.155	3.277	3.329	3.440	3.535	346.536	3.842	3.558	2.683	2.779	3.222	3.273	3.244	3.170
Flax	7.771	8.417	9.524	9.945	10.660	9.310	10.560	10.714	10.100	10.690	10.705	14.200	14.993	15.026	14.921
Garlic	0.000	11.905	9.864	11.905	0.000	0.000	0.000	0.000	0.000	9.638	9.740	9.524	0.000	0.000	0.000
Lentil	1.905	1.905	0.000	0.000	0.000	0.000	0.000	0.000	1.577	1.714	0.000	0.000	0.000	0.000	0.000
Lupine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Onion	22.033	20.867	19.900	21.983	20.443	29.240	28.755	19.114	23.331	23.529	25.290	26.217	28.117	16.326	34.036
Sugar beat	45.371	47.319	49.057	48.650	48.721	49.602	50.843	49.300	48.748	47.657	47.755	48.874	47.952	48.148	46.590
Wheat	6.571	6.607	6.600	6.671	6.632	6.671	6.746	6.354	6.386	6.075	6.354	6.454	6.343	6.364	6.404
winter vegetable crops															
Winter Cabbage	29.595	31.214	29.548	31.524	30.143	29.738	32.667	31.167	29.364	30.355	31.364	31.498	32.245	29.462	31.862
Winter Cucumber	26.190	30.952	90.786	55.429	0.000	0.000	0.000	19.048	19.048	19.048	21.429	20.048	37.795	35.714	35.714
Winter Egg plant	21.500	22.786	21.929	22.476	25.381	27.714	28.048	27.810	26.457	31.388	38.095	39.450	37.714	38.067	32.936
Winter Kidney bean (green)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Pepper	9.357	9.667	9.524	14.286	10.357	9.929	11.548	11.881	11.905	14.286	16.667	16.667	17.519	16.836	17.348
Winter Potato(1)	0.000	0.000	0.000	26.310	24.762	25.524	0.000	34.881	34.812	32.917	33.207	32.598	34.340	33.598	33.398
Winter Potato (2)	25.476	28.119	26.833	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Squach	18.143	0.000	0.000	0.000	0.000	0.000	19.048	0.000	21.429	21.429	23.810	23.810	28.571	28.571	21.429
Winter Strawberry	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Tomato	30.810	31.452	44.929	58.381	58.262	59.405	60.810	55.929	54.431	52.431	53.179	37.476	40.002	35.664	41.114

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (3) The productivity of crop in Kafr-El Sheikh during (1985 -2015)

(Ton/Hectare)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Crop																
Summer field crops																
Cotton	2.122	2.302	2.227	2.186	1.980	1.931	2.205	2.542	2.666	2.025	2.246	2.021	2.407	1.706	2.167	2.460
Summer Ground nut	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Summer Maize	4.663	5.327	5.060	5.180	5.613	5.710	5.890	5.900	6.330	6.807	6.523	6.877	7.273	7.190	8.047	8.193
Summer Onion	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Summer Rice	5.652	5.212	5.481	5.743	6.005	6.733	6.883	7.386	7.719	8.257	8.355	8.071	8.098	8.381	8.531	9.250
Summer Soybean	2.129	2.312	2.633	1.898	1.998	2.326	2.571	2.710	2.931	2.857	2.948	3.002	3.740	3.402	3.024	3.038
Sugarcane	70.25 5	70.08 1	0.000	71.40 5	75.38 6	78.73 3	79.72 9	79.72 6	81.34 8	81.11 9	81.54 0	76.04 5	82.30 5	84.29 5	110.94 8	111.96 9
Summer Sunflower	1.429	0.000	0.000	1.243	1.605	1.481	1.586	1.431	1.648	1.695	1.531	3.383	2.381	1.719	1.795	0.000
Summer vegetable crops																
Summer Cabbage	20.23 8	24.59 5	23.90 5	21.04 8	19.52 4	21.57 1	15.90 5	16.64 3	23.35 7	13.38 1	19.26 2	20.45 2	22.11 9	35.88 1	42.595	27.310
Summer Cucumber	14.69 0	11.78 6	14.31 0	20.04 8	23.23 8	23.73 8	20.78 6	27.92 9	15.45 2	15.85 7	19.11 9	16.57 1	18.00 0	14.95 2	17.071	23.095
Summer Egg plant	19.85 7	23.16 7	24.59 5	25.52 4	27.95 2	22.81 0	17.45 2	23.09 5	24.26 2	25.57 1	27.00 0	26.61 9	27.14 3	19.71 4	22.690	23.071
Summer Kidney bean (green)	0.000	10.31 0	0.000	10.61 9	8.929	11.14 3	12.35 7	9.048	10.45 2	0.000	0.000	9.786	0.000	1.952	9.524	0.000
Summer Okra	14.28 6	13.21 4	13.09 5	14.28 6	11.59 5	9.667	11.97 6	16.26 2	16.66 7	14.28 6	13.83 3	16.66 7	19.71 4	16.59 5	18.643	14.524
Summer Pepper	10.78 6	11.92 9	9.714	11.38 1	8.429	13.21 4	8.905	12.38 1	10.26 2	13.16 7	11.33 3	15.71 4	17.07 1	12.88 1	12.738	13.381
Summer Potato	20.95 2	22.38 1	26.26 2	23.73 8	25.45 2	25.57 1	27.16 7	28.28 6	26.50 0	33.33 3	21.47 6	22.02 4	25.90 5	26.02 4	28.095	31.143
Summer Squach	16.81 0	17.07 1	19.90 5	15.97 6	18.64 3	21.33 3	14.66 7	15.76 2	26.85 7	20.64 3	15.28 6	16.07 1	20.57 1	14.69 0	16.214	18.643
Summer Tomato	22.50 0	23.16 7	28.90 5	20.76 2	22.54 8	22.11 9	20.11 9	30.97 6	23.23 8	27.09 5	41.57 1	38.85 7	35.28 6	24.23 8	40.595	38.571
Summer Water melon	21.42 9	18.14 3	21.64 3	19.47 6	16.97 6	14.81 0	19.14 3	22.57 1	22.11 9	22.83 3	28.76 2	31.90 5	28.71 4	28.09 5	29.762	29.762

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (3) The productivity of crop in Kafr-El Sheikh during (1985 -2015)

(Ton/Hectare)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
crop															
Summer field crops															
Cotton	2.700	2.719	2.737	2.989	2.516	2.569	2.546	2.152	2.257	1.972	2.647	1.980	1.830	1.849	1.646
Summer Ground nut	1.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.943	0.000	0.000	0.000	0.000	0.000
Summer Maize	7.870	7.753	8.527	8.627	9.050	9.083	8.677	8.237	8.267	9.000	8.917	8.707	8.707	8.830	8.667
Summer Onion	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Summer Rice	9.281	9.469	10.067	10.290	10.605	10.502	10.005	9.762	9.379	9.226	9.393	9.467	9.357	9.386	9.138
Summer Soybean	2.531	2.931	3.086	2.781	2.117	0.000	3.150	2.040	2.029	2.133	2.117	0.000	2.190	2.381	2.169
Sugarcane	106.93 1	108.90 0	110.16 4	110.16 0	109.52 4	101.95 0	101.74 5	100.96 0	96.01 2	97.06 2	98.11 4	98.09 5	96.81 7	99.23 8	95.63 1
Summer Sunflower	3.017	0.000	0.000	2.517	2.976	0.000	0.000	0.000	0.000	2.221	2.262	0.000	0.000	0.000	1.852
Summer vegetable crops															
Summer Cabbage	33.262	33.333	39.500	30.952	32.214	30.238	28.571	27.190	28.57 1	28.57 1	29.07 1	30.17 6	28.89 3	29.24 8	29.47 1
Summer Cucumber	20.381	21.762	20.286	21.429	27.738	28.571	25.262	22.548	21.42 9	24.11 7	21.42 9	21.36 0	21.39 5	21.71 7	20.91 9
Summer Egg plant	22.333	31.643	33.619	35.643	39.667	40.143	39.548	41.762	36.62 6	40.45 0	37.02 4	36.52 9	37.99 5	38.33 1	36.03 8
Summer Kidney bean (green)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Summer Okra	14.024	19.048	14.286	15.524	14.500	15.476	16.667	17.952	14.28 6	16.66 7	16.66 7	19.04 8	19.04 8	21.42 9	19.34 5
Summer Pepper	15.690	15.857	15.452	16.619	18.643	19.595	19.667	19.476	18.82 1	19.69 0	18.15 5	19.23 3	19.89 8	17.91 7	18.81 0
Summer Potato	31.881	30.048	32.452	39.095	42.714	43.214	41.167	42.452	40.09 0	42.37 6	43.70 5	38.41 4	39.94 3	40.17 4	37.38 8
Summer Squach	16.929	24.881	25.571	24.548	18.571	19.405	20.405	19.595	19.04 8	23.81 0	19.04 8	19.04 8	21.86 2	19.67 9	20.85 0
Summer Tomato	5.310	51.905	55.548	61.262	66.333	67.929	67.500	66.143	58.72 6	51.67 9	42.38 3	40.98 8	40.76 0	46.31 2	41.76 0
Summer Water melon	29.762	35.690	28.357	30.714	38.095	35.714	38.429	37.643	0.000	0.000	35.71 4	40.47 6	38.09 5	36.70 0	40.47 6

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (3) The productivity of crop in Kafr-El Sheikh during (1985 -2015)

	(Ton/Hectare)															
Crop	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Nili crops																
Nili Maize	2.587	2.853	3.177	2.333	3.073	4.010	3.970	4.330	4.383	4.003	4.493	5.090	4.840	5.047	4.973	4.923
Nili Tomato	15.524	15.190	18.619	19.643	12.048	10.571	8.595	27.690	22.571	28.143	19.857	19.333	19.476	14.286	17.857	25.333
Nili Sunflower	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical and aromatic crops																
Anis	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.588	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Caraway	0.000	0.000	0.000	0.793	0.000	0.000	0.000	1.190	0.000	0.000	1.962	2.014	0.000	0.000	0.000	0.000
Coriander	0.000	0.000	0.000	0.000	1.190	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cumin	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.793	0.000	0.000	0.000	1.190
Jasmine	0.000	0.000	0.000	8.467	7.143	7.143	7.143	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Marjoram	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Spearmint	0.000	0.000	0.000	19.048	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.524	0.000	19.048
Orchard trees																
Apple	11.757	10.667	8.186	7.993	7.383	14.921	14.140	19.721	21.119	20.810	21.167	18.238	22.048	21.619	22.929	22.833
Banana	13.505	25.424	30.581	35.829	1.762	29.452	31.364	28.167	49.024	41.167	52.000	55.238	55.310	55.452	59.214	59.262
Date	26.141	0.000	26.203	25.260	33.453	28.087	39.502	40.547	39.861	39.408	40.178	32.475	28.864	31.358	32.374	33.029
Grapes	5.105	3.974	2.410	8.621	9.729	15.424	16.962	21.745	22.167	15.952	21.952	23.810	23.810	23.000	24.119	25.310
Mango	4.048	2.267	2.267	1.100	1.764	4.305	4.762	28.167	6.881	8.452	9.286	8.595	8.548	8.738	8.738	8.738
Olive	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Orange	12.860	14.779	14.576	16.564	17.045	17.617	21.595	24.307	27.071	27.476	25.452	25.595	26.571	27.595	27.619	27.786
Peach	10.317	12.619	9.890	11.833	15.252	16.743	10.714	13.888	0.000	0.000	0.000	0.000	16.000	15.476	17.095	14.548

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Development of agricultural productivity for the most important agricultural crops

Con. Table No. (3) The productivity of crop in Kafr-El Sheikh during (1985 -2015)

(Ton/Hectare)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Crop															
Nili crops															
Nili Maize	5.230	5.330	5.423	5.797	5.323	5.447	5.450	5.743	5.680	5.040	5.153	5.007	5.667	5.460	0.000
Nili Tomato	23.857	38.190	42.476	46.381	49.810	37.095	36.595	49.333	42.395	32.210	35.167	0.000	0.000	33.333	0.000
Nili Sunflower	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical and aromatic crops															
Anis	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Caraway	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.700	2.381	0.000	0.000	0.000	1.905	1.905
Coriander	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.779	0.000	0.000	0.000	0.000	0.000
Cumin	0.000	1.298	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.190	0.000	0.000	0.000	0.000	0.000
Jasmine	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Marjoram	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Spearmint	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	38.095	0.000	0.000
Orchard trees															
Apple	22.976	23.690	23.571	20.714	22.286	22.500	23.381	23.190	23.810	19.048	18.452	20.636	19.048	19.245	26.190
Banana	61.429	62.452	64.571	63.405	63.905	58.976	57.952	56.881	57.488	56.798	55.617	54.221	50.317	50.338	45.026
Date	36.040	36.189	38.637	30.386	28.761	36.082	36.548	36.872	37.142	37.420	38.836	38.980	44.228	44.451	41.553
Grapes	27.524	30.571	32.262	26.357	23.000	22.333	24.048	29.881	32.521	25.555	27.236	24.564	25.193	24.505	28.143
Mango	9.357	9.214	9.333	8.429	8.333	7.190	7.571	8.357	8.571	8.360	8.257	11.571	13.152	12.779	11.905
Olive	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Orange	32.071	32.548	32.381	30.929	26.143	27.476	27.690	27.595	27.636	32.752	32.336	25.262	31.433	29.440	24.348
Peach	15.952	17.476	18.000	18.095	21.714	22.000	21.929	22.024	22.117	16.138	21.326	22.745	22.255	21.429	26.190

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

4- Sharkia Governorate:

4- 1- Winter field crops:

The study shows the evolution of productivity developed in Hectare crops during the period (1985 - 2015) in the winter season, the productivity per Hectare of Barley is about 3.057 Ton/Hectare in 1985, increased to about 4.280 Ton/Hectare in 2015, as well as decreased productivity of Chick peas is about 1.532 Ton/Hectare. in 1985 to about 1.504 Ton/Hectare. in 2008. as well as increased productivity of Faba bean (Green) is about 9.690 Ton/Hectare. in 1985 to about 13.755 Ton/Hectare. in 2015. as well as increased productivity of Faba bean (Dry) is about 2.602 Ton/Hectare. in 1985 to about 3.631 Ton/Hectare. in year 2015. as well as increased productivity of Flax is about 7.331 Ton/Hectare. in 1985 to about 11.262 Ton/Hectare. in year 2015. as well as increased productivity of Garlic is about 15.862 Ton/Hectare. in 1985 to about 19.102 Ton/Hectare. in year 2015. as well as the productivity of Lentil is about 2.282 Ton/Hectare. In year 1985 decreased to about 2.171 Ton/Hectare. In year 2015. as well as the productivity of Lupine is about 1.525 Ton/Hectare. In 1985 increased to about 1.582 Ton/Hectare. In year 2015. as well as the productivity of winter Onion is about 15.526 Ton/Hectare. In year 1985 increased to about 33.060 Ton/Hectare. In year 2015. as well as the productivity of Sugar Beet is about 47.619 Ton/Hectare. In year 1985 increased to about 50.219 ton /fed. In year 2015. as well as the productivity of Wheat is about 3.868 Ton/Hectare. In year 1985 increased to about 7.221 Ton/Hectare. In year 2015.

4-2 - Winter vegetable crops :

The productivity of Winter cabbage is about 30.976 Ton/Hectare. In year 1985 increased to about 39.681 Ton/Hectare. In year 2015. As will as the productivity of Winter Cucumber is about 16.833 Ton/Hectare. In year 1986 decreased to about 16.331 Ton/Hectare. In year 2015. As will as the productivity of Winter Egg plant is about 23.548 Ton/Hectare. In year 1985 increased to about 25.117 Ton/Hectare. In year 2015. As will as the productivity of Winter Kidney bean (green) is about 9.524 Ton/Hectare. In year 1998, decreased to about 7.143 Ton/Hectare. In year 2014. As will as the productivity of Winter Pepper is about 13.214 Ton/Hectare. In year 1985 decreased to about 10.819 Ton/Hectare. In year 2015. As will as the productivity of Winter potato(1)

is about 27.976 Ton/Hectare. In year 2004, increased to about 31.152 Ton/Hectare. In year 2015. As will as the productivity of Winter potato(2) is about 18.286 Ton/Hectare. In year 1991, increased to about 34.833 Ton/Hectare. In year 2003. As will as the productivity of Winter Squash is about 16.143 Ton/Hectare. In year 1985 increased to about 23.969 Ton/Hectare. In year 2015. As will as the productivity of Winter Strawberry is about 11.929 Ton/Hectare. In year 1985 increased to about 42.486 Ton/Hectare. In year 2015. As will as the productivity of Winter Tomato is about 13.357 Ton/Hectare. In year 1985 increased to about 42.486 Ton/Hectare. In year 2015.

4-3 – Summer field crops:

The productivity of Cotton is about 2.726 Ton/Hectare. In year 1985 decreased to about 1.312 Ton/Hectare. In year 2015. As will as the productivity of summer Ground nut is about 1.964 Ton/Hectare. In year 1985 increased to about 3.277 Ton/Hectare. In year 2015. As will as the productivity of summer Maize is about 4.833 Ton/Hectare. In year 1985 increased to about 8.007 Ton/Hectare. In year 2015. As will as the productivity of summer Onion is about 14.786 Ton/Hectare. In year 1985 increased to about 16.667 Ton/Hectare. In year 2014. As will as the productivity of summer Rice is about 6.026 Ton/Hectare. In year 1985 increased to about 9.464 Ton/Hectare. In year 2015. As will as the productivity of summer Soybean is about 2.648 Ton/Hectare. In year 1985 increased to about 2.990 Ton/Hectare. In year 2015. As will as the productivity of Sugarcane is about 97.750 Ton/Hectare. In year 1985 decreased to about 67.550 Ton/Hectare. In year 2015. As will as the productivity of Summer Sunflower is about 6.667 Ton/Hectare. In year 1985 decreased to about 3.507 Ton/Hectare. In year 2015.

4-4 - Summer vegetable crops:

The productivity of Summer Cabbage is about 25.524 Ton/Hectare. In year 1985 increased to about 31.712 Ton/Hectare. In year 2015. As will as the productivity of Summer Cucumber is about 16.310 Ton/Hectare. In year 1985 increased to about 24.821 Ton/Hectare. In year 2015. As will as the productivity of Summer Egg plant is about 28.119 Ton/Hectare. In year 1985 decreased to about 24.971 Ton/Hectare. In year 2015. As will as the productivity of Summer Kidney bean (green) is about 10.714 Ton/Hectare.

In year 1985 decreased to about 6.493 Ton/Hectare. In year 2014. As will as the productivity of Summer Okra is about 12.833 Ton/Hectare. In year 1985 decreased to about 10.110 Ton/Hectare. In year 2015. As will as the productivity of Summer Pepper is about 19.190 Ton/Hectare. In year 1985 decreased to about 14.288 Ton/Hectare. In year 2015. As will as the productivity of Summer Potato is about 23.238 Ton/Hectare. In year 1985 increased to about 37.695 Ton/Hectare. In year 2015. As will as the productivity of Summer Squash is about 21.357 Ton/Hectare. In year 1985 decreased to about 16.817 Ton/Hectare. In year 2015. As will as the productivity of Summer Tomato is about 28.690 Ton/Hectare. In year 1985 increased to about 38.012 Ton/Hectare. In year 2015. As will as the productivity of Summer Water melon is about 27.667 Ton/Hectare. In year 1985 increased to about 28.162 Ton/Hectare. In year 2015.

4-5 - Nili crops:

The productivity of Nili Maize is about 3.570 Ton/Hectare. In year 1985 increased to about 7.267 Ton/Hectare. In year 2015. As will as the productivity of Nili Tomato is about 20.857 Ton/Hectare. In year 1985 increased to about 22.621 Ton/Hectare. In year 2015.

4-6 - Medical and aromatic crops:

The productivity of Anis is about 1.700 Ton/Hectare. In year 1988 and to about 1.905 Ton/Hectare. In year 2010. As will as the productivity of Caraway is about 2.381 Ton/Hectare. In year 1988 decreased to about 1.588 Ton/Hectare. In year 2003. As will as the productivity of Coriander is about 0.888 Ton/Hectare. In year 1988 increased to about 11.905 Ton/Hectare. In year 2012. As will as the productivity of Cumin is about 3.810 Ton/Hectare. In year 2000 decreased to about 0.893 Ton/Hectare. In year 2014. As will as the productivity of Jasmine is about 1.412 Ton/Hectare. In year 1988 increased to about 2.381 Ton/Hectare. In year 2003. As will as the productivity of Marjoram is about 14.286 Ton/Hectare. In year 1989 increased to about 47.619 Ton/Hectare. In year 2014. As will as the productivity of Spearmint is about 1.190 Ton/Hectare. In year 1988 increased to about 38.095 Ton/Hectare. In year 2012.

4-7 – Orchard trees:

The productivity of Apple is about 12.112 Ton/Hectare. In year 1985 decreased to about 10.771 Ton/Hectare. In year 2014. As will as the productivity of Banana is about 8.731 Ton/Hectare. In year 1985 increased to about 45.748 Ton/Hectare. In year 2015. As will as the productivity of Date is about 41.742 Ton/Hectare. In year 1985 increased to about 55.545 Ton/Hectare In year 2015. As will as the productivity of Grapes is about 4.795 Ton/Hectare. In year 1985 increased to about 19.936 Ton/Hectare. In year 2015. As will as the productivity of Mango is about 11.979 Ton/Hectare. In year 1985 decreased to about 11.712 Ton/Hectare. In year 2015. As will as the productivity of Olive is about 1.083 Ton/Hectare. In year 1985 increased to about 10.981 Ton/Hectare. In year 2014. As will as the productivity of Orange is about 11.705 Ton/Hectare. In year 1985 increased to about 21.288 Ton/Hectare. In year 2015. As will as the productivity of Peach is about 5.507 Ton/Hectare. In year 1985 increased to about 13.164 Ton/Hectare. In year 2015.

Development of agricultural productivity for the most important agricultural crops

Table No. (4) The productivity of crop in Sharkia during (1985 -2015)

(Ton/Hectare)

Crop	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
winter field crops																
Barley	3.057	3.060	3.043	3.514	3.709	3.743	3.754	4.697	4.754	4.511	4.434	4.720	4.797	5.163	4.926	4.363
Chick peas	1.532	1.539	1.521	1.468	1.429	1.479	1.479	1.600	1.429	1.539	1.786	1.786	1.786	1.786	1.536	1.611
Faba bean (Green)	9.690	10.38 1	10.78 3	9.781	10.80 0	10.64 3	9.464	9.524	10.32 1	10.01 0	13.03 8	11.72 6	5.921	8.171	7.190	10.91 4
Faba bean (Dry)	2.602	2.207	2.439	2.270	2.963	2.587	2.063	2.480	2.949	2.229	3.355	3.558	3.395	3.344	2.491	2.823
Flax	7.331	7.333	7.436	7.440	7.607	7.717	7.710	8.402	9.019	15.59 5	8.719	10.02 9	9.924	10.18 3	6.114	8.040
Garlic	15.86 2	15.30 7	15.32 6	15.37 6	15.70 0	15.75 7	16.12 4	16.34 3	16.56 7	16.42 4	17.56 7	22.07 4	22.89 5	23.71 9	21.63 3	22.31 9
Lentil	2.282	1.851	2.175	2.297	2.141	2.133	1.977	2.198	2.076	2.000	2.133	2.038	1.821	1.851	1.973	1.992
Lupine	1.525	1.493	1.532	1.536	1.621	1.639	1.607	1.575	1.543	1.561	1.636	1.736	0.000	1.789	1.561	2.325
Winter Onion	15.52 6	15.75 0	15.99 5	16.30 5	16.61 9	17.30 5	19.66 9	20.45 2	22.75 0	22.26 4	18.12 1	23.20 2	24.44 5	24.55 2	30.39 3	23.14 3
Sugar beat	47.61 9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	45.57 9	40.02 1	40.87 1	52.27 4
Wheat	3.868	3.879	4.011	4.543	5.100	5.468	4.957	5.836	5.939	5.329	5.814	6.107	5.371	6.071	6.450	6.536
winter vegetable crops																
Winter Cabbage	30.97 6	30.50 0	35.04 8	35.19 0	34.92 9	35.78 6	34.16 7	34.66 7	33.40 5	34.16 7	29.59 5	27.11 9	23.11 9	23.47 6	23.95 2	30.00 0
Winter Cucumber	0.000	16.83 3	17.07 1	11.45 2	11.90 5	11.90 5	14.28 6	16.66 7	11.90 5	0.000	4.762	7.143	7.143	7.143	4.929	4.524
Winter Egg plant	23.54 8	17.54 8	17.78 6	18.21 4	18.35 7	18.47 6	16.97 6	6.905	2.905	14.14 3	14.40 5	16.90 5	12.31 0	11.64 3	13.69 0	25.52 4
Winter Kidney bean (green)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.524	9.667	0.000
Winter Pepper	13.21 4	12.90 5	13.14 3	13.11 9	11.92 9	11.90 5	11.97 6	5.524	6.000	7.929	11.88 1	11.66 7	12.14 3	11.78 6	11.95 2	16.31 0
Winter Potato(1)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Potato (2)	0.000	0.000	0.000	0.000	0.000	0.000	18.28 6	21.33 3	17.04 8	22.97 6	22.42 9	26.07 1	28.26 2	10.88 1	29.76 2	30.59 5
Winter Squach	16.14 3	18.64 3	18.81 0	17.11 9	16.97 6	18.04 8	17.88 1	11.57 1	5.810	16.02 4	16.11 9	14.52 4	17.02 4	17.57 1	17.26 2	15.64 3
Winter Strawberry	11.92 9	11.90 5	11.88 1	16.33 3	16.66 7	21.42 9	20.81 0	16.66 7	12.33 3	8.048	11.90 5	23.81 0	19.02 4	18.83 3	20.73 8	18.50 0
Winter Tomato	13.35 7	15.19 0	15.81 0	16.07 1	14.66 7	17.28 6	16.64 3	9.667	10.50 0	38.21 4	44.66 7	32.76 2	23.40 5	23.02 4	26.57 1	26.33 3

Con. Table No. (4) The productivity of crop in Sharkia during (1985 -2015)

(Ton/Hectare)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
crop															
winter field crops															
Barley	4.686	4.366	4.403	4.677	4.563	4.960	4.674	4.283	4.314	3.763	4.517	4.100	4.223	4.114	4.280
Chick peas	1.607	1.750	0.000	1.704	1.786	1.850	1.607	1.504	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Faba bean (Green)	10.486	17.690	0.000	10.657	10.890	11.369	11.238	11.145	0.000	0.000	8.657	0.000	9.260	0.000	13.755
Faba bean (Dry)	3.358	3.377	3.318	3.432	3.690	3.583	3.768	3.845	3.750	3.115	3.177	3.576	3.816	3.860	3.631
Flax	7.960	9.000	9.119	9.214	9.979	11.138	11.550	11.431	11.762	10.474	11.957	15.121	9.388	10.376	11.262
Garlic	23.807	21.479	22.021	23.960	28.343	24.083	25.293	26.995	24.726	19.655	18.683	18.488	19.840	21.238	19.102
Lentil	1.958	2.549	2.499	2.617	2.613	2.564	2.350	2.370	2.290	1.535	1.916	2.434	2.404	2.301	2.171
Lupine	1.779	1.311	1.743	1.836	2.043	2.089	2.096	2.182	2.493	2.307	2.254	2.250	1.396	1.361	1.582
Winter Onion	25.919	27.298	25.671	24.902	23.169	23.648	25.000	24.495	30.683	28.395	28.440	25.714	30.602	32.698	33.060
Sugar beat	49.321	49.855	46.169	44.762	46.445	49.714	49.624	47.545	46.786	56.983	50.693	50.283	50.205	52.769	50.219
Wheat	6.496	6.486	6.843	6.907	6.725	6.761	6.457	6.079	6.021	5.582	6.089	6.532	6.486	6.168	7.221
winter vegetable crops															
Winter Cabbage	27.976	29.119	24.214	25.333	25.333	25.571	35.143	38.357	36.264	36.405	37.398	38.838	42.552	45.481	39.681
Winter Cucumber	3.810	6.762	5.738	9.024	8.929	10.190	16.595	20.310	21.376	21.429	21.162	33.610	17.531	28.929	16.331
Winter Egg plant	18.048	18.857	18.952	18.476	18.786	18.833	19.190	27.262	36.736	31.650	31.933	27.852	31.136	31.679	25.117
Winter Kidney bean (green)	0.000	0.000	0.000	9.524	9.524	0.000	9.524	0.000	0.000	10.848	9.524	9.524	8.867	7.143	0.000
Winter Pepper	17.119	18.571	18.524	18.786	18.881	18.714	18.714	18.167	18.421	18.367	19.367	15.190	18.505	20.579	10.819
Winter Potato(1)	0.000	0.000	0.000	27.976	26.190	30.714	31.762	30.571	32.283	31.910	30.674	30.402	26.071	28.624	31.152
Winter Potato (2)	29.024	28.952	34.833	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Winter Squach	17.595	18.667	18.381	18.619	18.833	19.786	16.810	17.738	19.340	27.371	21.690	26.445	22.267	26.169	23.969
Winter Strawberry	19.000	21.262	20.976	21.190	21.571	21.786	26.738	31.619	32.474	36.302	30.683	28.848	30.564	35.036	34.193
Winter Tomato	30.333	30.524	30.595	30.976	31.476	32.286	29.786	37.857	43.000	47.281	44.383	44.024	42.317	43.614	42.486

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (4) The productivity of crop in Sharkia during (1985 -2015)

(Ton/Hectare)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Crop																
Summer field crops																
Cotton	2.726	2.490	2.404	1.999	1.751	1.684	1.890	2.516	2.977	1.830	1.807	2.374	2.426	1.717	1.789	2.265
Summer Ground nut	1.964	1.834	186.78 6	1.896	1.979	1.966	2.095	2.171	2.239	3.120	3.473	3.073	2.829	2.830	2.721	2.812
Summer Maize	4.833	4.297	4.637	4.787	5.047	5.500	5.673	5.917	6.003	6.397	5.993	6.760	7.383	7.567	8.087	8.327
Summer Onion	14.78 6	14.20 2	14.438	14.455	16.290	17.688	15.226	15.567	15.790	15.031	16.47 9	16.62 1	16.03 1	16.70 2	17.21 2	17.23 8
Summer Rice	6.026	6.148	6.043	5.771	6.352	7.198	6.993	7.417	7.564	7.579	7.824	8.286	8.452	8.810	9.002	9.107
Summer Soybean	2.648	2.738	2.443	2.729	2.545	2.738	2.943	2.531	3.174	1.690	2.098	1.929	3.540	3.031	2.381	0.000
Sugarcane	97.75 0	99.22 4	0.000	100.86 2	100.67 1	107.85 5	107.24 3	107.39 5	106.36 4	101.41 7	90.39 3	93.73 8	93.73 1	91.39 3	92.67 4	92.67 4
Summer Sunflower	6.667	0.000	0.000	1.514	1.495	1.448	2.012	1.790	1.869	1.900	2.107	1.702	1.707	1.983	0.000	0.000
Summer vegetable crops																
Summer Cabbage	25.52 4	33.09 5	33.333	34.524	34.690	33.024	33.095	33.690	35.643	36.738	35.66 7	34.90 5	22.00 0	19.11 9	23.02 4	20.02 4
Summer Cucumber	16.31 0	15.11 9	14.381	17.500	17.619	17.167	11.619	10.976	8.881	6.595	7.762	8.643	6.619	15.54 8	15.59 5	16.31 0
Summer Egg plant	28.11 9	26.14 3	30.571	30.714	32.119	31.524	32.762	32.571	20.119	24.548	26.47 6	20.28 6	35.69 0	31.45 2	30.66 7	27.97 6
Summer Kidney bean (green)	10.71 4	10.19 0	10.952	10.619	11.000	11.238	11.595	11.786	12.476	12.476	11.83 3	12.14 3	9.857	2.381	9.571	9.357
Summer Okra	12.83 3	13.16 7	14.595	15.214	15.952	16.000	15.524	12.714	14.119	15.286	11.66 7	11.92 9	15.88 1	16.02 4	16.16 7	17.78 6
Summer Pepper	19.19 0	19.57 1	20.167	19.524	19.786	19.619	17.571	17.976	18.571	11.548	11.69 0	12.90 5	15.33 3	15.50 0	18.57 1	20.54 8
Summer Potato	23.23 8	20.90 5	23.381	23.190	23.762	25.286	19.524	25.119	26.167	22.952	32.09 5	30.71 4	28.83 3	28.14 3	30.04 8	30.90 5
Summer Squach	21.35 7	21.38 1	22.000	23.286	19.238	20.643	14.524	13.024	14.119	13.524	13.38 1	14.38 1	17.23 8	21.02 4	18.76 2	18.54 8
Summer Tomato	28.69 0	23.64 3	23.738	23.762	23.571	23.905	25.357	35.976	21.452	33.381	38.14 3	26.92 9	36.42 9	32.31 0	34.28 6	33.35 7
Summer Water melon	27.66 7	26.78 6	30.286	30.357	30.500	30.738	31.905	37.024	37.500	25.714	32.19 0	26.85 7	27.52 4	23.71 4	27.33 3	28.02 4

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (4) The productivity of crop in Sharkia during (1985 -2015)

(Ton/Hectare)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Crop															
Summer field crops															
Cotton	2.805	2.572	3.000	2.126	213.000	3.000	2.595	2.306	2.239	2.149	3.086	1.875	2.389	1.789	1.312
Summer Ground nut	2.973	3.279	3.205	3.518	3.218	3.355	3.327	3.350	3.564	3.368	3.334	3.289	3.191	3.379	3.277
Summer Maize	8.300	8.283	7.980	8.573	8.847	8.900	8.220	7.877	7.800	7.880	8.073	8.173	8.417	8.427	8.007
Summer Onion	17.255	17.290	17.331	17.386	23.657	26.190	28.600	29.748	0.000	24.048	23.810	0.000	0.000	16.667	0.000
Summer Rice	9.298	9.395	9.507	9.552	9.864	9.688	9.395	9.062	8.914	8.588	8.595	8.076	9.548	9.124	9.464
Summer Soybean	0.000	0.000	2.381	2.976	2.988	2.381	0.000	2.040	2.579	2.483	3.017	3.174	1.786	2.333	2.990
Sugarcane	93.548	94.086	95.907	98.476	97.619	94.300	86.857	90.136	71.260	95.352	84.650	73.333	82.619	71.088	67.550
Summer Sunflower	0.000	2.381	2.381	0.000	0.000	0.000	0.000	0.000	0.000	1.838	1.905	2.752	3.024	2.938	3.507
Summer vegetable crops															
Summer Cabbage	20.643	18.643	18.929	17.190	21.333	21.929	22.786	23.095	23.919	25.462	30.033	29.936	31.436	35.455	31.712
Summer Cucumber	17.524	18.119	19.000	16.667	18.429	18.595	17.786	16.905	17.802	18.486	16.888	20.045	18.362	15.769	24.821
Summer Egg plant	30.643	30.190	26.905	26.238	24.881	25.095	22.667	24.476	25.345	25.236	26.283	26.931	27.405	24.893	24.971
Summer Kidney bean (green)	9.310	9.429	9.238	8.333	9.167	9.214	7.048	8.143	10.064	10.312	9.290	6.033	8.245	6.493	0.000
Summer Okra	19.071	20.381	20.571	20.500	20.119	19.643	19.429	14.905	12.871	14.210	10.952	12.183	13.933	10.112	10.110
Summer Pepper	19.286	2095.238	20.262	23.952	21.333	21.333	20.000	20.929	20.510	18.610	16.236	15.971	16.224	14.807	14.288
Summer Potato	28.952	31.190	30.190	29.595	34.595	34.262	33.214	33.476	33.036	32.750	33.612	36.298	33.360	41.531	37.695
Summer Squach	20.310	22.571	23.214	22.595	21.762	22.310	21.810	23.048	23.298	20.326	17.964	22.119	20.845	18.267	16.817
Summer Tomato	11.905	21.524	22.714	25.405	26.262	27.024	24.857	26.286	32.655	35.836	37.950	39.933	40.481	42.164	38.012
Summer Water melon	32.167	32.690	32.214	28.810	30.810	35.524	34.000	32.976	34.974	32.626	30.602	33.079	26.752	25.648	28.162

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Development of agricultural productivity for the most important agricultural crops

Con. Table No. (4) The productivity of crop in Sharkia during (1985 -2015)

	(Ton/Hectare)															
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Crop																
Nili crops																
Nili Maize	3.570	3.563	3.553	3.560	3.163	3.130	3.337	3.973	3.830	4.340	4.603	1.493	5.417	5.643	6.250	6.270
Nili Tomato	20.857	19.524	20.190	20.000	14.690	12.190	11.500	13.595	14.452	19.405	16.357	14.095	13.381	12.952	20.452	22.524
Nili Sunflower	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical and aromatic crops																
Anis	0.000	0.000	0.000	1.700	0.793	0.000	2.381	1.190	1.831	1.548	1.190	0.000	0.000	0.000	0.000	0.000
Caraway	0.000	0.000	0.000	2.381	0.000	0.000	0.000	0.000	0.000	0.000	3.031	0.000	0.000	0.000	2.976	3.174
Coriander	0.000	0.000	0.000	0.888	1.190	0.000	1.190	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cumin	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.810
Jasmine	0.000	0.000	0.000	1.412	1.395	1.395	1.429	1.429	1.190	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Marjoram	0.000	0.000	0.000	0.000	14.286	0.000	0.000	1.190	3.895	1.429	1.190	0.793	0.000	6.667	7.143	7.143
Spearmint	0.000	0.000	0.000	1.190	1.429	0.000	1.298	0.000	1.190	1.190	1.588	1.190	1.190	1.588	1.588	4.762
Orchard trees																
Apple	12.112	0.214	0.126	0.433	0.000	1.945	1.271	5.926	9.929	10.595	11.024	11.214	11.500	12.381	11.952	12.048
Banana	8.731	5.443	4.474	12.698	9.700	13.876	19.643	19.445	32.667	22.690	31.905	33.762	35.190	36.976	38.238	47.690
Date	41.742	0.000	45.126	17.201	51.369	51.249	52.535	53.998	54.646	55.423	56.955	57.091	47.976	57.250	59.231	59.500
Grapes	4.795	5.952	6.710	2.829	5.274	16.281	14.645	16.669	19.262	17.429	19.619	19.857	16.952	17.667	15.905	15.714
Mango	11.979	8.524	9.283	6.048	9.700	9.555	12.343	19.445	16.690	11.881	14.190	13.452	14.333	11.929	14.905	14.286
Olive	1.083	0.407	0.419	1.867	1.667	3.545	0.819	1.560	5.452	6.738	8.333	8.405	8.881	9.119	9.881	10.119
Orange	11.705	10.398	11.112	9.524	11.100	12.457	13.105	15.329	10.548	11.333	13.833	15.000	15.786	14.619	15.667	15.095
Peach	5.507	1.288	1.662	1.524	1.045	5.071	5.400	6.160	8.024	9.167	12.310	12.857	13.095	12.905	12.929	13.048

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.

Con. Table No. (4) The productivity of crop in Sharkia during (1985 -2015)

	(Ton/Hectare)														
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Crop															
Nili crops															
Nili Maize	6.370	6.753	6.797	6.977	7.143	7.500	7.873	7.533	7.323	7.560	7.517	7.363	7.590	7.347	7.267
Nili Tomato	24.357	21.238	21.381	14.881	15.119	15.214	13.857	22.833	26.790	25.514	21.429	23.138	21.429	22.619	22.621
Nili Sunflower	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Medical and aromatic crops															
Anis	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.905	0.000	0.000	0.000	0.000	0.000
Caraway	0.000	1.190	1.588	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Coriander	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.905	0.000	0.000	0.000	9.524	0.000	0.000	0.000
Cumin	0.000	1.190	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.893	0.000
Jasmine	0.952	2.381	2.381	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Marjoram	9.524	71.429	0.000	0.000	0.000	59.524	71.429	0.000	47.619	35.714	47.619	0.000	47.619	47.619	0.000
Spearmint	0.000	0.000	0.000	0.000	0.000	23.810	0.000	0.000	0.000	0.000	0.000	38.095	0.000	0.000	0.000
Orchard trees															
Apple	12.333	12.452	12.595	12.762	11.286	12.238	12.905	12.952	12.948	12.500	12.193	0.000	11.679	10.771	0.000
Banana	48.714	48.976	38.500	34.214	32.619	34.357	36.310	32.119	36.874	38.800	39.250	37.614	42.419	43.502	45.748
Date	59.811	61.129	61.621	61.602	61.712	64.218	61.556	62.350	62.463	59.210	57.613	57.668	55.776	54.809	55.545
Grapes	16.500	18.024	18.381	18.452	19.262	18.690	18.762	18.833	18.883	17.833	17.607	18.007	18.731	17.674	19.936
Mango	14.381	14.690	16.143	13.714	10.143	11.429	12.167	10.024	11.600	10.129	9.205	9.610	10.905	9.614	11.712
Olive	10.524	12.048	12.333	11.595	9.667	11.500	11.286	10.786	10.762	8.571	11.283	9.524	10.221	10.981	0.000
Orange	16.548	17.310	17.429	17.071	18.405	19.714	19.690	19.119	18.360	19.583	19.340	19.724	19.162	19.917	21.288
Peach	13.619	14.286	14.476	14.524	13.857	14.143	14.310	14.952	14.988	15.340	14.521	13.762	15.560	13.714	13.164

Source: ministry of Agriculture and Land Reclamation – Economic Affairs sector – Bulletin of Important indicators of the Agricultural Statistics – different number.