

/

(1999-1970)

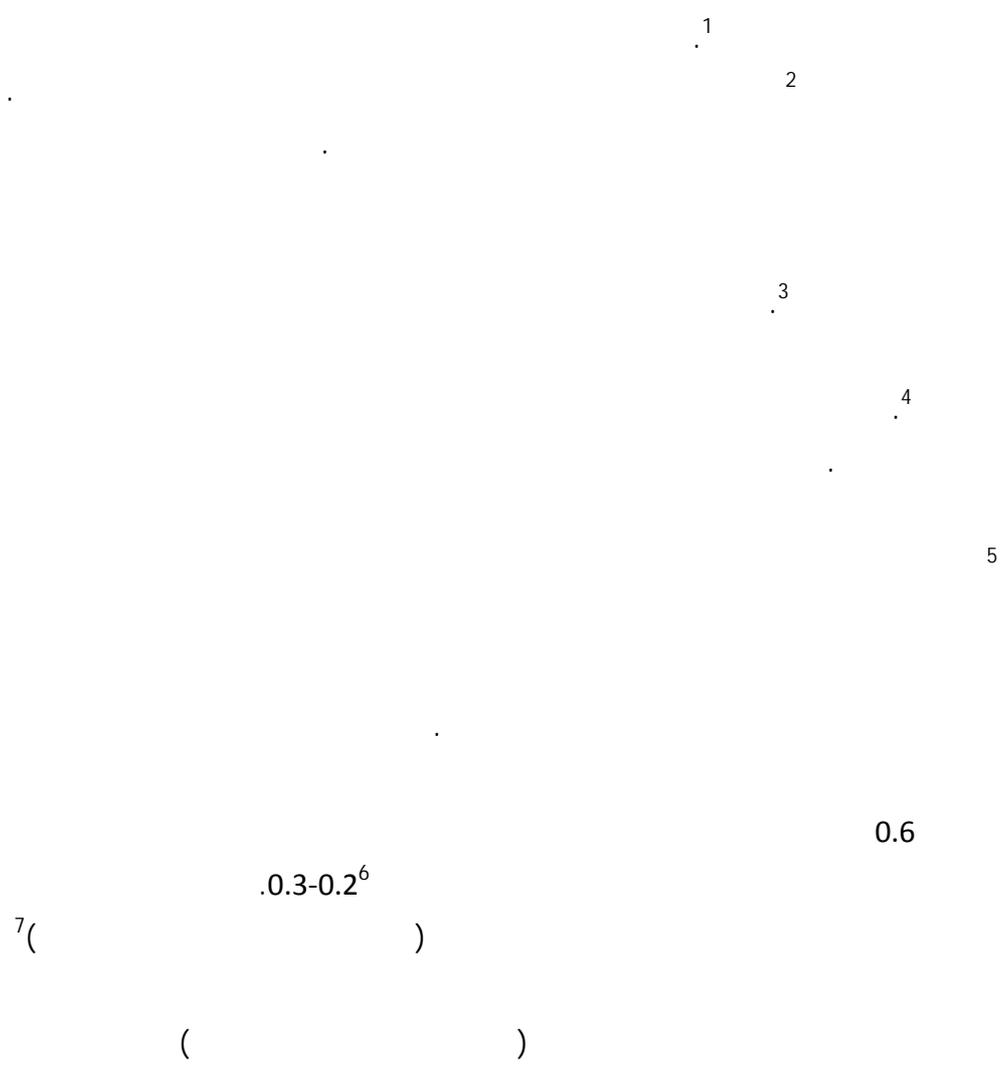
The experience of structural reforms in the Iraqi agricultural economy

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Abstract

The agricultural sector includes variance degree of land, water human and capital, but its contribution to economic development is not commensurate with those resources. Research is expected that the existence of structural imbalances within the structure of this sector during the duration of(1970-1999), the economic and political situations unstable and implications relational with other sectors contributed in the activation of those imbalances and the agricultural policies failed in mitigation. Therefore, research targeted to assess the impact of the most important of those policies for capital in growth of the agricultural sector and its role in economic development. Pointing to capital flight constructed inside the agricultural sector to outside.

The private sector money invested in projects of rapid returns, also wasted a lot of private capital's agricultural bases outside the sector despite calculated within investments in the agricultural sector a negative role confirms the weakness of the policy of privatization of agricultural projects in the economic reforms.



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	38985	-		
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(1996 - 1970) () (%) :3

%		%		%		%		%		
0.2	0.005	20	0.61	4	0.12	7	0.22	68	2.06	1970
0.1	0.009	6	0.46	15	1.11	40	2.98	39	2.93	1975
8.5	1.067	7	7.24	30	29.21	38	38.05	23	23.06	1980
	4.58	11	6.16	29	15.62	21	11.29	30	16.17	1985
2.5		11		19.5		26.5		40	(1985-1970)	
12	13.8	6	6.87	28	30.8	2.5	2.79	51.5	56.46	1990
15	150.4	3	28	8	86.14	3	31.01	71	728.94	1991,1992
13.5		4.5		13		3		61	(1996-1990)	

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1991

1994 1993

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(% 55)

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.(1996 -1970) () :4

%		%		%		
5	357	54	1.363	41	1.673	1970
27	26.784	47	4.082	26	3.058	1975
7		40	46.112	53	25.727	1980
25		22	21.017	53	28.975	1985
72		8	24.204	20	58.923	1990
-		-	-	100	778.117	1996-1991

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1976

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(1990 - 1970) () : 5

1990	1985	1980	1975	1970	
8.25	24.615	39.323	6.48	2.066	
% 7.5	46	% 40	81	70	%
102.233	29.195	59.392	1.503	0.943	
% 92.5	% 54	% 60	% 19	% 30	%

.1993 38 - - :

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1982-1980

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	%		%		
218.485	9.1	21.8	90.9	196.6	1975
327.928	23.6	77.4	76.4	250.5	1976
412.658	16.7	68.9	83.3	343.7	1977
264.680	11.6	30.7	88.4	233.9	1978
630.756	20	126.15	80	504.6	1979
827.136	27.96	231.6	72.04	595.5	1980
948.896	17.3	164.15	82.7	784.7	1981
972.550	10.6	103.1	89.4	863.4	1982
754.105	8.5	64.09	91.5	690	1983
694.885	7.8	54.2	92.2	640.86	1984
611.416	13.6	83.15	86.4	528.26	1985
454.831	13.9	63.22	86.1	391.6	1986
362.544	10	36.25	90	326.28	1987
437.400	8.2	35.87	91.8	401.56	1988
435.550	7.96	33.130	92.04	402.420	1989
253.996	13.81	18.247	86.19	235.749	1990
51.769	17.4	8.984	82.64	42.785	1991
125.668	3.5	4.354	96.5	121.314	1992
126.454	1	1.298	99	125.156	1993
97.134	1	0.733	99	96.401	1994
51.836	0.2	0.77	99.8	51.759	1995
19.425	0.4	0.73	99.6	19.352	1996
36.670	0.2	0.74	99.8	36.596	1997
9.182	22	1.107	88	8.075	1998
16.102	0.4	0.64	99.6	16.038	1999

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1981

1980-1978

1986-1977

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8.26	0.2	12.29	73.2	5.7	0.35	1975
12.7	0.46	16.10	56.67	10.68	3.39	1976
6.28	0.7	10.75	54.47	23.38	4.41	1977
6.47	0.56	16.90	57.83	17.28	0.96	1978
9.44	0.6	19.20	56.37	8.19	6.20	1979
7.31	0.62	22.57	56.5	7.68	5.32	1980
5.32	0.33	13.34	70.66	6.50	3.84	1981
3.83	0.18	7.67	76.03	7.06	5.23	1982
2.97	0.35	10.97	78.09	4.96	2.65	1983
1.73	0.17	7.91	86.09	1.7	2.39	1984
0.88	0.59	16.08	74.64	6.23	1.58	1985
2.3	0.24	11.04	72.94	10.79	2.69	1986
1.84	0.79	7.92	81.73	5.86	1.85	1987
1.75	0.74	4.91	88.67	2.79	1.14	1988
0.56	0.48	5.02	82.5	10.13	1.18	1989
0.3	0.02	7.9	77.7	10.3	1.8	1990
0.28	0.00	1.7	83.6	10.8	1.6	1991
0.89	0.00	10.5	82.6	5.7	0.22	1992
5.2	0.00	27.9	72.2	2.8	0.00	1993
1.8	0.00	9	86	3.4	0.00	1994
2.5	0.00	6.6	85.5	3.2	2.07	1995
1.75	0.00	9.26	83.8	3.15	2.09	1996
0.00	0.00	0.54	97.7	2.1	0.00	1997
3.75	1.37	2.3	87.8	3.9	0.00	1998
2.9	1.83	3.6	83.9	7.7	0.00	1999

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8 (1986 - 1981)

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43.54	51.2	2.61	1975
21.24	37.62	40.67	1976
28.35	23.25	48.4	1977
7.56	43.26	46.49	1978
19.29	17.89	62.82	1979
43.42	22.41	34.17	1980
3.79	81.47	15.34	1981
24.56	49.67	25.78	1982
5.94	52.18	41.89	1983
1.51	51.76	46.73	1984
23.89	48.11	28	1985
5.71	62.68	32.21	1986
0.08	39.5	60.42	1987
0.02	31.97	63.46	1988
0.00	29.68	67.60	1989
0.00	34	68.60	1990
0.00	11.2	88.90	1991
0.00	9.4	90.40	1992
78.8	0.00	18.60	1993
0.00	0.00	98	1994
3	0.00	97	1995
45	0.00	55	1996
80	0.3	19.7	1997
27	17.6	74	1998
50	19	31.25	1999

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() (1988) :9

119.127	—	—	41.36	74.595	3.173	—	1970
148.033	—	—	44.245	94.723	9.065	—	1971
156.405	—	—	58.435	88.981	8.979	—	1972
167.440	1.278	0.272	34.462	131.231	0.035	0.162	1973
175.175	2.762	0.210	24.696	142.795	3.356	1.355	1974
218.485	29.663	0.301	31.575	144.513	11.221	1.212	1975
327.928	35.774	0.001	64.806	154.213	28.991	43.22	1976
412.658	31.260	1.976	50.718	194.639	83.554	50.51	1977
264.671	23.186	3.050	88.483	246.358	73.628	29.97	1978
630.750	55.451	2.496	115.393	297.053	43.153	117.2	1979
827.136	113.46	2.993	183.375	359.967	48.934	118.3	1980
948.896	35.547	2.095	227.282	573.964	52.826	57.18	1981
972.541	44.052	1.263	111.094	679.054	63.019	74.06	1982
754.105	18.137	1.911	102.681	550.234	34.982	46.15	1983
964.885	8.832	0.885	73.708	559.087	11.062	41.31	1984
611.416	18.383	2.514	118.411	405.771	33.873	32.45	1985
454.831	10.147	1.282	66.021	323.321	24.993	29.05	1986
362.544	5.529	2.062	37.399	269.938	19.368	28.24	1987
437.400	5.200	2.373	29.164	361.393	11.358	2.791	1988
435.550	6.598	2.691	30.912	360.017	8.173	27.15\	1989
253.996	0.709	0.022	28.198	183.191	24.287	16.86	1990
51.769	0.121	—	2.538	35.8	4.619	8.687	1991
125.668	1.087	—	13.200	100.216	6.960	4.205	1992
136.454	7.304	—	34.936	90.324	3.648	0.242	1993
97.134	1.774	—	8.770	82.980	3.333	0.277	1994
51.836	1.343	—	3.450	44.253	1.662	1.128	1995
19.425	0.366	—	1.793	16.228	0.611	0.427	1996
36.670	0.594	—	0.204	35.770	0.080	0.022	1997
9.182	1.082	0.111	0.385	7.093	0.329	0.082	1998
16.102	0.487	0.294	0.582	13.458	1.231	0.020	1999

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$$K_t = K_{t-1}(1-d) + I_t$$

.(t)

: K_t

.(t-1)

: K_{t-1}

. t

: I_t

: d

.17

%3

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$$K_t = f(I_t, K_{t-1})$$

.1988

(t)

: K_t

. 1988

t

: I_t

.1988

(t-1)

: K_{t-1}

:

1999-1970

$$K_t = 88.46 + 0.108I_t + 0.934K_{t-1}$$

.....(1)

(t) 6.565 57.224

$R = 0.997$ $H - Stat. = 1.214$

Simple Correl.

$R^2 = 0.994$ $F = 2328.56$

- 0.462

$R^2 = 0.994$ $df = 2,26$

0.994

%99.4

%0.6

t

t

28

0.01

2.763

.%99

F

2 26

%1

t-1

¹⁸H-stat.

.%5

1.645

1.214

(t-1)

(0.108)

(0.934)

-:

(D=0)

.1

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(D=1)

() β_0

$\beta_2 \beta_1$

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$$Q_t = f(X_{1t-n}, X_{2t-n})$$

(29)1988

: Q_t

(36) (n) 1988

: X_{1t-n}

(36) (n) 1988

: X_{2t-n}

()

: (1999–1975)

$$\ln(Q) = 7.939 + 0.302 \ln(X_{1t-1}) - 0.739 \ln(X_{2t-1}) \dots (2)$$

$$(t) \quad 33.22 \quad 2.423 \quad -5.927$$

$$R=0.833 \quad D.W.=1.241 \quad \text{Simple Correl.}$$

$$R^2=0.695 \quad F=22.735 \quad 0.34$$

$$R^{2'} = 0.664 \quad df = 2,20$$

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(%66.4)

(0.83)

(5.85)

(22.73)

(F)

(2 20)

(%1)

(D.W.=1.241)

(0.34)

(%5)

(1.54-1.15)

(2.423)

(t)

(%5)

(2.086)

(%0.302)

(%1)

(5.927)

(t)

(%1)

(2.845)

(%1)

(%0.739)

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(10-8)

$$Q_t = f(A_{t-i}, E_{t-j}) \tag{39}$$

1988 : Q_t :
 1988 : A_{t-i} :
 (i=1-15)
 1988 : E_{t-j} :
 (j=1-3)

(8)

$$\ln(Q) = 7.856 + 0.323\ln(A_{t-8}) - 0.783\ln(E_{t-1}) \tag{3}$$

(t) 35.915 2.414 -5.845
 R = 0.815 D.W. = 1.263 Simple Correl.
 R² = 0.664 F = 16.75 -0.107
 R²' = 0.628 df = 2,19

(2)

$$\ln(Q) = 7.741 + 0.303\ln(A_{t-8}) - 0.682\ln(E_{t-2}) \tag{4}$$

(t) 27.890 2.197 -4.944
 R = 0.836 D.W. = 1.293 Simple Correl.
 R² = 0.690 F = 20.815 0.343
 R²' = 0.663 df = 2,18
 (0.663 0.628)

(16.75)

F

19 2

%1

(5.93)

(.18 2)

(%1)

(6.01)

(20.815)

(D.w)			
(1.54-1.10)			(1.293 1.263)
			(1.54-1.13)
(0.343 0.107-)			.
	()		
(%1)			
		(%0.303) (%0.323)	
(2.414)		(t) (%5)	
	(2.086) (2.080)		(2.197)
			(0.302) (3)
	(8)		
(4.944) (5.845)		(t)	
(%1)		(2.8451) (2.831)	
	(%0.783)		
		(%1)	
		(%0.682)	
			(%1)
	()	(3)	
		(2)	
	(3)		(2)
			(%93.4) .1
	(%10.8)		

					.2
		(%30.2)			
				(%32.3)	
	(%73.9)				.3
)		(%68.2) (%78.3)	(
	()			
					.1
					.2

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