

# Agrarian sector in Chirchik and Akhangaran river basins



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#### Available land of Tashkent province, th.ha

Years	Total Area	Irrigated area	Depos pas	it, hey, ture	To agricul public	tal Iture in sector	Agriculture of farmlands		Other lands	
			Total	irriga ted	Total	irrigat ed	Total	irriga ted	Total	irriga ted
1981	1524,0	328,5	512, 1	2,8	893,1	305,2	26,7	21,5	604,2	1,8
1985	1523,9	341,0	494, 3	2,5	870,1	315,1	29,3	23,4	619,5	2,5
1990	1458,6	361,7	458, 6	2,6	829,2	318,1	49,7	41,6	579,7	2,0
1995	1496,0	360,0	424, 5	2,5	767,4	307,6	58,9	50,0	669,6	2,4
2000	1480,4	357,1	387, 2	2,8	729,3	305,7	58,2	48,5	692,8	2,9
2003	1495,1	353,6	423, 7	1,8	763,0	301,6	59,8	49,2	672,3	2,8

### Forms of management

Forms	Area (th. ha)	% from total area
Agriculture farms (Co- operative society, shirkats)	206,6	61,4
Farmers	95,3	28,3
Private farms	34,4	10,3

### **Plant cultivation**

STRUCTURE OF SOWN AREAS (%)

Crop	1981	1990	2003
Cotton	54	46	34
Grain	2	6	37
Maize	6	5	3
Rise	2	3	3
Potato	3	3	2
Vegetables	6	7	9
Melons and gourds	1	1	1
Forage	26	29	11

#### Dynamics of garden areas and vineyards on irrigated lands and dry in Tashkent province for period 1981-2003

Farms category	Years	Irriga tl	ted areas, h. ha	Dry areas, th. ha		Total	
		Orchar ds	Vineyard	Orchar ds	Vineyard	Orchar ds	Vineyard
	1981	24,3	24,3 6,9		0,0 0,0		6,9
	1985	12,4 8,2		0,0 0,0		12,4	8,2
All farms	1990	11,2	9,0	0,0	0,0	11,2	9,0
category	1995	12,1	8,8	0,0	0,0	12,1	8,8
	2000	16,8	10,3	0,7	0,3	17,5	10,6
San Asia Asia	2003	14,9	9,7	1,7	0,5	16,6	10,3

# Sown area of agricultural crops on dry lands for period 1996-2003 in Tashkent province, th.ha

Farms category	Years	Total	including				
		sown area	Cereals	Industrial	Forage		
	1996	25,6	20,0	0,6	5,0		
	1997	27,5	21,1	1,7	4,6		
All farms category	1998	24,8	18,8	1,9	4,2		
	1999	23,5	17,6	2,5	3,5		
	2000	22,4	16,0	2,1	4,2		
	2001	21,5	15,5	2,1	3,9		
	2002	23,7	16,8	1,2	5,8		
	2003	23,7	19,7	0,9	3,2		

### Gross collection of the main agricultural crops on irrigated lands (th.ton)

(All farms category)

Years	Grain	Raw cotton	Maize and grain	Rise	Potato	Vegeta bles	Melons and gourds
1981	11,9	427,3	116,9	31,5	84,9	394,9	37,7
1985	10,7	375,4	58,5	28,3	63,3	359,5	25,8
1990	31,0	327,3	44,6	34,7	53,5	398,5	49,0
1995	204,3	244,4	7,9	24,5	33,0	261,6	18,3
2000	300,7	224,5	25,9	41,1	120,7	505,5	44,7
2003	431,7	187,9	29,2	32,3	135,6	586,2	56,0

# Dynamics of yield modification of the main agricultural crops in Tashkent province from irrigated lands 1981-2003 years, th/ha

	Farms category	Years	Grain	Maize and grain	Rise	Raw cotton	Potato	Vegetables	Melons and gourds
No. of Concerns		1981	2,4	7,5	5,5	3,7	10,5	24,0	18,2
100		1985	2,2	3,4	5,3	3,1	8,7	22,5	17,6
家長を	All farms	1990	1,9	3,6	5,1	2,9	6,5	21,8	16,2
A STATE	category	1995	2,9	2,5	3,4	2,6	9,2	20,9	13,0
1000		2000	3,2	3,1	3,7	2,4	15,5	22,6	16,9
必ちたち		2003	4,1	3,7	4,0	2,0	21,2	22,5	17,0

## Average, maximum and potential yield of agricultural crops for Tashkent province (th.ha)

	Agricultural crons	Average yield	Average yield of	Maximum yield received			Potentia
	Agricultural crops	1981-1985	1999-2003	Yield	Year	Farm category	l yield
	Зерноколосовые	2,5	3,7	5	2002	Farmers and private farms	6,0
	Cotton	3,4	2,3	3,7	1981	Around the province	4,4
	Maize and grain	5,6	3,4	7,5	1981	Around the province	9,0
	Rise	5,7	3,8	6,2	1982	Around the province	7,4
	Potato	10,7	17,7	24,7	2003	Agricultural enterprises	29,6
	Vegetables	24,1	21,5	25,6	2002	Farmers	30,7
	Melons and gourds	16,5	16,1	29,3	2000	сельхозпредприятия	35,2
ſ	Roots	28,8	27,9	37,5	2003	Private farms	45,0
	Maize and						
	silage	26,1	24,1	33,8	2002	Private farms	40,6
	Permanent grasses	28,7	27,2	35,2	2001	Private farms	42,2

# Main indicators of cattle breeding development in Tashkent province for 1985 – 2003 years

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<b>Production indicators</b>	1985	1990	1995	2000	2003
Meat (live weight), th. ton	90,2	97,5	109,1	96,1	103,8
Milk, th.ton	321,0	377,1	364,7	321,7	358,9
Eggs, mln. pcs.	590,2	645,1	379,2	309	419,0
Average yield of milk, kg/year	2720,0	3032,0	1956,0	1950,0	2010,0
Egg-laying qualities, pcs/year	169,0	203,0	145,0	158,0	176,0
Cattle, th.heads	348,2	375,4	362,2	358,1	390,9
Including cows, th.heads	135,1	157,4	167,7	165,6	177,2
Pigs, th.heads	261,8	218,2	109,7	20,5	22,8
Sheep and goats, th.heads	565,6	582,5	421,8	370,7	1413,9
Poultry, th.heads	7185,3	6185,1	3193,0	3175,9	4176,0





th. \$

Financial result of agriclutural crops, th. \$



тыс. \$



# Main obstacles, restrictive further development of agricultural production:

- Confinement property of sown areas selection structure;
- Financial losses of agriculture producers due to disparity costs to agricultural production and delivered their material and technical resources;
- Depreciation of exploited machinery and irregularity of spares and fuel supply;
- Chemical fertilizers are not use in total standard volume for plant growing;
- Insufficient provision of chemical and biological remedies of plant protection;
- Low quality and suggested choice of sowing material;
- Low level of water supply on lands irrigated by pumps;
- Poor information influence and limited of technological knowledge of farmers;
- Low specific gravity of sown areas structure of lucerne culture, which have a high profile in rehabilitation and increasing of land fertility and cattle breeding development.

#### For realization of irrigated agriculture potential in Tashkent province it's necessary the availability of the following conditions:

- to increase the level of mechanization of agricultural works and power consumption in agriculture;
- to make use of standard quantity of organic and chemical fertilizers;
- completely rehabilitate hydrotechnical structures and collector-drainage network;
- to increase the efficiency of available lands use owing to repeated cultures and complete crop rotation;
- to provide needs of agriculture producers with bank loans and low interest rate;
- to create modern supply-domestic agricultural infrastructure;
- to limit interference of officials in production processes and in chosen of sown areas structure;
- to create effective system of Governmental support to agriculture entrepreneurship, including privileges and advantages system.