

Table 1 Prognosis about distribution and increase of mulberry plantations in the regions of Azerbaijan (2006-2015).

Regions	Area under mulberry plantations, ha														
	2006			2007			2008			2009			2010		
	At the beginning of the year	Newly planted	In the end of the year	At the beginning of the year	Newly planted	In the end of the year	At the beginning of the year	Newly planted	In the end of the year	At the beginning of the year	Newly planted	In the end of the year	At the beginning of the year	Newly planted	In the end of the year
Агдаш	56,0	30	86	86	30	116	116	30	146	146	35	181	181	35	216
Агджабеди	13,0	10	23	23	15	38	38	15	53	53	50	103	103	50	153
Агсу	-	10	10	10	10	20	20	10	30	30	25	55	55	25	80
Балакан	143,0	35	178	178	40	218	218	45	263	263	50	313	313	50	363
Барда	300,0	25	325	325	30	355	355	40	395	395	40	435	435	40	475
Гёй-чай	32,0	35	67	67	35	102	102	40	142	142	40	182	182	40	222
Курдемир	107,0	35	142	142	35	177	177	35	212	212	30	242	242	30	272
Гах	87,0	30	117	117	30	147	147	35	182	182	30	212	212	30	242
Габала	74,0	30	104	104	35	139	139	35	174	174	35	209	209	35	244
Шеки	593,0	-	593	593	-	593	593	-	593	593	10	603	603	10	613
Уджар	340,0	15	355	355	15	370	370	15	385	385	20	405	405	20	425
Евлах	-	20	20	20	20	40	40	20	60	60	30	90	90	30	120
Закачала	327,0	30	357	357	30	387	387	30	417	417	20	437	437	20	457
Зардаб	270,0	30	300	300	30	330	330	30	360	360	25	385	385	25	410
Всего :	2342	335	2677	2677	355	3032	3032	380	3412	3412	440	3852	3852	440	4292

Table 1 continued

Regions	Area under mulberry plantations, ha														
	2011			2012			2013			2014			2015		
	At the beginning of the year	Newly planted	In the end of the year	At the beginning of the year	Newly planted	In the end of the year	At the beginning of the year	Newly planted	In the end of the year	At the beginning of the year	Newly planted	In the end of the year	At the beginning of the year	Newly planted	In the end of the year
Агдаш	216	60	276	276	44	320	320	45	365	365	40	405	405	40	445
Агджабеди	153	50	203	203	57	260	260	60	320	320	60	380	380	70	450
Агсу	80	20	100	100	10	110	110	15	125	125	15	140	140	10	150

Балакан	363	80	443	443	82	525	525	70	595	595	100	695	695	135	830
Барда	475	30	505	505	45	550	550	40	590	590	60	650	650	30	680
Гёй-чай	222	80	302	302	63	365	365	80	445	445	100	545	545	135	680
Курдемир	272	20	292	292	18	310	310	25	335	335	15	350	350	20	370
Гах	242	20	262	262	28	290	290	30	320	320	50	370	370	60	430
Габала	244	10	254	254	16	270	270	15	285	285	20	305	305	10	315
Шеки	613	-	613	613	7	620	620	-	620	620	-	620	620	-	620
Уджар	425	-	425	425	-	425	425	-	425	425	-	425	425	-	425
Евлах	120	10	130	130	-	130	130	-	130	130	10	140	140	-	140
Закагала	457	60	517	517	70	587	587	60	647	647	100	747	747	60	807
Зардаб	410	10	420	420	10	430	430	20	450	450	30	480	480	30	510
Всего :	4292	450	4742	4742	450	5192	5192	460	5652	5652	600	6252	6252	600	6852

Table 2 Prognosis about mulberry leaf yield in Azerbaijan.

Years	Plantations under exploitation , ha	Leaf yield , (t)	
		Per 1 ha	total
2006	2342	1.5	3513
2007	2342	2.3	5387
2008	2677	3.9	10440
2009	3032	5.4	16373
2010	3412	6.7	22860
2011	3852	7.5	28890
2012	4292	8.0	34336
2013	4742	8.2	38884
2014	5192	8.0	41536
2015	5652	7.5	42390

Table 3 Prognosis about mulberry saplings production in Azerbaijan

Years	Mulberry saplings, million pieces	Costs of saplings (1 piece 700 manat or 0.15 \$)	
		In million manat	in US\$
2006	1,340	938,0	188732
2007	1,420	994,0	200000
2008	1,520	1064,0	214084
2009	1,760	1232,0	247887
2010	1,760	1232,0	247887
2011	1,800	1260,0	253521
2012	1,800	1260,0	253521
2013	1,840	1288,0	259155
2014	2,400	1680,0	338028
2015	2,400	1680,0	338028
Total	18,040	12628,0	2540845

Table 4 Plan for implementation of fertilizers in the mulberry plantations

Years	Mulberry plantations area, ha	Annual norm for fertilizers input					
		On the basis of active substance, t			On the basis of physical weight, considering the active substance %, t		
		Nitrogen, norm per 1 ha – 180 kg	Phosphorous, norm per 1 ha – 80 kg	Potassium, norm per 1 ha – 90 kg	Ammonium sulphate 34%- 530 kg	superphosphate 18%- 500 kg	Potassium chloride 52,4%-175 kg
2006	2342	421,6	187,4	210,8	1241,3	1171,0	409,8
2007	2677	481,9	214,2	240,9	1418,8	1338,5	468,5
2008	3032	545,8	242,6	272,9	1607,0	1516,0	530,6
2009	3412	614,2	273,0	307,1	1808,4	1706,0	597,1
2010	3852	693,4	308,2	346,7	2041,6	1926,0	674,1
2011	4292	772,6	343,4	386,3	2274,8	2146,0	751,1
2012	4742	853,6	379,4	426,8	2513,3	2371,0	829,8
2013	5192	934,6	415,4	467,3	2751,8	2596,0	908,6
2014	5652	1017,4	452,2	508,7	2995,6	2826,0	989,1
2015	6252	1125,4	500,2	562,7	3313,6	3126,0	1094,1

Table 5 Prognosis about the dynamics of P 2 , P 1 and F 1 silkworm egg production development in Azerbaijan

years	P 2		P 1		F 1	
	boxes	kg	boxes	kg	boxes	kg
2006	28	0,812	355	10,3	4327	125,5
2007	37	1,073	528	15,3	8511	246,8
2008	45	1,305	726	21,0	13138	381,0
2009	51	1,479	895	26,0	18384	533,1
2010	55	1,595	1034	30,0	23156	671,5
2011	59	1,711	1168	33,9	27802	806,2
2012	60	1,740	1241	36,0	31400	910,6
2013	63	1,827	1315	38,1	34640	1004,6
2014	69	2,001	1436	41,6	38090	1104,6
2015	73	2,117	1554	45,1	41600	1206,4

Table 6 Distribution and dynamics of fresh cocoon production in Azerbaijan (2006-2015), in ton

Regions	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Агдаш	4,0	5,8	11,0	21,5	31,2	48,0	65,5	84,5	101,0	122,0
Агджабеди	1,0	1,6	3,7	5,6	9,0	16,5	27,5	45,5	65,9	91,0
Агсу	-	-	0,5	1,0	4,0	8,5	14,0	23,0	30,0	38,0
Балакан	15,0	19,6	36,0	49,2	70,5	87,0	105,5	134,5	150,0	180,5
Барда	30,0	37,5	74,0	95,0	128,5	143,0	157,5	175,4	191,0	214,5
Гёй-чай	3,0	4,0	8,0	15,8	25,0	40,0	55,5	76,5	103,0	125,5
Курдемир	9,0	12,1	25,0	37,5	53,0	72,5	90,5	110,0	130,0	140,0
Гах	3,0	6,6	12,0	28,7	41,2	64,5	86,0	105,0	131,5	134,5
Габала	1,0	4,5	9,5	24,8	36,0	60,0	83,0	101,0	121,5	132,0
Шеки	20,0	46,0	85,0	159,0	214,0	280,0	320,0	322,0	323,0	325,0
Уджар	34,0	42,5	83,0	105,2	139,0	150,0	158,0	170,0	174,5	180,0
Евлах	-	-	1,0	3,0	8,0	15,5	27,6	40,0	55,5	65,2

Закагала	16,0	30,0	56,0	94,7	131,5	173,0	204,0	220,0	235,0	250,0
Зардаб	25,0	32,0	61,0	86,1	119,0	132,0	150,0	165,0	176,0	187,0
Total :	161,0	242,2	465,7	727,1	1009,9	1290,5	1544,6	1772,4	1987,9	2185,2

Table 7 Prognosis about the number of silkworm egg boxes reared , fresh cocoon yield by one box of eggs and total cocoon production in Azerbaijan

Years	Number of silkworm egg boxes reared		Fresh cocoon yield by one box of eggs, kg		Total cocoon production, t		total
	hybrid	pure line	hybrid	pure line	hybrid	pure line	
2006	3000	200	50	55	150,0	11,0	161,0
2007	4327	383	51	56	220,7	21,5	242,2
2008	8511	565	51	56	434,1	31,6	465,7
2009	13138	771	52	57	683,2	43,9	727,1
2010	18384	946	52	57	956,0	53,9	1009,9
2011	23156	1089	53	58	1227,3	63,2	1290,5
2012	27802	1227	53	58	1473,5	71,1	1544,6
2013	31400	1301	54	59	1695,6	76,8	1772,4
2014	34640	1378	55	60	1905,2	82,7	1987,9
2015	38090	1505	55	60	2094,9	90,3	2185,2

Table 8 Basic quantitative and qualitative parameters of fresh and dry cocoon production in Azerbaijan (2006-2015)

years	Fresh cocoon production, t	Out of them used in the silkworm egg production, t	Cocoons for primary processing, t	Out of them:		Dry cocoon obtained from fresh cocoon coefficient	Production of dry cocoons, t	Out of them:	
				Good quality, t	Rejected and waste, t			Good quality, t	Rejected and waste, t
2006	161,0	3,0	158,0	137,5	20,5	2,70	58,5	50,9	7,6
2007	242,2	5,8	236,4	205,7	30,7	2,68	88,2	76,8	11,4
2008	465,7	8,7	457,0	402,2	54,8	2,65	172,4	151,8	20,6
2009	727,1	12,1	715,0	629,2	85,8	2,63	271,9	239,2	32,7
2010	1009,9	14,9	995,0	885,6	109,4	2,60	382,7	340,6	42,1
2011	1290,5	17,5	1273,0	1133,0	140,0	2,58	493,4	439,1	54,3
2012	1544,6	19,6	1525,0	1372,5	152,5	2,55	598,0	538,2	59,8

2013	1772,4	21,2	1751,2	1593,6	157,6	2,53	692,2	629,9	62,3
2014	1987,9	22,9	1965,0	1807,8	157,2	2,50	786,0	723,1	62,9
2015	2185,2	25,0	2160,2	2009,0	151,2	2,50	864,1	803,6	60,5

Table 9 Amount of gradable dry cocoons, produced in the country and imported in order to ensure the work of Sheki Ipak J.S.C. in full capacity and the raw silk production (2006-2015)

years	Produced in Azerbaijan			Imported			Total raw silk production, t	Total dry cocoons used, t
	Dry cocoons		Raw silk production, t	Dry cocoons		Necessary to produce 1 kg raw silk, kg		
	Volume, t	Necessary to produce 1 kg raw silk, kg			Volume, t		Necessary to produce 1 kg raw silk, kg	
2006	50,9	2,75	17,0	725,6	3,30	199,9	216,9	
776,5 2007	76,8	2,70	25,8	693,4	3,30	191,1	216,9	
2008	151,8	2,65	52,0	598,6	3,30	164,9	216,9	
2009	239,2	2,60	83,6	483,9	3,30	133,3	216,9	
2010	340,6	2,55	121,6	345,9	3,30	95,3	216,9	
2011	439,1	2,50	159,7	207,6	3,30	57,2	216,9	
2012	538,2	2,50	195,7	77,0	3,30	21,2	216,9	
2013	629,9	2,50	229,0	-	-	-	229,0	
2014	723,1	2,50	262,9	-	-	-	262,9	
2015	803,6	2,45	297,6	-	-	-	297,6	