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ARBIL WINTER CROP SURVEY 2004/2005
FINAL REPORT

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Arbil Winter Crops Survey, 2004/2005 Wheat and Barley Planted Area Estimates

Results from a survey of area planted to winter crops in Arbil Governorate indicate that 304,000 donums of wheat and 287,000 donums of barley were planted in the 2004/2005 cropping season. These estimates include five districts, namely Arbil Center (Ainkawa, Khabat, and Qushtapa), Shaqlawa, Soran, Choman, and Mergasor, but do not include Makhmur or Quaisinjak.

Wheat

The estimated area of land planted to wheat in the 2004/2005 cropping season is 29 percent below the 427,000 donums of area planted to wheat in 1998/1999, according to a survey by the Food and Agriculture Organization (FAO) for that cropping season. The reduction in area planted to wheat occurred in all districts in Arbil with the sole exception of Ainkawa, where it remained roughly the same. The most significant decrease in area planted to wheat took place in Qushtapa, Shaqlawa, and Khabat. Ainkawa was the largest wheat-growing subdistrict in Arbil, with 97,000 donums planted to wheat, followed by Qushtapa (67,000 donums) and Shaqlawa (62,000 donums).

The decline in area of land planted to wheat can be explained by several reasons. The large-scale import of wheat beginning in 1997 under the United Nations Oil-for-Food program reduced the reliance on and market for domestic production. Most wheat is used as animal feed in poultry production, and the poultry industry is still recovering its strength. In addition, in 2004 the Government of Iraq purchased only limited quantities of wheat from farmers, and paid low prices. Due to the lowered demand, farmers did not plant as much area to wheat.

Barley

The area of land planted to barley in the 2004/2005 cropping season was 287,000 donums. This was slightly below -- 11 percent -- the 323,000 donums of land planted to barley in 1998/99, as reported by the FAO. Most of the reduction in area planted to barley took place in Ainkawa and Khabat. In Qushtapa the area of land planted to barley increased slightly. Qushtapa is by far the largest producer of barley, with 170,000 donums planted in 2004/05, compared with Khabat, Ainkawa, Shaqlawa and Soran each with areas between 20,000 and 40,000 donums planted to barley. In Qushtapa, the area planted to barley is three times the area planted to wheat, while in other Arbil districts more area is planted to wheat.

Chickpeas, Lentils and Winter Vegetables

The only other major winter field crop planted in Arbil is chickpeas, almost exclusively in Shaqlawa where it occupies 32,000 donums, or 26 percent of the total planted area in that district. Lentils and winter vegetables are also planted in small areas in Arbil, especially in Ainkawa.

Mahkmur District

Mahkmur district was also included in the winter crops survey, and its results are reported separately from the Arbil totals to maintain consistency in comparisons with 1998/99 data, and because its administrative status remains ambiguous. Area planted in Mahkmur alone dwarfs the combined total of other Arbil districts, and nearly all of it (90 percent) is planted to barley. Qushtapa and Mahkmur are contiguous districts with lower rainfall than districts farther north; that may account for their similar crop patterns, particularly the predominance of barley.

Survey Procedure and Accuracy

These estimates were derived from a survey of about 219 villages, or 16 percent out of a combined total of total of 1362 villages in Arbil Governorate and Mahkmur district. The objective of the survey was to estimate the area planted to wheat and barley in Arbil within a reasonable level of accuracy. A target accuracy of 10 percent plus or minus around the estimate was hoped for in the design of the survey. Enumerator teams comprised of two staff members from the Ministry of Agriculture visited the villages and collected data on the winter crops planted by farmers in sample villages. Data collection was initially scheduled for March and April 2005 but was actually carried out in August and September 2005 due to administrative delays. This delay might have resulted in some loss of information because some farmers might be living away from the villages in the summer months. Information on yields and costs of production were collected through a separate survey of a subset of villages in Arbil Center sub-districts, and will be reported separately.

The accuracy of the survey estimate for wheat planted area in Arbil (304,000 donums) is plus or minus 12.8%, slightly less accurate than the 10% that was hoped for. Accuracy is measured here as 2 standard errors – 6.4% -- from the estimate. When Mahkmur district is included, the wheat area estimate increases to 384,000 donums but its standard error increases to 7.4%. (See accompanying tables).

Area planted to barley in Arbil is estimated at 287,000 donums, plus or minus 13.6% (twice the standard error of 6.8%), but when Mahkmur is included with its sizeable area planted to barley the combined area estimate increases to 1,038,000 donums and the accuracy improves to plus or minus 9.8% (twice the standard error of 4.9%).

It is worth pointing out that the accuracy of area estimates for individual districts and subdistricts are much lower than the global area estimate for Arbil Governorate, that is to say, the standard errors are relatively higher. This is true for both wheat and barley because potential errors in one direction in some districts are compensated by potential errors in the opposite direction in other districts. Less significant crops in terms of area planted have relatively higher potential errors and their estimates are consequently less reliable.

The experience gained by the Directorate of Agriculture in conducting the Arbil winter crops statistical surveys will be useful in raising the accuracy of subsequent surveys through an improved sample selection, better timing of interviews, more experienced enumerators, and greater focus at the sub-district level.

Note: One donum = 2,500 square meters; or one hectare = four donum.

Winter crops survey, Arbil Governorate 2004/2005
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Table 1: Arbil. Areas planted to winter crops, 2004/2005. Donums

District-Code	District	Wheat	Barley	Chickpeas	Lentils	Vegetables
0201	Ainkawa	96,867	38,990	8,887	273	2,354
0201	Khabat	38,374	25,656	189	290	-
0201	Qushtapa	66,601	170,181	29	-	275
0203	Shaqlawaw	62,778	26,096	31,921	52	758
0204	Soran	26,661	21,666	1,398	5	-
0205	Choman	2,104	838	-	-	-
0206	Mergasor	10,207	3,828	239	-	-
	Subtotal	303,592	287,255	42,663	620	3,387
0207	Makhmor	81,238	750,346	2,077	-	-
	Totals	384,830	1,037,601	44,740	620	3,387

percentages

District-Code	District	Wheat	Barley	Chickpeas	Lentils	Vegetables
0201	Ainkawa	65.7%	26.5%	6.0%	0.2%	1.6%
0201	Khabat	59.5%	39.8%	0.3%	0.4%	0.0%
0201	Qushtapa	28.1%	71.8%	0.0%	0.0%	0.1%
0203	Shaqlawaw	51.6%	21.5%	26.2%	0.0%	0.6%
0204	Soran	53.6%	43.6%	2.8%	0.0%	0.0%
0205	Choman	71.5%	28.5%	0.0%	0.0%	0.0%
0206	Mergasor	71.5%	26.8%	1.7%	0.0%	0.0%
	Subtotal	47.6%	45.1%	6.7%	0.1%	0.5%
0207	Makhmor	9.7%	90.0%	0.2%	0.0%	0.0%
	Totals	26.2%	70.5%	3.0%	0.0%	0.2%

Figure 1-a. Arbil. Area planted to crops, by district. (donums)

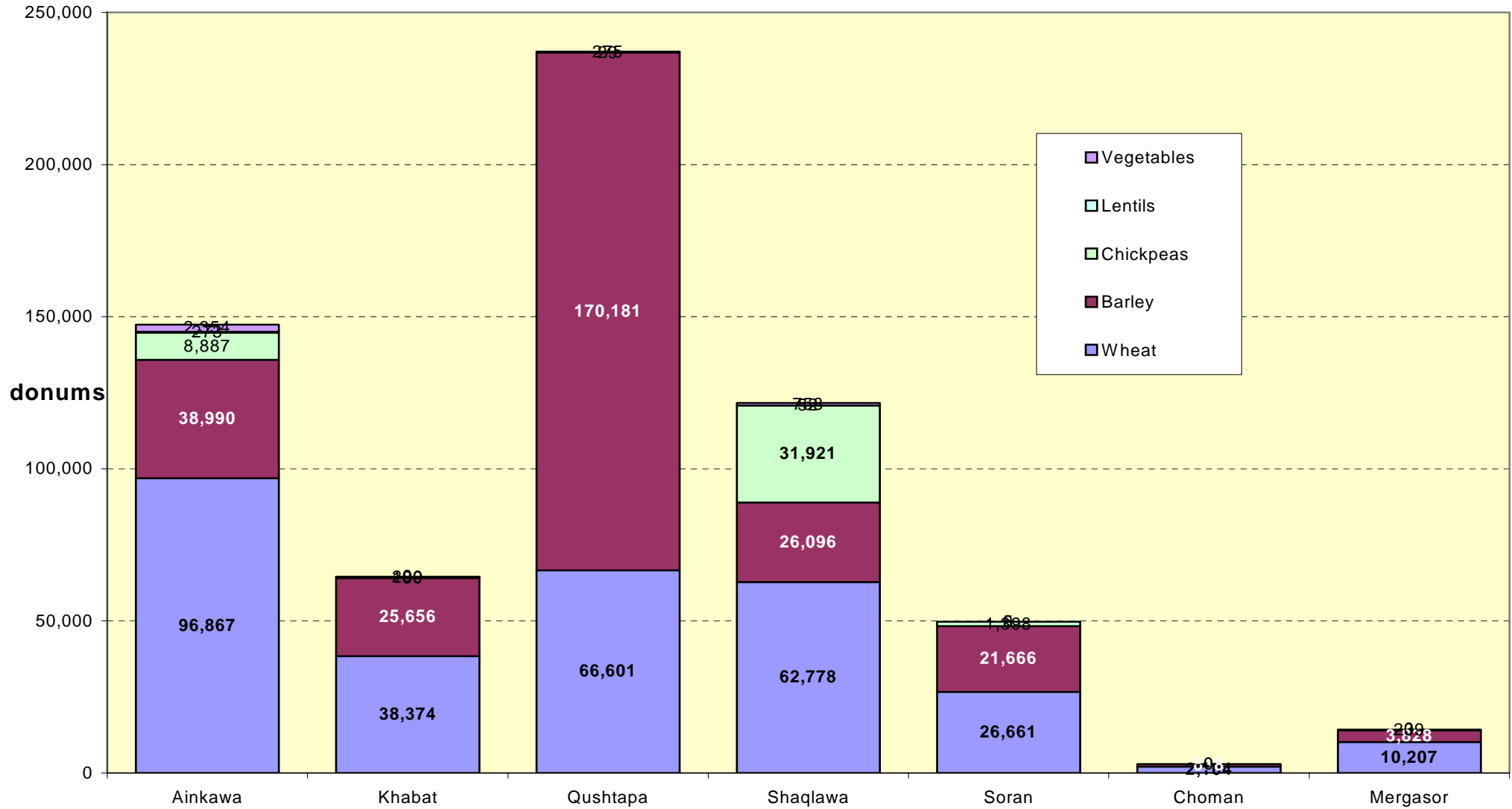


Figure 1-b. Arbil. Areas planted to winter crops, 2004/05. donums

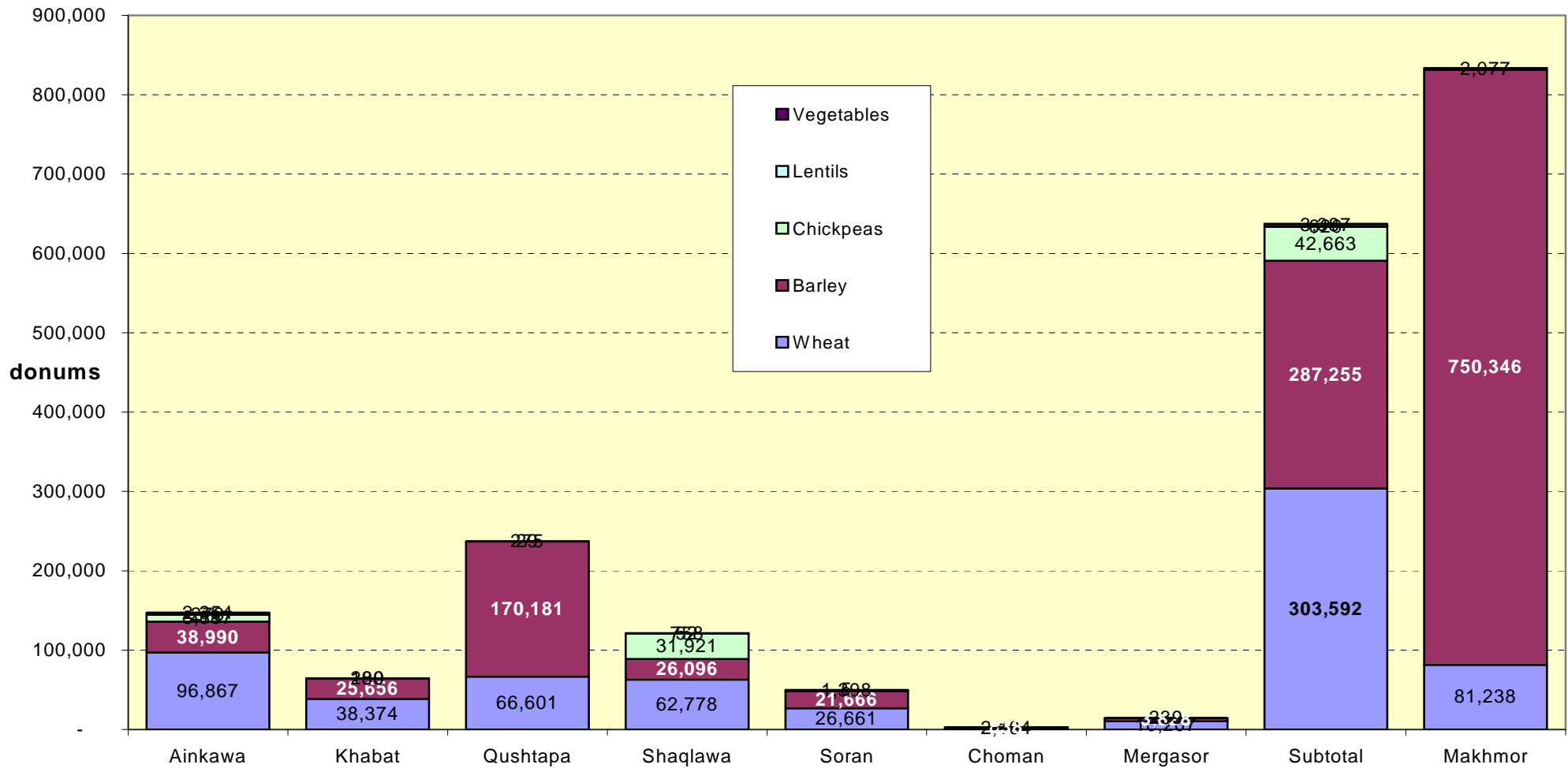
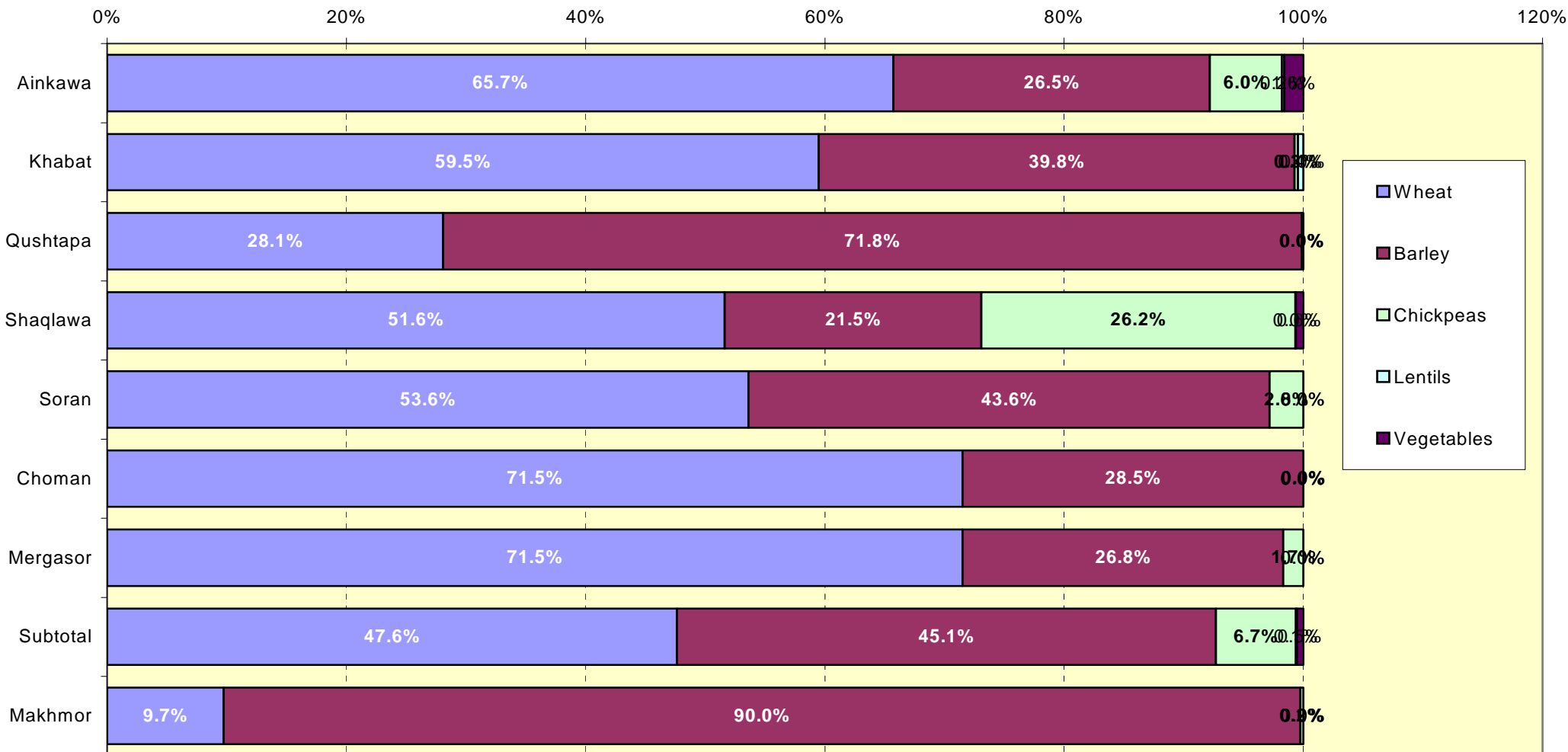


Figure 2. Arbil. Area planted by crop, as percent of total planted area, by district.

percentage



**Table 2: Arbil. Estimates of Area planted to Wheat
in 2004/2005 and 1998/1999, by district. Donums**

District	Villages	Percent of Area	Wheat 1998/99	Wheat 2004/2005	Accuracy (+/-)	Coff var	Std error
Ainkawa	27	57%	96,179	96,867	25%	12.5%	12,131.7
Khabat	17	65%	59,083	38,374	36%	17.9%	6,865.4
Qushtapa	45	53%	109,328	66,601	28%	13.9%	9,278.1
Shaqlawā	26	15%	102,456	62,778	26%	12.9%	8,068.3
Soran	29	23%	34,895	26,661	38%	19.0%	5,060.3
Choman	14	28%	9,558	2,104	54%	27.2%	572.8
Mergasor	12	18%	15,627	10,207	45%	22.3%	2,276.3
Sub-Total	170		427,126	303,592	13%	6.4%	19,406
Makhmor	43	29%		81,238	52%	26.0%	21,099.2
Total	213			384,830	15%	7.4%	28,666.8

Figure 3. Arbil. Area planted to Wheat, by district, in 2004/05 and 1998/99

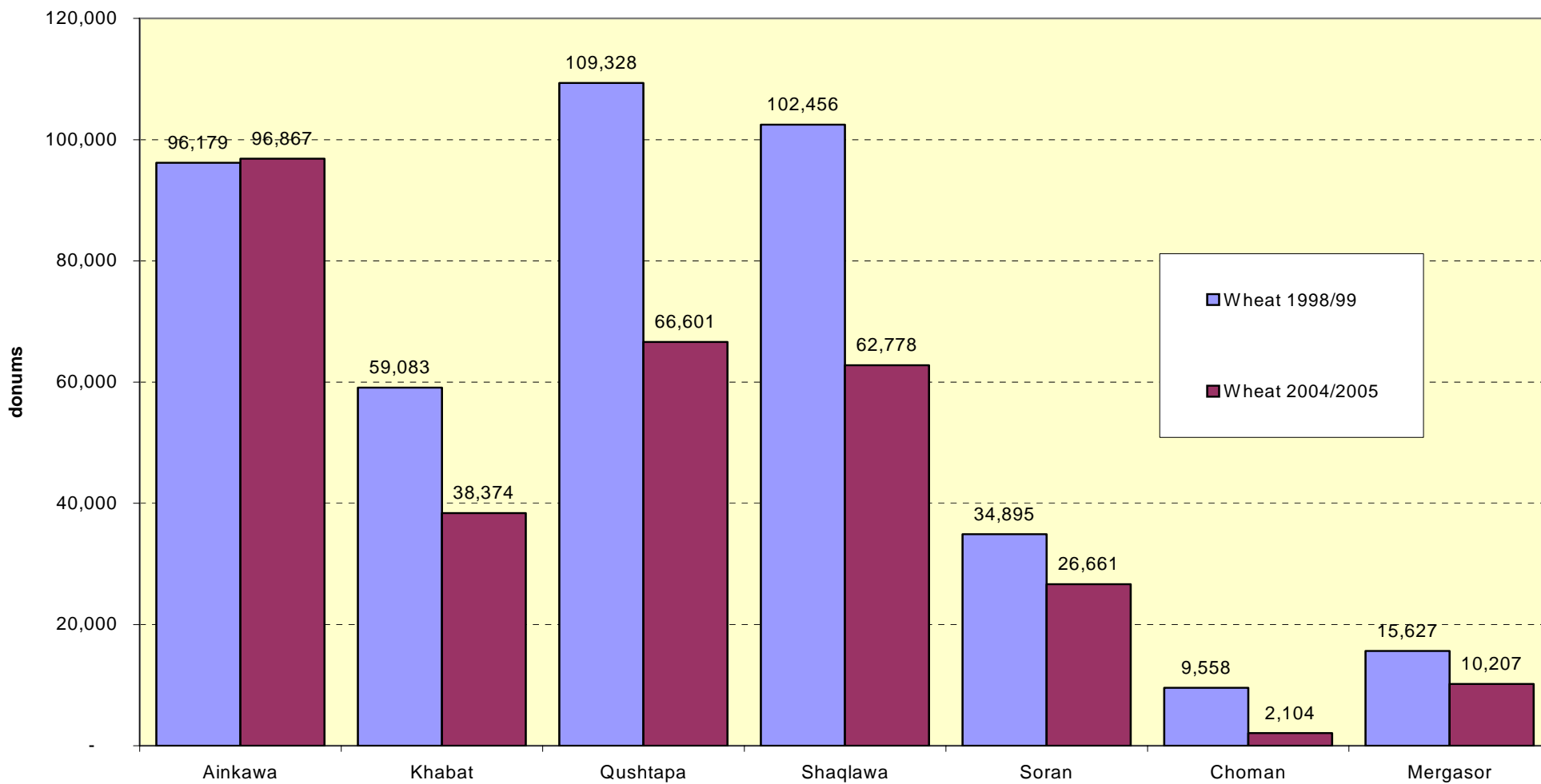
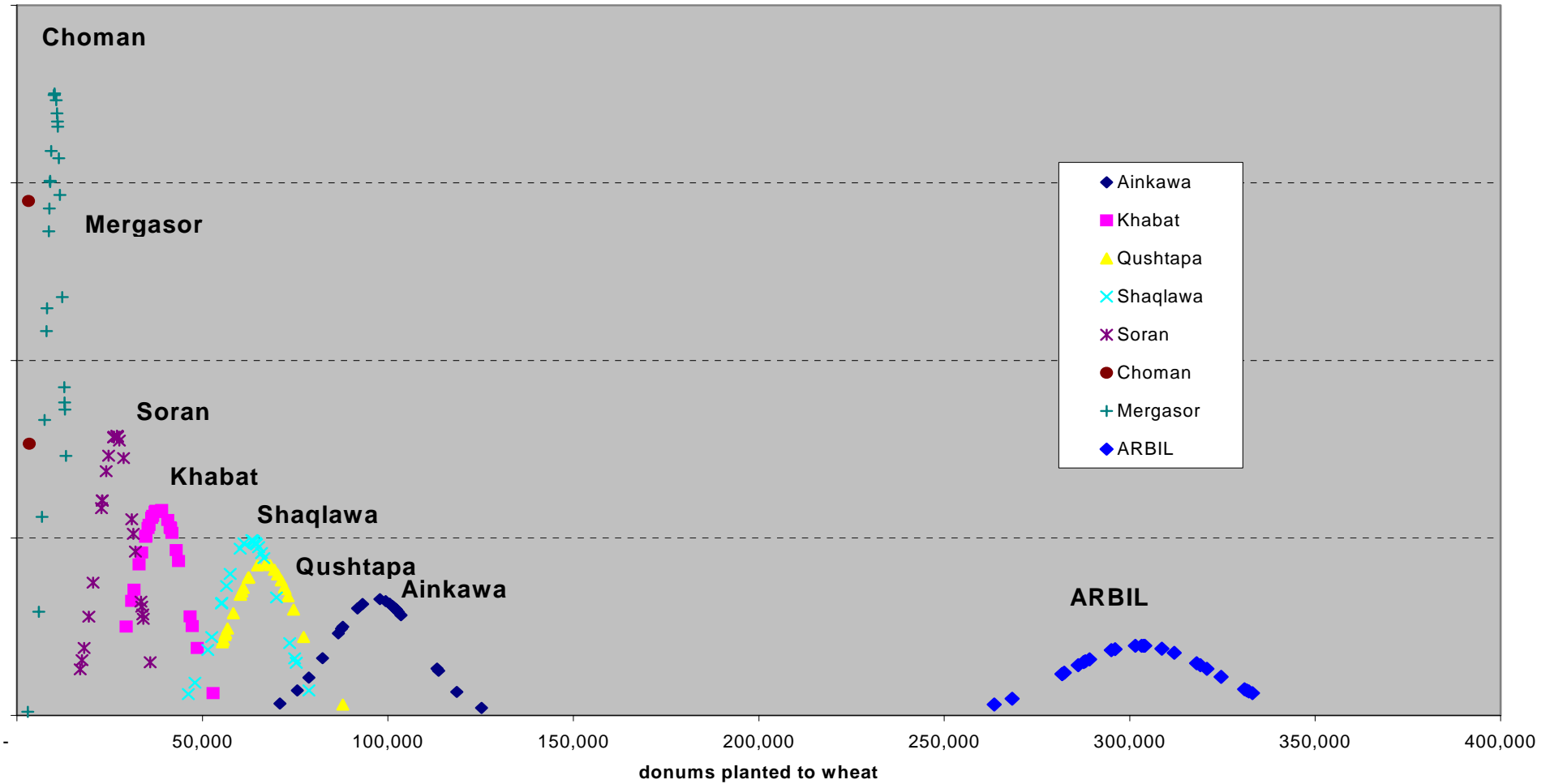


Figure 4-a. Arbil. Simulation of wheat areas in 2004/05. (donums)



Figure 4-b. Arbil. Simulation of wheat areas by district, 2004-2005

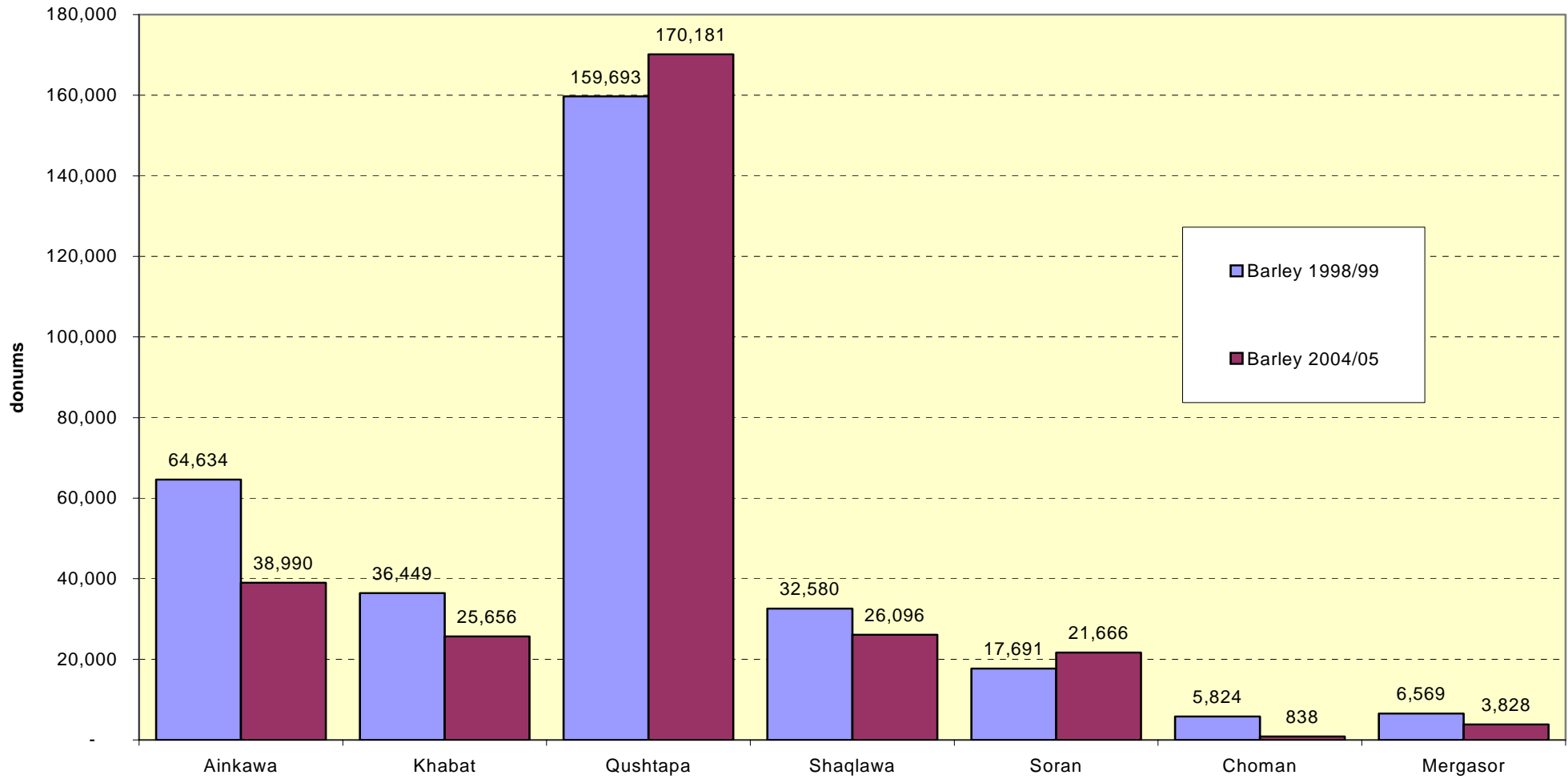


**Table 3: Arbil. Estimates of Area planted to Barley
in 2004/2005 and 1998/1999, by district. Donums**

District	Villages	Percent of Area	Barley 1998/99	Barley 2004/05	Accuracy (+/-)	Coff var	Std error
Ainkawa	27	57%	64,634	38,990	45%	22.7%	8,853
Khabat	17	65%	36,449	25,656	59%	29.5%	7,570
Qushtapa	45	53%	159,693	170,181	16%	8.2%	13,929
Shaqlawaw	26	15%	32,580	26,096	37%	18.3%	4,766
Soran	29	23%	17,691	21,666	46%	23.0%	4,990
Choman	14	28%	5,824	838	83%	41.5%	348
Mergasor	12	18%	6,569	3,828	64%	32.1%	1,227
Sub-Total	170		323,440	287,255	14%	6.8%	19,466

Makhmor	43	29%		750,346	12%	6.2%	46,448
Total	213			1,037,601	10%	4.9%	50,363

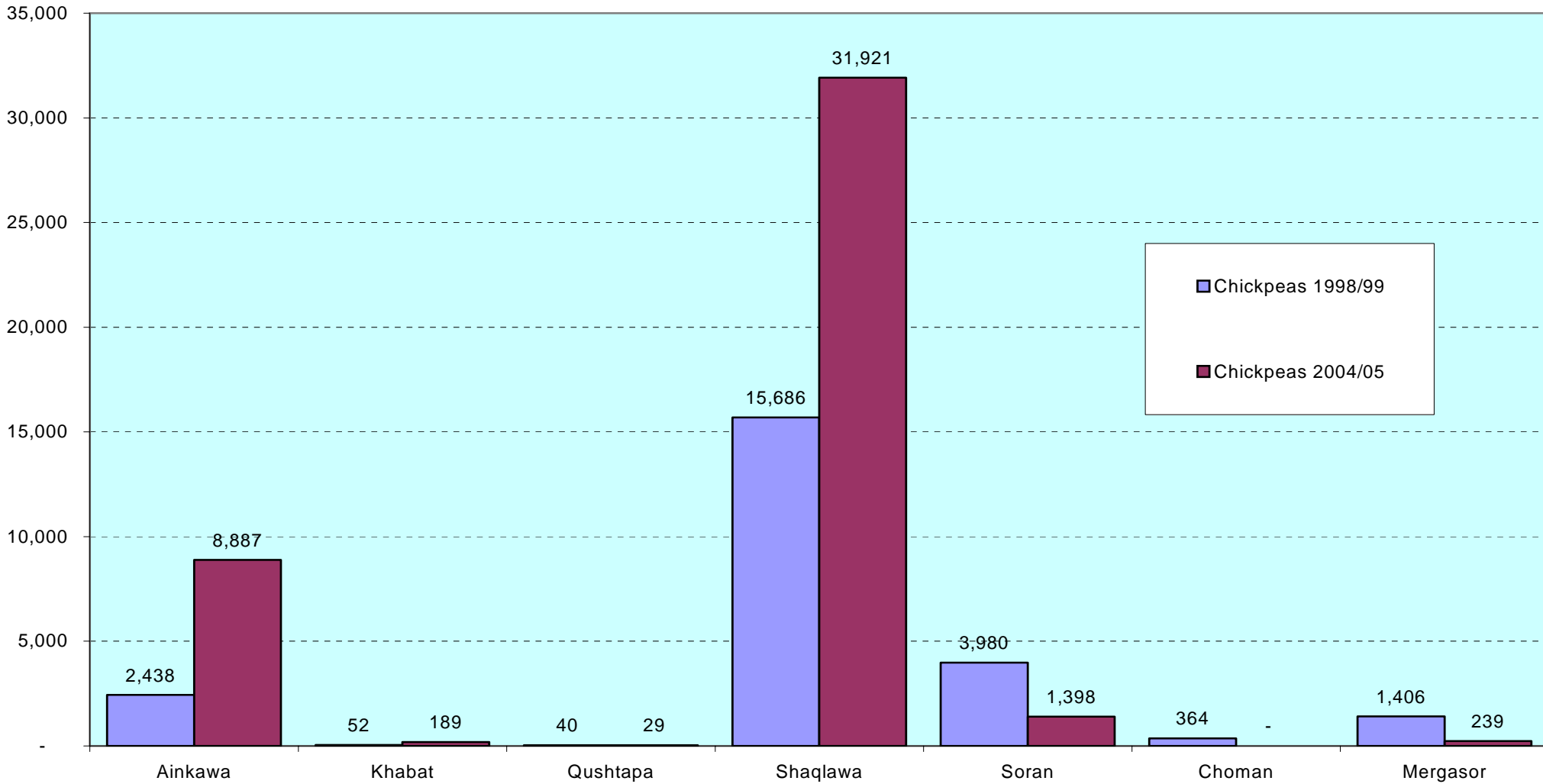
Figure 5. Arbil. Area planted to Barley, by district, in 2004/05 and 1998/99



**Table 4: Arbil. Estimates of Area planted to Chickpeas
in 2004/2005 and 1998/1999, by district. Donums**

District	Villages	Percent of Area	Chickpeas 1998/99	Chickpeas 2004/05	Accuracy (+/-)	Coefficient of variation	Std error
Ainkawa	27	57%	2,438	8,887	166%	83.1%	7,385
Khabat	17	65%	52	189	182%	91.2%	172
Qushtapa	45	53%	40	29	202%	101.1%	30
Shaqlawa	26	15%	15,686	31,921	47%	23.7%	7,550
Soran	29	23%	3,980	1,398	75%	37.6%	525
Choman	14	28%	364	-	-	-	-
Mergasor	12	18%	1,406	239	136%	68.0%	163
Sub-Total			23,966	42,663	50%	24.8%	10,577
Makhmor	43	29%		2,077	197%	98.5%	2,046
Total				44,740	48%	24.1%	10,773

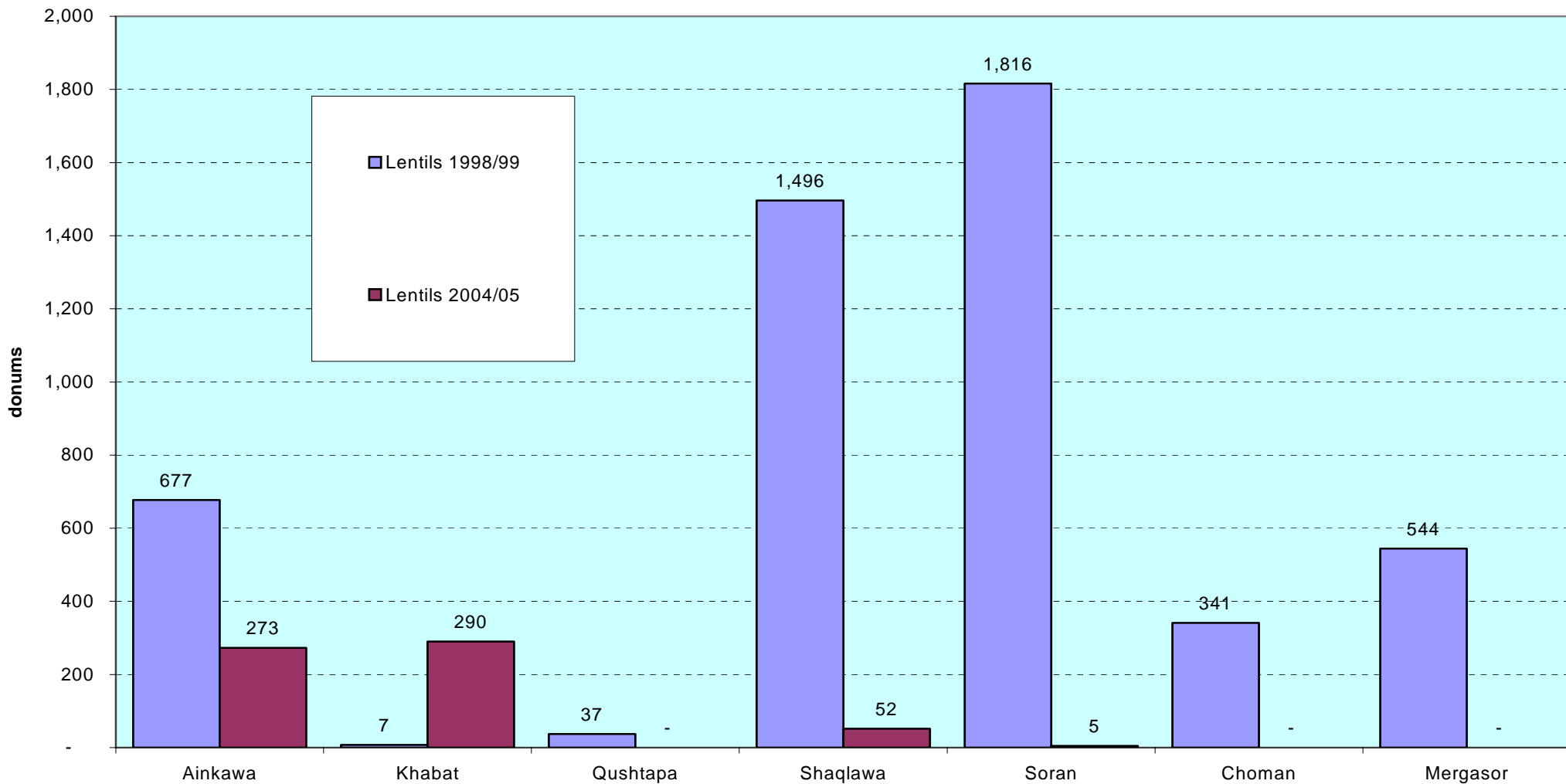
Figure6. Arbil. Area planted to Chickpeas, by district, 2004/05 and 1998/99. (donums)



**Table 5: Arbil. Estimates of Area planted to Lentils
in 2004/2005 and 1998/1999, by district. Donums**

District	Villages	Percent of area	Lentils 1998/99	Lentils 2004/05	Accuracy (+/-)	Coefficient of variation	Std error
Ainkawa	27	57%	677	273	154%	77.0%	210
Khabat	17	65%	7	290	206%	103.1%	299
Qushtapa	45	53%	37	-			-
Shaqlawa	26	15%	1,496	52	155%	77.7%	40
Soran	29	23%	1,816	5	200%	100.0%	5
Choman	14	28%	341	-		-	-
Mergasor	12	18%	544	-	0%		-
Sub-Total			4,918	620	119%	59.3%	368
Makhmor	43	29%		-			-
Total				620	119%	59.3%	368

Figure 7. Arbil. Area planted to Lentils in 2004/2005, by district. (donums)



**Table 6: Arbil. Estimates of Area planted to Winter Vegetables
in 2004/2005 and 1998/99, by district. (Donums)**

District	Villages	Percent of area	Winter Vegetables 1998/99	Vegetables 2004/05	Accuracy (+/-)	Coefficient of variation	Std error
Ainkawa	27	57%	3,036	2,354	173%	86.3%	2,031
Khabat	17	65%	2,060	0			-
Qushtapa	45	53%	5,112	275	202%	101.1%	278
Shaqława	26	15%	2,511	758	117%	58.7%	445
Soran	29	23%	2,727	0			-
Choman	14	28%	64	0		-	-
Mergasor	12	18%	40	0			-
Sub-Total			15,550	3,387	124%	61.9%	2,098
Makhmor	43	29%		0			-
Total				3,387	124%	61.9%	2,098

Figure 8. Arbil. Area planted to winter vegetables, by district, in 2004/2005 and 1998/1999. (donums)

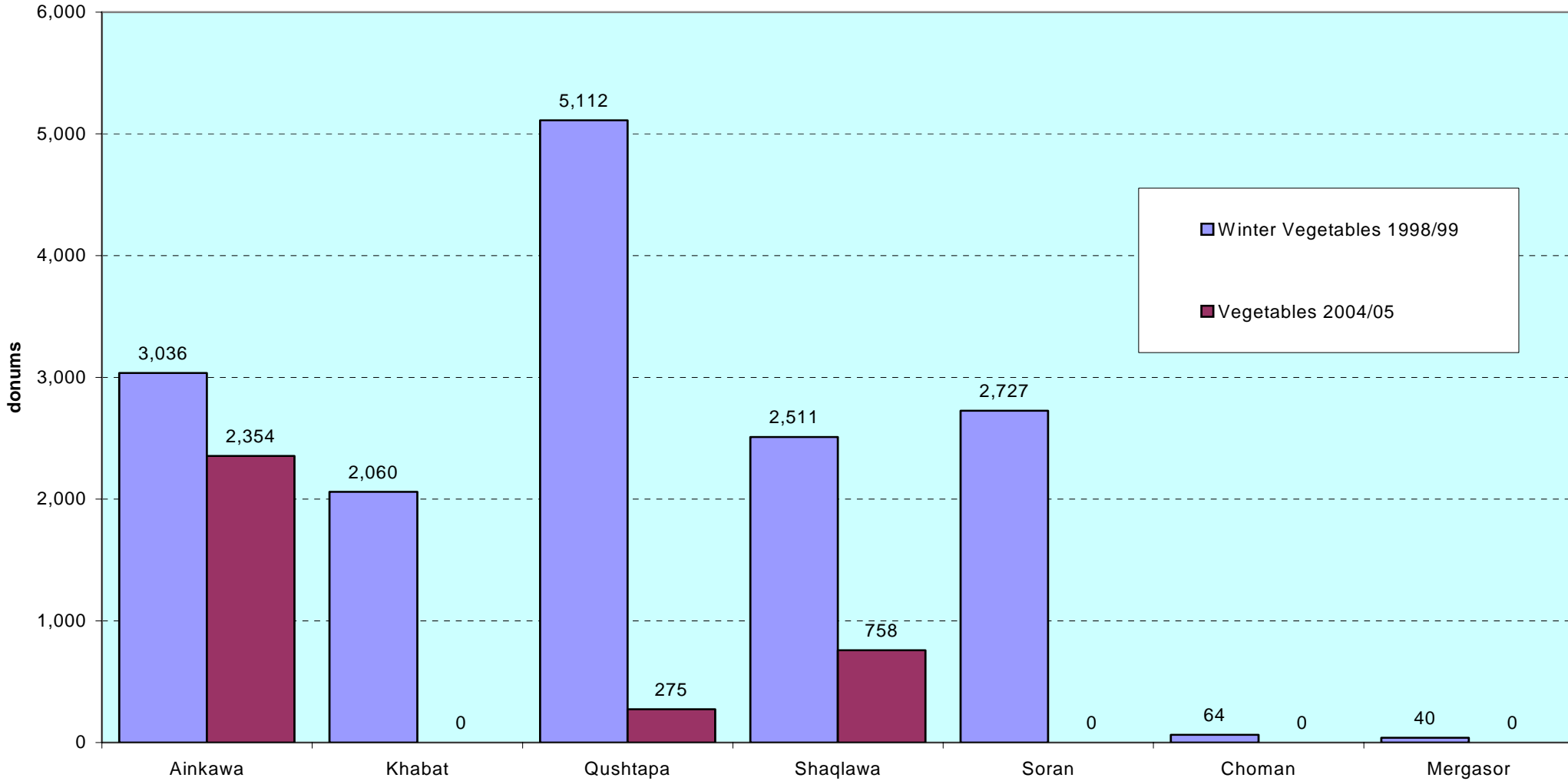


Table 7: Arbil. Estimate of Area in winter fallow, by district, in 2004/2005 and 1998/99. (Donums)

District	Villages	Percent of area	Fallow 1998/99	Fallow 2004/05	Accuracy (+/-)	Coefficient of variation	Std error
Ainkawa	27	57%	48,009	15,533	45%	23%	3,533
Khabat	17	65%	43,314	14,310			5,212
Qushtapa	45	53%	106,694	43,312	32%	16%	6,855
Shaqlawa	26	15%	89,328	64,225	47%	24%	15,232
Soran	29	23%	48,742	22,076			5,935
Choman	14	28%	15,068	2,092		-	476
Mergasor	12	18%	48,012	8,718			1,474
Sub-Total			399,167	170,266	22%	11%	18,875
Makhmor	43	0.29	150,412	26,489	62%	31%	8,254
Total			549,579	196,754	21%	10%	20,601

Figure 9. Arbil. Area in winter fallow, by ditrict, in 2004/05 and 1198/1999

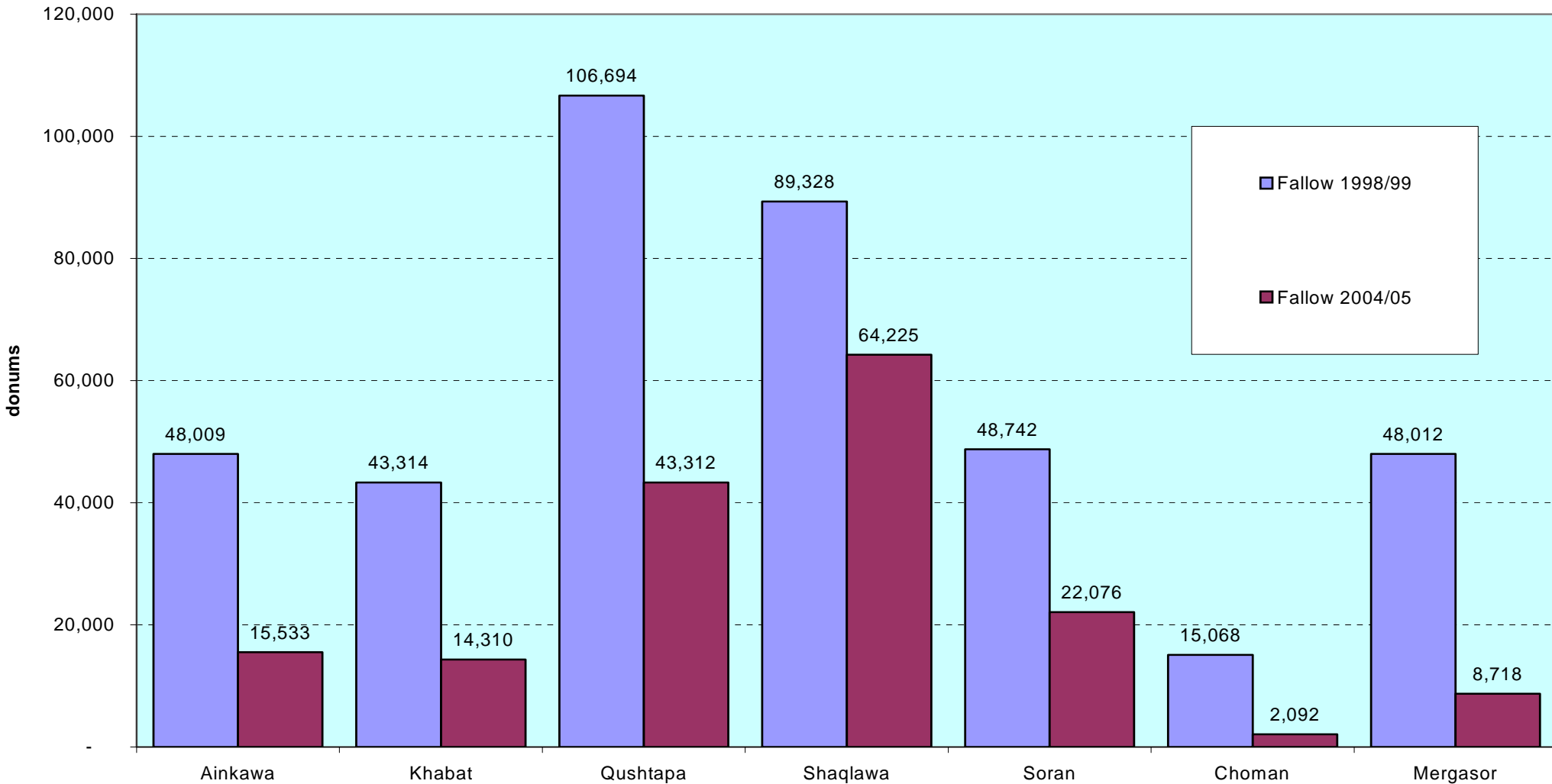


Figure 10. Arbil. Ara planted to crops and in winter fallow, by district. 2004/2005

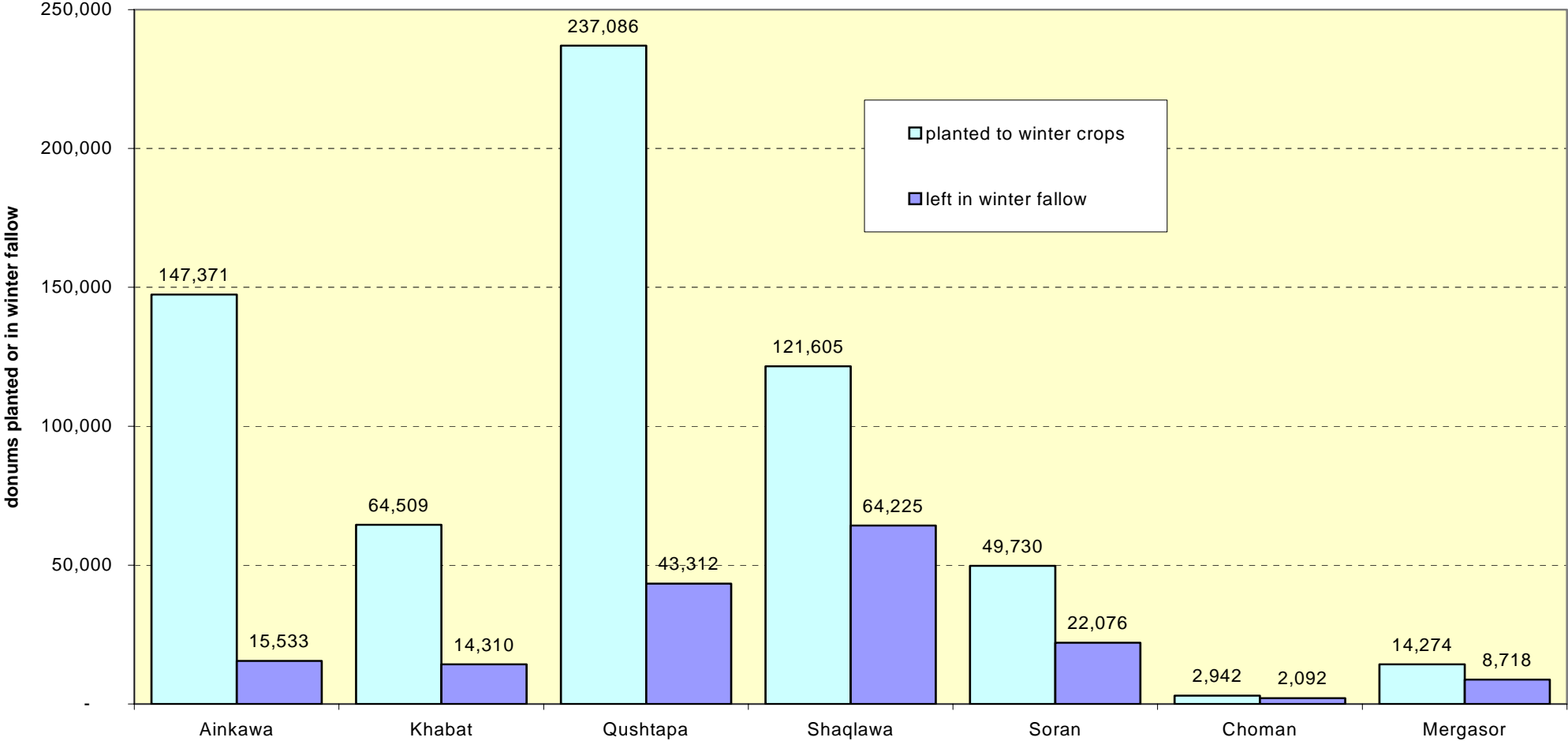


Figure 11. Arbil. Area planted to winter crops and left fallow, by district. 2004/2005

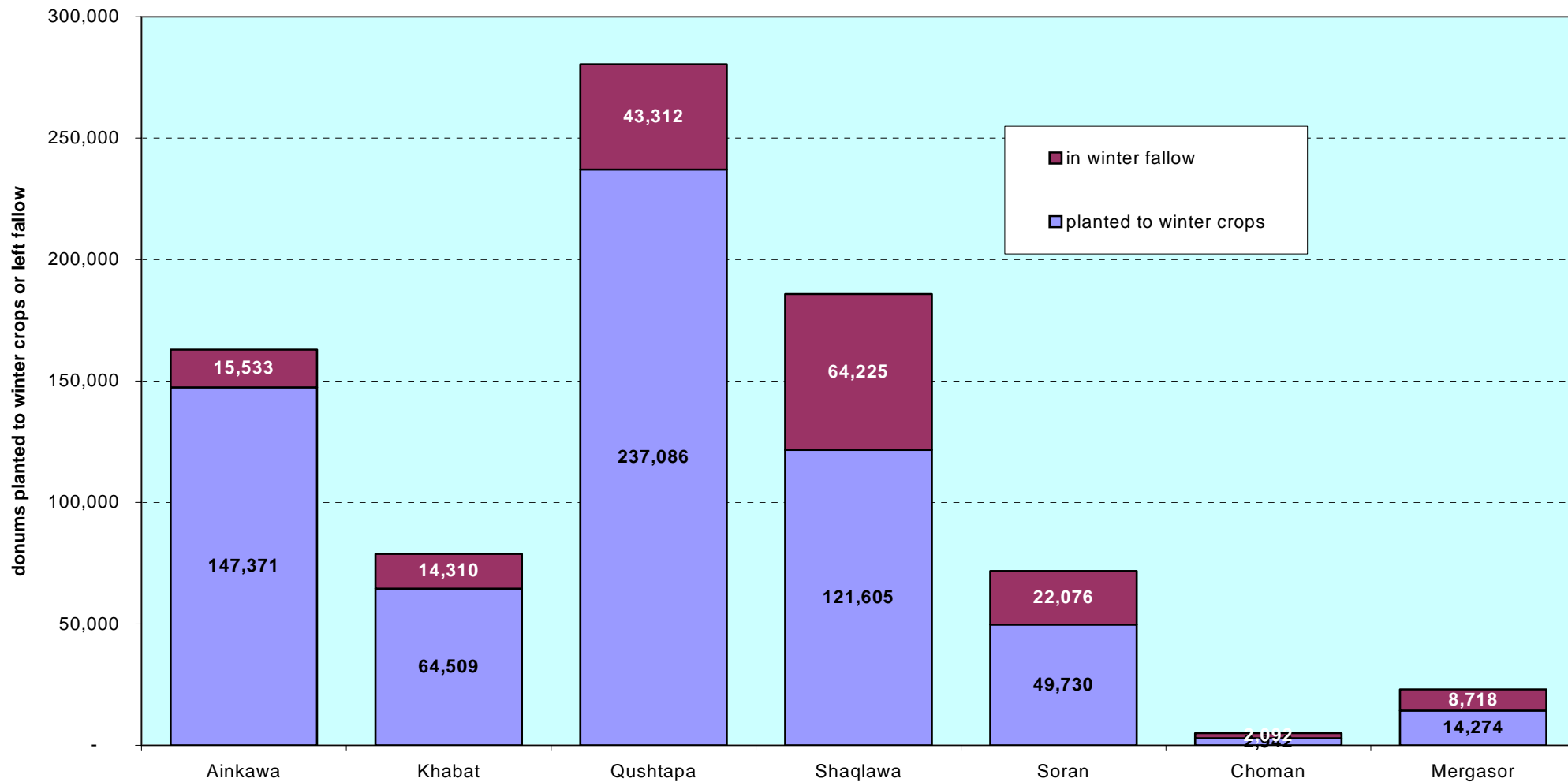


Table 8: Arbil. Estimate of area planed for summer crops, by district, in 2004/2005 and 1998/99. (Donums)

District	Villages	Percent of area	Summer 1998/1999	Summer 2004/2005	Accuracy (+/-)	Coefficient of variation	Standard error
Ainkawa	27	57%	13,353	8,784	48%	24%	2,102
Khabat	17	65%	7,442	1,968	77%	39%	763
Qushtapa	46	53%	11,936	6,165	44%	22%	1,369
Shaqlawa	26	15%	14,914	13,786	66%	33%	4,527
Soran	32	23%	19,472	1,610	61%	30%	491
Choman	14	28%	8,137	113	149%	74%	84
Mergasor	12	18%	1,478	1,916	95%	47%	906
Sub-Total			76,732	34,342	31%	16%	5,332
Makhmor	45	29%		9,675	98%	49%	4,758
Total				44,017	32%	16%	7,147

**Table 9: Arbil. Estimate of arable land, by district,
in 2004/2005 and 1998/99. (Donums)**

District	Villages	Percent of area	Arable land 1998/1999	Arable land 2004/2005	Accuracy (+/-)	Coefficient of variation	Standard error
Ainkawa	27	57%	228,326	172,485	22%	11%	19,116
Khabat	17	65%	148,266	80,790	44%	22%	17,873
Qushtapa	46	53%	393,040	286,338	11%	5%	15,544
Shaqlawa	26	15%	260,252	199,515	14%	7%	13,647
Soran	32	23%	128,233	73,458	34%	17%	12,454
Choman	14	28%	41,087	4,727	56%	28%	1,330
Mergasor	12	18%	72,746	24,995	37%	18%	4,594
Sub-Total			1,271,950	842,307	9%	4%	35,927
Makhmor	45	29%		932,315	17%	8%	78,603
Total				1,774,623	10%	5%	86,424

Figure 12. Arbil. Arable land by district, 2004/2005 and 1998/1999

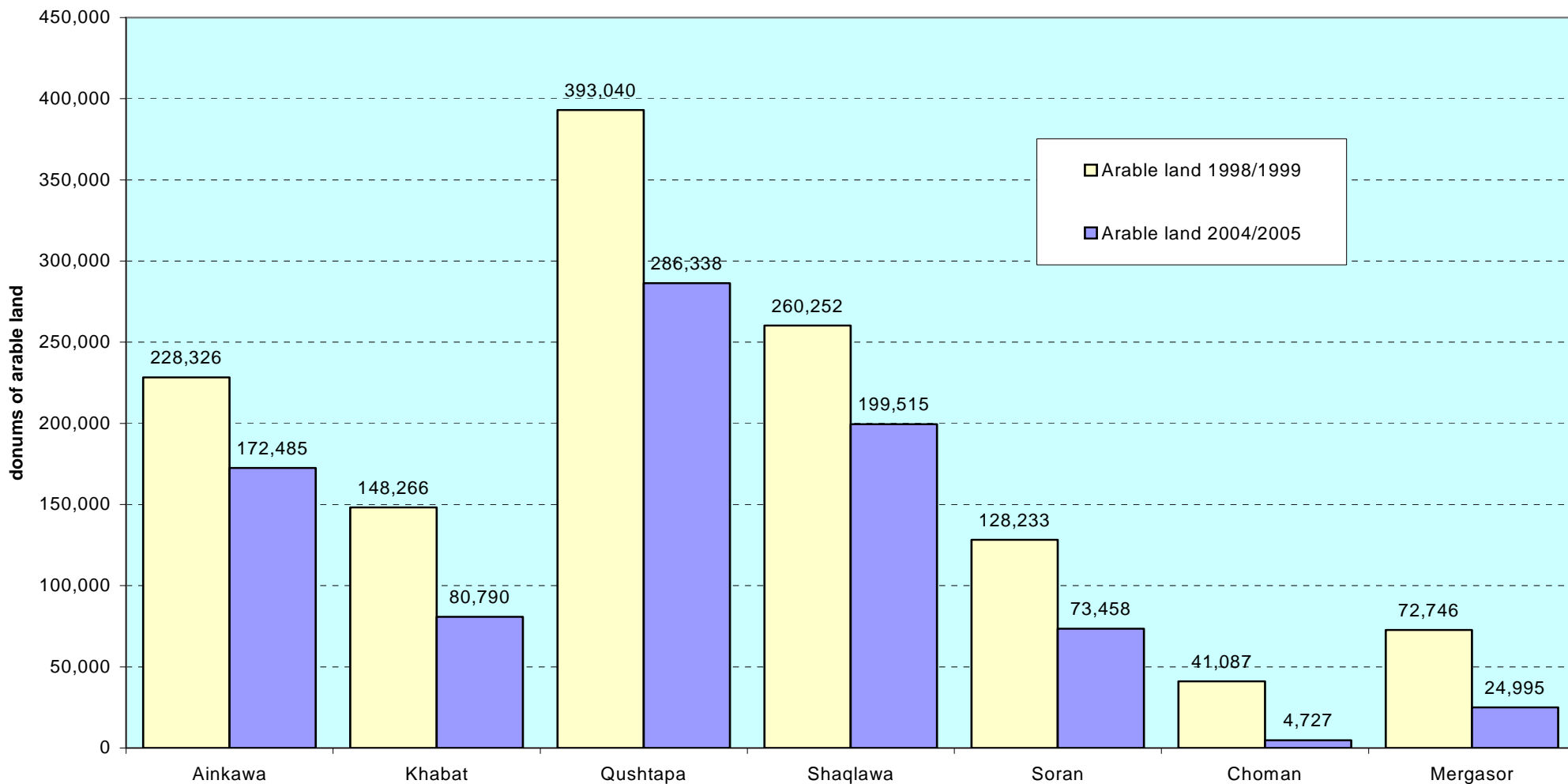


Figure 13-a: Erbil Center District. Distribution of farms by area of arable land.

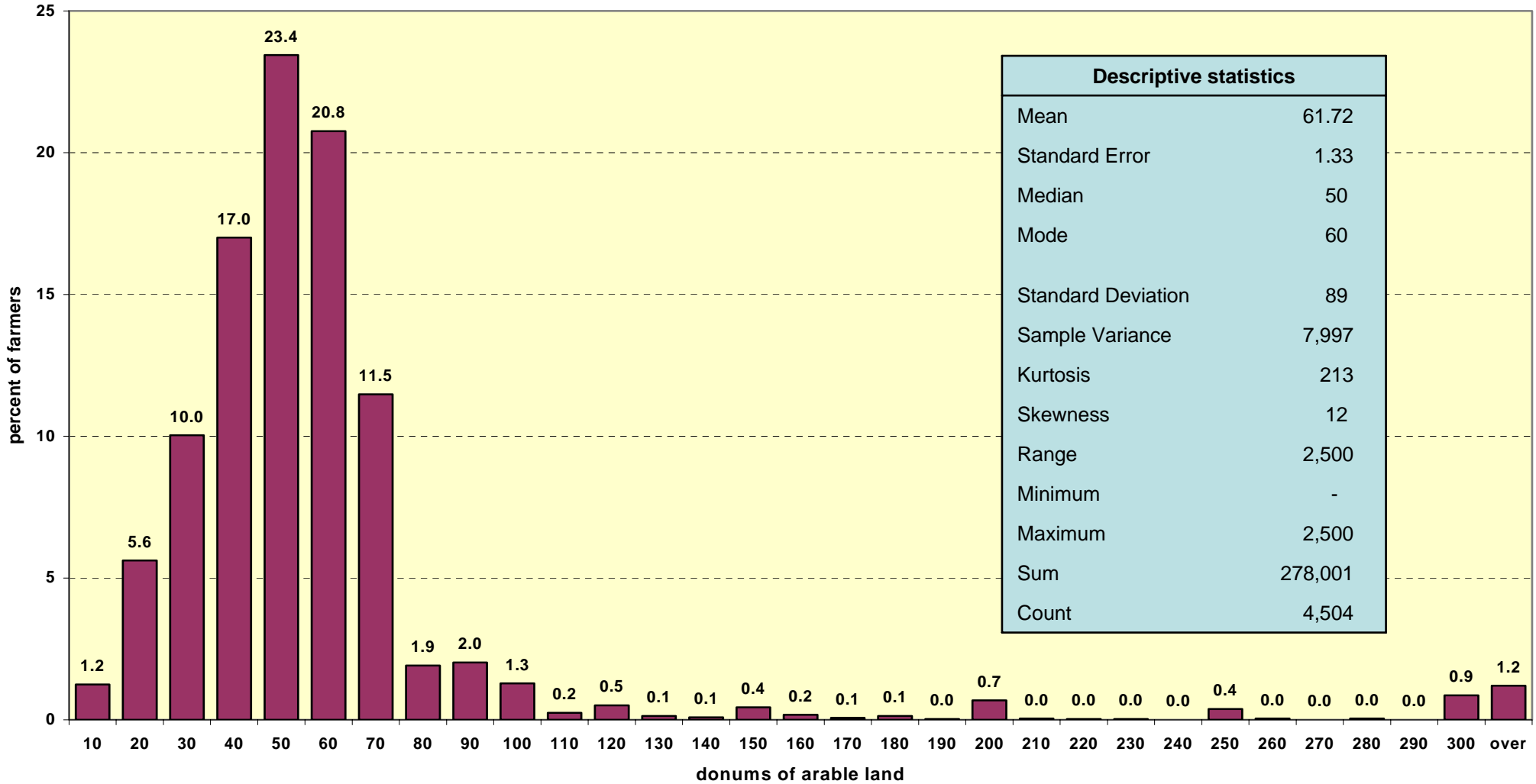


Figure 13-b. Distribution of Arbil Center District farmers by farm size

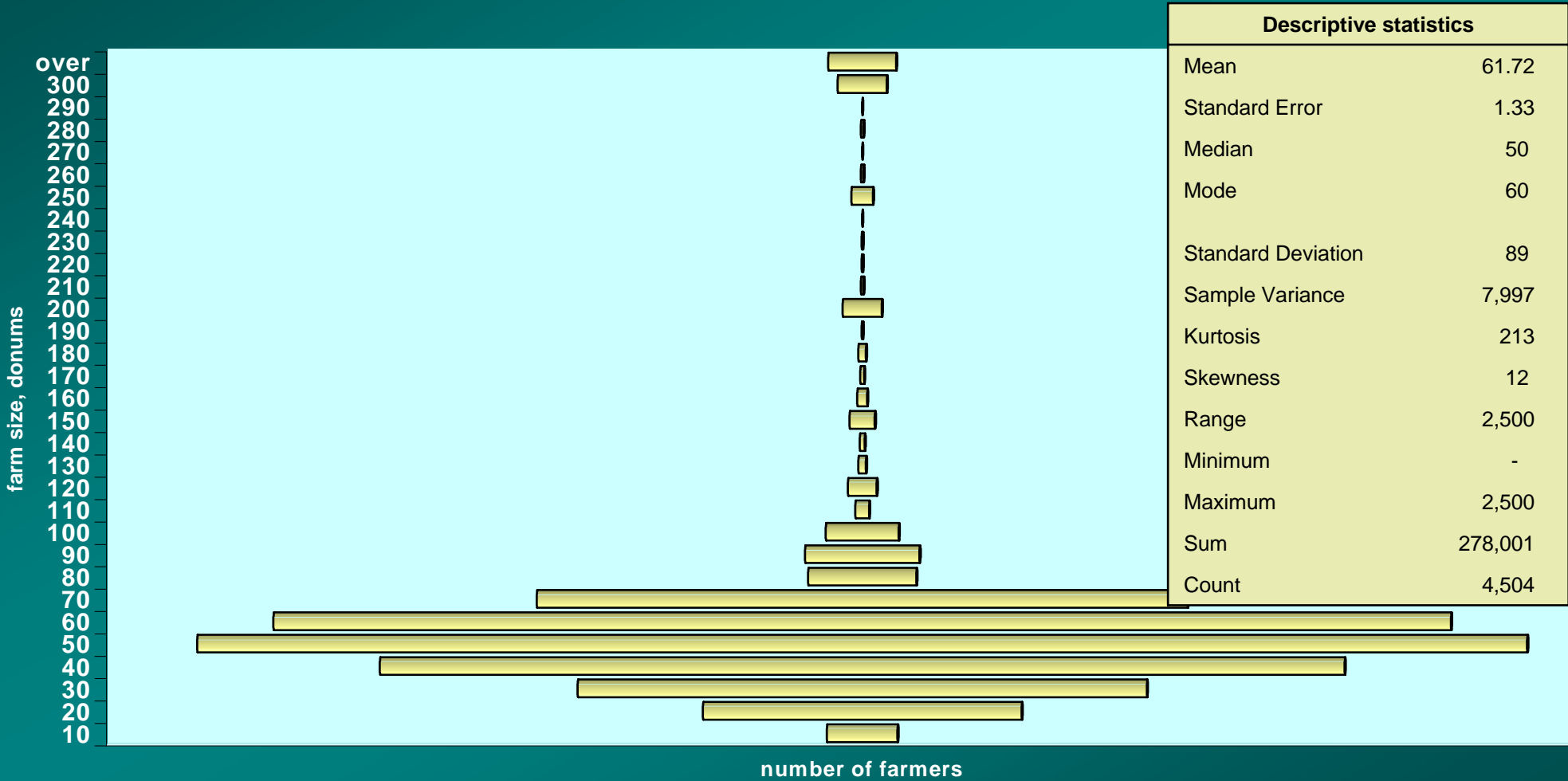


Figure 14. Distribution of farms by size, Ainkawa Subdistrict, Arbil. 2004/2005

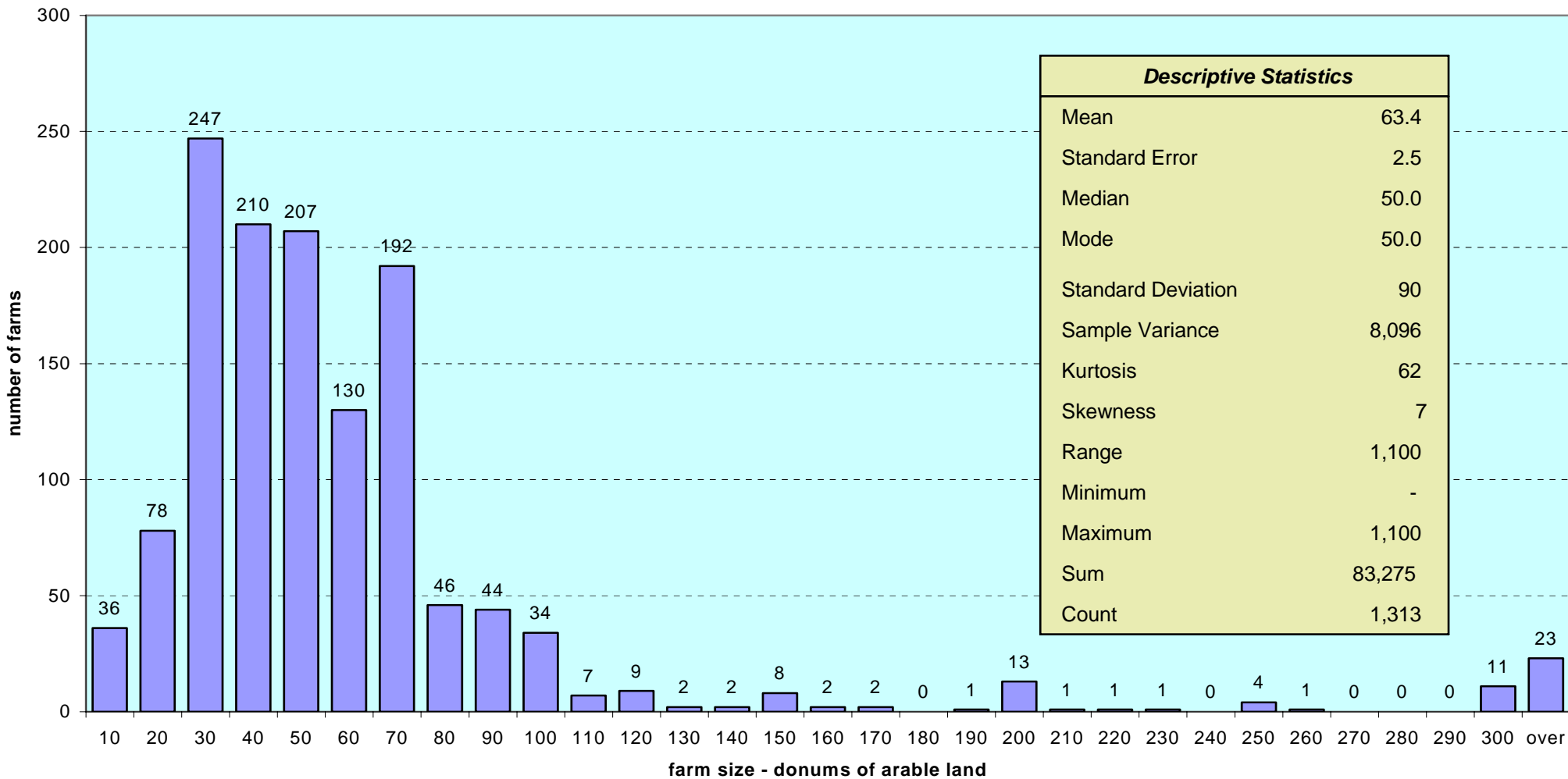


Figure 15. Distribution of farms by size in Khabat sub-district, Arbil. 2004/2005

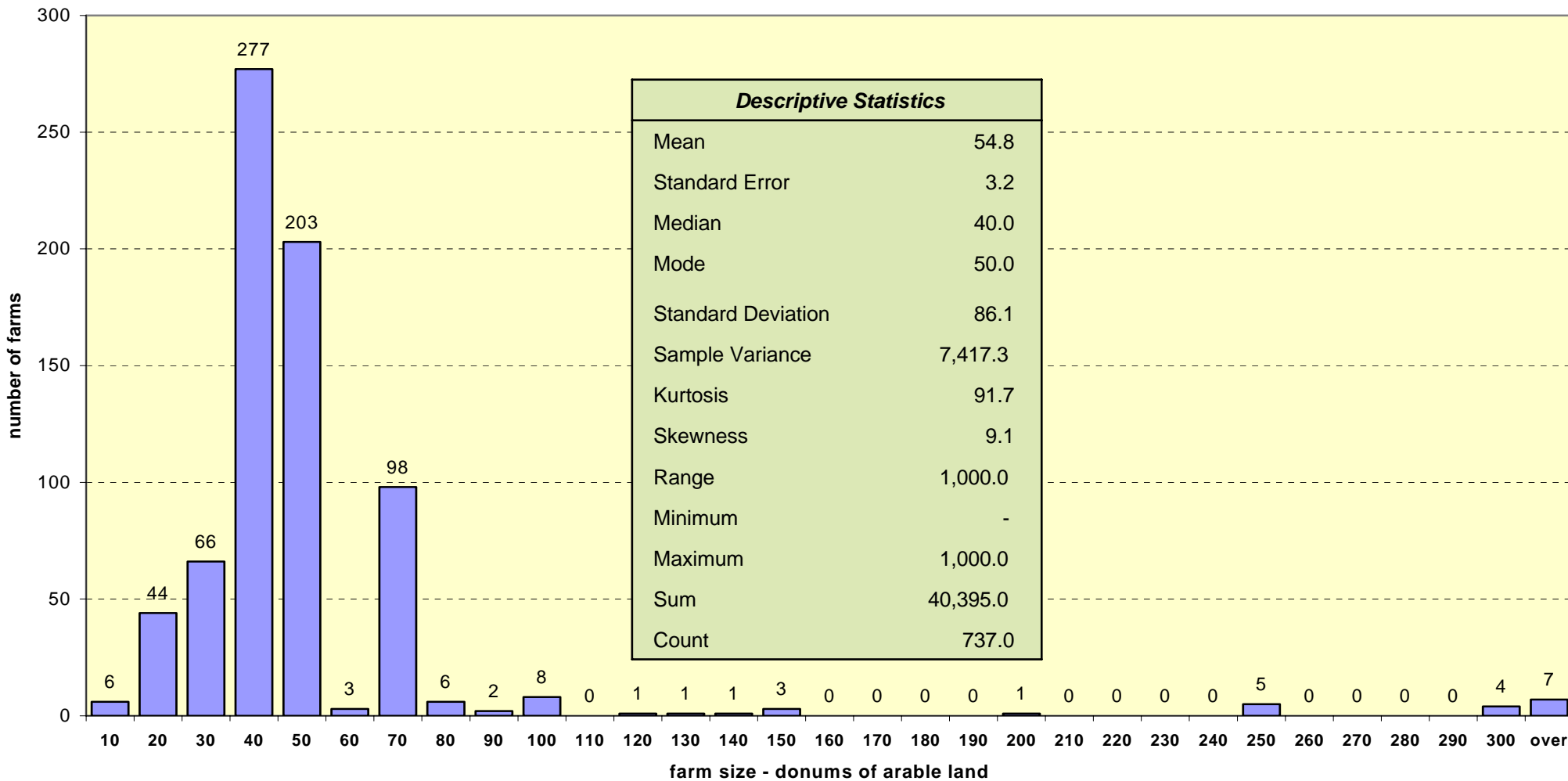


Figure 16. Distribution of farms by size, Qushtapa sub-district, Arbil. 2004/2005

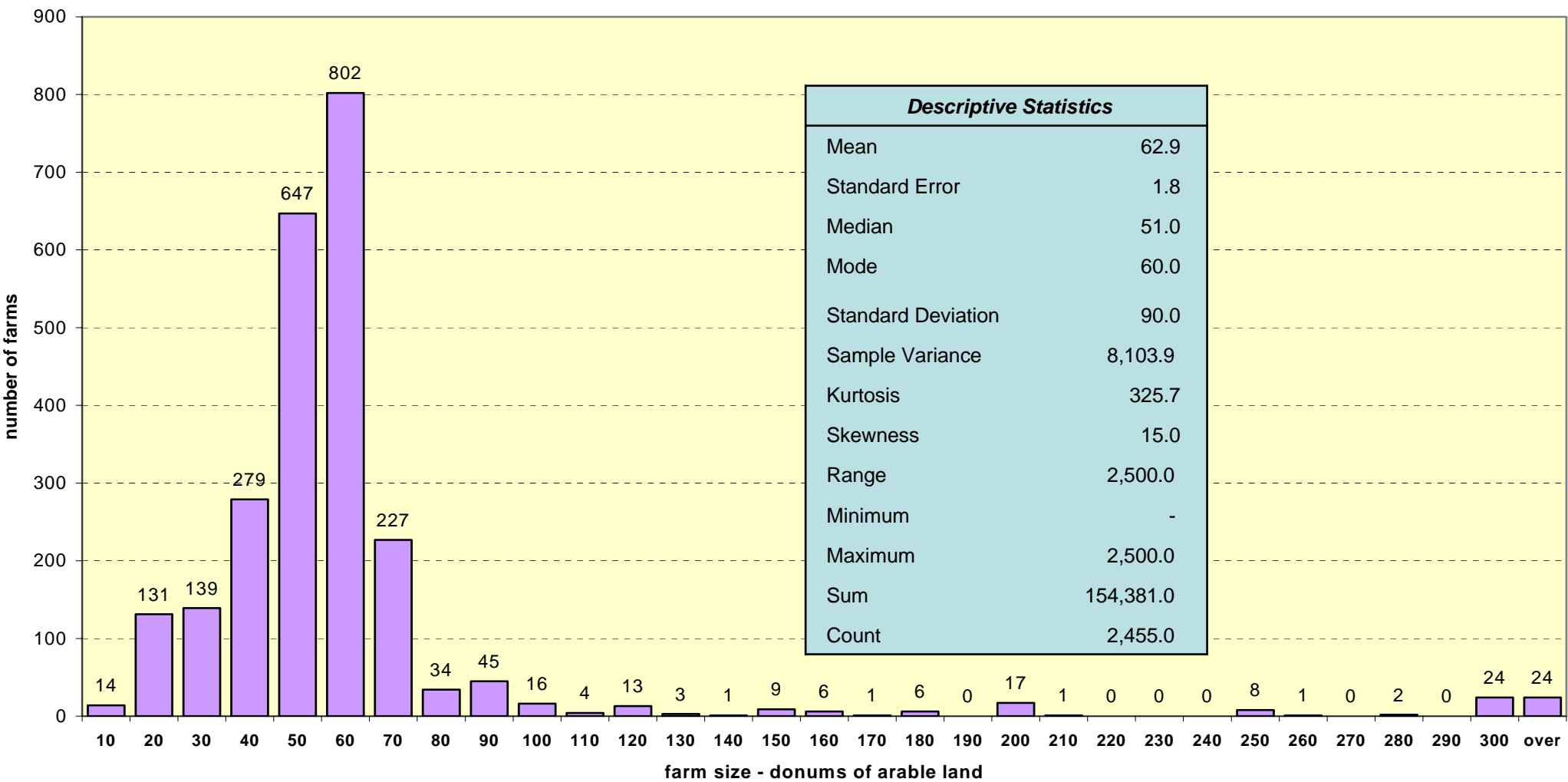


Figure 17. Shaqlawa District. Distribution of farms by area of arable land

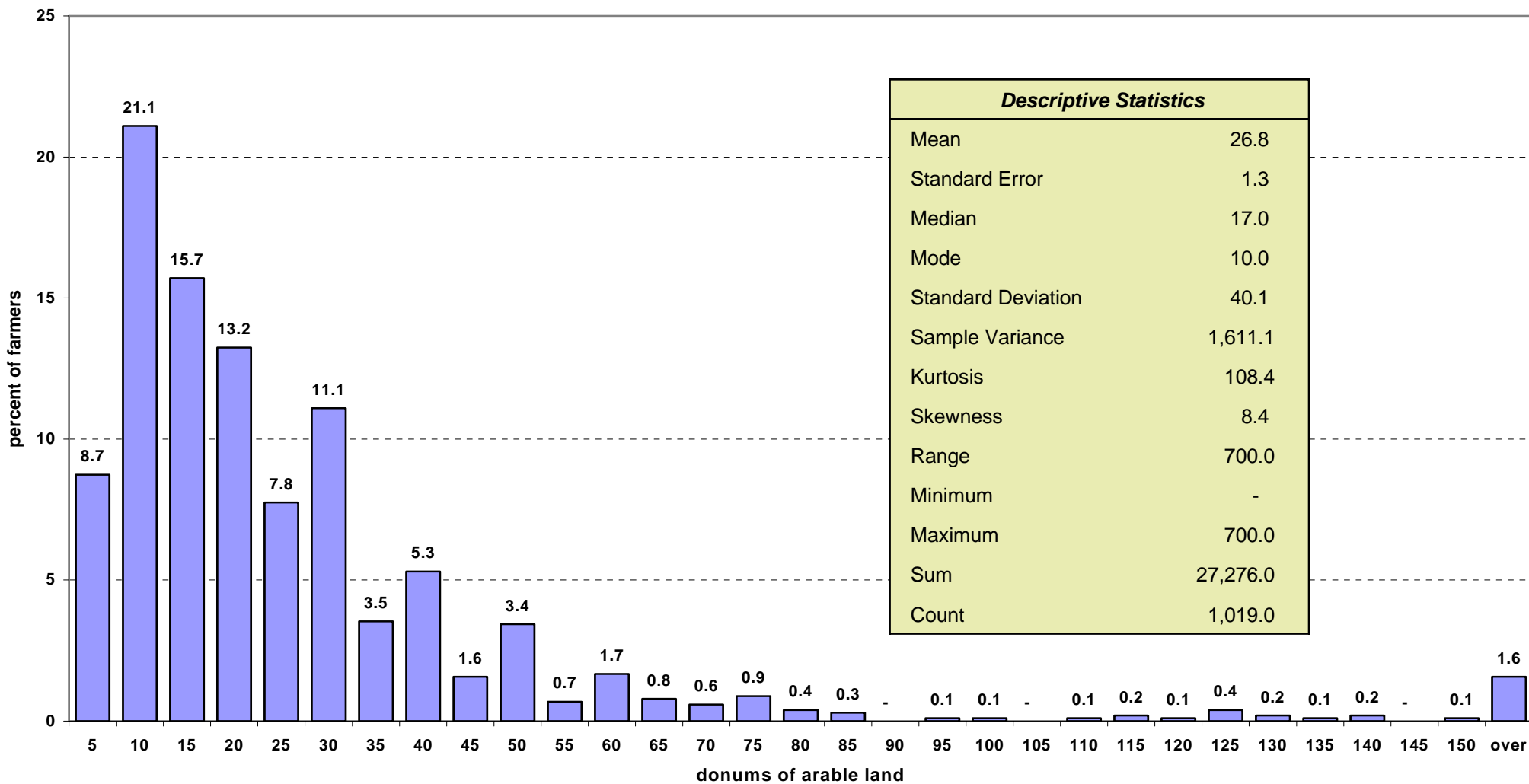


Figure 18. Soran District, Arbil. Distribution of farms by size (area of arable land)

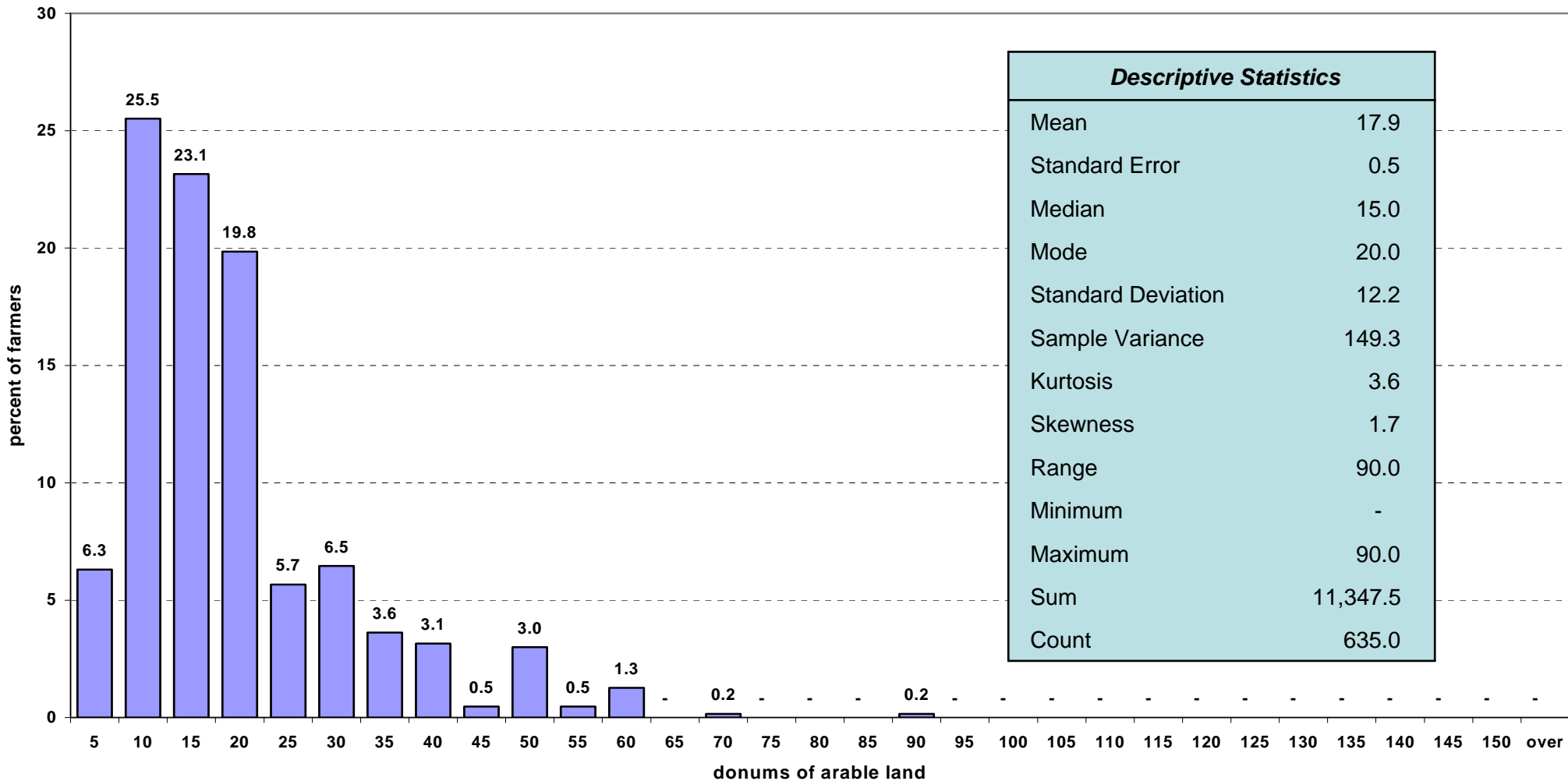


Figure 19. Choman District, Arbil. Distribution of farms by size (area of arable land)

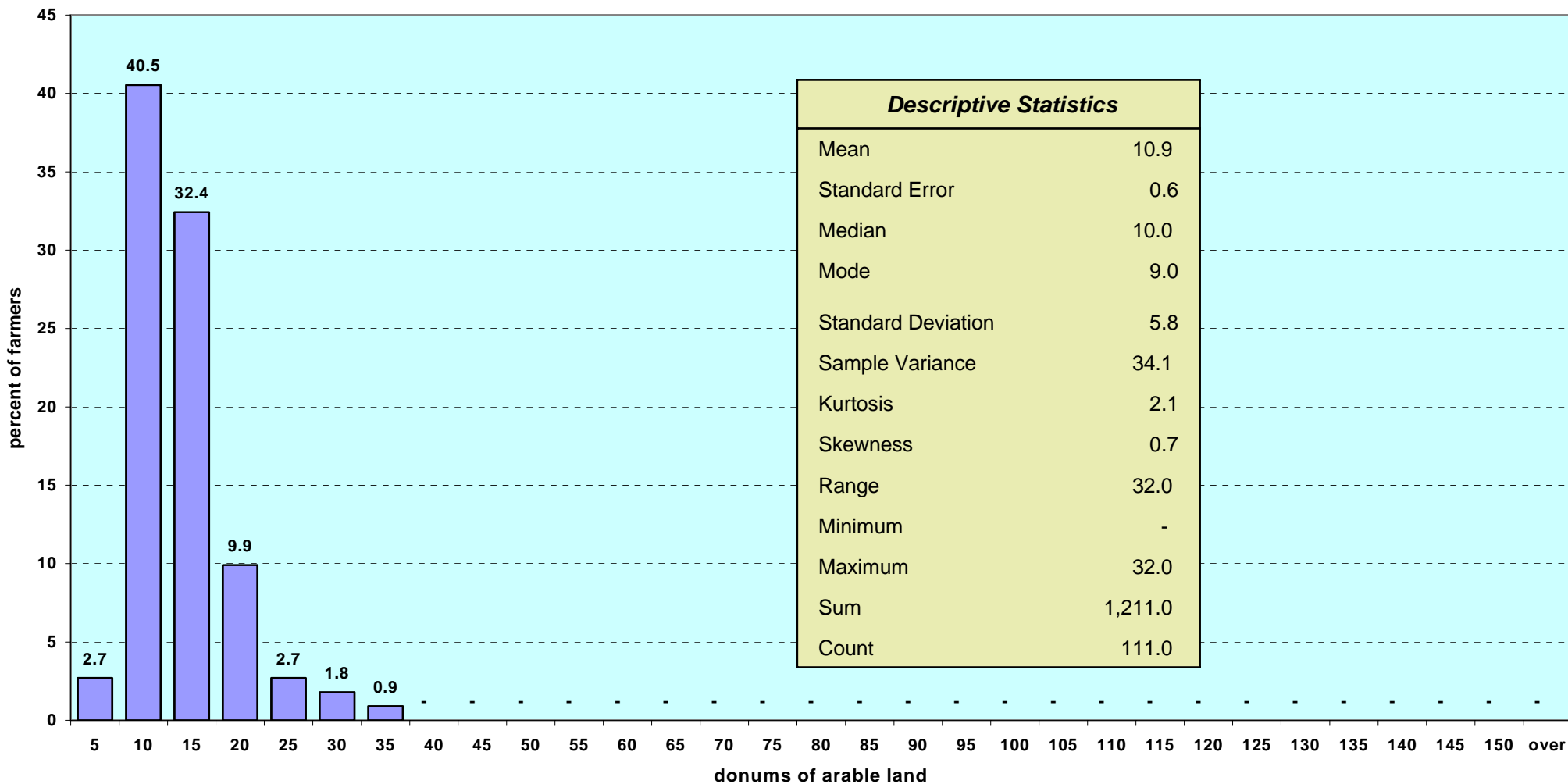


Figure 20. Mergasor District. Distributiion of farms by area of arable land

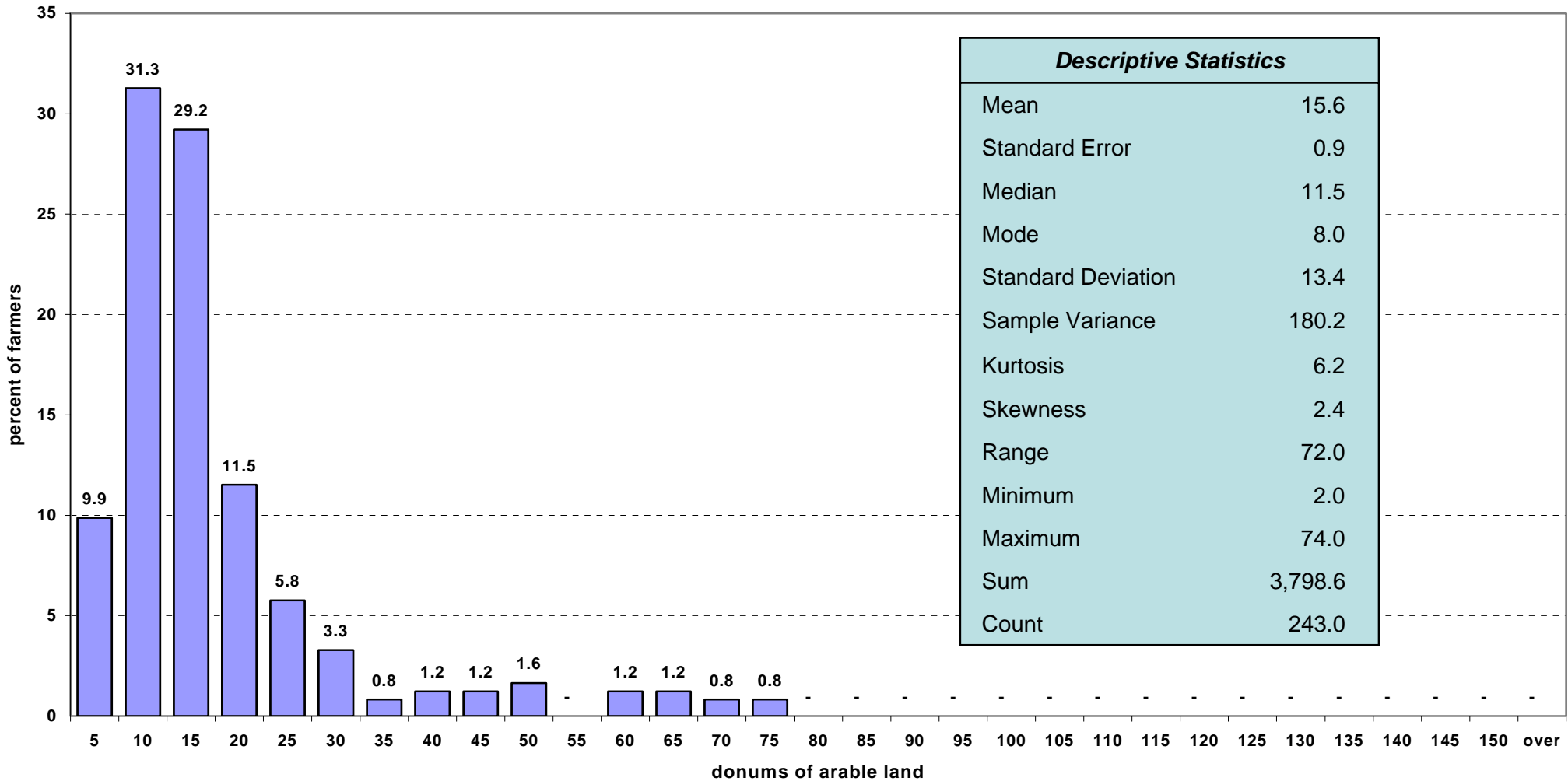


Figure 21. Makhmur District, Arbil. Distribution of farms by size (area of arable land)

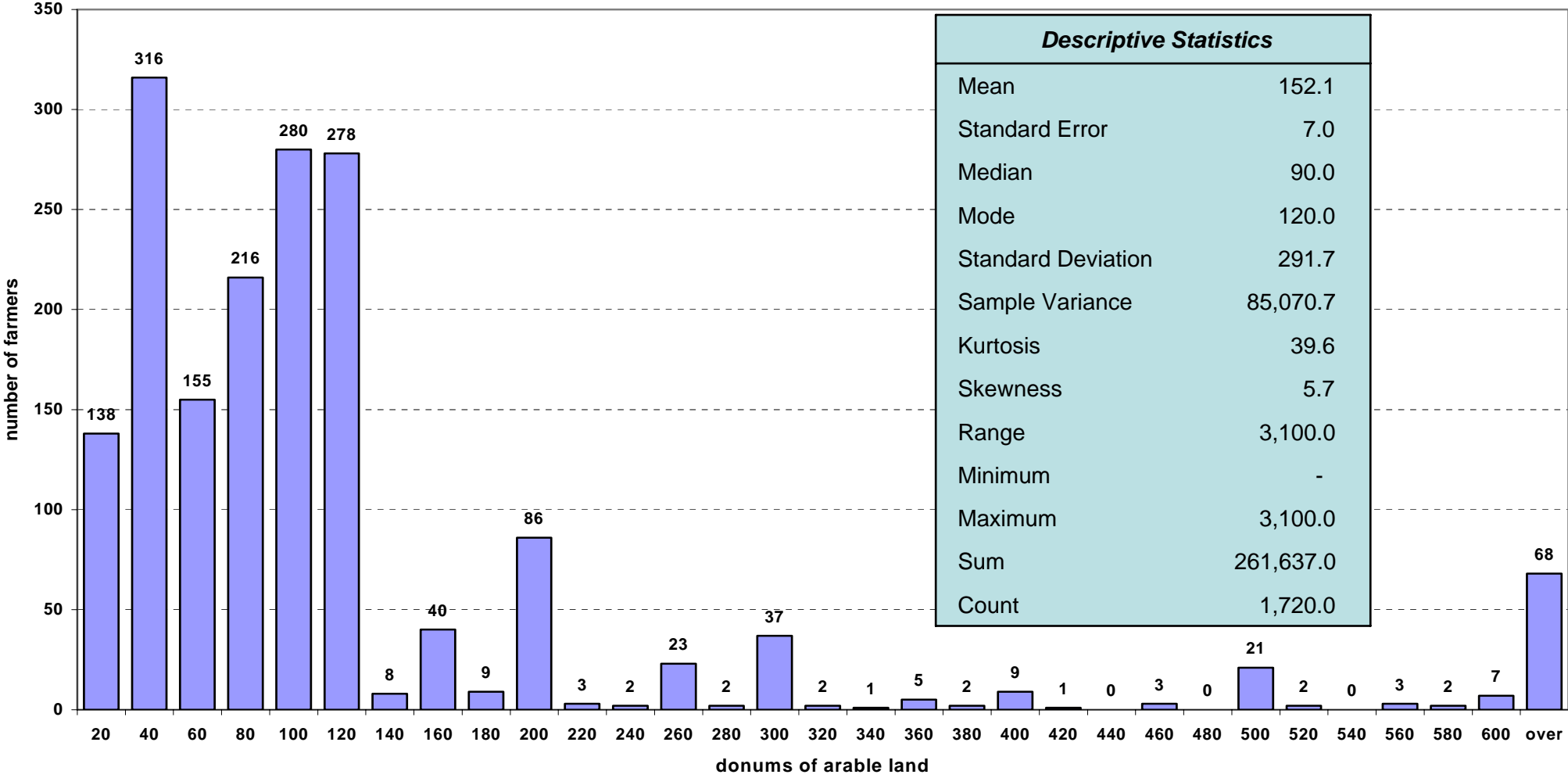


Figure 22. Average and median farm size in Arbil, by district. 2004/2005

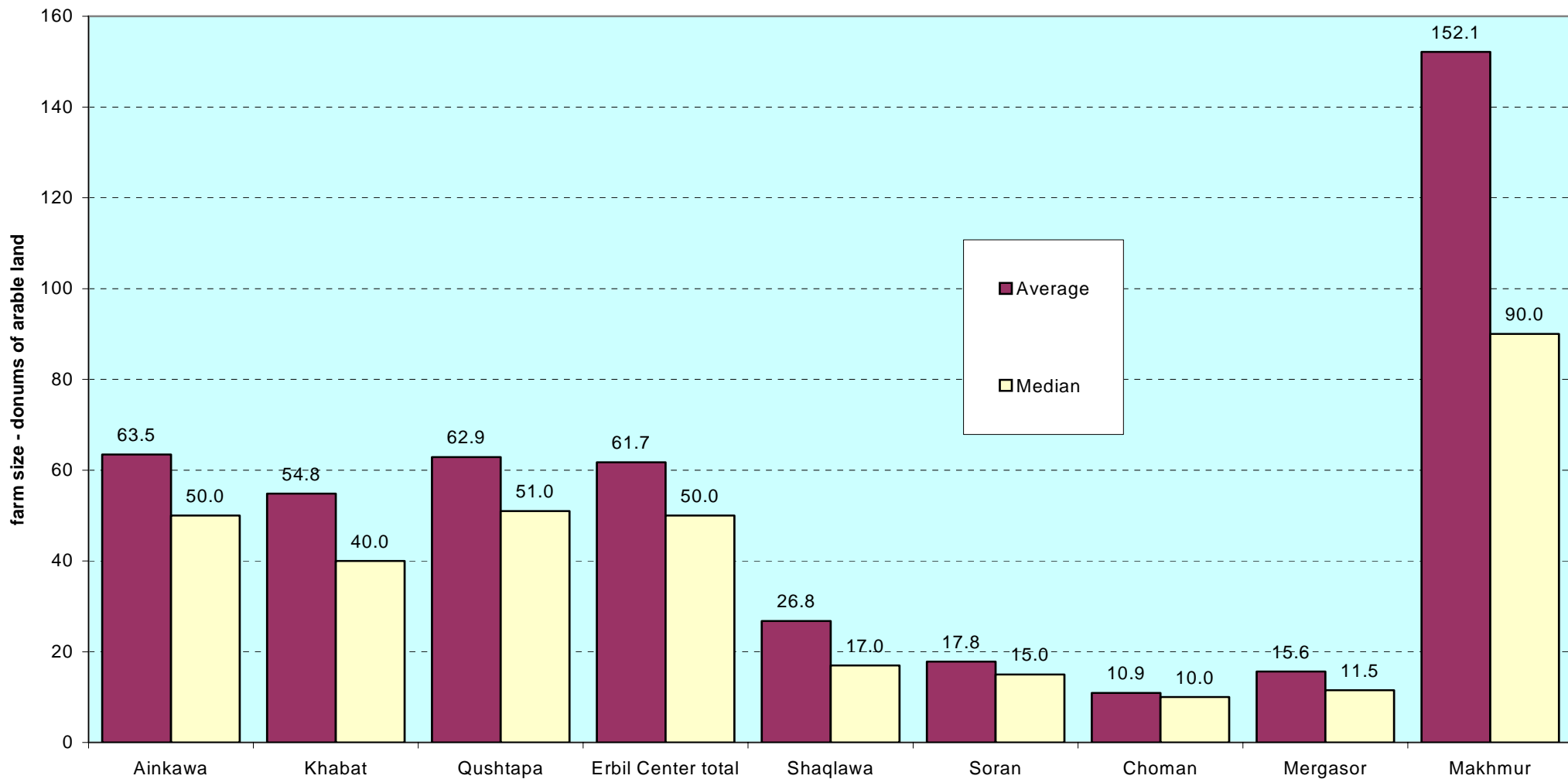


Table 10. Average and median farm size in Arbil, by district. 2004/2005

(donums of arable land)

District	No. of farmers	Average size (donums)	Median Size (donums)	Standard Deviation (donums)	Standard error of mean (donums)
Ainkawa	1,312	63.5	50.0	90.0	2.5
Khabat	737	54.8	40.0	86.1	3.2
Qushtapa	2,455	62.9	51.0	90.0	1.8
Erbil Center total	4,504	61.7	50.0	89.4	1.3
Shaqlawa	1,019	26.8	17.0	40.1	1.3
Soran	634	17.8	15.0	12.2	0.5
Choman	111	10.9	10.0	5.8	0.6
Mergasor	243	15.6	11.5	13.4	0.9
Makhmur	1,720	152.1	90.0	291.7	7.0

Figure 23-a. Distribution of farms by size in Arbil Governorate, by district. 2004/2005

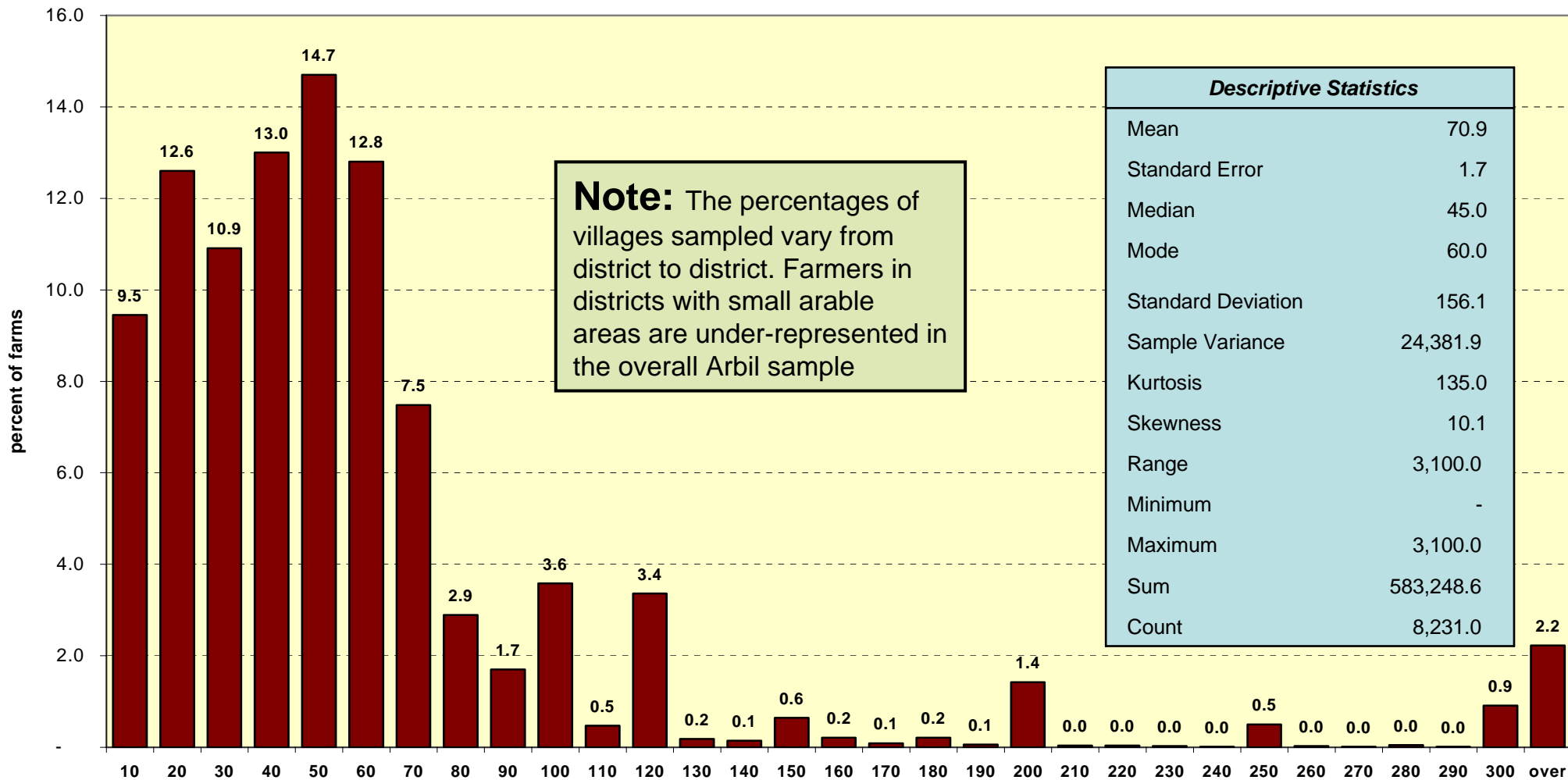


Figure 23-b. Distribution of farms by size in Arbil Governorate, 2004/2005

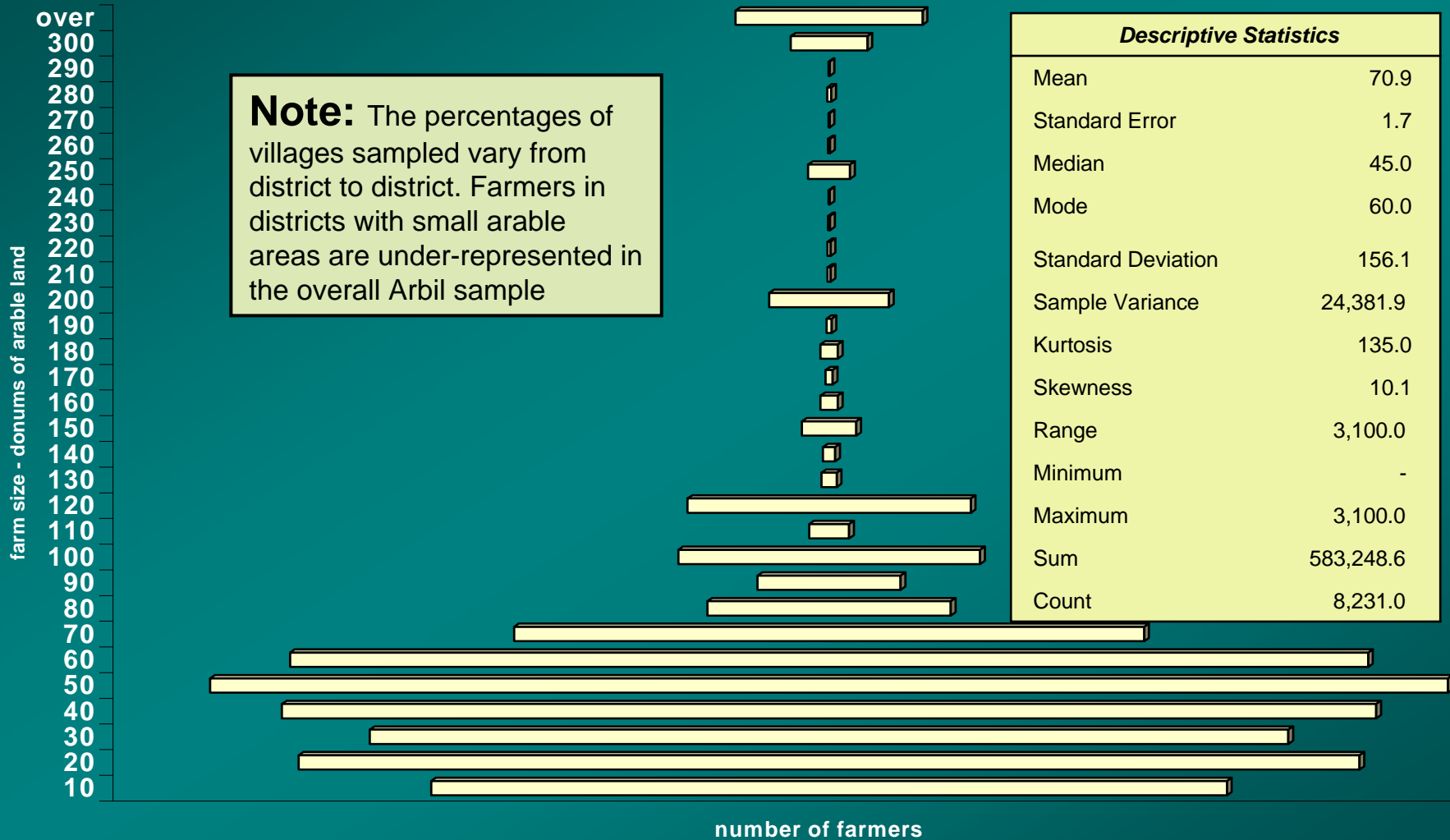
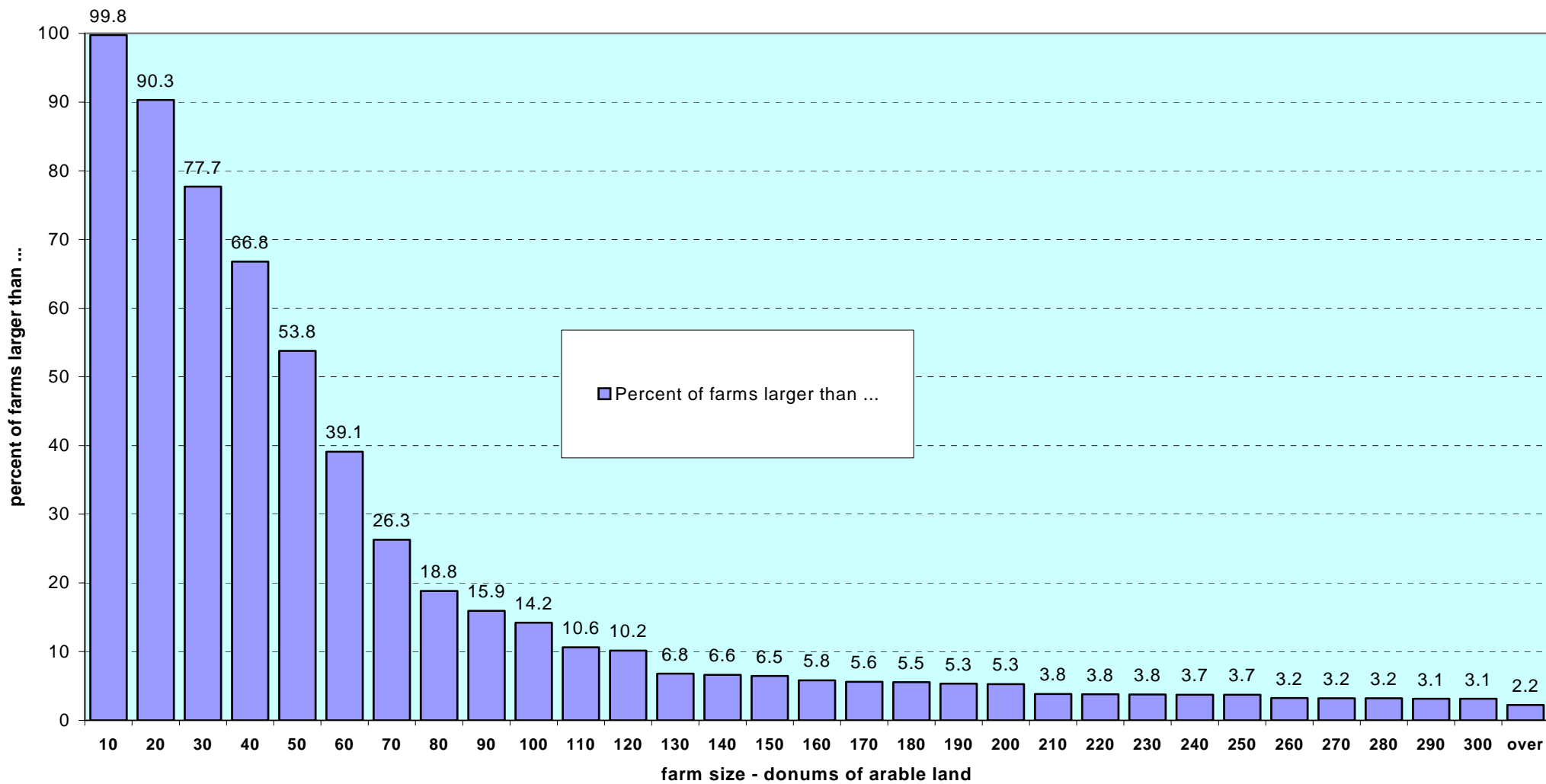


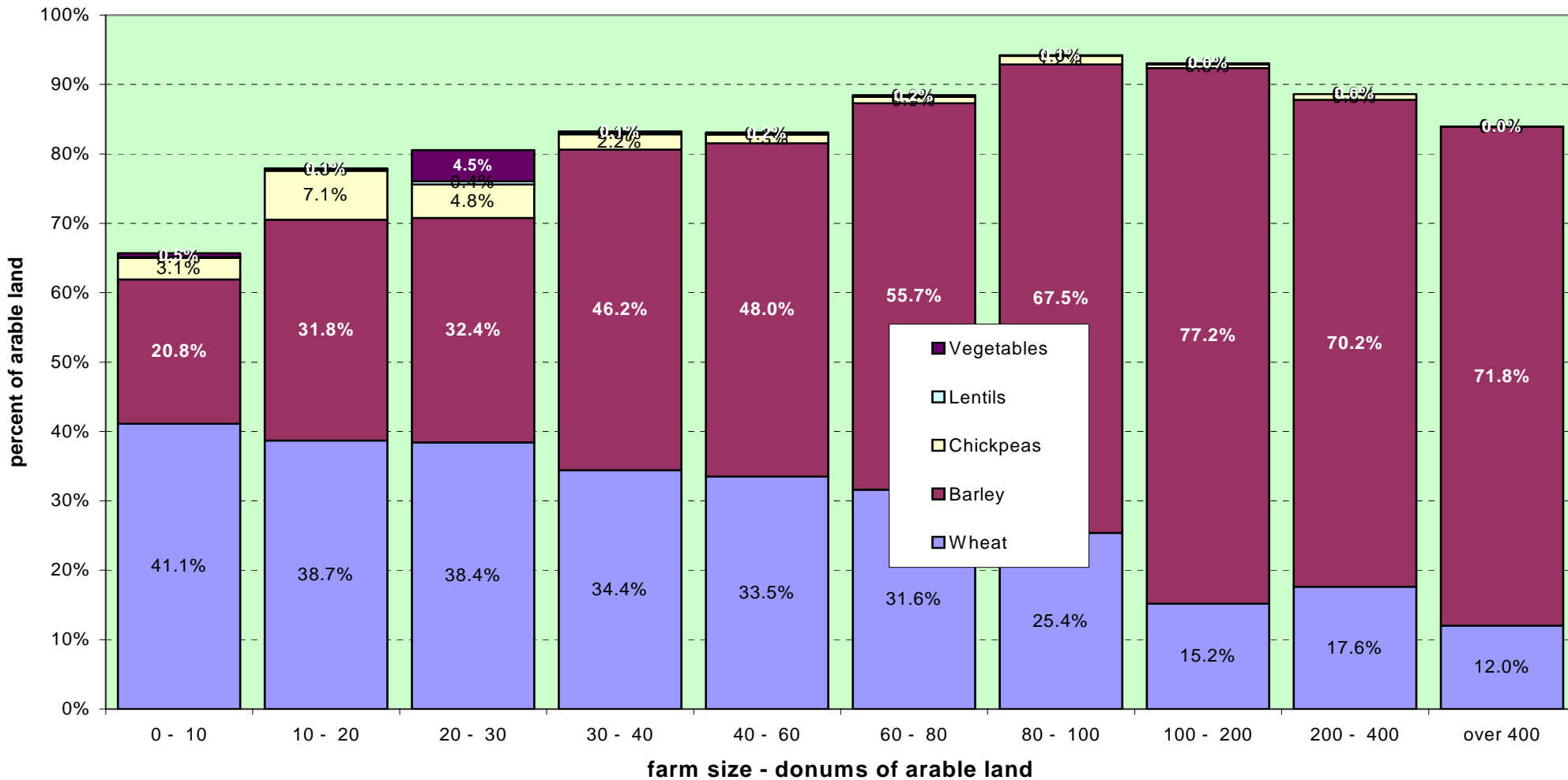
Figure 24. Arbil Governorate. Percent of farms larger than a given size.



**Table 11. Arbil Governorate. Percent of arable land planted
to main winter crops, by farm size. 2004/2005**

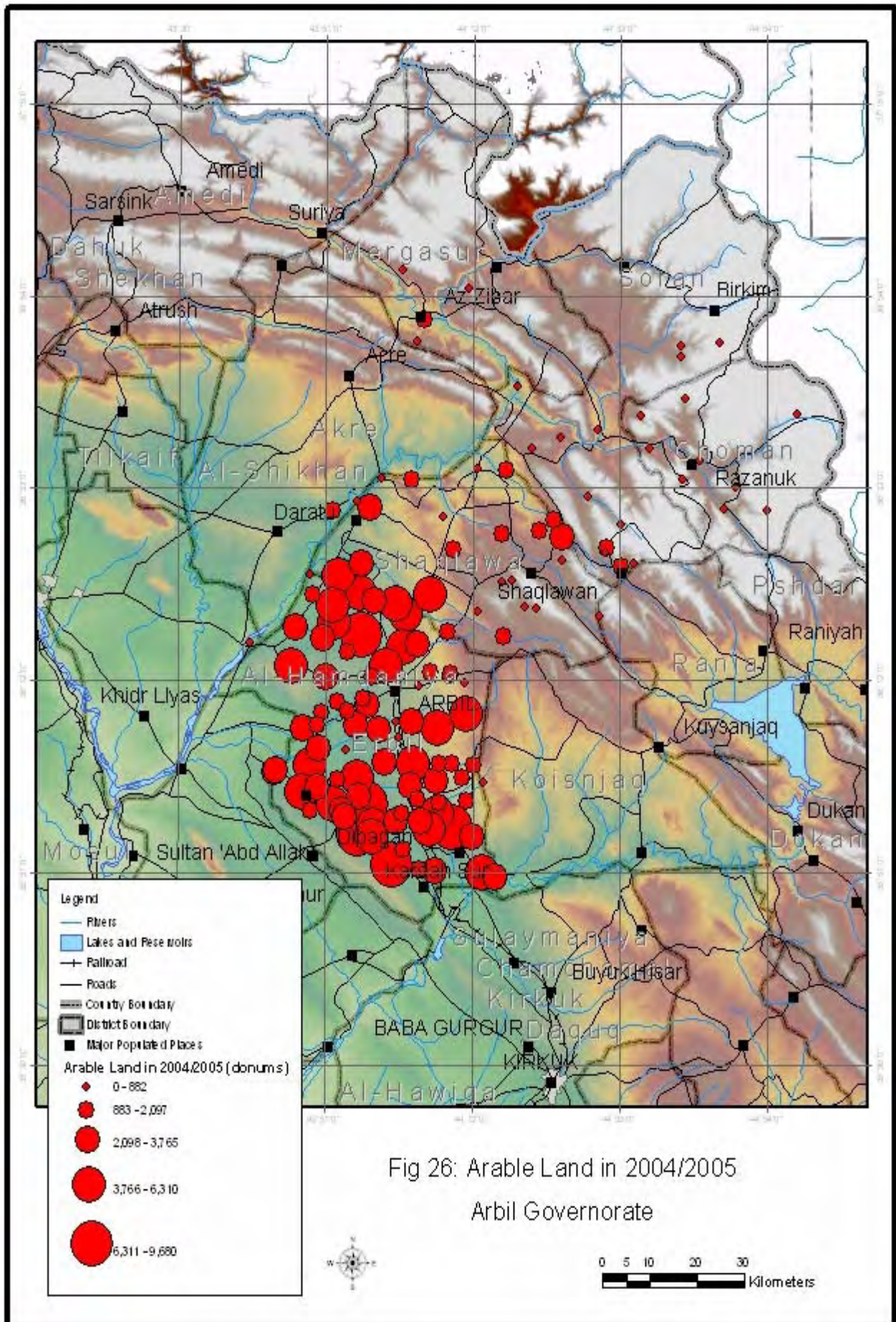
Farm size	Wheat	Barley	Chickpeas	Lentils	Vegetables	Winter fallow	Summer crops
0 - 10	41.1%	20.8%	3.1%	0.1%	0.5%	28.9%	10.8%
10 - 20	38.7%	31.8%	7.1%	0.3%	0.1%	17.0%	6.7%
20 - 30	38.4%	32.4%	4.8%	0.4%	4.5%	13.6%	6.1%
30 - 40	34.4%	46.2%	2.2%	0.3%	0.1%	11.9%	4.7%
40 - 60	33.5%	48.0%	1.3%	0.1%	0.2%	13.4%	3.5%
60 - 80	31.6%	55.7%	0.9%	0.0%	0.2%	9.0%	2.6%
80 - 100	25.4%	67.5%	1.2%	0.0%	0.1%	3.4%	2.2%
100 - 200	15.2%	77.2%	0.5%	0.2%	0.0%	6.1%	1.2%
200 - 400	17.6%	70.2%	0.8%	0.0%	0.0%	10.3%	0.8%
over 400	12.0%	71.8%	0.1%	0.0%	0.0%	9.7%	0.7%
All farms	23.0%	62.2%	1.0%	0.1%	0.2%	9.9%	2.2%

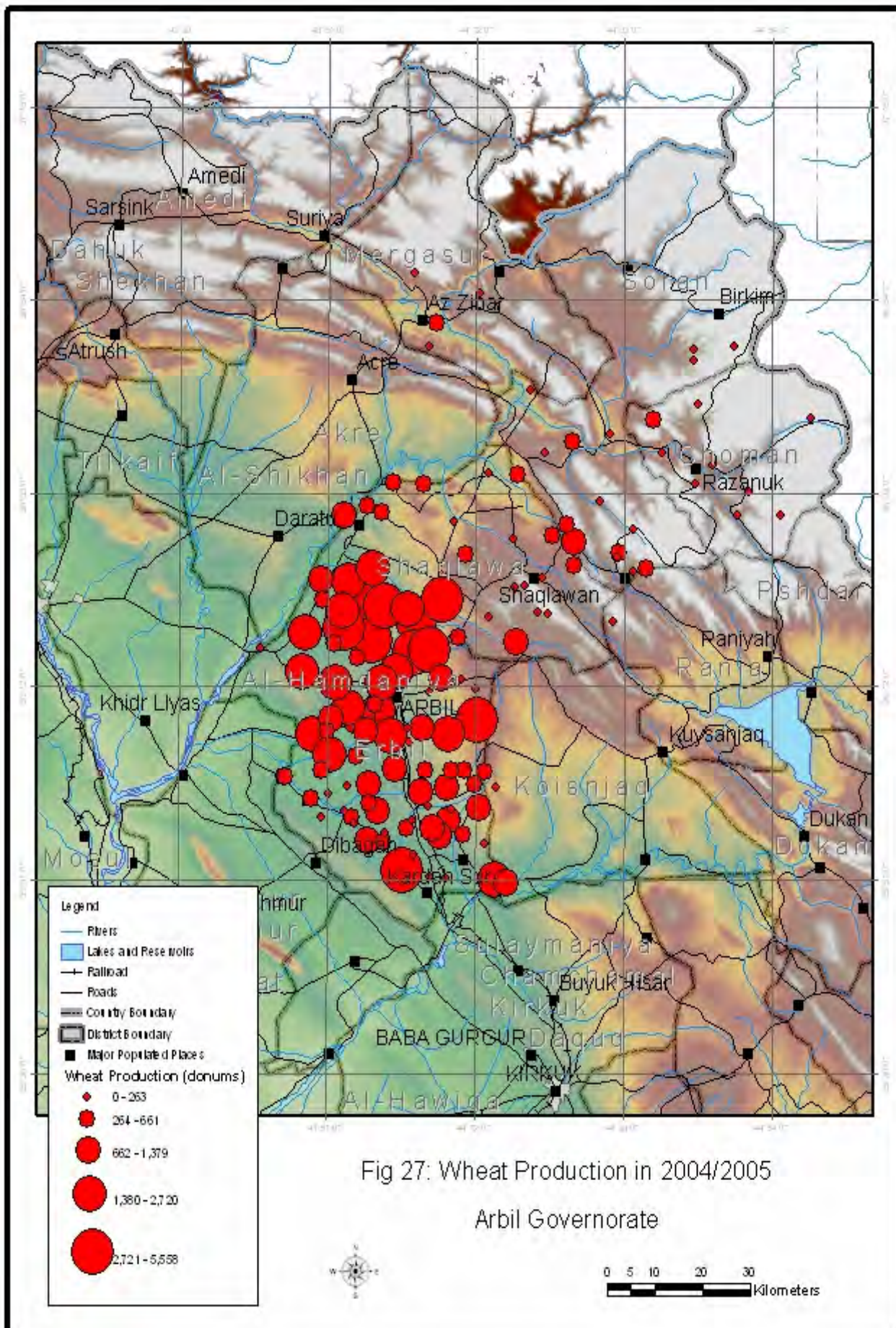
**Figure 25. Arbil. Percent of arable land planted to main winter crops, by farm size.
2004/2005**

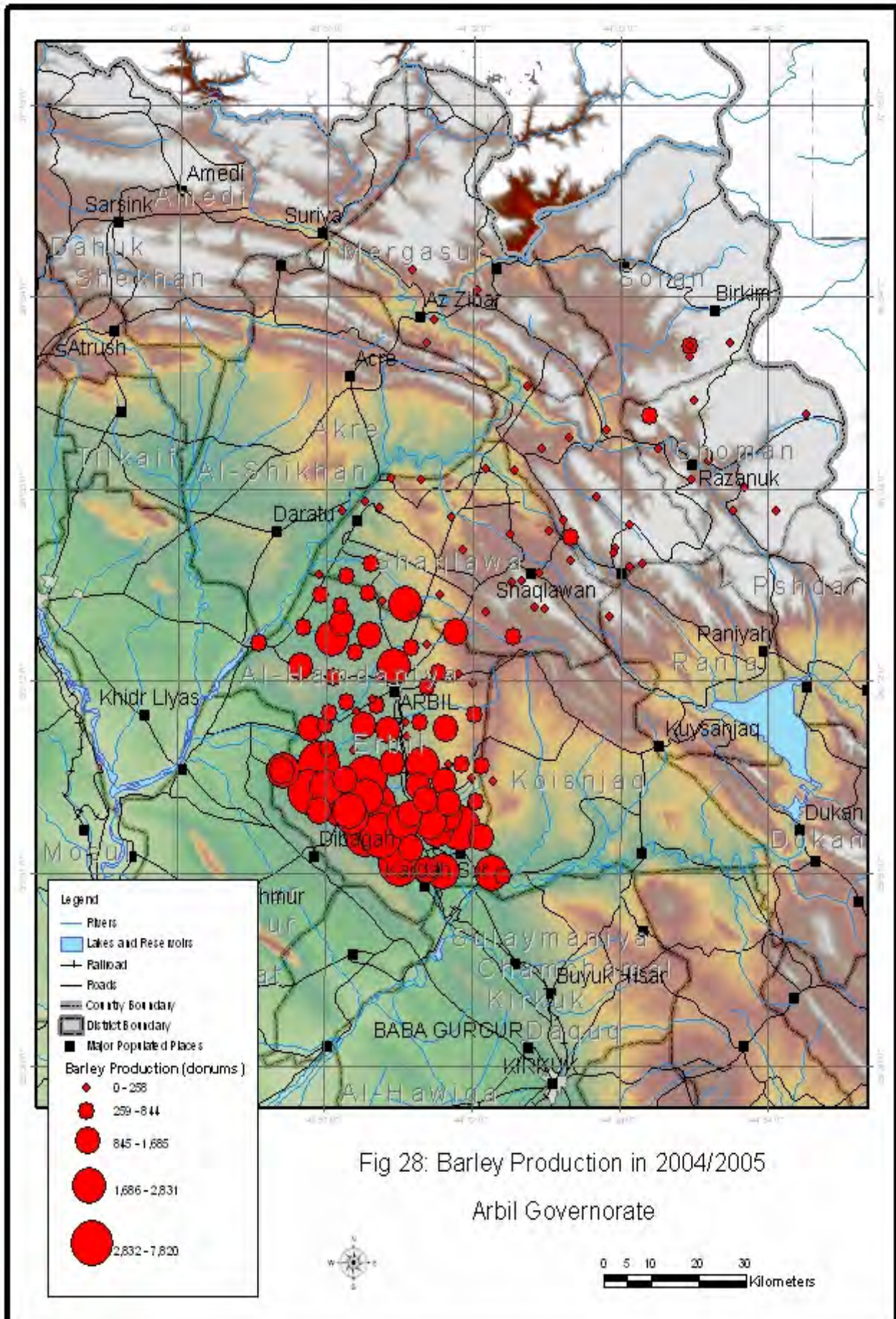


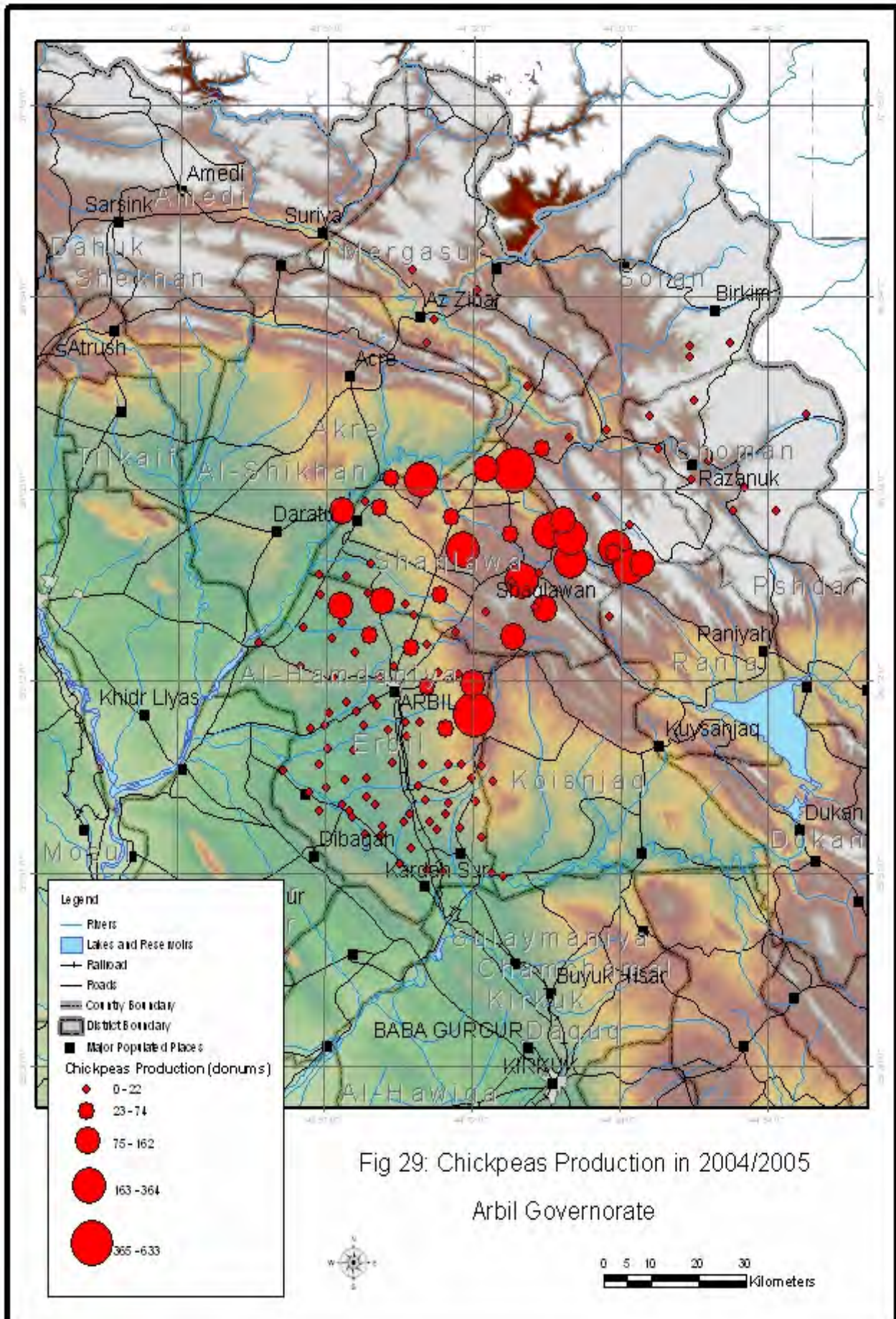
**Table 13. Erbil. Area planted to wheat and barley, by district
1999. (donums). Target sample: 15 percent of villages**

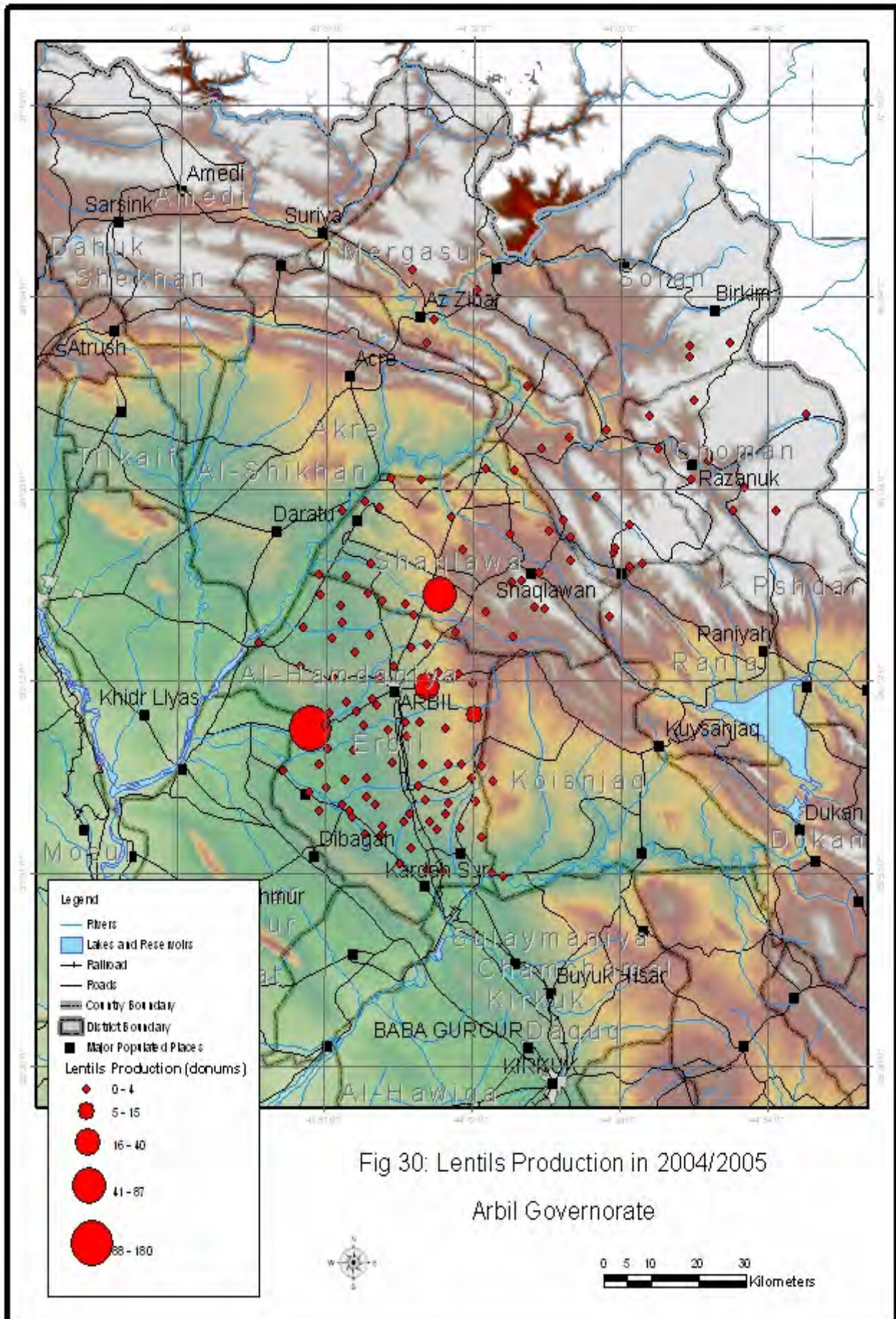
District	Arable	Wheat	Barley	Villages	% Villages	% Arable	Sample	One out of
Choman	41,087	9,558	5,824	108	9.1	2.7	5	22
Erbil Centre	769,632	264,590	260,776	235	19.9	50.2	90	3
Mergasor	72,746	15,627	6,569	181	15.3	4.7	9	21
Quaisinjak	293,583	57,474	44,781	145	12.3	19.2	35	5
Shaqlawā	226,943	102,456	32,580	220	18.6	14.8	27	9
Soran	128,233	34,895	17,691	293	24.8	8.4	15	20
Grand Total	1,532,224	484,600	368,221	1,182	100.0	100.0	181	7

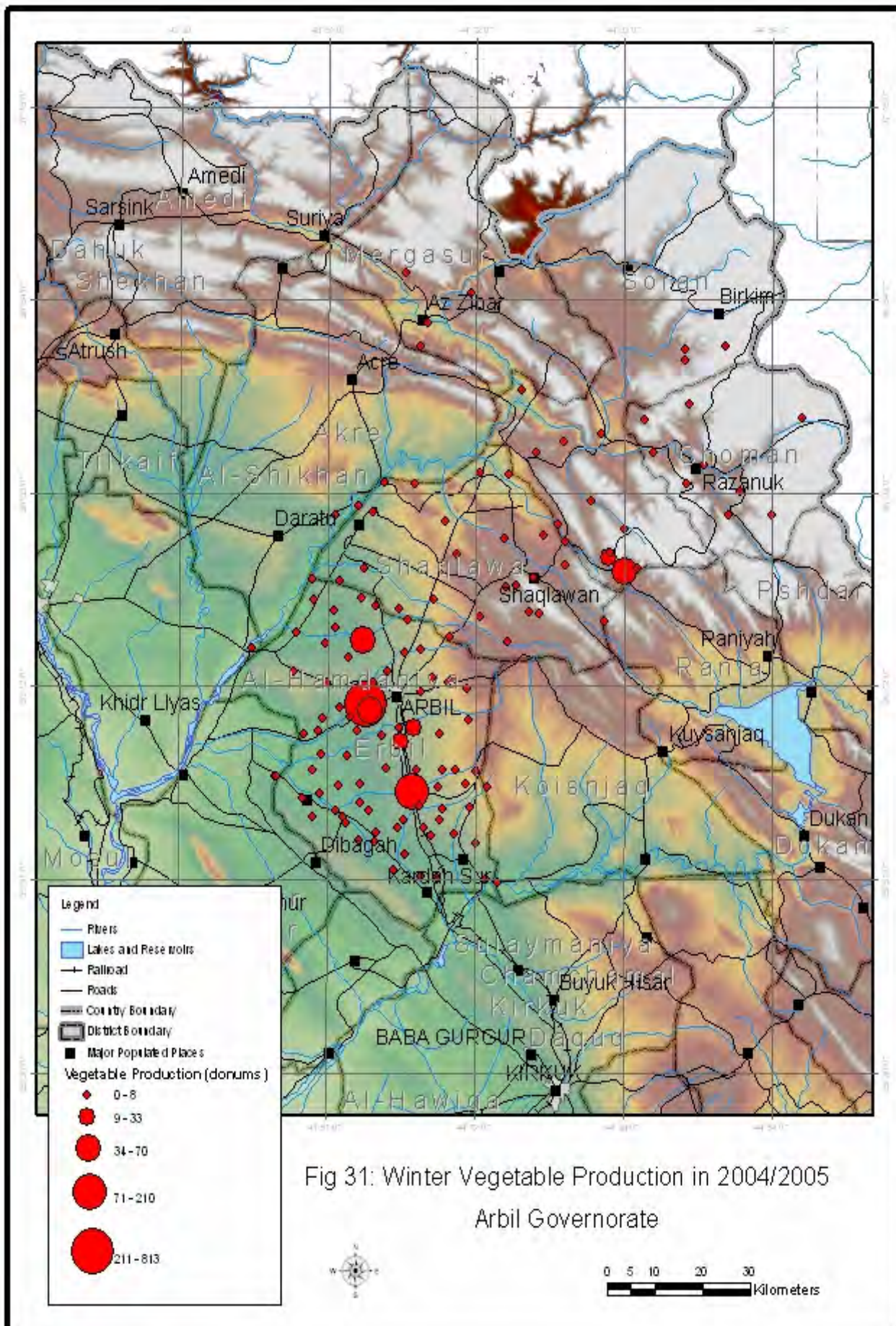












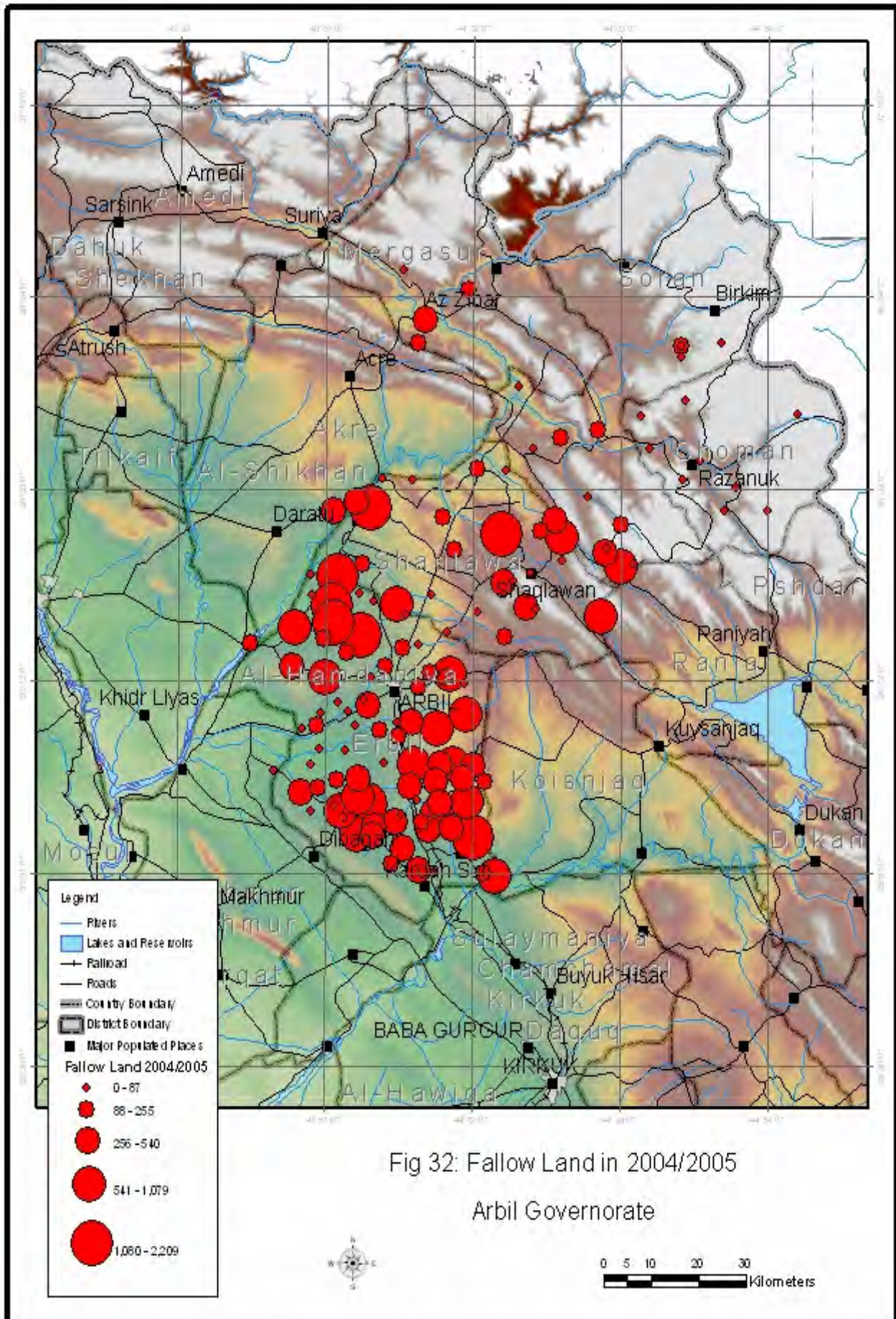


Figure 33. Ainkawa. Arable land in sample villages in 2004/05 and 1998/99

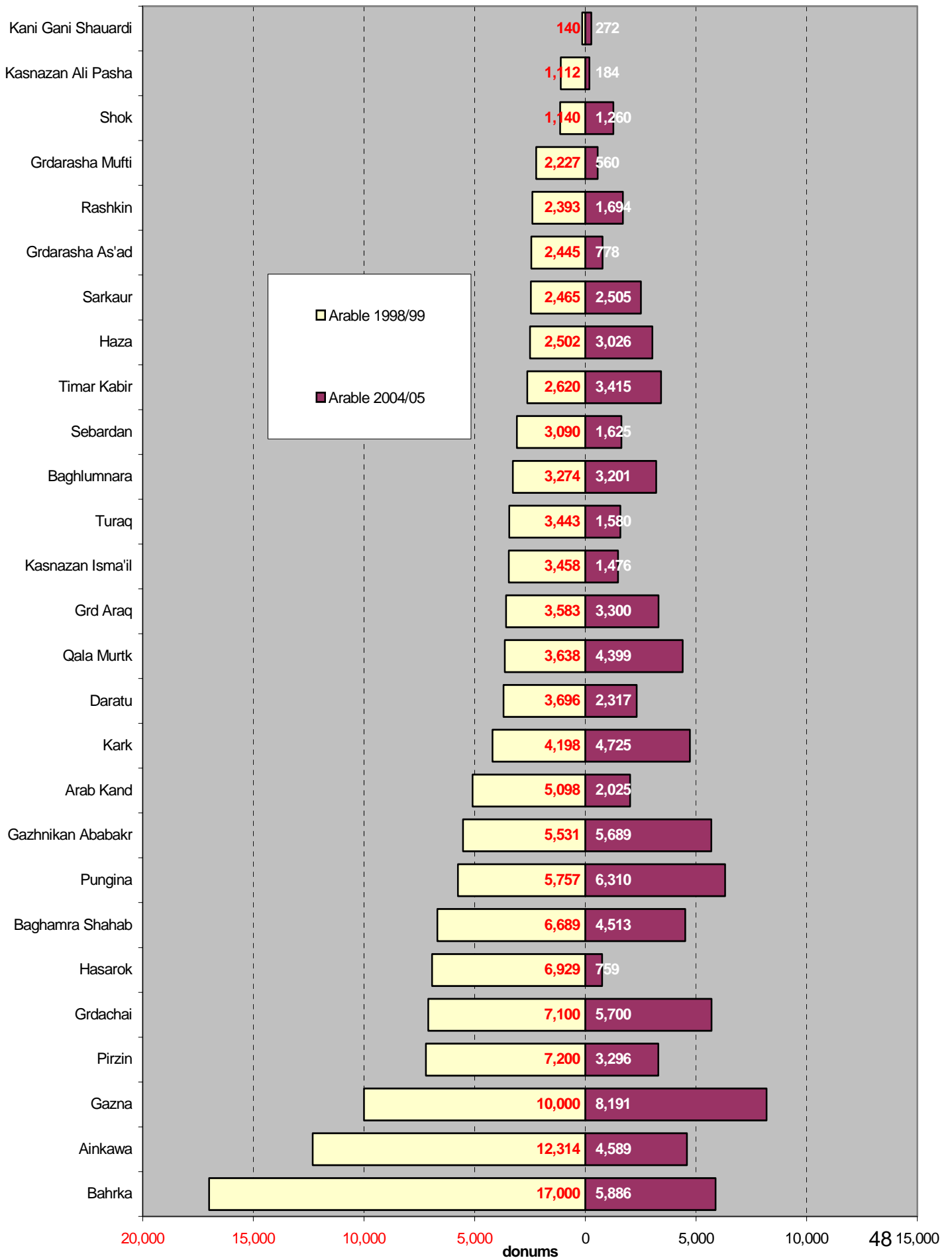


Figure 34. Ainkawa. Area planted to wheat, in sample villages, in 2004/2005 and 1998/1999

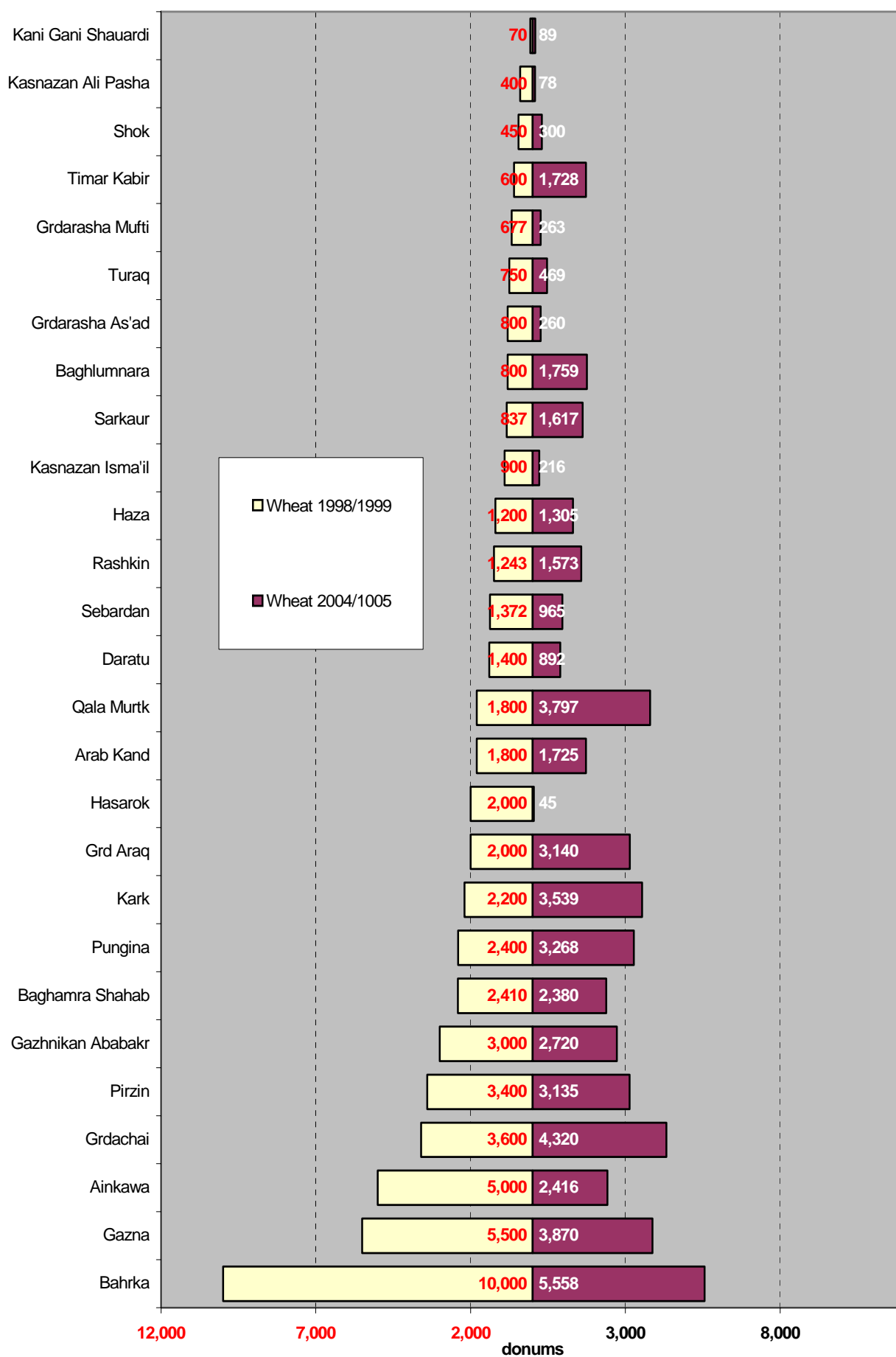


Figure 35. Ainkawa. Area planted to barley in sample villages in 2004/2005 and 1998/1999

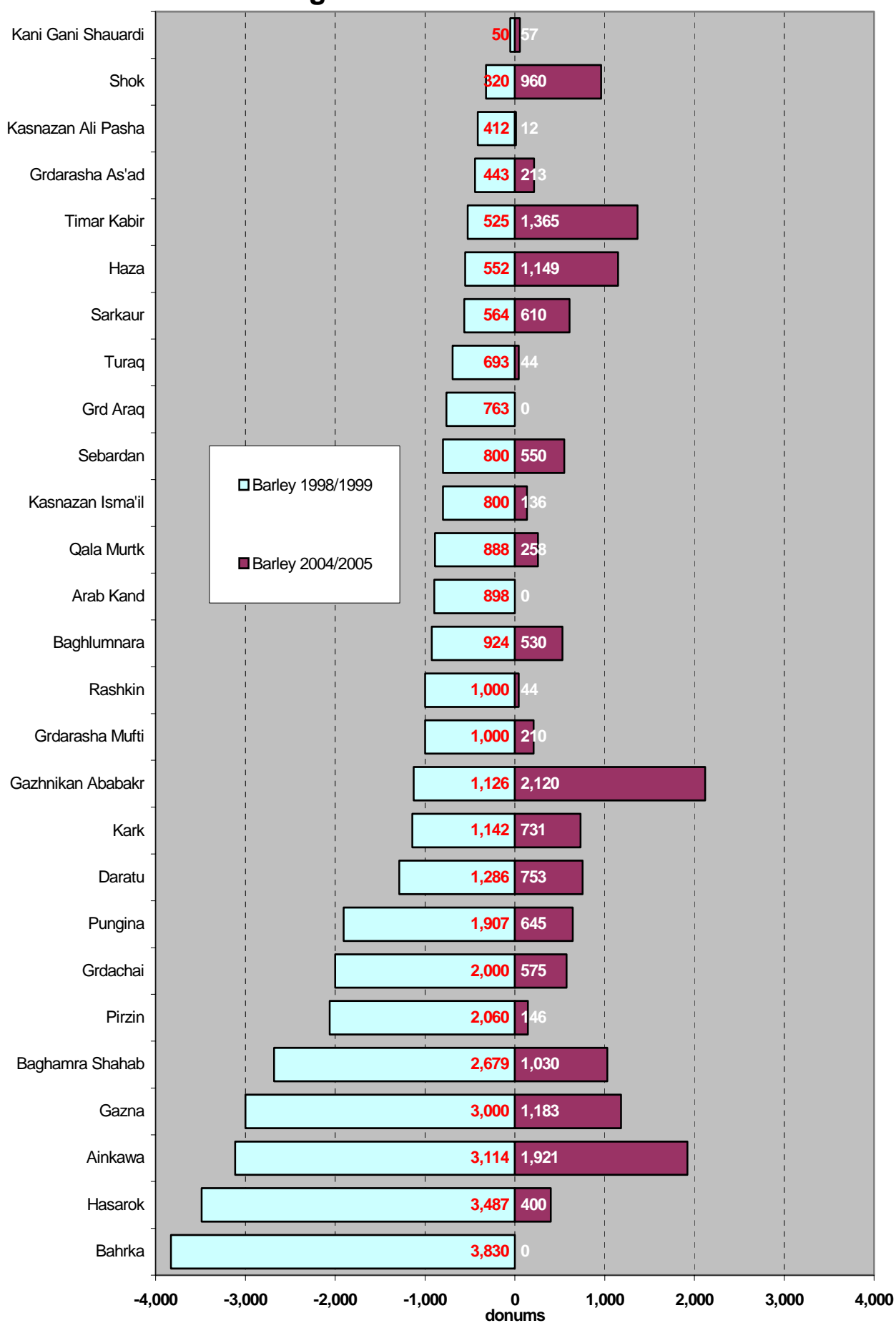


Figure 36. Khabat. Arable land in sample villages in 2004/2005 and 1998/1999

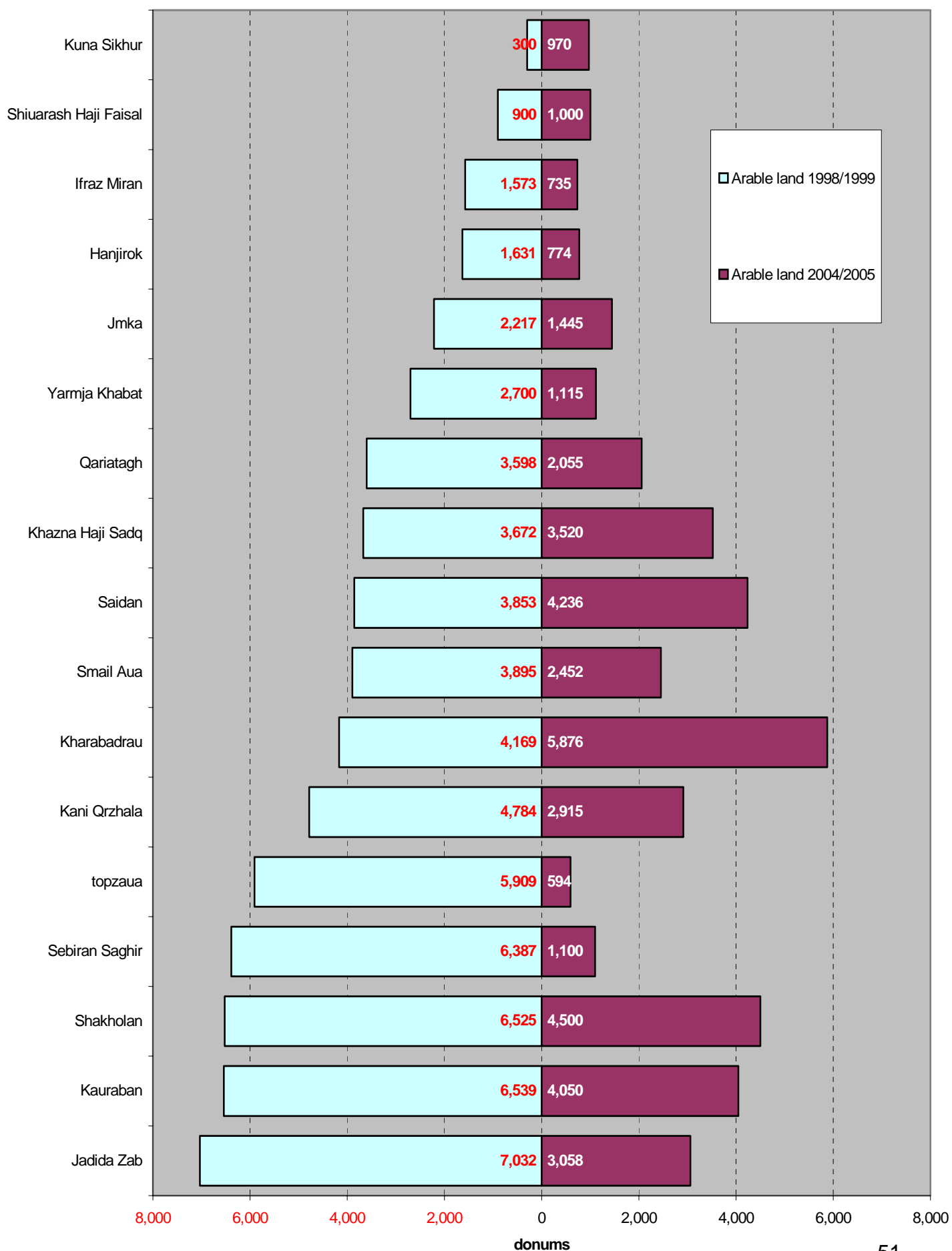


Figure 37. Khabat. Area planted to wheat in sample villages in 2004/2005 and 1998/1999

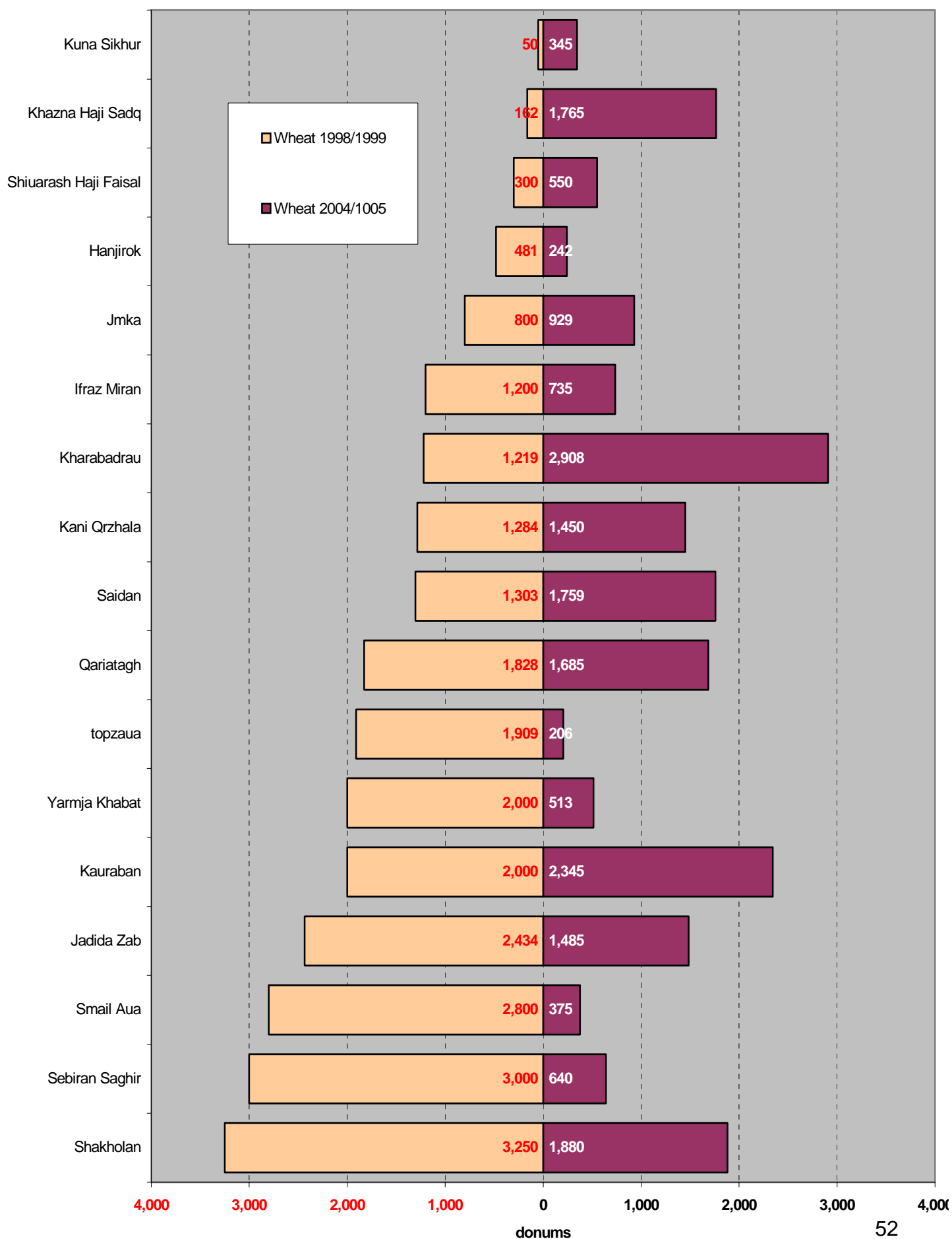


Figure 38. Khabat. Area planted to barley in sample villages in 2004/2005 and 1998/1999

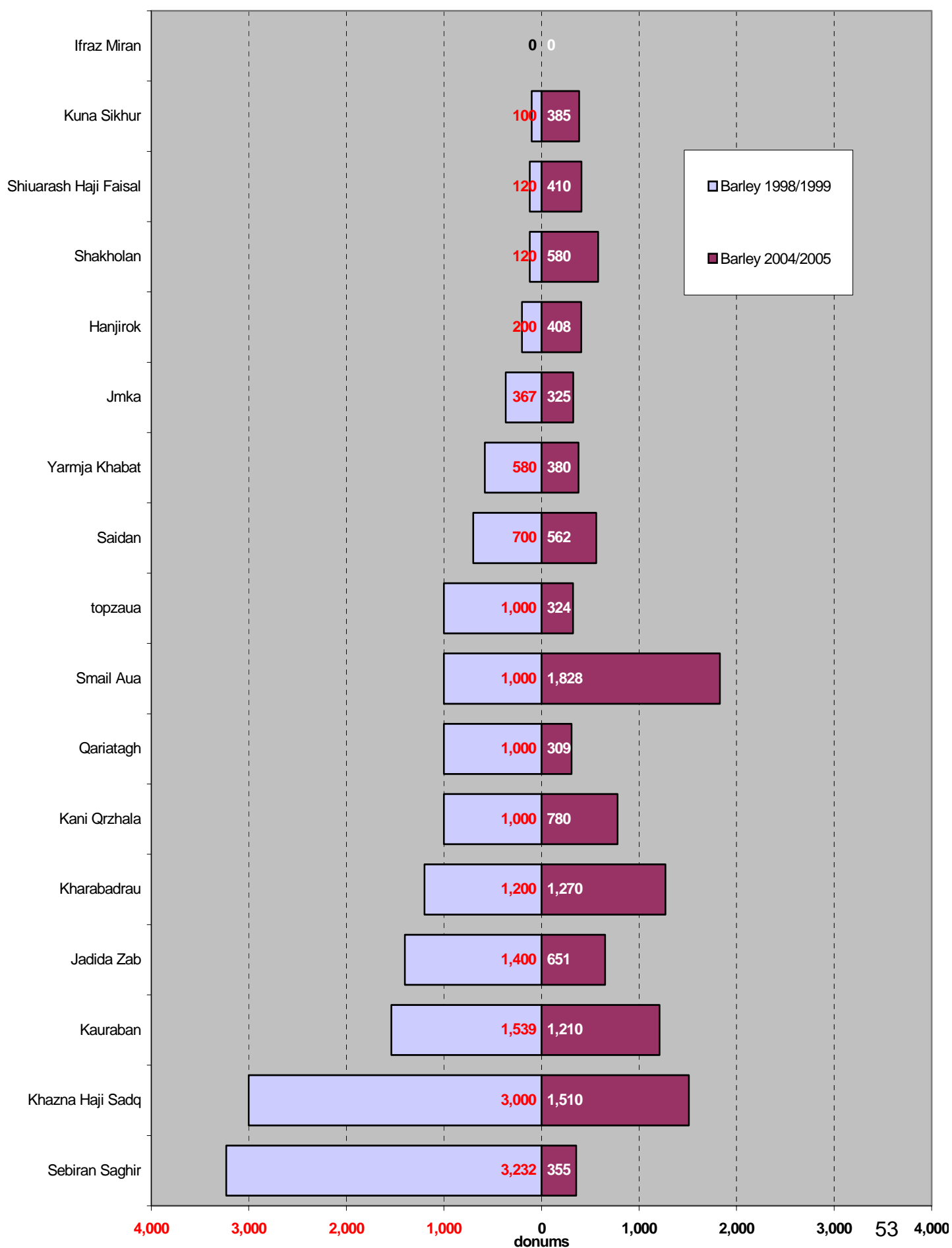


Figure 39. Qushtapa. Arable land in sample villages in 2004/2005 and 1998/1999

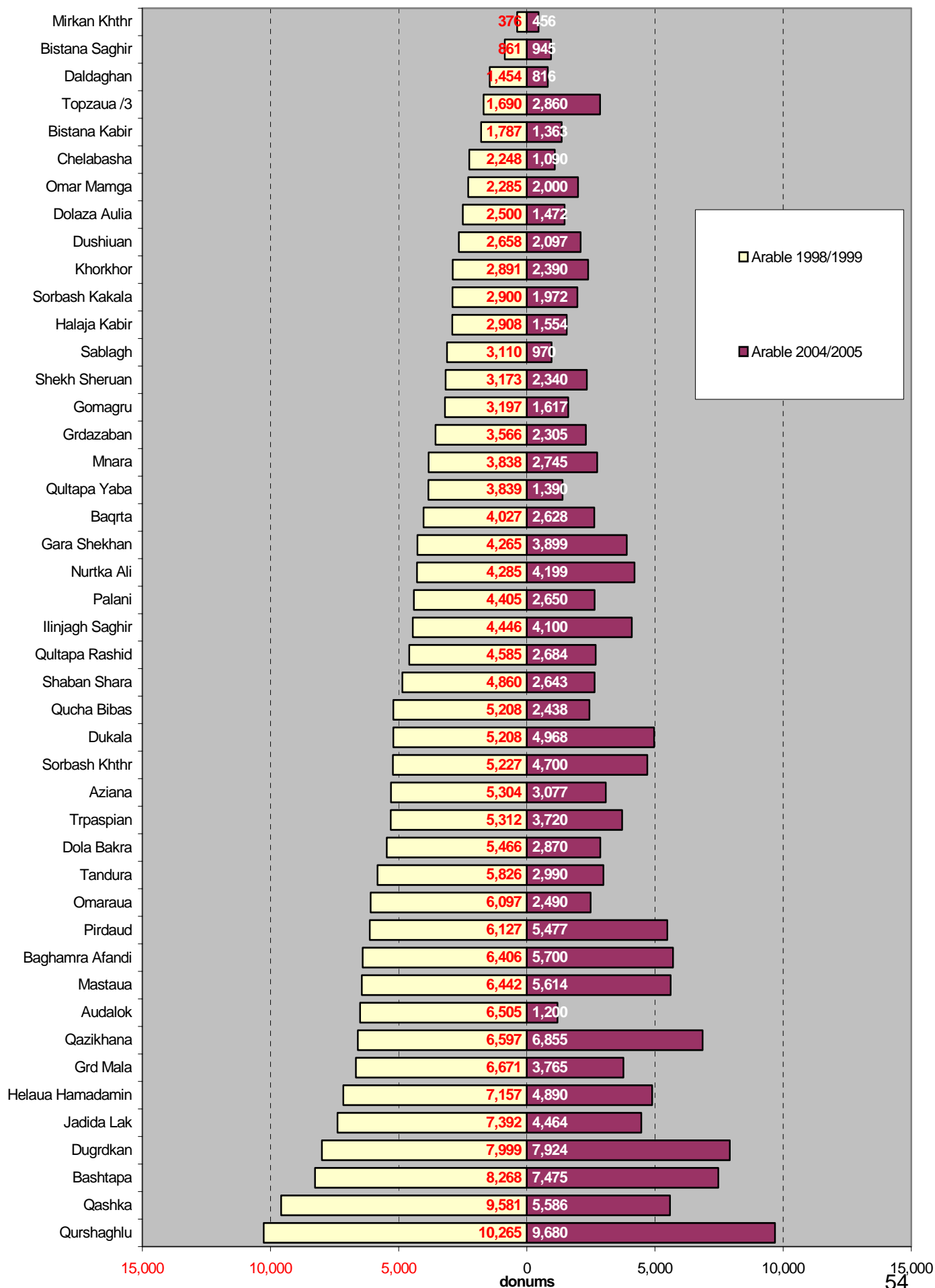


Figure 40. Qushtapa. Area planted to wheat in sample villages in 2004/2005 and 1998/1999

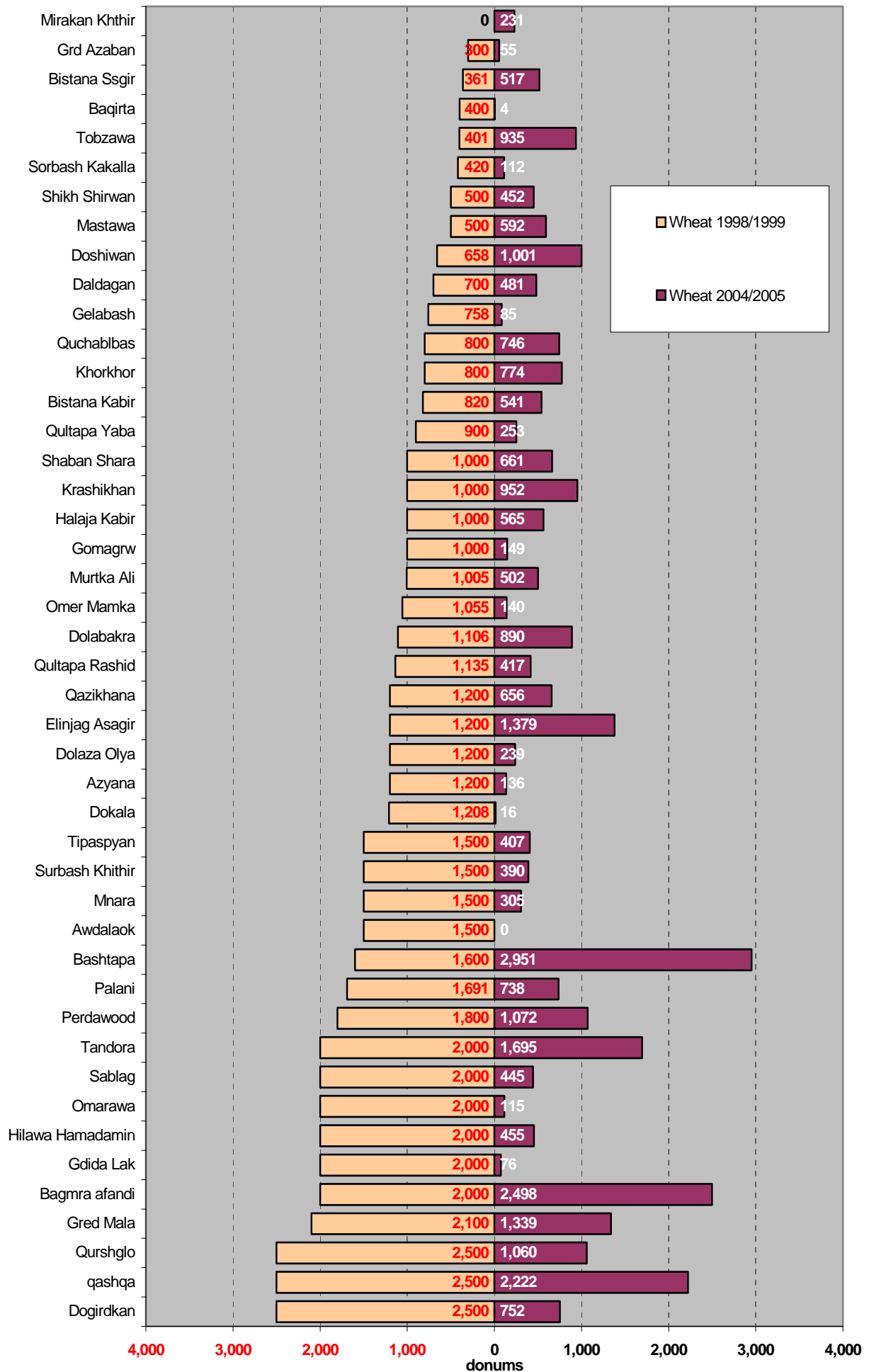


Figure 41. Qushtapa. Area planted to barley in sample villages in 2004/2005 and 1998/1999

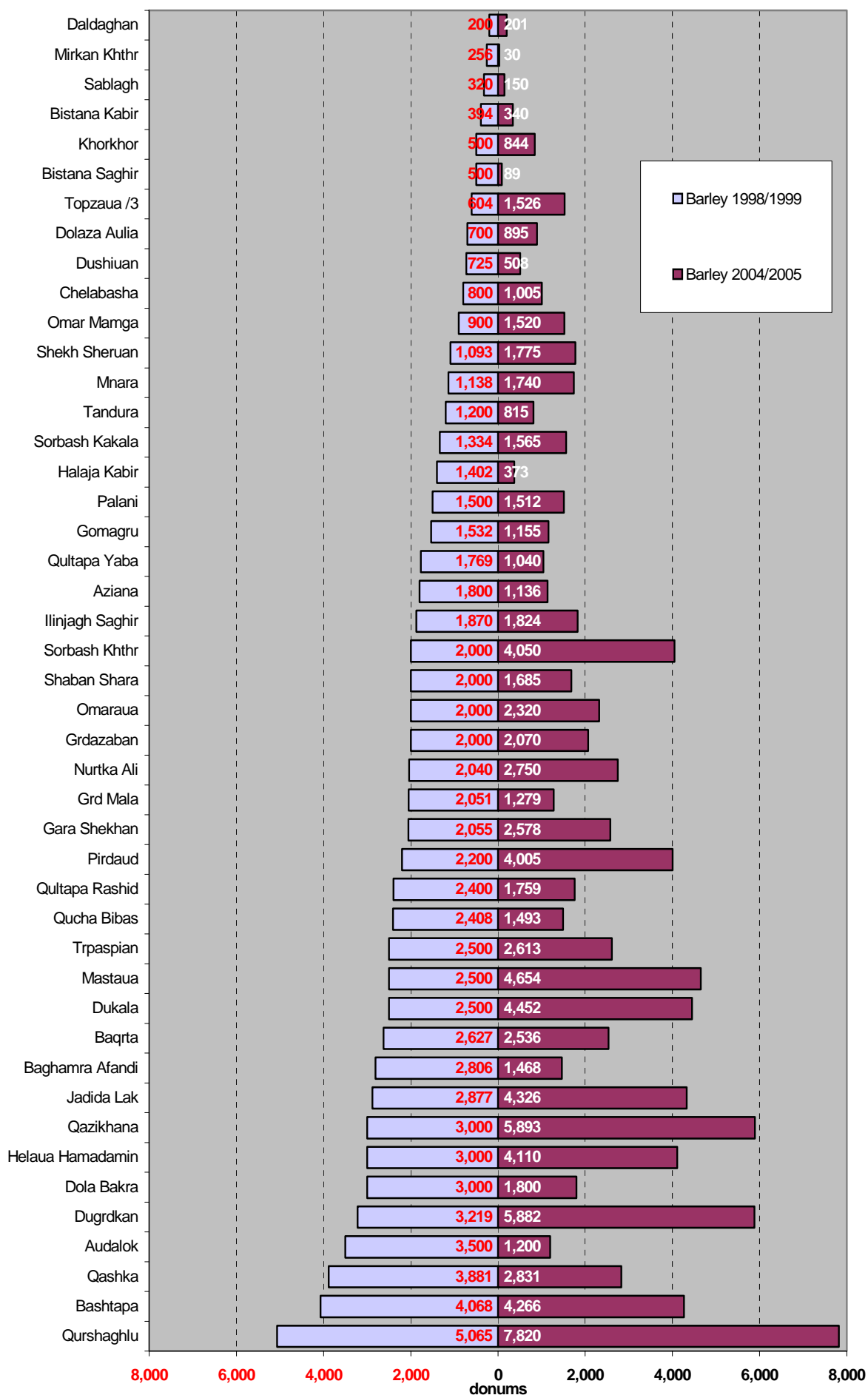


Figure 42. Shaqlawa District. Arable land in sample villages in 2004/2005 and 1998/199

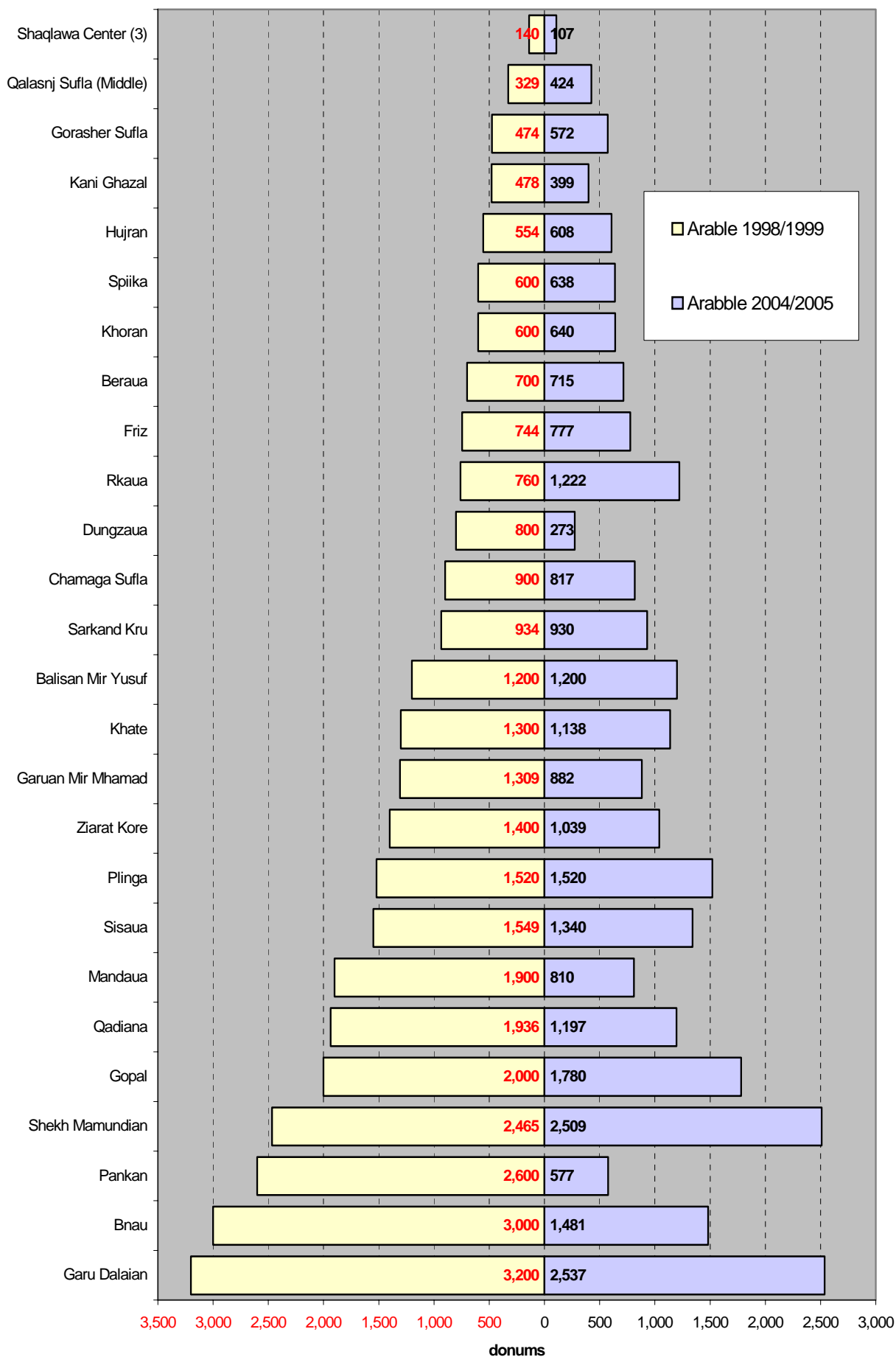


Figure 43. Shaqlawa District. Area planted to Wheat in sample villages in 2004/2005 and 1998/1999 (donums)

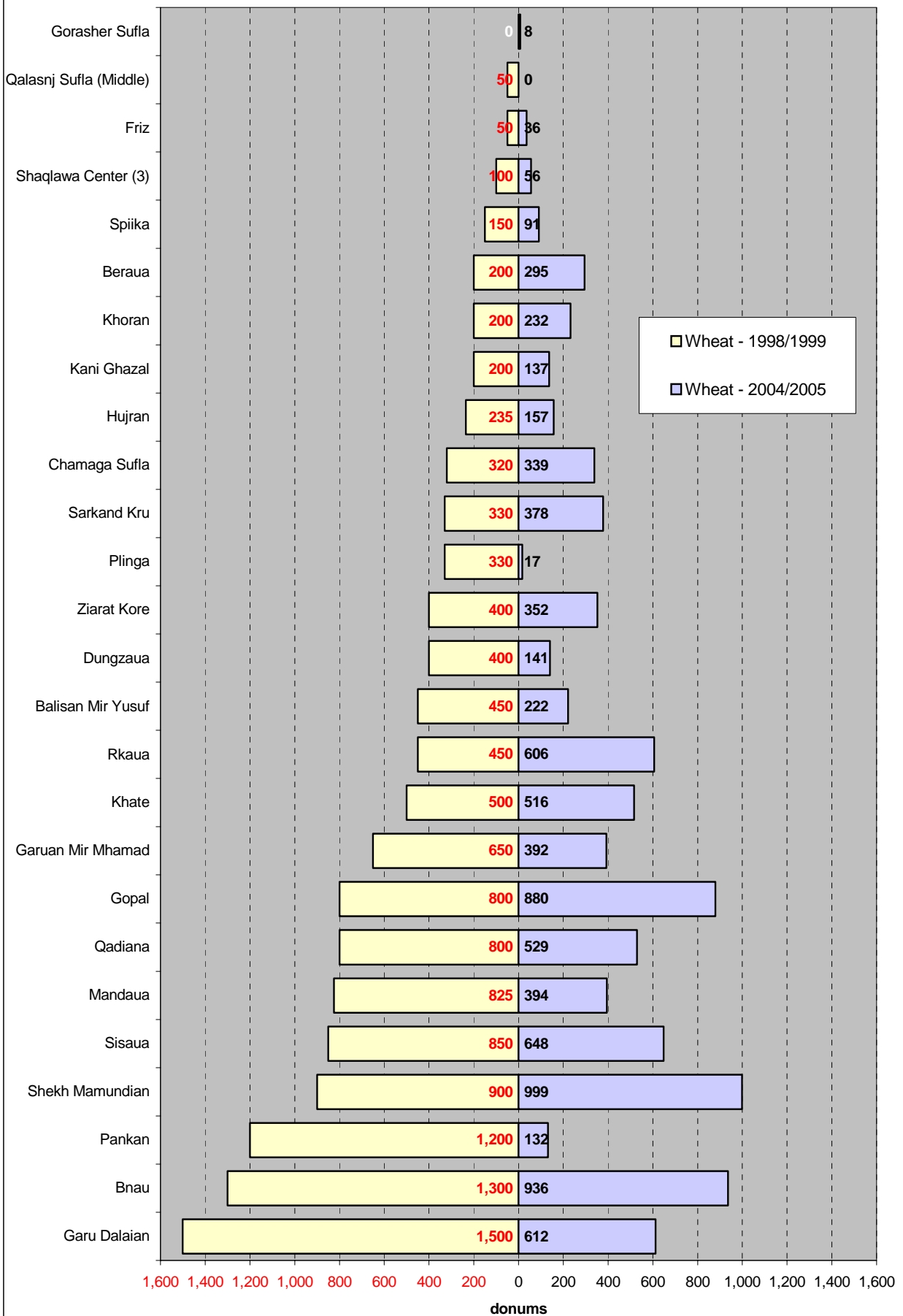


Figure 44. Shaqlawa District. Area planted to barley in sample villages in 2004/2005 and 1998/1999

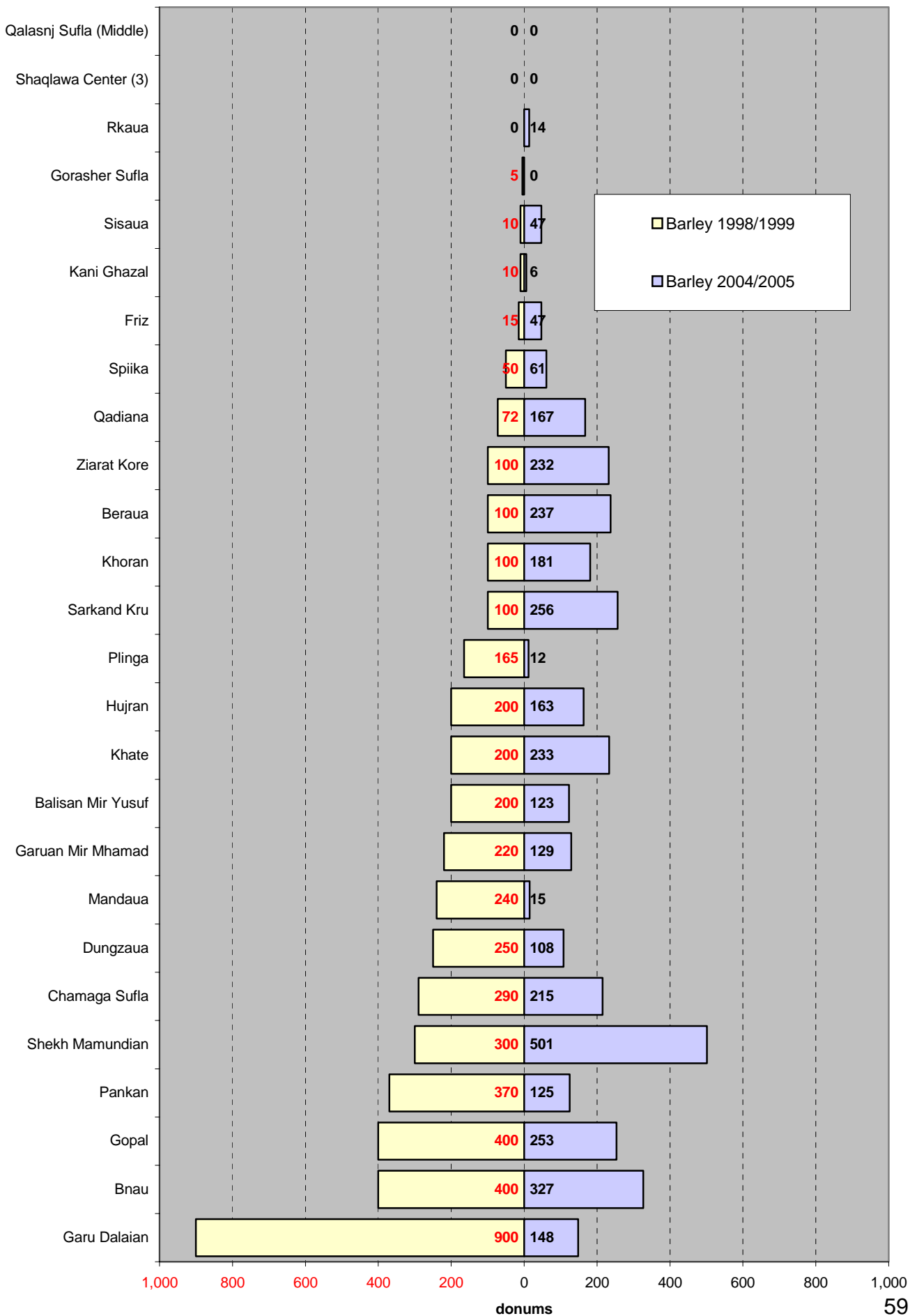


Table 12. Erbil. Area planted to wheat and barley by district and subdistrict. 1999. (donums)					
District	Subdistrict	Arable	Wheat	Barley	t of Village
Choman					
	Choman	7,105	980	697	13
	Galala	25,233	7,337	4,753	74
	Haji Omara	8,749	1,241	374	21
Choman Total		41,087	9,558	5,824	108
Erbil Center					
	Ainkawa	228,326	96,179	64,634	81
	Khabat	148,266	59,083	36,449	44
	Qushtapa	393,040	109,328	159,693	110
Erbil Center Total		769,632	264,590	260,776	235
Mergasor					
	Barzan	29,324	8,839	3,749	33
	Mergasor	23,205	6,048	2,072	78
	Sheruan M:	20,217	740	748	70
Mergasor Total		72,746	15,627	6,569	181
Quaisinjak					
	Quaisinjak	81,756	14,553	10,709	48
	Shorsh	94,571	25,259	20,157	43
	Taqtaq	117,256	17,662	13,915	54
Quaisinjak Total		293,583	57,474	44,781	145
Shaqlawaw					
	Harir	93,161	38,393	6,323	82
	Khoshnaw	35,125	9,268	4,037	47
	Salahadin	98,657	54,795	22,220	91
Shaqlawaw Total		226,943	102,456	32,580	220
Soran					
	Diana	30,377	10,368	6,254	52
	Khalifan	37,207	10,583	5,369	60
	Rawanduz	27,622	6,060	3,009	41
	Sidakan	33,027	7,884	3,059	140
Soran Total		128,233	34,895	17,691	293
Grand Total		1,532,224	484,600	368,221	1,182

**Table 13. Erbil. Area planted to wheat and barley, by district
1999. (donums). Target sample: 15 percent of villages**

District	Arable	Wheat	Barley	Villages	% Villages	% Arable	Sample	One out of
Choman	41,087	9,558	5,824	108	9.1	2.7	5	22
Erbil Centre	769,632	264,590	260,776	235	19.9	50.2	90	3
Mergasor	72,746	15,627	6,569	181	15.3	4.7	9	21
Quaisinjak	293,583	57,474	44,781	145	12.3	19.2	35	5
Shaqlawā	226,943	102,456	32,580	220	18.6	14.8	27	9
Soran	128,233	34,895	17,691	293	24.8	8.4	15	20
Grand Total	1,532,224	484,600	368,221	1,182	100.0	100.0	181	7

Table 14. Arbil Governorate. Winter Crops Survey, 2004/2005**List of Sample Villages, by district.**

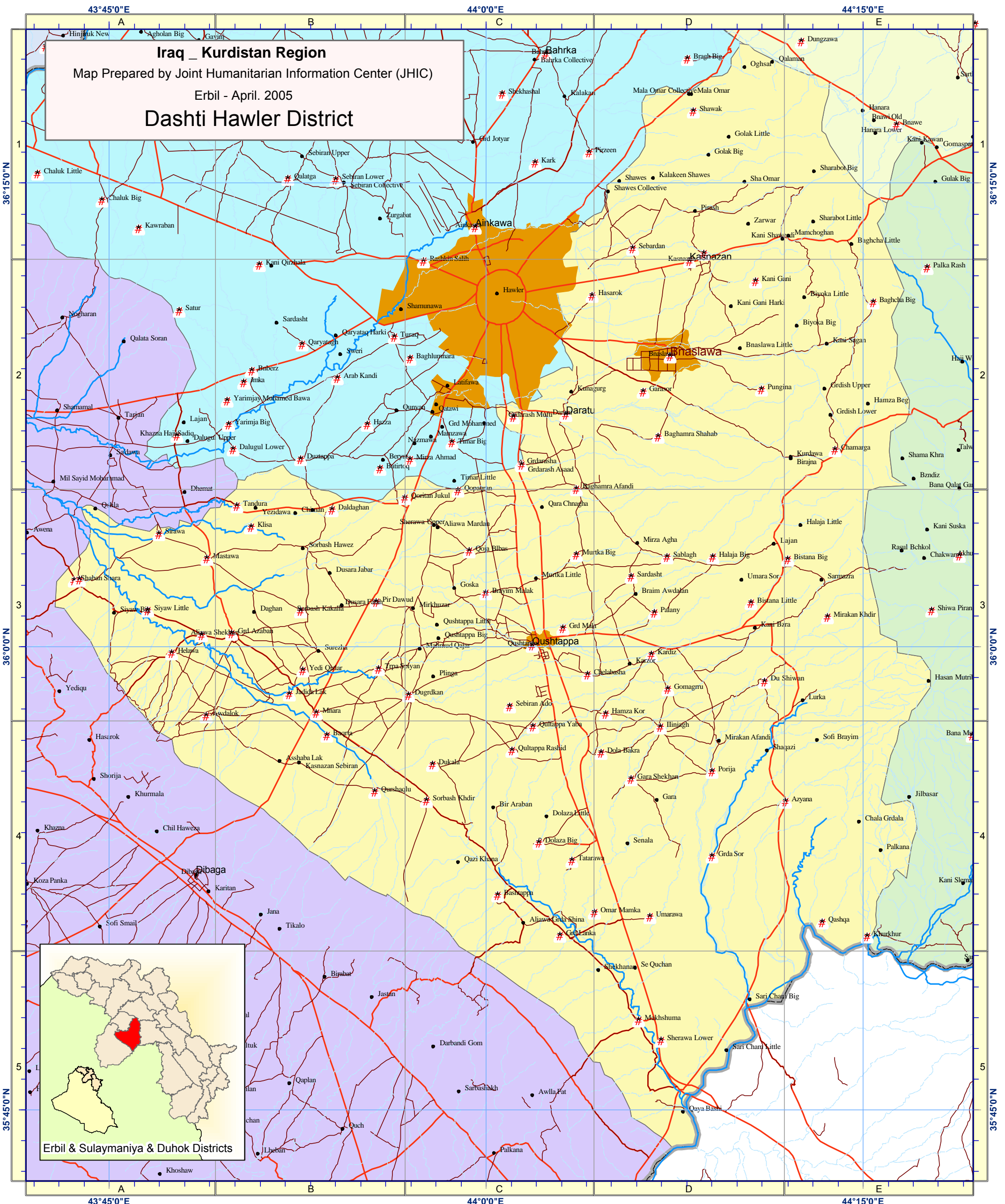
Area	Location	Village	Line	Code	Latitude	Longitude
1,520	437 - Shaqlawa - Harir	Plinga	1	ERB0935	36.4657	44.2680
3,000	522 - Shaqlawa - Salahadin	Bnau	2	ERB0953	36.2808	44.2726
1,200	468 - Shaqlawa - Khoshnaw	Balisan Mir Yusuf	3	ERB6788	36.4078	44.5513
900	399 - Shaqlawa - Harir	Chamaga Sufla	4	ERB0993	36.5697	43.9828
478	419 - Shaqlawa - Harir	Kani Ghazal	5	ERB1023	36.5849	44.2092
760	449 - Shaqlawa - Harir	Rkaua	6	ERB1035	36.5831	44.2779
2,465	453 - Shaqlawa - Harir	Shekh Mamundian	7	ERB0889	36.4602	44.4119
3,200	535 - Shaqlawa - Salahadin	Garu Dalaian	8	ERB1009	36.5145	43.9556
800	534 - Shaqlawa - Salahadin	Dungzaua	9	ERB0949	36.3255	44.2093
2,600	567 - Shaqlawa - Salahadin	Pankan	10	ERB0933	36.4988	44.1276
600	500 - Shaqlawa - Khoshnaw	Spiika	11	ERB6289	36.4333	44.5128
554	551 - Shaqlawa - Salahadin	Hujran	12	ERB0966	36.3830	44.2942
1,900	563 - Shaqlawa - Salahadin	Mandaua	13	ERB1008	36.5277	43.9232
1,740	422 - Shaqlawa - Harir	Khra	14	ERB1038	36.6107	44.1823
1,309	406 - Shaqlawa - Harir	Garuan Mir Mhamad	15	ERB0888	36.4189	44.4103
934	451 - Shaqlawa - Harir	Sarkand Kru	16	ERB0986	36.5661	44.0536
1,936	439 - Shaqlawa - Harir	Qadiana	17	ERB0904	36.4725	44.3583
700	472 - Shaqlawa - Khoshnaw	Beraua	18	ERB0872	36.4121	44.5816
1,300	485 - Shaqlawa - Khoshnaw	Khate	19	ERB0864	36.4424	44.5163
744	478 - Shaqlawa - Khoshnaw	Friz	20	ERB0870	36.3182	44.5014
1,549	457 - Shaqlawa - Harir	Sisaua	21	ERB0979	36.4916	44.3920
474	540 - Shaqlawa - Salahadin	Gorasher Sufla	22	ERB0969	36.3800	44.2689
1,400	600 - Shaqlawa - Salahadin	Ziarat Kore	23	ERB0929	36.4395	44.1541
2,000	538 - Shaqlawa - Salahadin	Gopal	24	ERB1011	36.5090	43.8670
600	486 - Shaqlawa - Khoshnaw	Khoran	25	ERB0912	36.3323	44.3504
140	496 - Shaqlawa - Khoshnaw	Shaqlawa Center (3)	26	ERB0896	36.3972	44.3366
329	571 - Shaqlawa - Salahadin	Qalasnj Sufla (Middle)	27	ERB0960	36.3350	44.3248
4,310	300 - Quaisinjak - Shorsh	Gogtapa	1	ERB0339	36.0714	44.4967
2,500	357 - Quaisinjak - Taqtaq	Marzan	2	ERB0438	35.9565	44.5338
1,000	368 - Quaisinjak - Taqtaq	Satuqala	3	ERB0427	35.8750	44.6947
1,949	284 - Quaisinjak - Shorsh	Akhura	4	ERB0390	36.0486	44.3141
3,000	297 - Quaisinjak - Shorsh	Darbasar Kabir	5	ERB0348	36.0260	44.4472
1,832	361 - Quaisinjak - Taqtaq	Qasr Kharaba	6	ERB6360	35.9229	44.8259
4,600	317 - Quaisinjak - Shorsh	Shakha Piska	7	ERB0322	36.0562	44.4127
3,289	281 - Quaisinjak - Quaisinjak	Timarok	8	ERB0314	36.0118	44.7253
4,100	373 - Quaisinjak - Taqtaq	Shiuashan	9	ERB0433	35.9634	44.8225
6,200	301 - Quaisinjak - Shorsh	Gomashin	10	ERB0349	36.0780	44.4610
2,567	313 - Quaisinjak - Shorsh	Palka Rash	11	ERB0231	36.2037	44.2929
1,500	290 - Quaisinjak - Shorsh	Bana Murd	12	ERB0456	35.9519	44.3227
400	356 - Quaisinjak - Taqtaq	Mala Ziad	13	ERB6353	35.8855	44.6873
3,148	376 - Quaisinjak - Taqtaq	Suraqala	14	ERB6383	35.9486	44.7426

2,170	348 - Quaisinjak - Taqtaq	Kani Slemana	15	ERB0453	35.9486	44.7426
2,250	318 - Quaisinjak - Shorsh	Shiuapiran	16	ERB0389	36.0191	44.2958
1,814	305 - Quaisinjak - Shorsh	Kani Darband	17	ERB0402	36.1016	44.3951
5,700	339 - Quaisinjak - Taqtaq	Ilinjagh Kabir	18	ERB0442	35.9506	44.4983
1,737	371 - Quaisinjak - Taqtaq	Shaitan	19	ERB0446	35.8417	44.3783
1,923	330 - Quaisinjak - Taqtaq	Bana Gulan	20	ERB0423	35.9620	44.7155
2,955	237 - Quaisinjak - Quaisinjak	Armuta	21	ERB0344	36.0667	44.6080
3,500	369 - Quaisinjak - Taqtaq	Segrdkan	22	ERB0447	35.9047	44.4244
2,200	328 - Quaisinjak - Taqtaq	Aumal	23	ERB0458	35.8617	44.3461
4,950	333 - Quaisinjak - Taqtaq	Bogd	24	ERB0419	35.9047	44.8614
1,650	272 - Quaisinjak - Quaisinjak	Seuasn	25	ERB0318	36.0637	44.7122
2,076	370 - Quaisinjak - Taqtaq	Sekani	26	ERB0445	35.8664	44.4011
4,391	302 - Quaisinjak - Shorsh	Gomatal	27	ERB0331	36.1452	44.4277
3,600	346 - Quaisinjak - Taqtaq	Kani Lala	28	ERB0411	35.8734	44.5216
4,045	246 - Quaisinjak - Quaisinjak	Dashti Koya	29	ERB0332	36.0831	44.6278
2,500	249 - Quaisinjak - Quaisinjak	Grd Goran & Qaqa	30	ERB0340	36.2145	44.6682
5,000	270 - Quaisinjak - Quaisinjak	Saktan	31	ERB0324	36.2382	44.6188
4,200	278 - Quaisinjak - Quaisinjak	Smaquli Saruchaua	32	ERB0317	36.2339	44.4983
1,136	336 - Quaisinjak - Taqtaq	Garmak Satu Qala	33	ERB0418	35.8937	44.6905
1,543	311 - Quaisinjak - Shorsh	Merga	34	ERB0451	35.9486	44.3830
4,000	298 - Quaisinjak - Shorsh	Darbasar Saghir	35	ERB0459	35.9943	44.4848
450	1117 - Mergasor - Sheruan Mazn	Astupi	1	ERB0803	37.0381	44.1008
500	1083 - Mergasor - Mergasor	Lerabir	2	ERB0721	36.9130	44.1880
450	1065 - Mergasor - Mergasor	Kalaka & Bestun	3	ERB0753		
1,400	1020 - Mergasor - Barzan	Isomara	4	DHK0048	36.8167	44.0667
225	1017 - Mergasor - Barzan	Hasne	5	ERB0780	36.9494	44.0326
1,500	1026 - Mergasor - Barzan	Qasre	6			
1,504	1011 - Mergasor - Barzan	Ble Aulia	7	ERB0731	36.8640	44.0654
3,000	1034 - Mergasor - Barzan	Zurgvan	8	DHK0107	36.8577	44.0830
1,120	1182 - Mergasor - Sheruan Mazn	Zite	9	ERB0796	37.0469	44.2194
988	997 - Choman - Haji Omaran	Raiat	1	ERB0015	36.6845	44.9715
482	914 - Choman - Galala	Bngrd	2	ERB6404	36.5530	44.8241
848	897 - Choman - Choman	Hauéz	3	ERB6425	36.7119	44.7042
338	954 - Choman - Galala	Naukilakan	4	ERB6266	36.6006	44.7378
570	940 - Choman - Galala	Kaulana	5	ERB6255	36.5086	44.8981
415	690 - Soran - Khalifan	Malamn	1	ERB6591	36.7356	44.3053
280	740 - Soran - Rawanduz	Mirajian	2	ERB1175	36.6222	44.6193
1,700	709 - Soran - Khalifan	Tarina Sufla	3	ERB6290	36.4847	44.5503
1,770	603 - Soran - Diana	Balakian	4	ERB1152	36.6561	44.4964
400	641 - Soran - Diana	Sermana	5			
550	677 - Soran - Khalifan	Kalakin Sarchia	6	ERB1057	36.6227	44.3404

1,000	685 - Soran - Khalifan	Kndur	7	ERB1052	36.5343	44.4724
70	861 - Soran - Sidakan	Piuzaz Khuaru	8	ERB1146	36.8144	44.7880
666	645 - Soran - Diana	Shirokian	9			
400	889 - Soran - Sidakan	Topzaua	10	ERB1086	36.8107	44.6935
945	722 - Soran - Rawanduz	Brgrdkan	11	ERB1186	36.5109	44.7972
650	646 - Soran - Diana	Sitkan	12	ERB1088	36.6817	44.5972
200	880 - Soran - Sidakan	Shkne	13	ERB6645	36.7906	44.6940
2,800	706 - Soran - Khalifan	Srishma	14	ERB1095	36.6414	44.4067
2,010	726 - Soran - Rawanduz	Dargala	15	ERB1143	36.5669	44.6983
4,860	218 - Erbil Center - Qushtapa	Shaban Shara	1	ERB6452	36.0353	43.7270
3,839	206 - Erbil Center - Qushtapa	Qultapa Yaba	2	ERB0257	35.9567	44.0311
5,208	204 - Erbil Center - Qushtapa	Qucha Bibas	3	ERB0109	36.0509	43.9889
9,581	200 - Erbil Center - Qushtapa	Qashka	4	ERB0258	35.8510	44.2231
6,442	180 - Erbil Center - Qushtapa	Mastaua	5	ERB0121	36.0468	43.8149
5,826	231 - Erbil Center - Qushtapa	Tandura	6	ERB0096	36.0753	43.8351
6,097	191 - Erbil Center - Qushtapa	Omaraua	7	ERB0253	35.8536	44.1088
6,597	201 - Erbil Center - Qushtapa	Qazikhana	8	ERB0295	35.9325	44.1503
6,505	129 - Erbil Center - Qushtapa	Audalok	9	ERB0307	35.9625	43.8147
861	137 - Erbil Center - Qushtapa	Bistana Saghir	10	ERB0227	36.0229	44.1762
3,173	219 - Erbil Center - Qushtapa	Shekh Sheruan	11	ERB0237	36.0357	43.7306
1,690	233 - Erbil Center - Qushtapa	Topzaua /3	12			
4,405	192 - Erbil Center - Qushtapa	Palani	13	ERB0194	36.0179	44.1122
5,675	161 - Erbil Center - Qushtapa	Grdasar Fage Ismail	14	ERB0263	35.8867	44.1505
6,406	131 - Erbil Center - Qushtapa	Baghamra Afandi	15	ERB0154	36.0845	44.0603
2,658	153 - Erbil Center - Qushtapa	Dushiuan	16	ERB0269	35.9812	44.1854
1,454	143 - Erbil Center - Qushtapa	Daldaghan	17	ERB6320	36.0731	43.8977
1,787	136 - Erbil Center - Qushtapa	Bistana Kabir	18	ERB0147	36.0464	44.2002
8,268	133 - Erbil Center - Qushtapa	Bashtapa	19	ERB0273	35.8656	44.0078
10,265	208 - Erbil Center - Qushtapa	Qurshaghlu	20	ERB0294	35.9216	43.9260
3,566	163 - Erbil Center - Qushtapa	Grdazaban	21	ERB0140	36.0065	43.8314
5,466	145 - Erbil Center - Qushtapa	Dola Bakra	22	ERB0287	35.9426	44.0768
4,265	154 - Erbil Center - Qushtapa	Gara Shekhan	23	ERB0261	35.9282	44.0964
376	181 - Erbil Center - Qushtapa	Mirkan Khthr	24	ERB0280	36.0156	44.2265
3,838	185 - Erbil Center - Qushtapa	Mnara	25	ERB0309	35.9641	43.8876
4,285	186 - Erbil Center - Qushtapa	Nurtka Ali	26	ERB0119	36.0489	44.0600
5,208	150 - Erbil Center - Qushtapa	Dukala	27	ERB0303	35.9359	43.9644
4,585	205 - Erbil Center - Qushtapa	Qultapa Rashid	28	ERB0283	35.9436	44.0172
7,999	149 - Erbil Center - Qushtapa	Dugrdkan	29	ERB0302	35.9739	43.9486
2,285	189 - Erbil Center - Qushtapa	Omar Mamga	30	ERB0288	35.8563	44.0721
5,304	130 - Erbil Center - Qushtapa	Aziana	31	ERB0278	35.9162	44.1989
7,392	169 - Erbil Center - Qushtapa	Jadida Lak	32	ERB0300	35.9741	43.8692

3,110	211 - Erbil Center - Qushtapa	Sablagh	33	ERB0197	36.0476	44.1204
2,500	146 - Erbil Center - Qushtapa	Dolaza Aulia	34	ERB6444	35.8939	44.0351
2,248	140 - Erbil Center - Qushtapa	Chelabasha	35	ERB0264	35.9841	44.0677
6,671	159 - Erbil Center - Qushtapa	Grd Mala	36	ERB0138	36.0093	44.0513
4,446	168 - Erbil Center - Qushtapa	Ilinjagh Saghir	37	ERB0265	35.9563	44.1158
2,891	175 - Erbil Center - Qushtapa	Khorkhor	38	ERB0285	35.8431	44.2528
7,157	167 - Erbil Center - Qushtapa	Helaua Hamadamin	39	ERB0301	35.9961	43.7917
5,227	228 - Erbil Center - Qushtapa	Sorbash Khthr	40	ERB0293	35.9165	43.9605
4,027	132 - Erbil Center - Qushtapa	Baqrta	41	ERB0304	35.9520	43.8944
2,908	164 - Erbil Center - Qushtapa	Halaja Kabir	42	ERB0223	36.0479	44.1508
3,197	155 - Erbil Center - Qushtapa	Gomagru	43	ERB0267	35.9768	44.1211
6,127	194 - Erbil Center - Qushtapa	Pirdaud	44	ERB0118	36.0234	43.9274
5,312	234 - Erbil Center - Qushtapa	Trpaspian	45	ERB0291	35.9875	43.9286
2,900	227 - Erbil Center - Qushtapa	Sorbash Kakala	46	ERB0097	36.0187	43.8768
300	106 - Erbil Center - Khabat	Kuna Sikhur	1			
7,032	97 - Erbil Center - Khabat	Jadida Zab	2	ERB0243	36.2968	43.7765
4,169	103 - Erbil Center - Khabat	Kharabadrau	3	ERB0125	36.3053	43.8686
6,525	117 - Erbil Center - Khabat	Shakholan	4	ERB0104	36.3892	43.8785
3,895	121 - Erbil Center - Khabat	Smail Aua	5	ERB6455	36.2769	43.8432
2,217	98 - Erbil Center - Khabat	Jmka	6	ERB0129	36.1418	43.8395
1,573	96 - Erbil Center - Khabat	Ifraz Miran	7	ERB6343	36.3944	43.8132
4,784	99 - Erbil Center - Khabat	Kani Qrzhalala	8	ERB6465	36.2053	43.8496
6,387	116 - Erbil Center - Khabat	Sebiran Saghir	9	ERB0167	36.2513	43.9004
3,672	104 - Erbil Center - Khabat	Khazna Haji Sadq	10	ERB0242	36.1131	43.7952
3,853	112 - Erbil Center - Khabat	Saidan	11	ERB0105	36.3358	43.8649
1,631	94 - Erbil Center - Khabat	Hanjirok	12	ERB6256	36.2697	43.6692
6,539	100 - Erbil Center - Khabat	Kauraban	13	ERB0241	36.2252	43.7700
5,909	123 - Erbil Center - Khabat	topzaua	14	ERB6472	36.2763	43.7488
900	120 - Erbil Center - Khabat	Shiuarash Haji Faisal	15	ERB6472	36.3571	43.8180
3,598	111 - Erbil Center - Khabat	Qariatagh	16	ERB0111	36.1624	43.8778
2,700	125 - Erbil Center - Khabat	Yarmja Khabat	17	ERB6241	36.1194	43.8294
2,227	31 - Erbil Center - Ainkawa	Grdarasha Mufti	1	ERB0181	36.1234	44.0184
3,458	42 - Erbil Center - Ainkawa	Kasnazan Isma'il	2	ERB0214	36.2113	44.1449
1,140	72 - Erbil Center - Ainkawa	Shok	3	ERB0206	36.2880	44.1380
3,090	65 - Erbil Center - Ainkawa	Sebardan	4	ERB0211	36.2142	44.0975
3,583	27 - Erbil Center - Ainkawa	Grd Araç	5	ERB0174	36.3464	43.9643
7,100	29 - Erbil Center - Ainkawa	Grdachai	6	ERB0171	36.3595	43.9309
2,502	36 - Erbil Center - Ainkawa	Haza	7	ERB0132	36.1195	43.9210
5,098	2 - Erbil Center - Ainkawa	Arab Kand	8	ERB0157	36.1445	43.9015
2,465	64 - Erbil Center - Ainkawa	Sarkaur	9	ERB0173	36.4136	43.9351
5,531	22 - Erbil Center - Ainkawa	Gazhnikan Ababakr	10	ERB0178	36.3410	44.0176

2,620	76 - Erbil Center - Ainkawa	Timar Kabir	11	ERB0095	36.1098	43.9777
6,929	35 - Erbil Center - Ainkawa	Hasarok	12	ERB6457	36.1890	44.0705
7,200	55 - Erbil Center - Ainkawa	Pirzin	13	ERB0117	36.2659	44.0686
2,445	30 - Erbil Center - Ainkawa	Grdarasha As'ad	14	ERB6457	36.0975	44.0238
17,000	9 - Erbil Center - Ainkawa	Bahrka	15	ERB6224	36.3186	44.04
4,198	40 - Erbil Center - Ainkawa	Kark	16	ERB0181	36.2604	44.0330
10,000	25 - Erbil Center - Ainkawa	Gazna	17	ERB0142	36.2818	43.9341
5,757	56 - Erbil Center - Ainkawa	Pungina	18	ERB6457	36.1383	44.1831
1,112	41 - Erbil Center - Ainkawa	Kasnazan Ali Pasha	19	ERB6253	36.2075	44.1356
2,393	62 - Erbil Center - Ainkawa	Rashkin	20	ERB0107	36.2074	43.9584
140	39 - Erbil Center - Ainkawa	Kani Gani Shauardi	21	ERB0216	36.1963	44.1791
3,274	8 - Erbil Center - Ainkawa	Baghlumnara	22	ERB0155	36.1547	43.9498
12,314	1 - Erbil Center - Ainkawa	Ainkawa	23	ERB0158	36.2257	43.9928
3,443	79 - Erbil Center - Ainkawa	Turaq	24	ERB0094	36.1668	43.9392
6,689	5 - Erbil Center - Ainkawa	Baghamra Shahab	25	ERB0153	36.1127	44.1147
3,638	58 - Erbil Center - Ainkawa	Qala Murtk	26	ERB0201	36.3561	44.0995
3,696	20 - Erbil Center - Ainkawa	Daratu	27	ERB0183	36.1246	44.0534

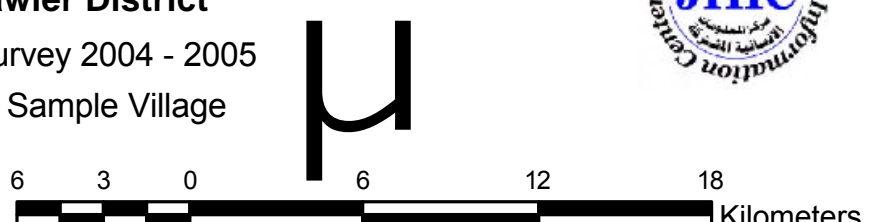


Iraq - Kurdistan Region
 Map Prepared by Joint Humanitarian Information Center (JHIC)
 Erbil - April, 2005
Dashti Hawler District

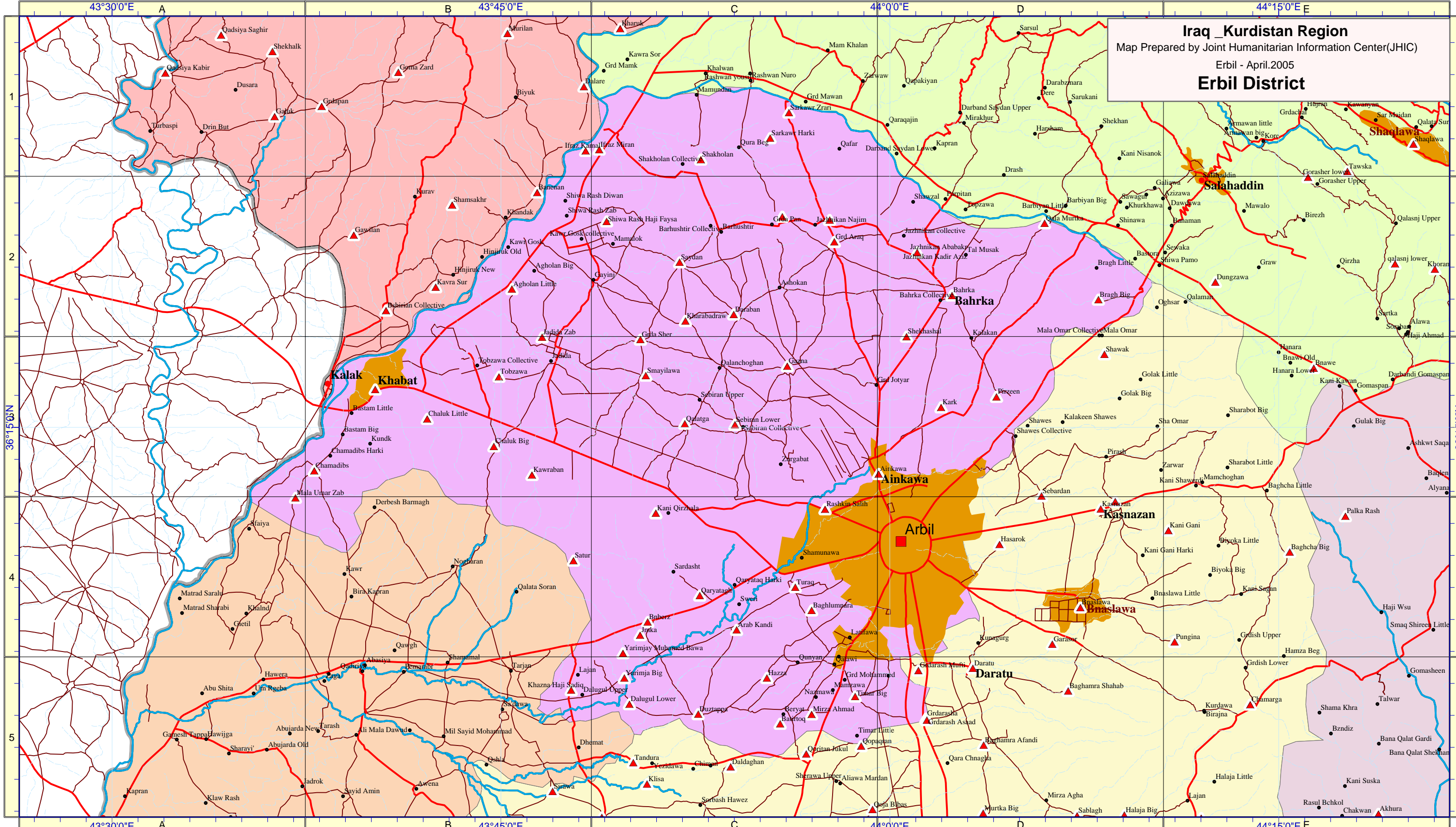
Legend

- International boundary
- Governorate boundary
- Built up
- Lake
- Rivers
- Streams
- Major roads
- Secondary roads
- } Governorate center
- ! Districts center
- K Sub district center
- Villages
- # Sample Villages

Dashti Hawler District
 Winter Crops Survey 2004 - 2005
 Location of Sample Village



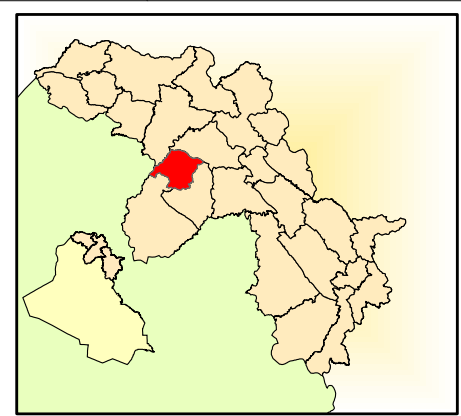
1 Cm equals 3 Km



Legend

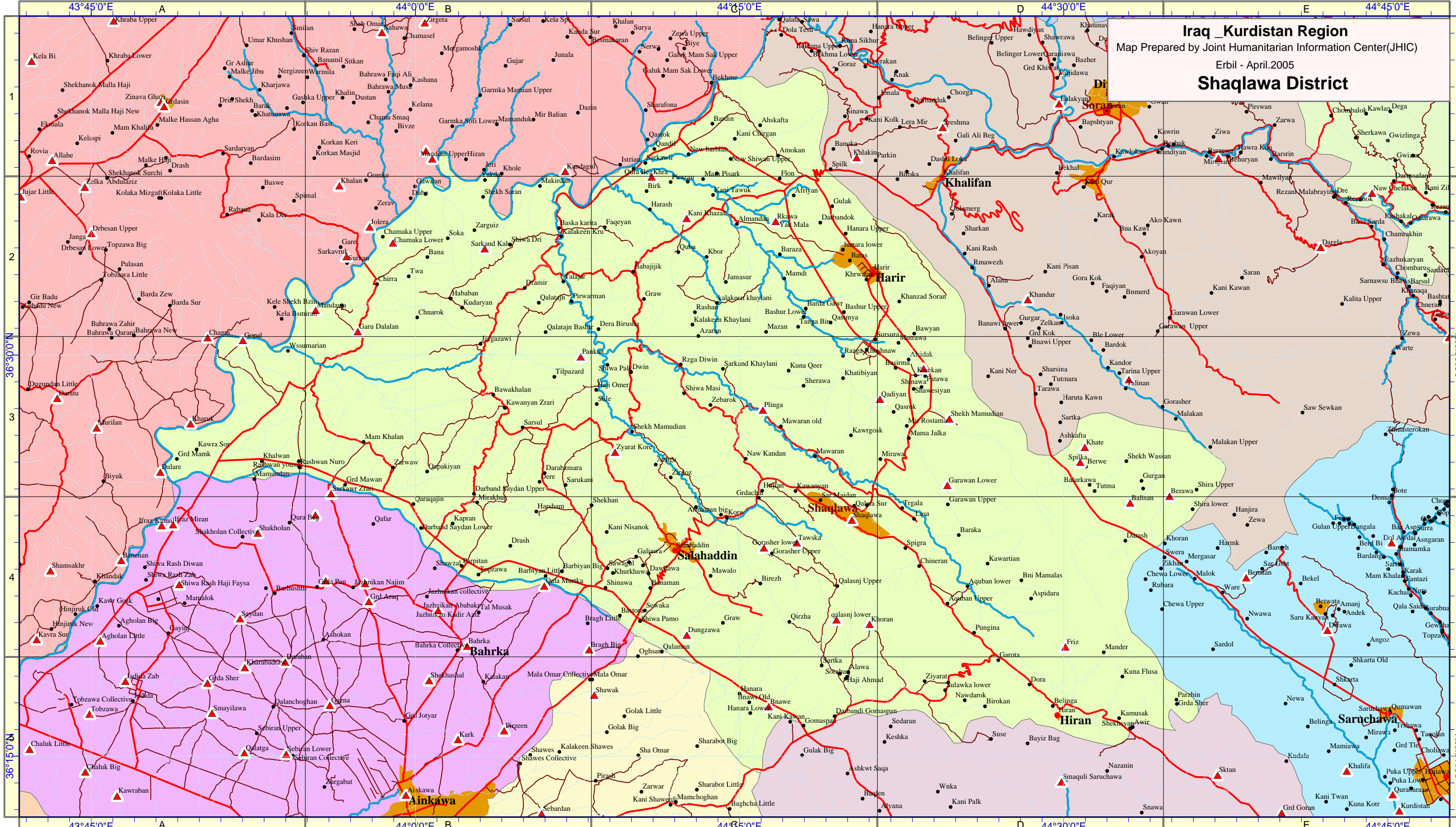
International Boundary	Rivers	Sub district Center
Governorate Boundary	Streams	Villages
Built up	Major roads	Sample Villages
Lake	Secondary roads	Governorate Center
	District Center	

Erbil District
 Winter Crops Survey 2004-2005
 Location of Sample Village



8 4 0 8 16 Kilometers

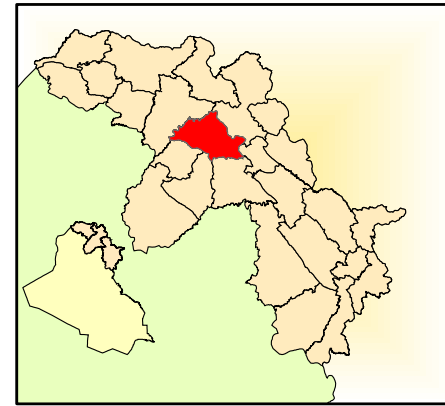
1 Cm equals 2.5 Km 68



Legend

International Boundary	Rivers	Sub district Center
Governorate Boundary	Streams	Villages
Built up	Major roads	Sample Villages
Lake	Secondary roads	Governorate Center
		District Center

Shaqlawā District
 Winter Crops Survey 2004-2005
 Location of Sample Village



1 Cm equals 3 Km



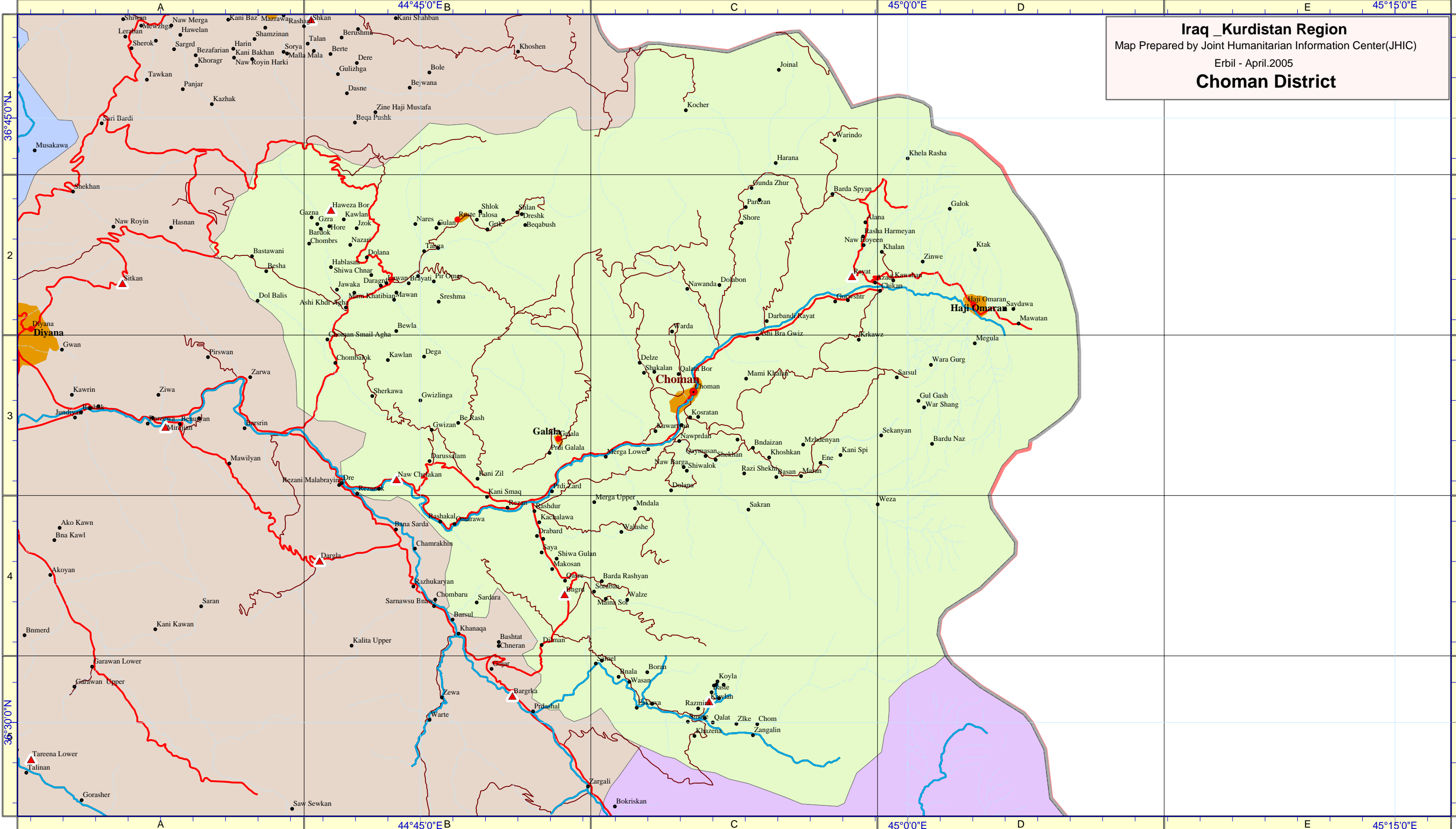


Legend

International boundary	Streams	Villages
Governorate boundary	Major roads	Sample Villages
Built up	Secondary roads	
Lake	Governorate center	
Rivers	Districts center	
	Sub district center	

Soran District
 Winter Crops Survey 2004 - 2005
 Location of Sample Village

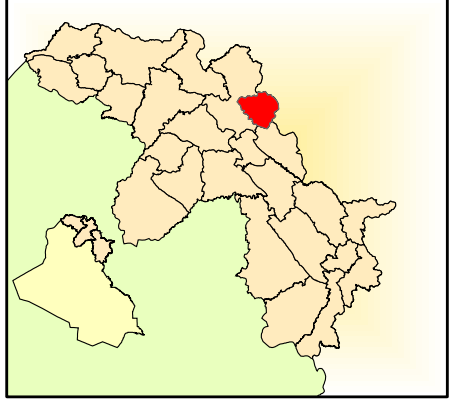
1 Cm equals 2 Km



Legend

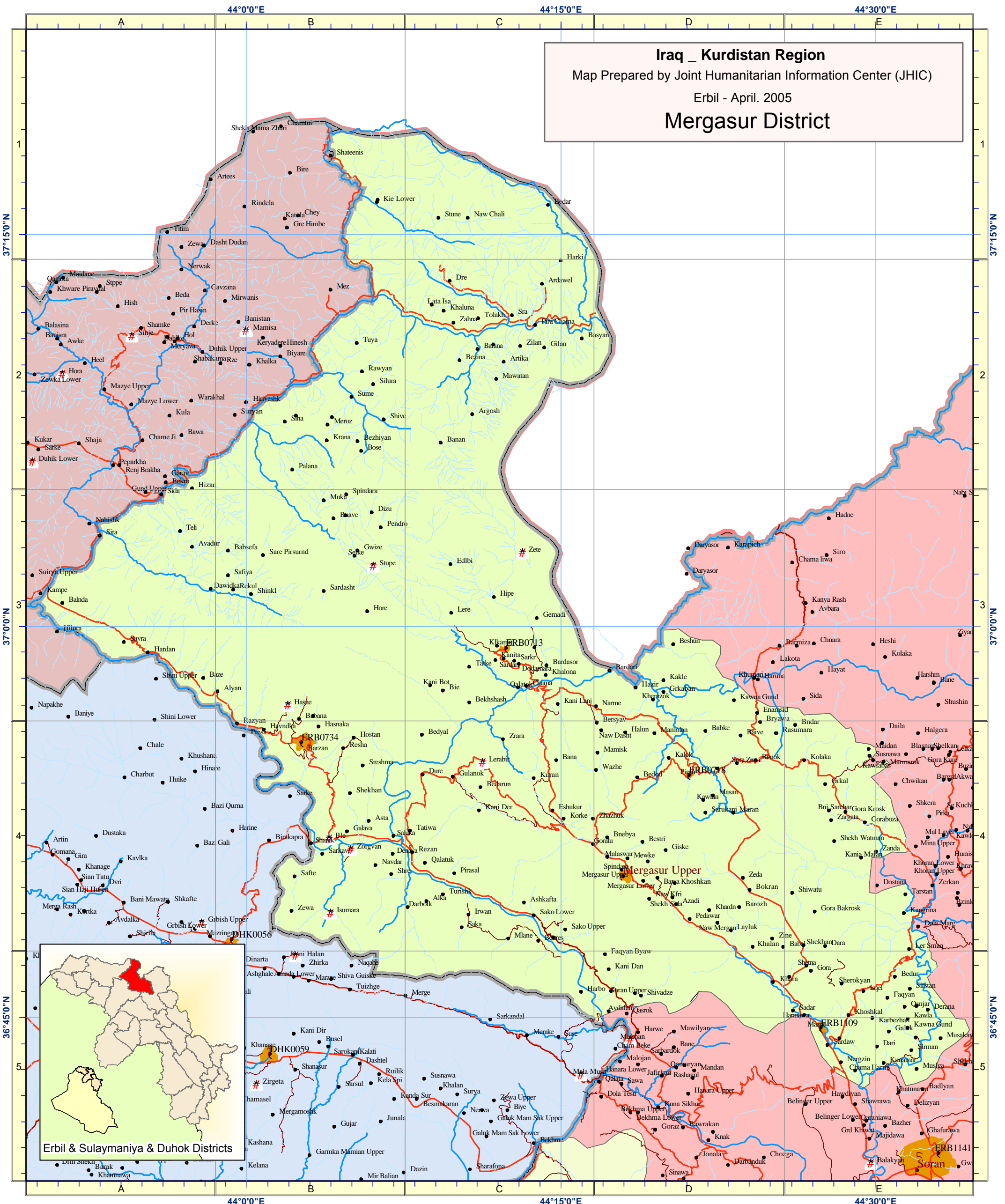
International Boundary	Rivers	Sub district Center
Governorate Boundary	Streams	Villages
Built up	Major roads	Sample Villages
Lake	Secondary roads	Governorate Center
		District Center

Choman District
 Winter Crops Survey 2004-2005
 Location of Sample Village



1 Cm equals 2 Km



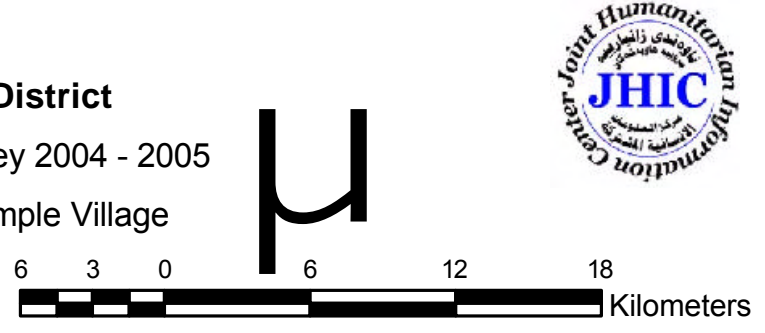


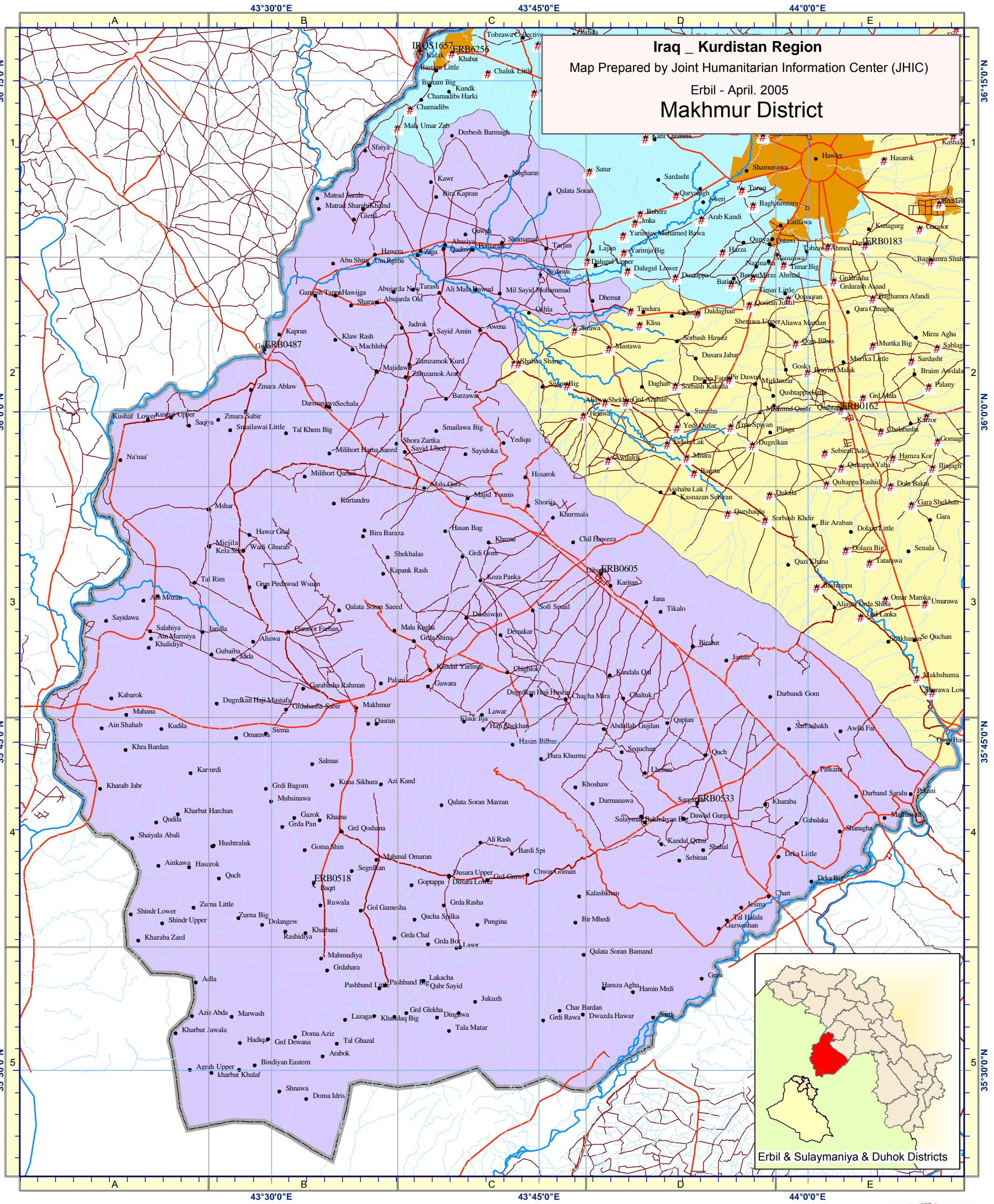
Iraq _ Kurdistan Region
 Map Prepared by Joint Humanitarian Information Center (JHIC)
 Erbil - April, 2005
Mergasur District

Legend

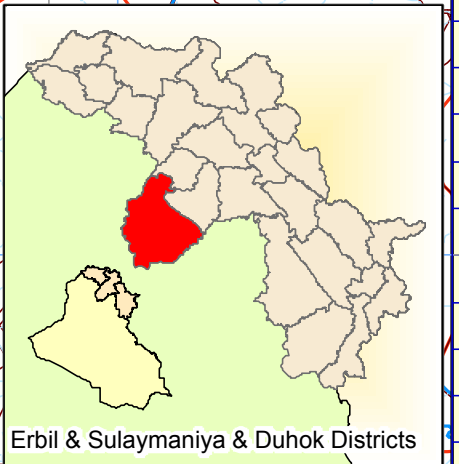
International boundary	Streams	Villages
Governorate boundary	Major roads	Sample Villages
Built up	Secondary roads	
Lake	Governorate center	
Rivers	Districts center	
	Sub district center	

Mergasur District
 Winter Crops Survey 2004 - 2005
 Location of Sample Village





Iraq - Kurdistan Region
 Map Prepared by Joint Humanitarian Information Center (JHIC)
 Erbil - April. 2005
Makhmur District



Legend

International boundary	Streams	Villages
Governorate boundary	Major roads	Sample Villages
Built up	Secondary roads	
Lake	Governorate center	
Rivers	Districts center	
	Sub district center	

Makhmur District
 Winter Crops Survey 2004 - 2005
 Location of Sample Village

1 Cm equals 4 Km

Figure 52. Winter crops survey. Erbil Center - Ainkawa Subdistrict - Village size distribution

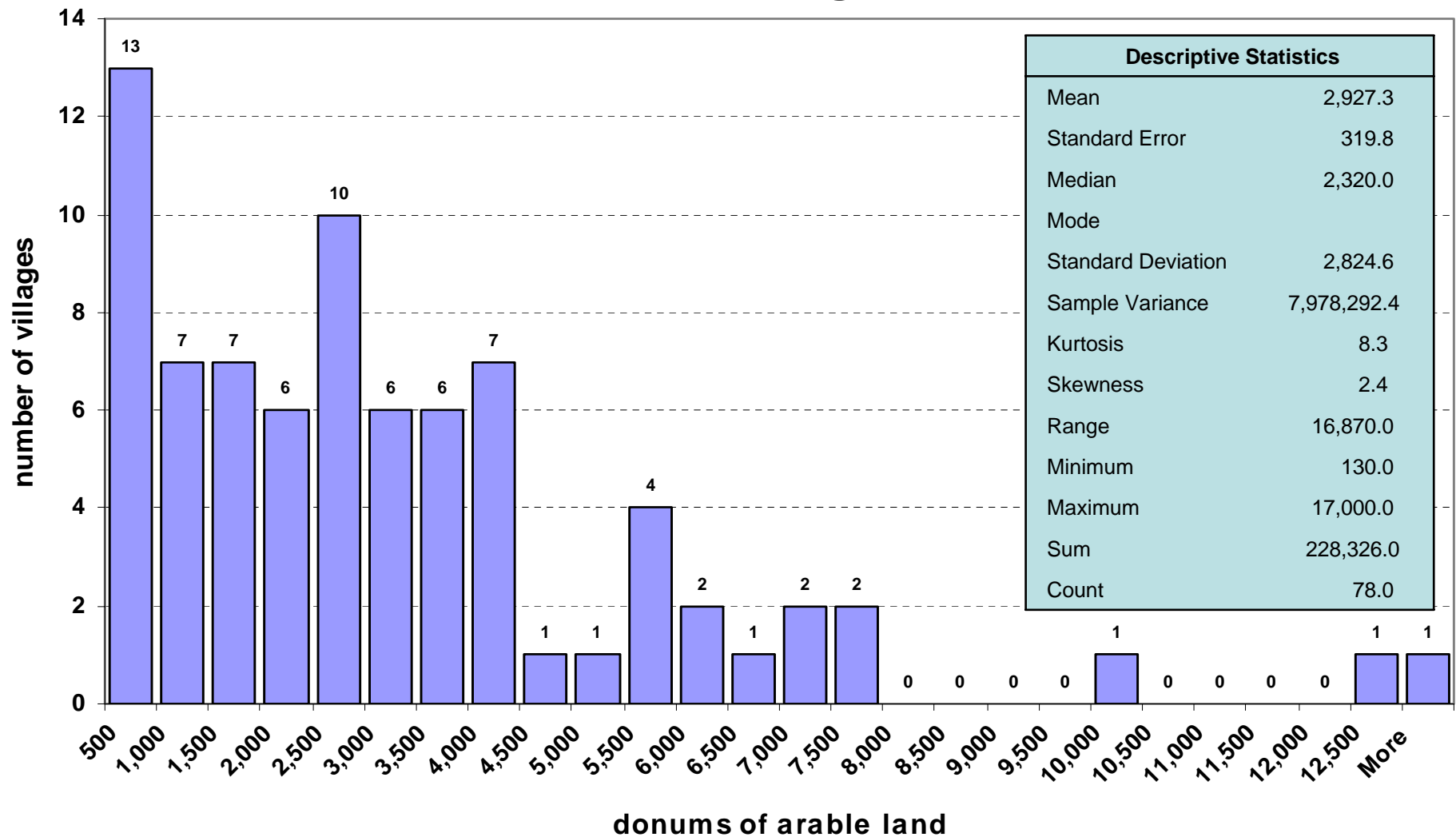


Figure 53. Winter crops survey. Erbil Center - Khabat Subdistrict - Village size distribution

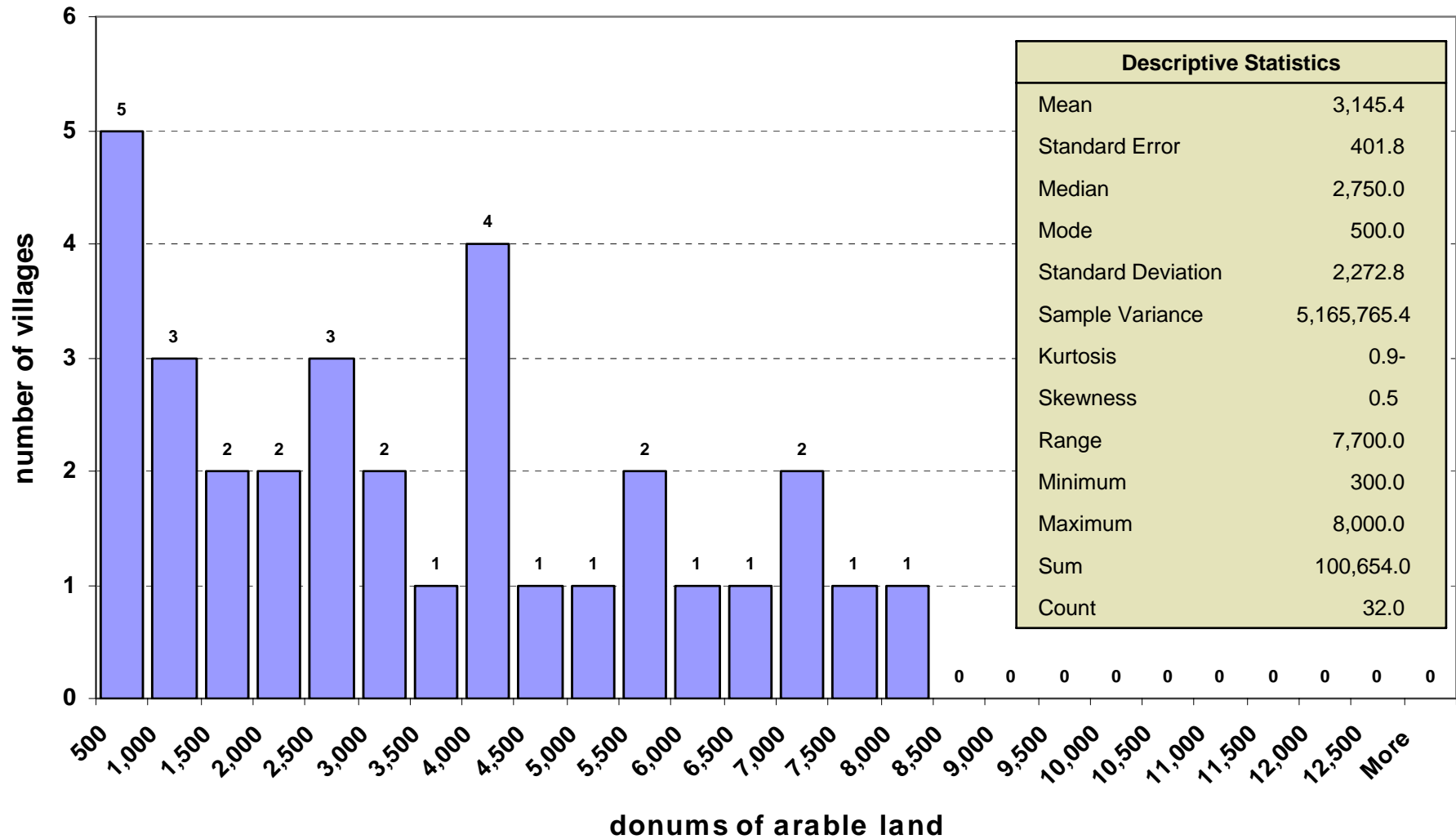


Figure 54. Winter crops survey. Erbil Center - Qushtapa Subdistrict - Village size distribution

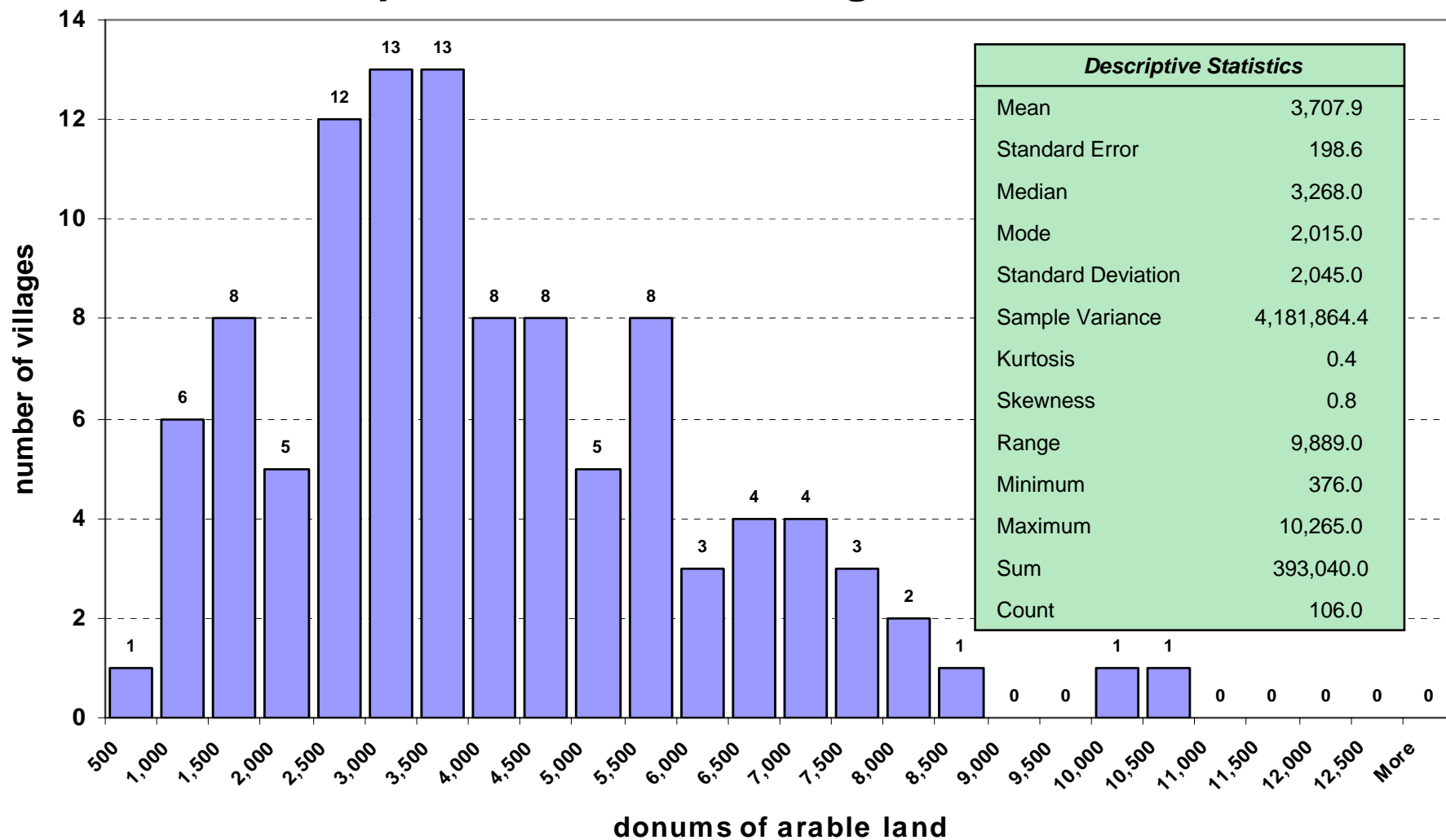


Figure 55. Erbil Winter crops survey. Shaqqlawa district - Village size distribution

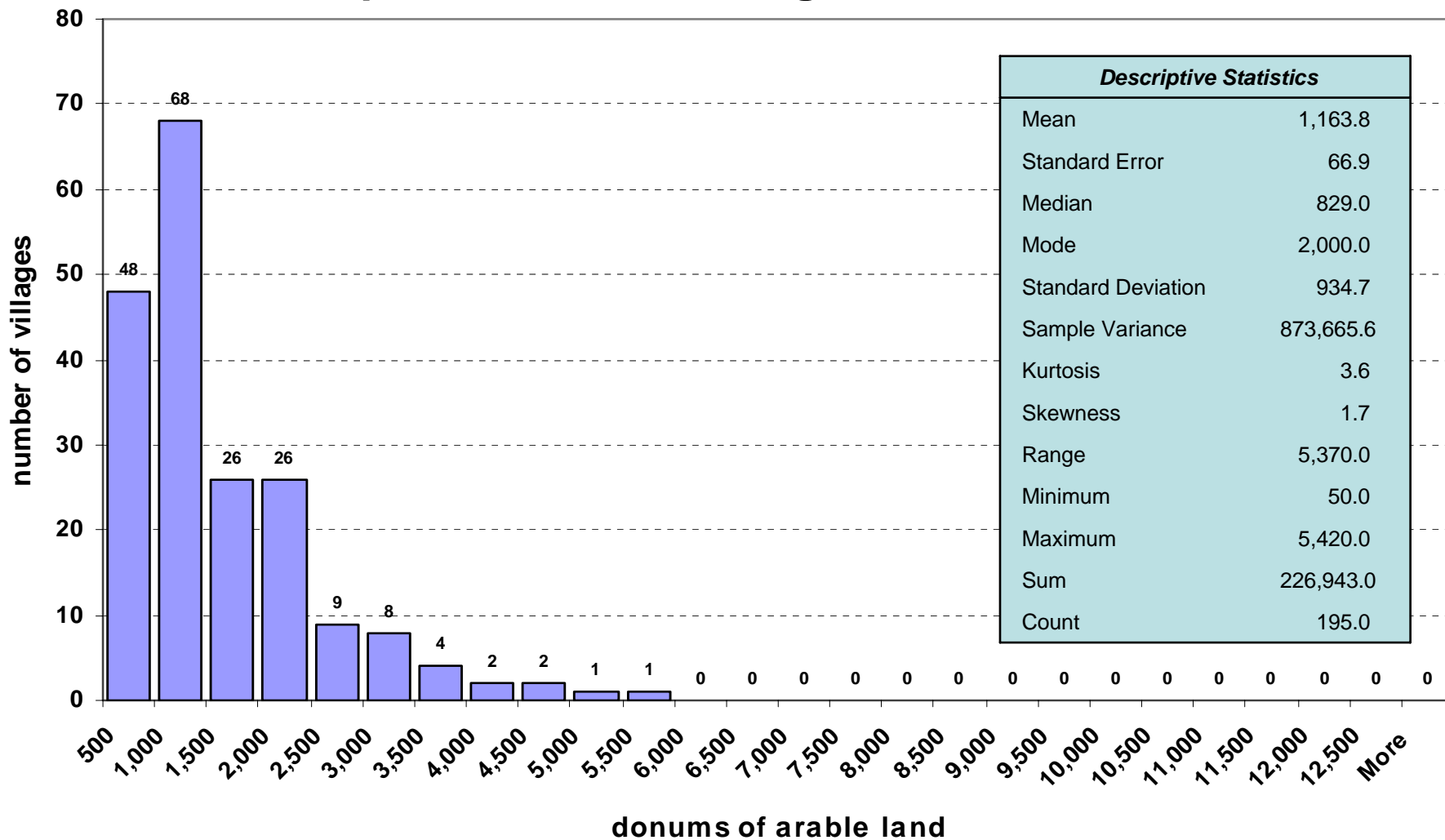


Figure 56. Erbil Winter crops survey. Soran District - Village size distribution

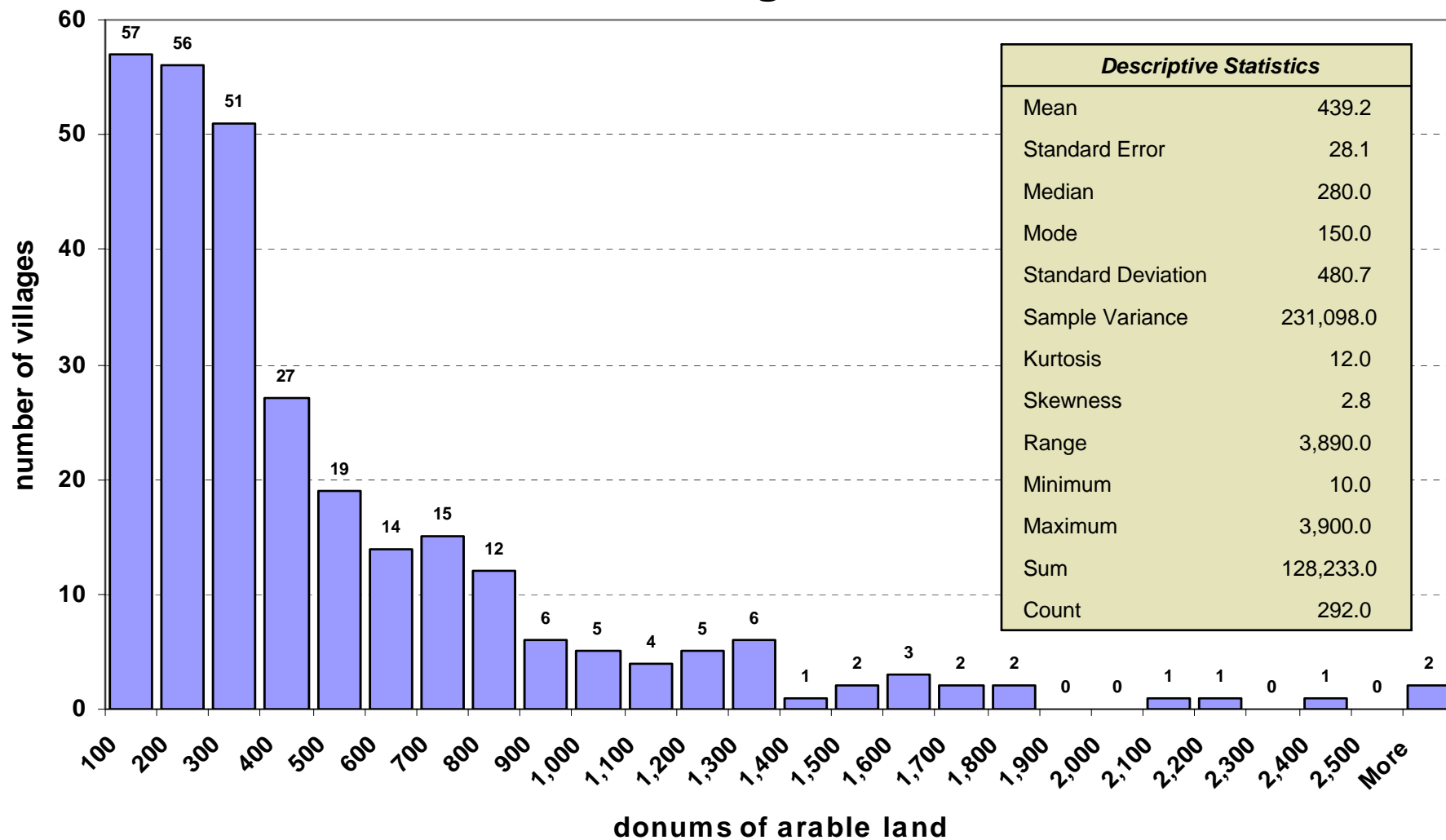


Figure 57. Erbil Winter crops survey Choman District - Village size distribution

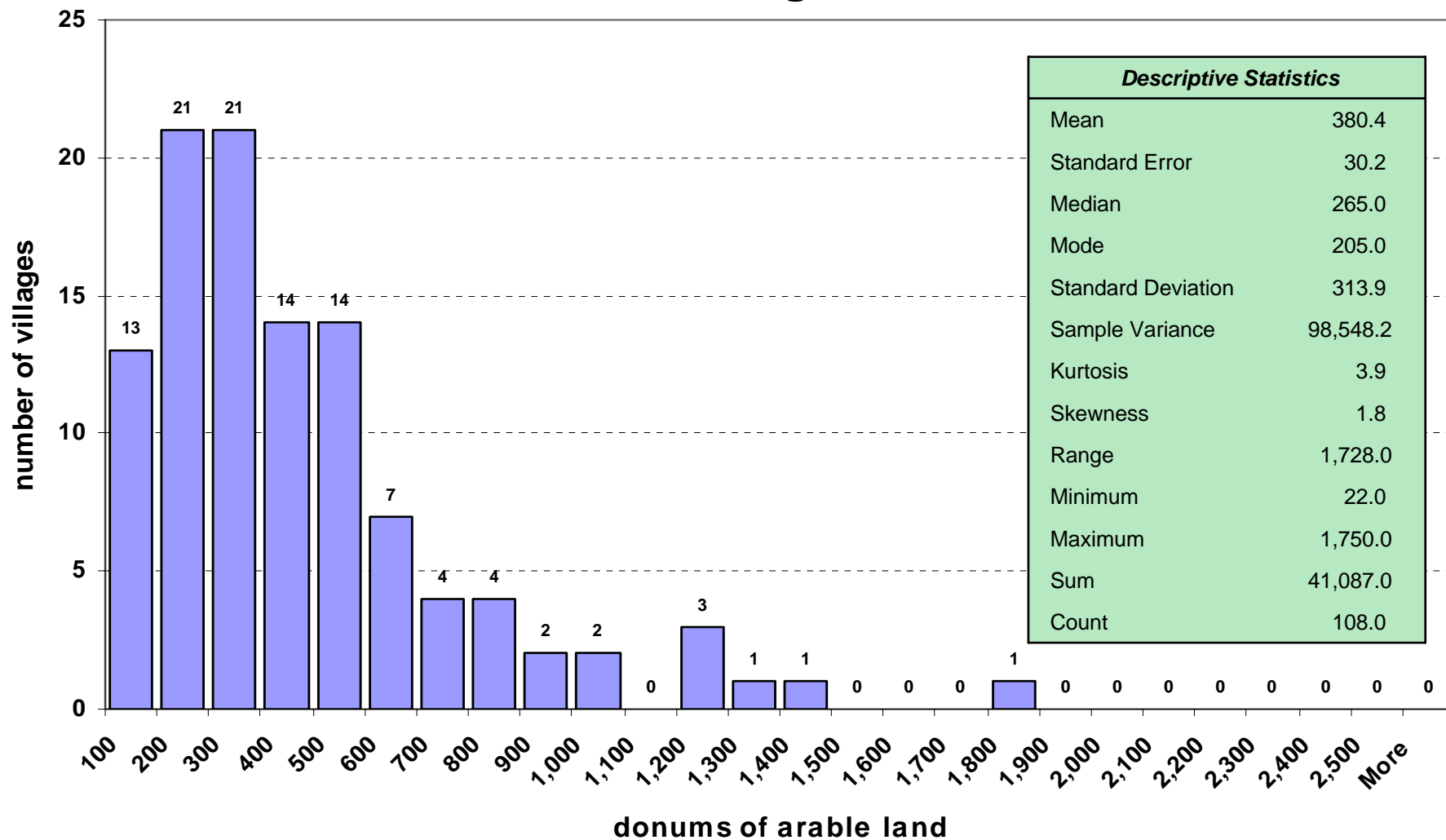


Figure 58. Erbil Winter crops survey Mergasor District - Village size distribution

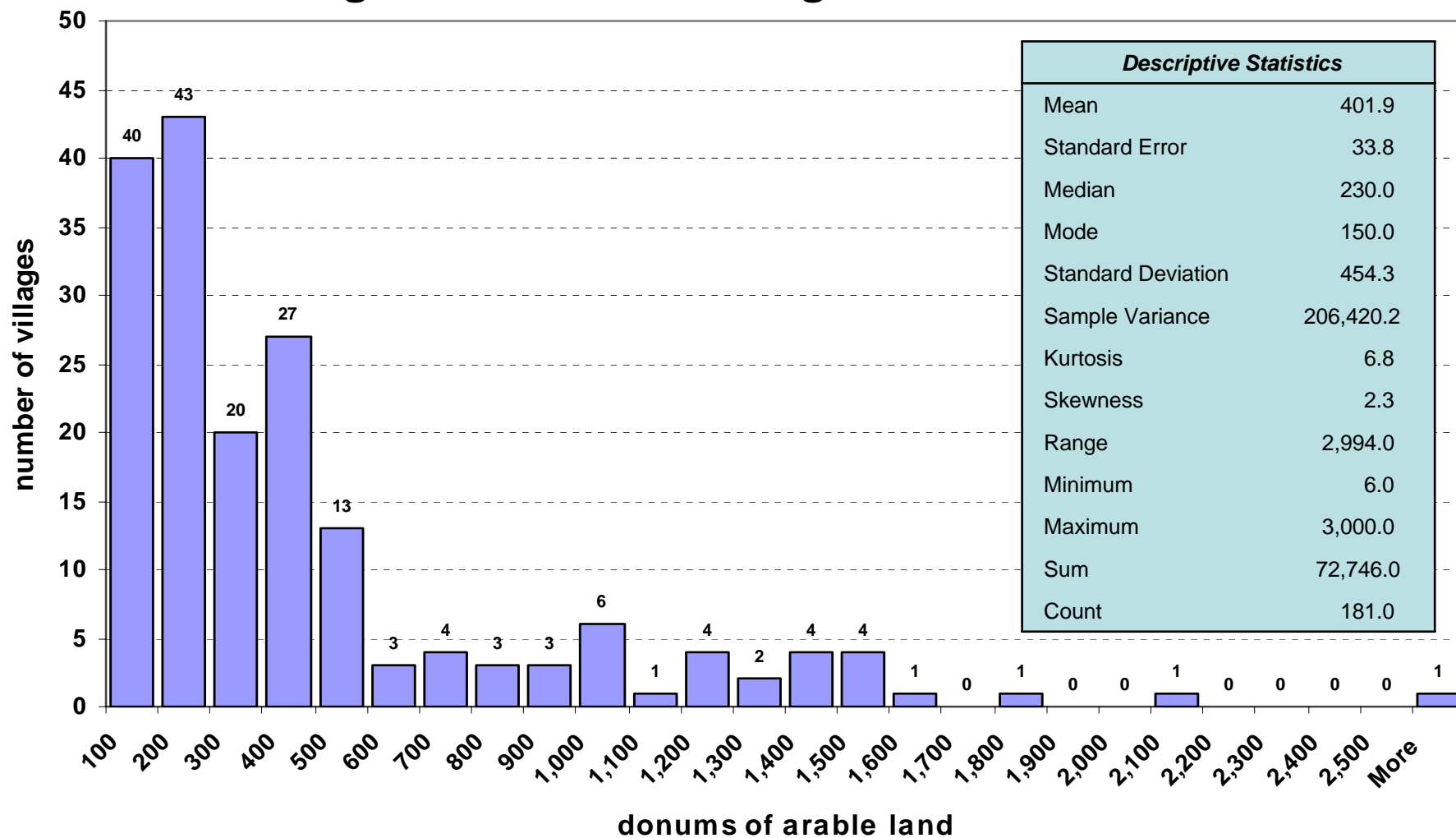
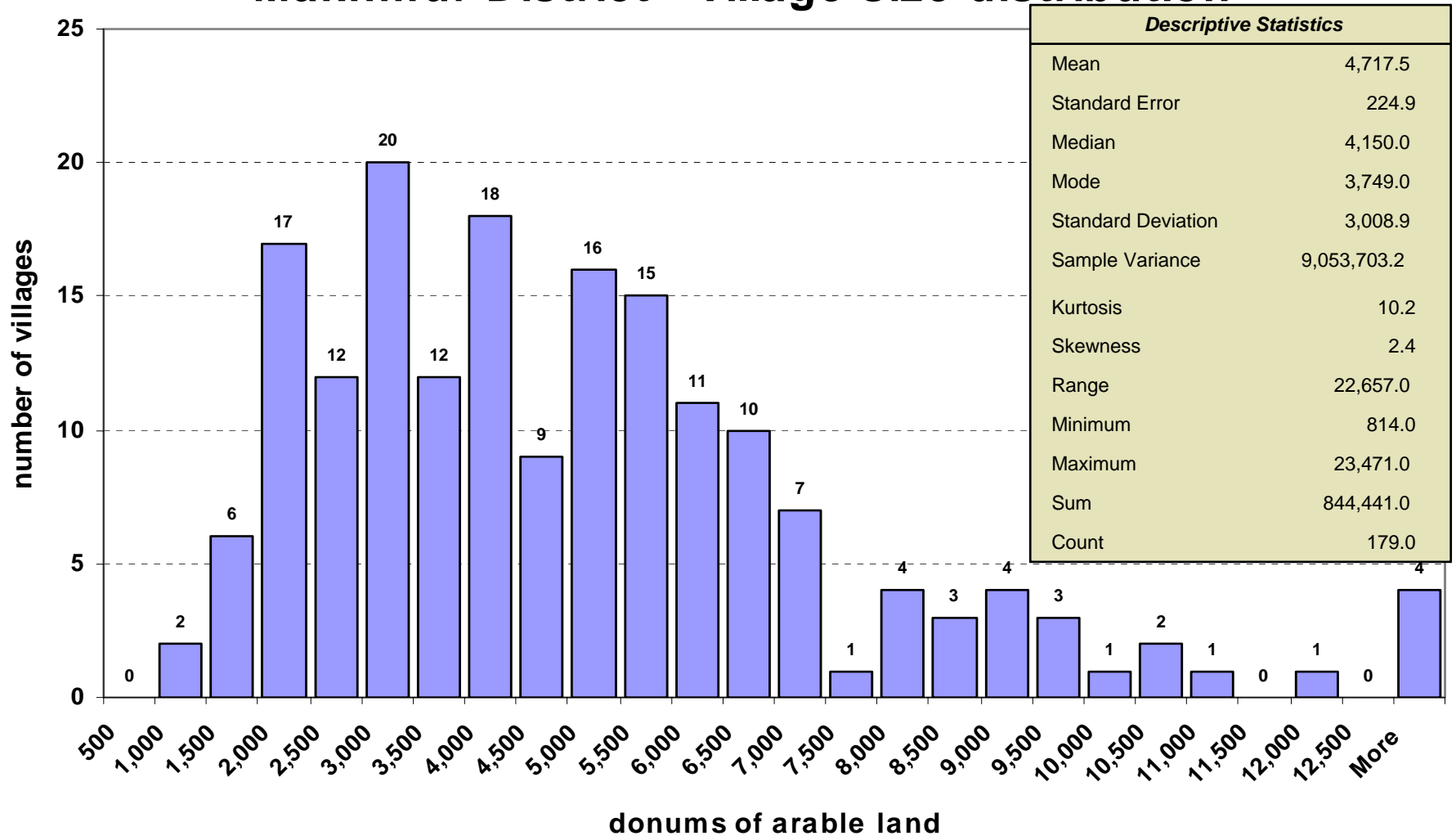


Figure 59. Erbil Winter crops survey - 2004-2005

Makhmur District - Village size distribution



VILLAGE STATISTICS SURVEY FOR THE YEAR 2000
Areas (Donum) of Cultivated Crops

Table 15

Governorate	District	Sub-District	Wheat	Barley	Chickpea	Lentil	Winter Vegetables	Summer Crops & Vegetables	Fallow Areas
Governorat Erbil									
	District : Erbil Center								
		<i>Total Sub-District : Ainkawa</i>	96,179	64,634	2,438	677	3,036	13,353	48,009
		<i>Total Sub-District : Khabat</i>	59,083	36,449	52	7	2,060	7,442	43,314
		<i>Total Sub-District : Qushtapa</i>	109,328	159,693	40	37	5,112	11,936	106,694
		<i>Total Sub-District : Warsh</i>							
		Total District : Erbil Center	264,590	260,776	2,530	721	10,208	32,731	198,017
	District : Quaisinjak								
		<i>Total Sub-District : Quaisinjak</i>	14,553	10,709	3,372	817	2,565	7,858	41,712
		<i>Total Sub-District : Shorsh</i>	25,259	20,157	3,472	717	588	2,250	42,128
		<i>Total Sub-District : Taqtaq</i>	17,662	13,915	1,816	1,096	3,389	12,761	66,572
		Total District : Quaisinjak	57,474	44,781	8,660	2,630	6,542	22,869	150,412

VILLAGE STATISTICS SURVEY FOR THE YEAR 2000
Areas (Donum) of Cultivated Crops

Table 15, cont.

Governorate	District	Sub-District	Wheat	Barley	Chickpea	Lentil	Winter Vegetables	Summer Crops & Vegetables	Fallow Areas
	District :	Shaqlawā							
		<i>Total Sub-District : Harir</i>	38,393	6,323	7,640	453	923	6,195	33,259
		<i>Total Sub-District : Khoshnaw</i>	9,268	4,037	2,178	294	902	2,062	16,410
		<i>Total Sub-District : Salahadin</i>	54,795	22,220	5,868	749	686	6,657	39,659
		Total District : Shaqlawa	102,456	32,580	15,686	1,496	2,511	14,914	89,328
	District :	Soran							
		<i>Total Sub-District : Diana</i>	10,368	6,254	1,794	733	319	2,698	8,511
		<i>Total Sub-District : Khalifan</i>	10,583	5,369	1,614	799	1,358	6,285	12,397
		<i>Total Sub-District : Rawanduz</i>	6,060	3,009	360	214	940	5,774	11,266
		<i>Total Sub-District : Sidakan</i>	7,884	3,059	212	70	110	4,715	16,568
		Total District : Soran	34,895	17,691	3,980	1,816	2,727	19,472	48,742

VILLAGE STATISTICS SURVEY FOR THE YEAR 2000
Areas (Donum) of Cultivated Crops

Table 15, cont.

Governorate	District	Sub-District	Wheat	Barley	Chickpea	Lentil	Winter Vegetables	Summer Crops & Vegetables	Fallow Areas
	District :	Choman							
		<i>Total Sub-District : Choman</i>	980	697	35	42		1,057	2,803
		<i>Total Sub-District : Galala</i>	7,337	4,753	305	281	64	4,846	7,427
		<i>Total Sub-District : Haji Omaran</i>	1,241	374	24	18		2,234	4,838
		Total District : Choman	9,558	5,824	364	341	64	8,137	15,068
	District :	Mergasor							
		<i>Total Sub-District : Barzan</i>	8,839	3,749	928	310		367	15,281
		<i>Total Sub-District : Mergasor</i>	6,048	2,072	301	117	20	948	13,799
		<i>Total Sub-District : Sheruan Mazn</i>	740	748	177	117	20	163	18,932
		Total District : Mergasor	15,627	6,569	1,406	544	40	1,478	48,012
		Total Governorate : Erbil	484,600	368,221	32,626	7,548	22,092	99,601	549,579

Iraq Governorates and Districts

Figure 61

- ANBAR (01)
02 Abu Ghraib
13 Falluja
24 Al-Ka'im
25 Kadhimiya
45 Ramadi
48 Al-Rutba
59 Ana
72 Haditha
74 Heet
- BABYLON (06)
(BABIL)
19 Hashimiya
22 Hilla
31 Al-Mada'in
32 Al-Mahawil
33 Mahmudiya
40 Al-Musayab
- BAGHDAD (07)
06 Adhamiya
- BASRAH (02)
01 Abu Al-Khaseeb
09 Basrah
14 Fao
37 Al-Midaina
44 Al-Qurna
56 Al-Zubair
91 Shatt Al-Arab
- DAHUK (08)
58 Amedi
69 Dahuk
96 Sumel
102 Zakho
- DIYALA (10)
27 Al-Khalis
39 Al-Muqadadiya
60 Ba'quba
64 Baladrooz
77 Khanaqin
78 Kifri
- ERBIL (11)
66 Choman
71 Erbil
80 Koisnaja
82 Makhmur
83 Mergasur
89 Shaqlawa
94 Soran
- KERBALA (12)
04 Ain Al-Tamur
23 Al-Hindiya
76 Kerbala
- MISSAN (14)
07 Amara
26 Al-Kahla
34 Al-Maimouna
36 Al-Mejar Al-Kabi
57 Ali Al-Gharbi
86 Qal'at Saleh
- MUTHANNA (03)
28 Al-Khidhir
47 Al-Rumaitha
49 Al-Salman
50 Al-Samawa
- NAJAF (17)
29 Kufa
35 Al-Manathera
42 Najaf
- NINEWA (15)
05 Akre
08 Al-Ba'aj
17 Al-Hamdaniya
20 Hatra
38 Mosul
53 Al-Shikhan
92 Shekhan
93 Sinjar
98 Telafar
100 Tilkaif
- QADISSIYA (04)
03 Afaq
12 Diwaniya
18 Hamza
51 Al-Shamiya
- SALAH AL-DIN (18)
11 Al-Daur
15 Al-Faris
54 Al-Shirqat
62 Baiji
63 Balad
88 Samarra
99 Tikrit
101 Tooz

- SULAYMANIYAH (05)
65 Chamchamal
68 Darbandihkan
70 Dokan
73 Halabja
75 Kalar
84 Penjwin
85 Pshdar
87 Rania
90 Sharbazher
95 Sulaymaniya
- TAMEEM (13)
21 Al-Hawiga
67 Daquq
79 Kirkuk
81 Makhmur
- THI-QAR (09)
10 Al-Chibayish
43 Nassriya
46 Al-Rifa'i
52 Al-Shatra
97 Suq Al-Shoyokh
- WASSIT (16)
16 Al-Hai
30 Kut
41 Al-Na'maniya
55 Al-Suwaira
61 Badra



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