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Balkh Province Agricultural Profile 2008



Prepared by the National Agriculture Information System (NAIS)/AgNet
for the Afghan Ministry of Agriculture, Irrigation and Livestock (MAIL)

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Agriculture

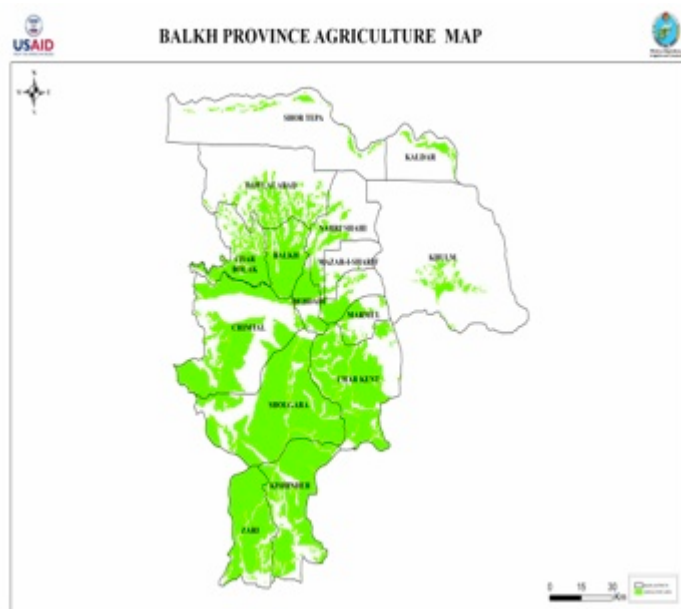
Profile and Data

In Balkh Province



Balkh Brief Introduction:

Balkh is an agricultural and industrial based province of northern Afghanistan located between 35.37 40 - 67 degrees latitude and 68.20--66.25 degrees longitude. Balkh borders the provinces of Kunduz and Samangan to the east, Jowzjan to the west, Saripul to the south and Uzbekistan to the north. Balkh has 15 districts that cover a total area of 19,043.12 square kilometers of which 113,212 hectares are cultivated. Balkh has a total of 1,182 villages with an estimated population of 83,200 people based on 2008 census data. Balkh is famous for producing pistachios, cashmere and wool and majority of its inhabitants raise sheep, cattle and goats.

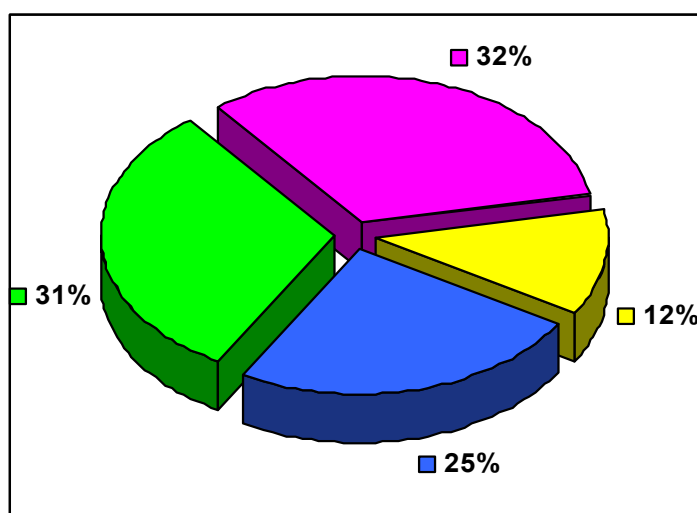


In 2008 Balkh farmers grew 43 different crops on approximately 222,469 hectares of land (12.76 percent of total area). The cultivated area is more concentrated in the southern and central districts of the province due to the fertile land found in Balkh River basin. Ninety percent of the cultivated land is concentrated in 10 of the 16 districts of Balkh province. Farmers raise livestock in all districts because of the proximity to Mazar-e-Sharif, the provincial capital which is a major center of trade in northern Afghanistan.

Balkh provincial districts are:

- | | | | | |
|------------------|---------------|------------|-------------|---------------|
| 1. Khulm | 2. Nahrishahi | 3. Balkh | 4. Chemtal | 5. Dowlatabad |
| 6. Char bolak | 7. Charkent | 8. Dehdadi | 9. Sholgara | 10. Koshenda |
| 11. Mazar Sharif | 12. Shortepa | 13. Zari | 14. Marmal | 15. Kaldar |
| 16. Chahi | | | | |

The total 2008 crop production surveyed in Balkh province was 596,956 metric tons (MT) with most of the production focused on vegetable (32.88 percent), followed by animal fodder (30.59 percent), fruit (20.02 percent), grain (16.26 percent) and industrial crop (0.02 percent). The total market value of the 2008 agricultural production was estimated at \$63,054,325 with no relevant value-added processing.



Charbolack district was the largest in terms of agricultural production (24 percent of all products) in Balkh province as shown in annex 2. Sholgara district followed with 15 percent, Khulm and Dehdadi placed third with 11 percent of total products. Farmers in Sholgara district grew high volumes of wheat and industrial crops; Charbolack district took the lead in melon production; Nahrishahi accounted for the most vegetables, and Khulm generated the highest amounts of forage and fruits in 2008.

Research Methodology

This report was prepared based on information provided by AgNet/NAIS system. In 2007 and 2008 AgNet Conducted two separate surveys (1) district profile survey and (2) agricultural statistic survey in 19 provinces of Afghanistan with the support of ASAP and MAIL at district level. During a period of 4 months each, more than 50 surveyors collected information related to the number of hectares land cultivated types of products produced number of livestock, crop calendar, sources of water and much more agricultural information. The information presented in this report is based exclusively in the area surveyed, not in the total farm land of the provinces. The AgNet/NAIS data base for Kapisa is the most accurate database available in the country in spite there is not estimation rewarding the level of exactitude of the information. All data related to harvest amounts was checked in July 2008 by ASAP personnel (Prof. A. Ghani Taj Agricultural Information Specialist and former professor of Kabul University and Ahmad Jawid Abid Survey and Data Assistant) by comparing the national average productivity level of each products. Crop value information was determined on wholesale price in Balkh and collected by Balkh AgNet officer Mr. Shirshah and approved by deputy director of Balkh Provincial Agriculture department Mr. M.Ismahil Haydarzada in October 2008.

Grains

In 2008, farmers were surveyed to have produced 168,100 MT of grains, equating to \$101 million on the market. Of all the grains, over two thirds (71.26 percent) was made up of major food staple wheat (worth \$62.2 million) and the remaining 29.7 percent comprised other grain crops worth \$39 million.

Grain	Tons	Value USD \$
Rice	13,167	\$ 14,789,175
Wheat	119,799	\$ 62,285,256
Barley	41,673	\$ 19,169,741
Maize	6,182	\$ 2,102,012
Mung bean	1,581	\$ 790,720
Pea	3,659	\$ 2,195,460
Red Bean	4	\$ 4,060
Millet	35	\$ 17,490
Total	186,100	\$ 101,353,914

Farmers grew wheat and barley in all districts of Balkh province with the exception of Shortepa. Sholgara district produced 28.2 percent of all of Balkh's wheat and Chahi grew a high amount of barley (63.7 percent) and of all barley in Balkh in this year.

	Rice	Wheat	Barley	Maize	Mung bean	Pea	Red bean	Millet
Khulm	-	1,180,000	3,072,000	7,000	-	7,000	-	-
Nahri shahi	-	5,880,000	3,027,500	200,000	210,000	34,950	-	-
Balkh	-	16,904,244	1,566,240	96,960	341,950	-	-	-
Dowlat Abad	-	11,786,250	3,100,360	26,979	44,000	875,000	-	-
Charbolack	-	5,562,584	1,021,280	245,000	21,000	1,120,000	3,500	-
Dehdadi	-	16,450,000	875,000	-	-	302,400	-	-
Chemtal	-	15,344,500	623,000	840,000	588,000	456,750	-	-
Charkent	-	1,050,000	726,000	-	120,000	120,000	-	-
Koshenda	105,000	481,000	120,000	-	-	25,000	-	-
Sholgara	9,408,000	33,817,500	377,790	3,360,000	224,000	3,000	-	34,980
Chahi	-	7,706,000	26,584,000	26,450	22,000	700,000	-	-
Mazar-e- Sharif	-	321,500	96,000	60,000	10,500	-	-	-
Zari	-	1,649,760	244,180	-	-	15,000	-	-
Shortepa	2,520,000	336,000	-	1,120,000	-	-	-	-
Kaldar	1,134,000	1,190,000	210,000	200,000	-	-	-	-
Marmul	-	120,000	30,000	-	-	-	-	-
Total	13,167,000	119,779,338	41,673,350	6,182,389	1,581,450	3,659,100	3,500	34,980

Fruits

Fruits	Tons	Value USD \$
Grape	20,837	\$ 18,753,183
Apple	1,989	\$ 1,193,280
Mulberries	1,820	\$ 727,960
Almond	7,538	\$ 40,702,392
Plum	787	\$ 450,897
Apricot	3,568	\$ 2,315,452
Pomegranate	10,955	\$ 9,859,860
Peach	1,714	\$ 1,199,687
Melon	32,985	\$ 14,513,418
Water melon	97,837	\$ 37,177,930
Walnut	255	\$ 610,800
Other Fruit	13,590	\$ 94,657,880
Total	193,875	\$ 222,162,739

Balkh province's annual fruit production surveyed in 2008 was estimated at 193,875 MT (worth over \$222 million). By volume melons and watermelons represent 67.47 percent of all fruits grown in the province and have the highest market value (\$51.6 million). Almonds, grapes and pomegranates were the second highest valued fruits for Balkh farmers, generating \$69 million.

Of all 16 districts of Balkh, Charbolack district was the highest producer of melons and watermelons (109,000 MT). Khulm district led in pomegranate production with 91 percent. Farmers in Nahrishahi and Khulm district grew the largest volumes of almonds (2,928,000 MT and 1,470,000 MT, respectively).

	Grape	Apple	Mulberries	Almond	Plum	Apricot	Pomegranate	Peach	Melon	W.Melon	Walnut	Other Fruits
Khulm	66,600	-	587,300	1,470,000	-	70,000	10,010,000	-	800,000	200,000	-	12,810,000
Nahri shahi	432,000	52,000	416,000	2,928,000	25,200	468,000	32,000	36,750	525,000	840,000	52,500	11,550
Balkh	140,550	118,800	-	191,040	-	110,760	120,000	89,040	83,200	111,000	8,000	-
Dowlat Abad	7,360,000	40,000	465,000	603,000	166,000	55,000	87,000	41,000	273,720	1,234,530	400	430
Charbolack	875,000	-	-	647,500	-	-	-	-	21,000,000	88,000,000	-	-
Dehdadi	7,600,000	1,680,000	-	157,500	394,800	2,364,000	420,000	1,367,100	6,370,000	3,360,000	88,200	-
Chemtal	72,000	-	-	264,000	14,000	300,000	160,000	94,500	482,000	403,000	105,000	52,000
Charkent	-	-	-	-	-	-	-	-	35,000	35,000	-	-
Koshenda	2,800	-	-	840	-	1,500	400	-	350,000	350,000	-	700,000
Sholgara	367,920	-	-	-	6,996	6,960	-	16,998	2,702,400	1,801,600	-	12,000
Chahi	3,680,000	40,000	310,000	301,500	166,000	55,000	87,000	41,000	273,720	1,234,530	400	4,300
Mazar-i-Sharif	60,000	52,000	41,600	960,000	14,000	96,000	32,000	26,250	21,000	210,000	-	-
Zari	-	-	-	-	-	18,460	-	-	-	-	-	-
Shortepa	40,000	6,000	-	10,000	-	20,000	5,000	1,200	20,000	15,000	-	-
Kaldar	-	-	-	-	-	-	-	-	35,000	35,000	-	-

Vegetables

Vegetable production surveyed in Balkh province during 2008 was mated at 69,620 MT and was valued at almost \$27 million. Balkh farmers cultivated more than 10 different types of vegetables but only 3 reached volumes over 15,000 MT annually. Tomato, onion and eggplant represent 73.6 percent of the total vegetable production.

Vegetables	Tons	Value USD
Potato	273	\$
Onion	15,247	\$
Tomato	15,555	\$
Eggplant	20,453	\$
Okra	3,609	\$
Cucumber	3,247	\$
Red Radish	537	\$
Carrot	2,199	\$
Other Vegetable	8,500	\$
Total	69,620	\$ 27,4

Tomatoes and onions are grown in all districts of Balkh as shown in the following table. While Dehdadi and Center produced 71.6 percent of the total amount of tomatoes grown in Balkh, almost all (96 percent) of egg was produced in Nahri Shahi and Mazar Center districts in 2008.

	Potato	Onion	Tomato	Eggplant	Okra	Cucumber	Round Red Reddish	Carrot
Khulm	-	1,050,000	350,000	175,000	-	-	-	140,000
Nahri shahi	-	9,800,000	4,984,920	18,333,250	600,000	52,500	375,000	170,000
Balkh	26,640	1,500	252,360	97,600	-	-	-	
Dowlat Abad	70,000	444,000	898,000	65,000	10,000	-	-	
Charbolack	70,000	840,000	1,260,000	198,000	1,425,000	262,500	-	750,000
Dehdadi	-	1,050,000	3,937,500	12,200	945,000	2,800,000	-	420,000
Chemtal	-	175,000	84,000	-	-	-	-	
Charkent	-	-	-	-	-	-	-	
Koshenda	-	-	2,000	-	-	39,200	-	16,800
Sholgara	36,060	56,000	607,700	40,000	9,000	40,000	12,000	52,000
Chahi	70,000	556,500	898,000	65,000	10,000	-	-	
Mazar-i-Sharif	-	1,050,000	2,215,520	1,466,660	600,000	52,500	150,000	
Zari	-	-	-	-	-	-	-	
Shortepa	-	224,000	40,000	-	10,000	-	-	50,000
Kaldar	-	-	-	-	-	-	-	600,000
Marmul	-	-	25,000	-	-	-	-	
Total	272,700	15,247,000	15,555,000	20,452,710	3,609,000	3,246,700	537,000	2,198,800

Fodder & Industrial Crops

The amount of alfalfa is directly related with the number of livestock raised in Balkh. However, clover indirectly corresponds to the number of dairy cows and is also consumed by humans, especially those living in poverty. \$27 million worth of alfalfa and clover were grown in the province in 2008. Cotton and flax are other important industrial crops, generating \$10.6 million for Balkh farmers in 2008.

Fodder and Industrial	Tons	Value USD \$
Alfalfa	60,028	\$ 18,008,400
Clover	30,160	\$ 9,048,030
Cotton	46,758	\$ 56,110,080
Flax	8,984	\$ 50,311,540
Sesame	1,447	\$ 4,406,248
Total	147,377	\$ 137,884,298

Khulm and Charbolack districts produced more than 50 percent of all alfalfa grown in Balkh. Sholgara led the province in terms of cotton production (78 percent) and farmers in Khulm district grew the most clover (24,036 MT). Alfalfa, cotton and sesame are common sources of animal fodder that were planted throughout most of Balkh province in 2008.

	Alfalfa	Clover	Cotton	Flax	Sesame
Khulm	12,018,000	24,036,000	140,000	44,030	20,020
Nahri shahi	1,612,000	100,000	420,000	94,500	51,800
Balkh	1,240,000	25,000	2,730,000	91,200	354,000
Dowlat Abad	3,690,000	150,000	420,000	7,065,520	144,000
Charbolack	18,600,000	500,000	1,030,400	140,000	495,000
Dehdadi	7,980,000	5,040,000	3,402,000	28,000	33,600
Chemtal	3,224,000	125,000	672,000	186,500	98,000
Charkent	-	-	-	20,000	12,500
Koshenda	-	-	-	126,000	-
Sholgara	240,000	24,099	36,432,000	-	62,000
Chahi	3,690,000	150,000	140,000	1,120,000	60,000
Mazar-i- Sharif	310,000	10,000	-	-	-
Zari	-	-	-	60,000	60,000
Shortepa	1,200,000	-	784,000	-	28,000
Kaldar	3,224,000	-	588,000	-	28,000
Marmul	3,000,000	-	-	8,400	-
Total	60,028,000	30,160,099	46,758,400	8,984,150	1,446,920

Livestock

Balkh is an agricultural and industrial province of Afghanistan it is located in the Northern Boarder and neighbor to Uzbekistan. Based on the 2008 statistic survey, farmers grew 43 types of different agricultural crops and raised 11 types of household livestock (See annex –V).

Province	District	Total livestock	Total Poultry
Balkh	Balkh	111449	32800
	Chemtal	137921	32950
	Charkent	57327	30125
	Charbolack	183654	33560
	Khulm	405728	132463
	Dehdadi	521674	20000
	Dowlat Abad	25996	2700
	Zari	10434	0
	Shortepa	171044	32530
	Sholgara	73,530	11,400
	Koshenda	158,623	36,048
	Kaldar	68,978	2,960
	Marmal	157,724	17,715
	Nahrishahi	163,911	39,640
	Balkh center	2,027,921	378,675
Total		4,275,914	803,566

Household livestock maintained in Balkh number 4270,734, not including 812,545 chickens and turkeys. 88 percent of the province's livestock are found in 13 districts while the remaining 12 percent are kept in 13 Charbolack and Balkh Center districts. Sheep are the dominant household livestock (72 percent) in Balkh province.

Animals	Cow	Sheep	Karakul	Goat	Horse	Donkey	Camel	Mule	Total	Chicken	Turkey	Total
Heads	195,978	1,865,518	1,240,518	760,516	32,872	160,318	18,994	1200	4,275,914	803,556	7,132	810,688
Percentage	4.58	43.63	29.01	17.79	0.77	3.75	0.44	0.03	100%	99.12	0.86	100%

The number of cattle is composed of oxen and dairy cows. The number of donkeys could be a good indicator for the development of transportation. The number of donkey is nearly the same as dairy cows which means that there are many transportation and communication problems in Balkh province. Karakul sheep is a symbol of Balkh province amongst the northern provinces.

Annex 1

Balkh province crop surveyed by Hec, Tons and US\$

No.	Crops	Hectares	Metric Tons	Value USD \$
1	Rice	5,600	13,167	\$ 14,789,175
2	Weath	93,113	119,779	\$ 62,285,256
3	Barely	17,096	41,673	\$ 19,169,741
4	Maiz	5,861	6,182	\$ 2,102,012
5	Mung bean	2,700	1,581	\$ 790,720
6	Pea	3,680	3,659	\$ 2,195,460
7	Red Bean	5	4	\$ 4,060
8	Millets	30	35	\$ 17,490
9	Potato	72	273	\$ 103,718
10	Onion	868	15,247	\$ 4,269,160
11	Tomato	1,204	15,555	\$ 6,222,000
12	Pepper	43	304	\$ 243,200
13	Eggplanet	535	20,453	\$ 6,135,813
14	Okra	363	3,609	\$ 1,804,500
15	Cucumber	194	3,247	\$ 1,298,680
16	Spinach	14	28	\$ 8,358
17	Garlic	8	32	\$ 32,000
18	Round Red Ridish	18	537	\$ 53,700
19	White Ridish	15	345	\$ 34,500
20	Carrot	178	2,199	\$ 879,520
21	Cauliflower	315	6,635	\$ 5,971,500
22	Leek	4	100	\$ 30,000
23	Squash	2	8	\$ 4,000
24	Turnip	124	1,048	\$ 314,400
25	Grape	1,316	20,837	\$ 18,753,183
26	Pear	22	20	\$ 24,180
27	Apple	182	1,989	\$ 1,193,280
28	Mullberries	208	1,820	\$ 727,960
29	Almond	3,301	7,538	\$ 40,702,932
30	Plum	82	787	\$ 450,897
31	Apricot	396	3,568	\$ 2,315,452
32	Pomegranate	1,740	10,955	\$ 9,859,860
33	Peach	252	1,714	\$ 1,199,687
34	Sour Cherry	25	61	\$ 42,700
35	Walnut	36	255	\$ 610,800
36	Pistachio	44,300	13,513	\$ 94,591,000
37	Alfalfa	1,155	60,028	\$ 18,008,400
38	Clover	379	30,160	\$ 9,048,030
39	Cotton	10,950	46,758	\$ 56,110,080
40	Falx	16,313	8,984	\$ 50,311,540
41	Sesame	1,910	1,447	\$ 4,406,248
42	Melon	3,350	32,985	\$ 14,513,418
43	Water Melon	4,510	97,837	\$ 37,177,930
Total		222,469	596,956	\$ 488,806,540

ANNEX 2

Ranking of Balkh Province districts by tons surveyed annually

District		Tons	Hectares	Value USD \$
1	Khulm	68,281	49,775	\$ 121,288,016
2	Nahri shahi	52,186	6,892	\$ 34,624,477
3	Balkh	29,500	25,695	\$ 21,466,728
4	Dawlat abad	39,119	26,118	\$ 61,257,799
5	Charbolak	145,212	11,998	\$ 61,747,433
6	Dehdadi	68,992	13,455	\$ 38,640,210
7	Chimtall	24,363	30,422	\$ 15,044,640
8	Charkent	2,119	6,250	\$ 1,207,660
9	Kishindah	2,329	4,069	\$ 6,365,072
10	Sholgara	89,811	23,239	\$ 76,315,045
11	Chahi	47,991	11,064	\$ 31,046,051
12	Mazar-i- sharif	7,976	526	\$ 7,849,600
13	Zari	2,047	5,840	\$ 1,593,966
14	Shortipa	6,431	3,695	\$ 5,043,744
15	Kaldar	7,244	2,662	\$ 4,121,809
16	Marmul	3,353	770	\$ 1,194,290
Grand Total		596,954	222,470	\$ 488,806,540

Annex 3 Harvest seasons for Balkh

Agricultural crops surveyed

Crops	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Tons
Rice													13,167
Weath													119,779
Barely													41,673
Maiz													6,182
Mung bean													1,581
Pea													3,659
Red Bean													4
Millet													35
Potato													273
Onion													15,247
Tomato													15,555
Pepper													304
Eggplant													20,453
Okra													3,609
Cucumber													3,247
Spinach													28
Garlic													32
Round Red Ridish													537
White Ridish													345
Carrot													2,199
Cauliflower													6,635
Leek													100
Squash													8
Turnip													1,048
Grape													20,837
Pear													20
Apple													1,989
Mullberries													1,820
Almond													7,538
Plum													787
Apricot													3,568
Pomegranate													10,955
Peach													1,714
Sour Cherry													61
Walnut													255
Melon													32,985
Water Melon													97,837
Pistachio													13,513
Alfalfa													60,028
Clover													30,160
Cotton													46,758
Falx													8,984
Sesame													1,447

Annex No. 4:

NAIS/ASAP

2008

DISTRICT PROFILE:			Balkh	
1	DEMOGRAPHICS		7	Water
	Region:	North		Rain fed 10
	Province:	Balkh		Kariz
	District:	Balkh		Canals 70%
	Villages:	118		Other sources
	Households:	16,000		Bored wells, 20
	Estimated population:	120,558		Access/irrigated water 90%
2	Land		8	Infrastructure
	Sharecroppers, %	10%		Access/drinking water 10%
	Arable land, jeribs	267,200		Schools 35
	Arable land, hectares (/5)	53,440		Electricity costs, Afs/KWH 3
	Grazing land, jeribs	0		Cell phone access yes
	Geographic area, Km2	474.526		Health clinic, # 1
	Landowner, %	50		VFUs, # 1
	Irrigated land area, hectares	53,440	9	Livelihood
	Rainfed land in use,hectars	0		Agro-horticulture sector, % 60
3	Primary Crops			Livestock sub-sector, % 15
	Spring wheat, hectares	16,240		Bussiness and Trade % 9
	Fall wheta , hectares	1,899		Government and NGO % 11
	barley irrigated, hectares	1240		Daily Labor % 5
	Mung bean, hectares	350	10	Enterprises
	tomato , hectares	360		General shops, # 15
	Cotton, hectares	2600		Food service,# 1000
	Mellan&water mellan, hectares	1000		Flour mills,# 40
	alfa alfa, hectares	200		Shoe repair,# 30
	sasame rainfed, hectares	197		Blacksmith,# 20
	graps, hectares	150		Oil extraction,# 5
4	Livestock			Butcher shops, # 20
	Livestock owners, %	20		Carpet weaving, # 10
	Karakul,#	36164	11	Agricultural Facilities
	Cow,#	12095		Artificial Insimination yes
	Sheep & Goats, #	57,529		Rentable Ag Machinery yes
	Donkey, #	4197		Improved wheat seed yes
	Horses, #	1,151		Fruit Nurseries, # 1
	Checkens & turkey, #	32,819		Credit facility yes
	Kuchi, (seasonal families),#	500		Poultry farm, # 5
	Camels, #	313		Pest control yes
	Kuchi sheep, #	46,864		Fish farm, # 1
	Kuchi goats, #	1,144		Green houses, # 0
	Kuchi other, #	5,325	12	Household (HH) Indices
5	Transportation			Arable land/HH, jeribs 16.7
	Distance to center, km	20		Grazing land/HH, jeribs 0
	Time to center, minutes	30		Irrigated land/HH, jeribs 16.7
	Cost to center, Afs	40		Rainfed land/HH, jeribs 0
	Truck cost to center, Afs	5/kg		Total livestock/HH, # 1.09
	District roads	Unpaved		Sheep&goats/HH, # 5.855
	Provincial roads	paved		Poultry/HH, # 2.051
	Accessibility	all year	13	Check
6	Markets			Households/village: 135.593
	Provincial	All year		Population/household: 7.534
	District, General, day	Mon. Thur.		Schools/village: 0.296
	District, livestock, day	All months		Number of bored wells/village: 0.169
	Traders/assemblers	yes,		Number of enterprise/village: 9.661

Annex No. 5:

NAIS/ASAP

Household livestock and Poultry of Balkh province year 2008

No	Province	Districts	Livestock									Poultry		
			Cow	Sheep	Karakul	Goats	Horse	Donkey	Camel	Mule	Total	Checken	Turkey	Total
1	Balkh	Blakh	12,095	46,164	36,164	11,365	1,151	4,197	313	-	111,449	32,819	-	32,819
2		Nahrishahi	5,268	68,186	38,186	21,199	1,120	3,437	525	-	137,921	32,820	-	32,820
3		Dehdadi	5,475	28,781	18,781	2,585	120	1,552	33	-	57,327	32,821	-	32,821
4		Sholgara	5,180	99,990	69,990	6,710	398	275	1,111	-	183,654	32,822	-	32,822
5		Charbolak	14,870	139,080	129,080	94,110	5,077	19,630	3,881	-	405,728	132,463	210	132,673
6		Dawlatabad	16,000	213,550	173,550	110,424	4,080	3,060	1,010	-	521,674	20,000	-	20,000
7		Shortepa	1,800	7,900	7,900	7,800	42	386	168	-	25,996	2,700	-	2,700
8		Kaldar	2,870	2,409	2,409	1,636	49	971	90	-	10,434	-	-	-
9		Kholm	3,714	74,000	64,000	25,200	809	2,114	1,207	-	171,044	32,530	-	32,530
10		Koshenda	2,280	15,200	10,200	38,000	250	7,600	-	-	73,530	11,400	-	11,400
11		Zari	14,548	58,560	38,560	32,607	636	13,712	-	-	158,623	36,048	2,091	38,139
12		Marmal	2,630	37,000	17,000	8,990	319	3,039	-	-	68,978	2,960	-	2,960
13		Charkent	1,824	72,624	52,624	23,290	1,272	5,490	-	600	157,724	17,715	894	18,609
14		Chemtal	9,435	69,333	49,333	18,842	1,113	14,696	1,159	-	163,911	39,640	371	40,011

Annex 6

Province: Balkh

Agriculture Land use in Hectars 2008

NAIS/ASAP/Chemonics

SN	District	No of villages	Cultivated land in Hact			Orchards &viens	Vegeta ble and	Cereal Crops	Forage crops	Forest land	Pastur e land	Non-areble	Mount ains	Total Land area
			rainfed	Irrigated	Total									
1	Blakh	118	-	53,440	53,440	424	1,750	16,240	205	-	-	-	-	53,440
2	Chemtal	110	90,000	70,000	160,000	500	1,370	16,180	160	1,000	13,000	-	-	174,000
3	Charkent	60	9,000	494	9,494	50	100	4,850	-	14,000	9,000	-	-	32,494
4	Charbolak	110	-	52,000	52,000	4,500	3,284	16,000	5,000	-	6,000	10,000	-	68,000
5	Kholm	29	500	28,800	29,300	3,200	812	26,100	-	42,700	10,000	20,000		102,000
6	Dehdadi	36	1,550	19,780	21,330	720	1,145	7,500	260	-	3,840	-	-	25,170
7	Daw latabad	60	-	67	67	1,607	175	64,629	332	2,000	-	-	2,000	4,067
8	Zari	152	43,200	1,400	44,600	20	-	5,720	-	5,000	4,526	-	-	54,126
9	Shortepa	33	-	4,000	4,000	20	181	2,500	20	1,000	2,000	1,500	-	8,500
10	Sholgara	53	7,755	8,460	16,215	100	669	15,280	150	500	40,000	1,000	124,435	182,150
11	Koshenda	77	17,000	400	17,400	5	1,011	3,200	-	1,000	1,200	8,000	30,000	57,600
12	Kaldar	11	15,000	12,000	27,000	2,000	110	800	50	3,200	3,000	6,000	-	39,200
13	Marmal	25	7,000	300	7,300	80	80	500	50	6,000	8,000	-	-	21,300
14	Nahrishahi	26	1,774	21,190	22,964	920	788	18,000	1,600	1,300	34,000	-	-	58,264
16	Balkh center	-	-	526	526	128	30	215	7	-	-	-	-	526
Total		900	192,779	272,857	465,636	14,274	11,505	197,714	7,834	77,700	134,566	46,500	156,435	880,837

Annex No.7:

Crop Calendar

NAIS/AgNet

Activities		District: Dehdadi Province: Balkh Date: 16/6/2007 GPS HQ Elev.HQ													
No	Fruit and Nut Crops	Season	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	Apples														
2	Grapes														
3	Pomegranates														
4	Apricots														
5	Plums														
6	Citrus														
7	Lukot														
8	Figs														
9	Almonds														
10	Walnuts														
11	Pistachio														
12	Pine nuts														
13	Mulberries														
	Vegetable Crops														
14	Tomatoes														
15	Potatoes														
16	Watermelon														
17	Melon	spring fall													
18	Carrots														
19	Okra														
20	Eggplant														
21	Greenbean														
22	Onion														
23	Cauliflow er														
24	Spinach														
	Cash Crops														
25	Cotton														
26	Peanuts														
27	Rice														
28	Wheat	spring fall													
29	Corn														
30	Mungbean														
31	Sesame														
32	Flax														
33	Cumin														
34	Sunflow er														
35	Canola														
36	Safran														
37	Peas														

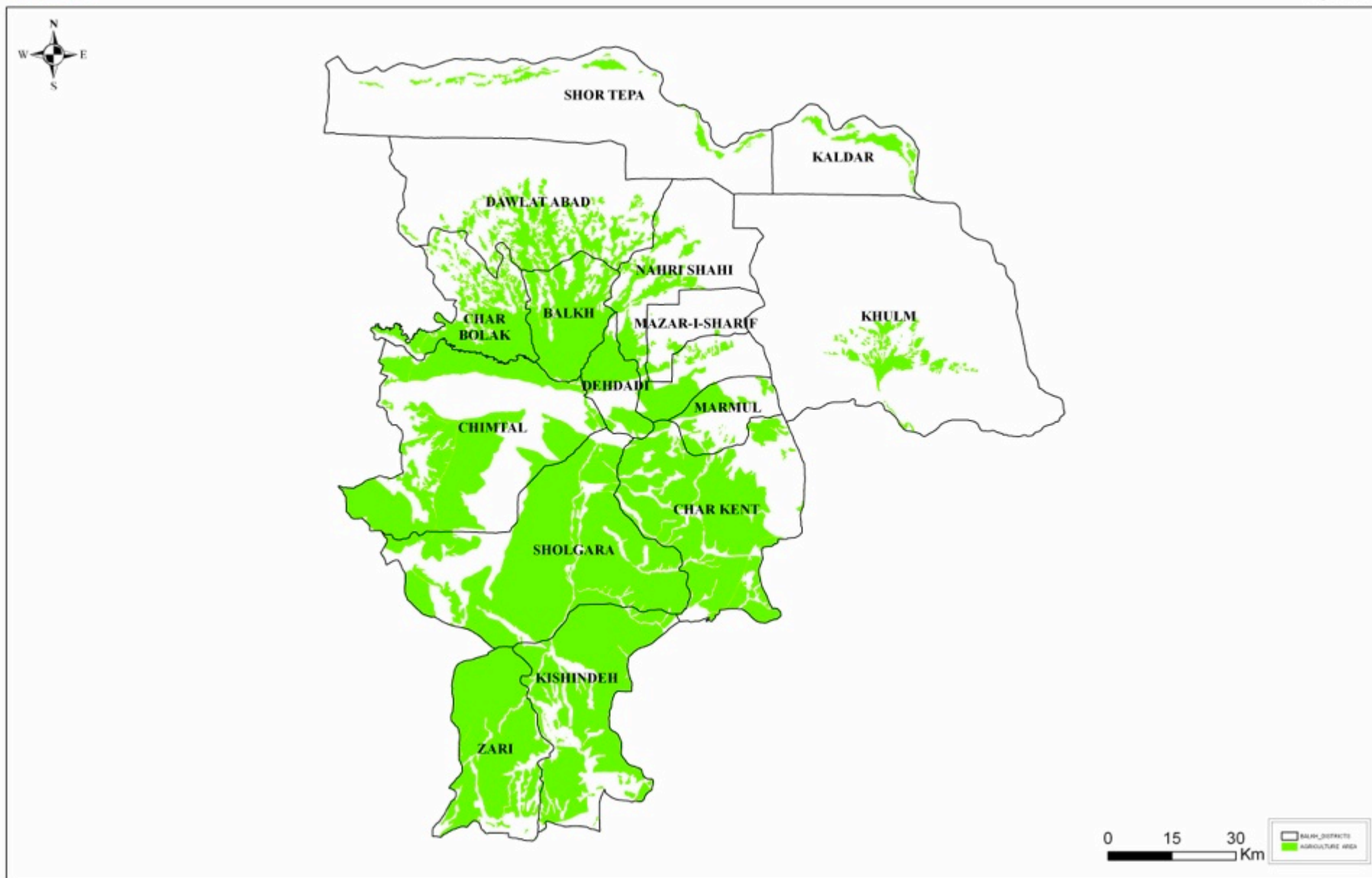
BALKH PROVINCE STANDARD MAP



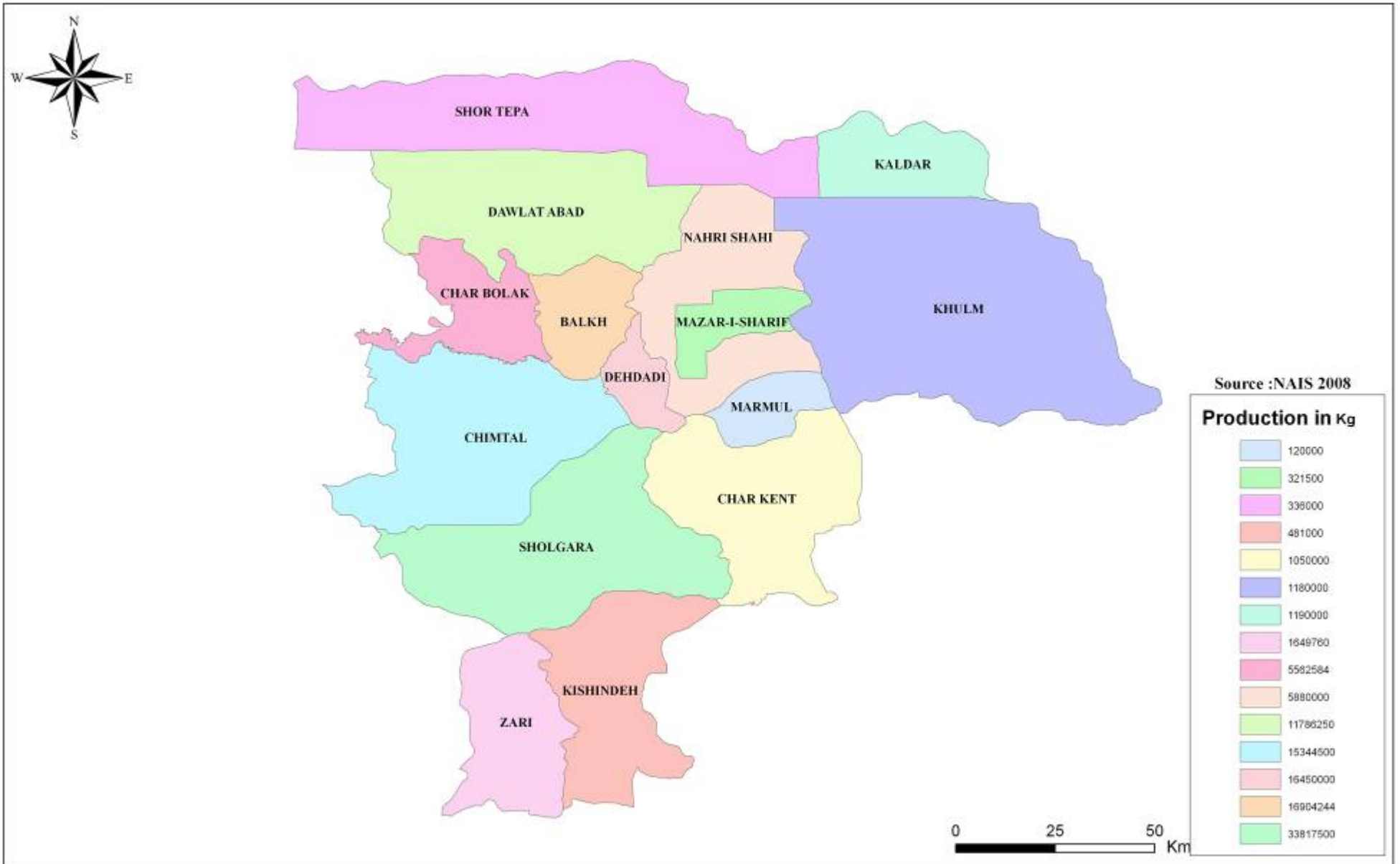
0 15 30
Km

BALKH DISTRICTS	
	MAZAR-I-SHARIF
	BALKH
	CHAR BOLAK
	CHAR KENT
	CHINTAL
	DAWLAT ABAD
	DEHDADI
	KALDAR
	KHULM
	KISHINDEH
	MARMUL
	NAHRI SHAHI
	SHOLGARA
	SHOR TEPE
	ZARI

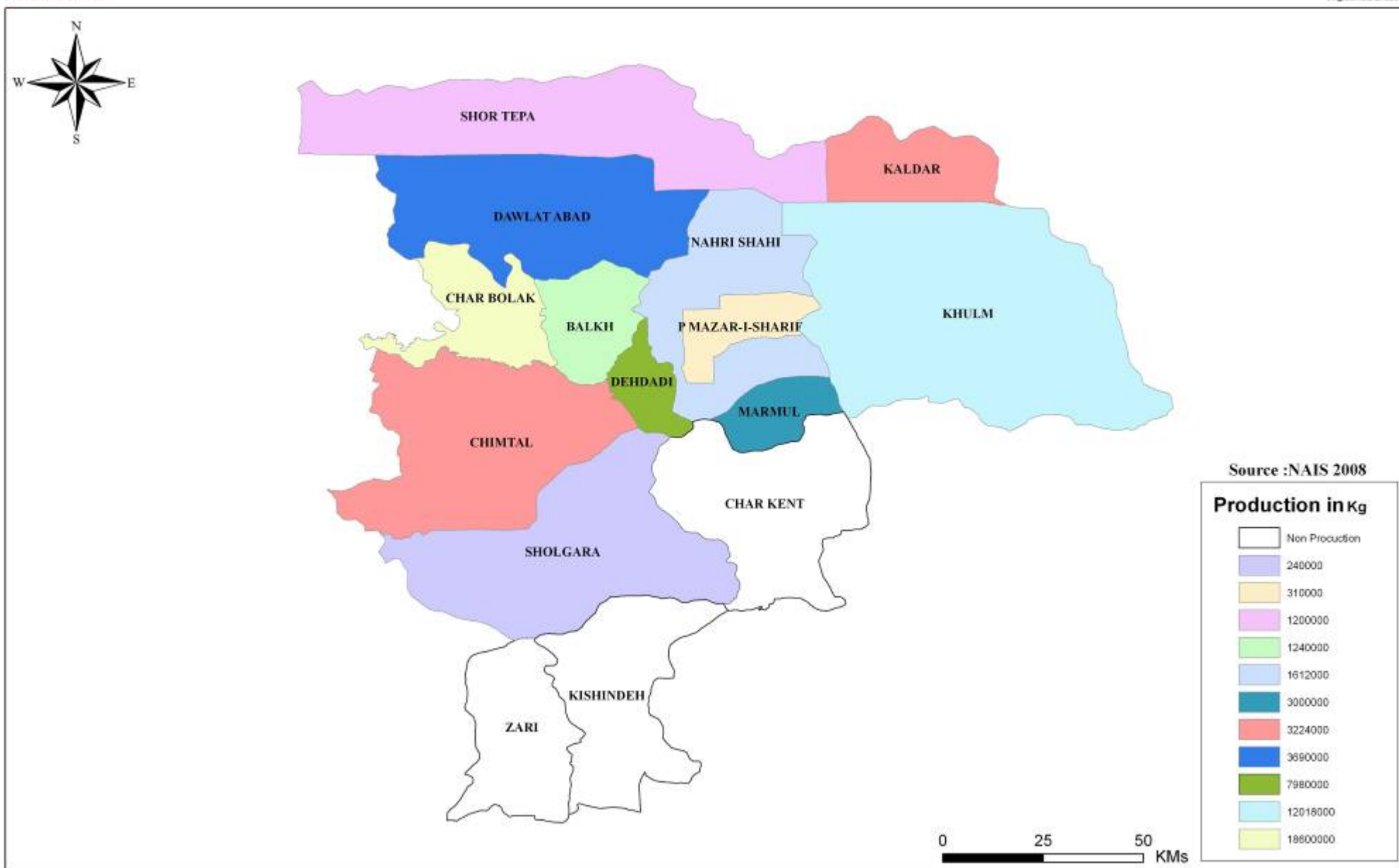
BALKH PROVINCE AGRICULTURE MAP



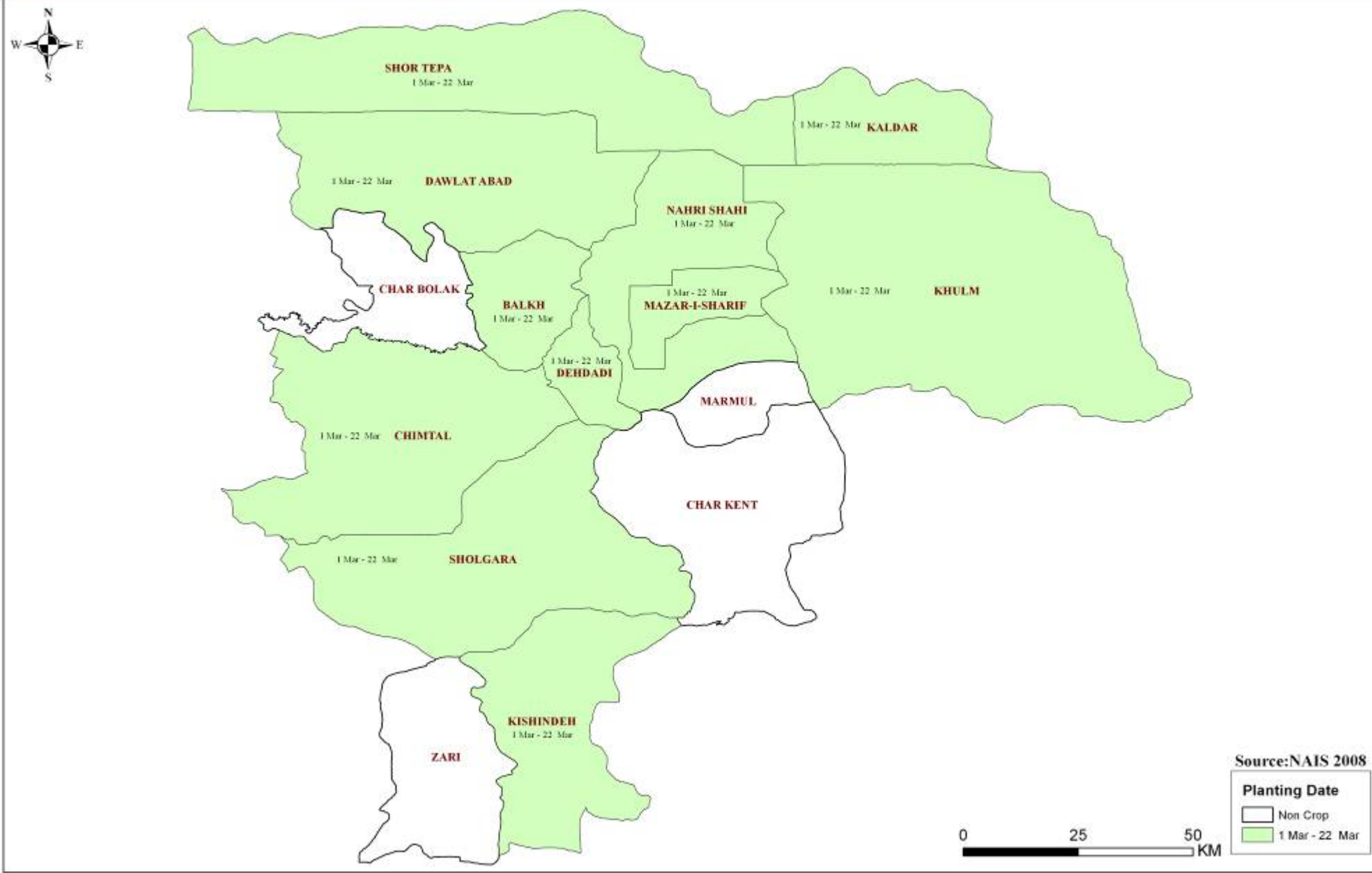
BULKH PROVINCE (WHEAT PRODUCTION) MAP



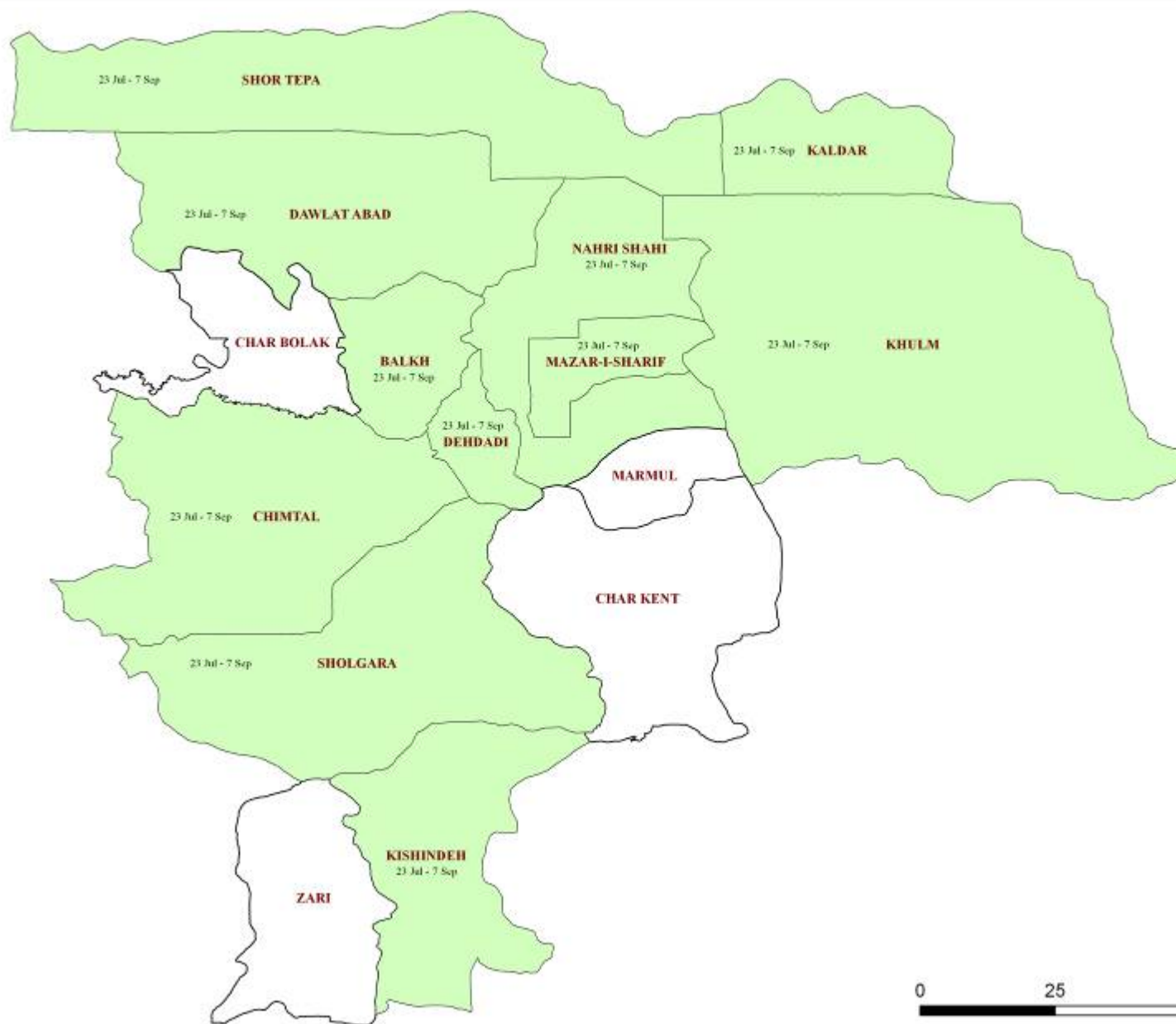
BULKH PROVINCE ALFALFA PRODUCTION) MAP



Bulkh Province Onion Crop (Calendar)Map



Bulkh Province Onion Crop (Calendar) Map



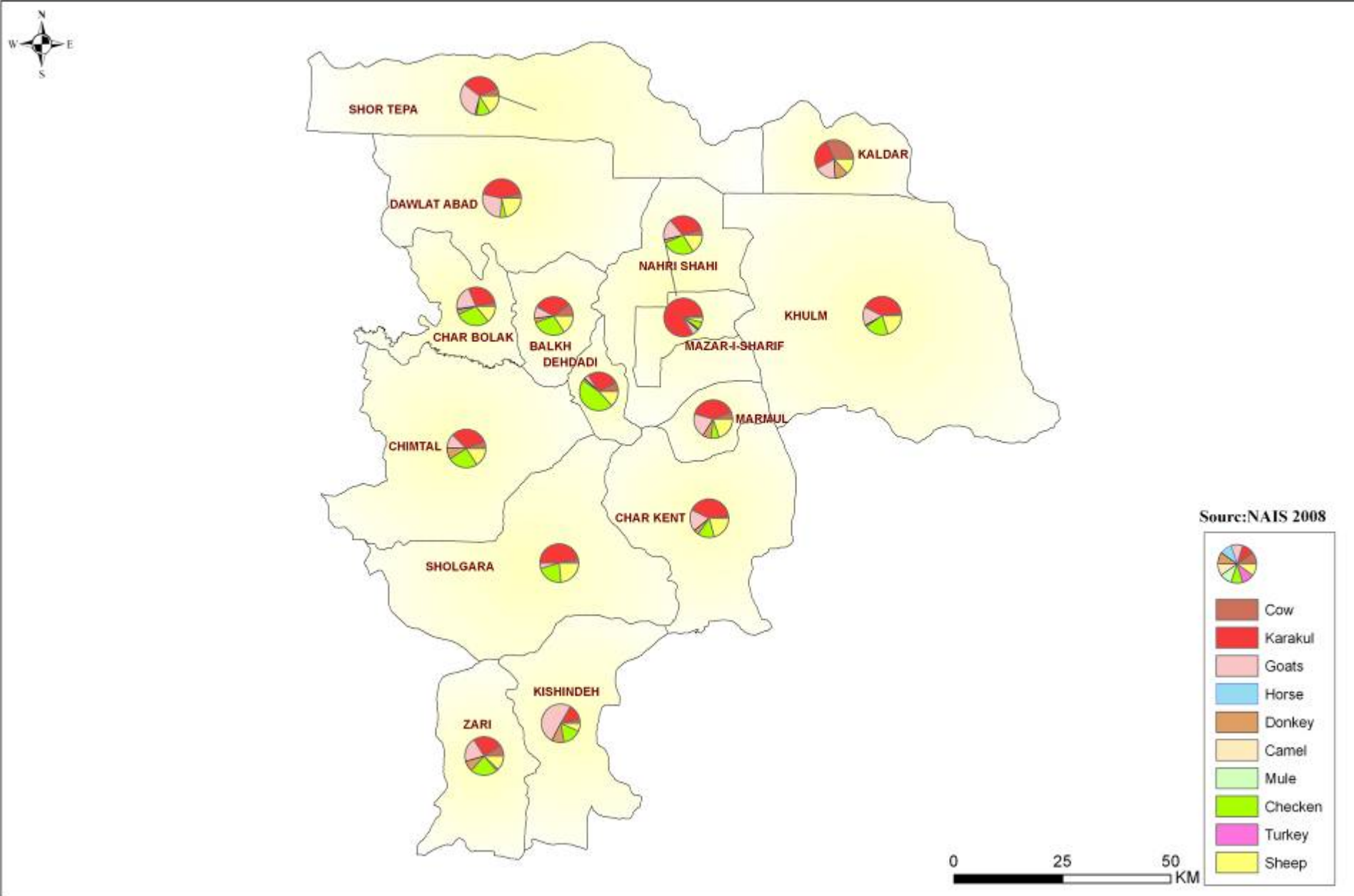
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Source: NAIS 2008

Harvesting Date

- Non Crop
- 23 Jul - 7 Sep

Balkh Province Livestock



Balkh Province Livestock(Karakul)



Balkh Province Livestock (Chicken)

