



FROM THE AMERICAN PEOPLE

## ACCELERATING SUSTAINABLE AGRICULTURE PROGRAM



## Kunduz 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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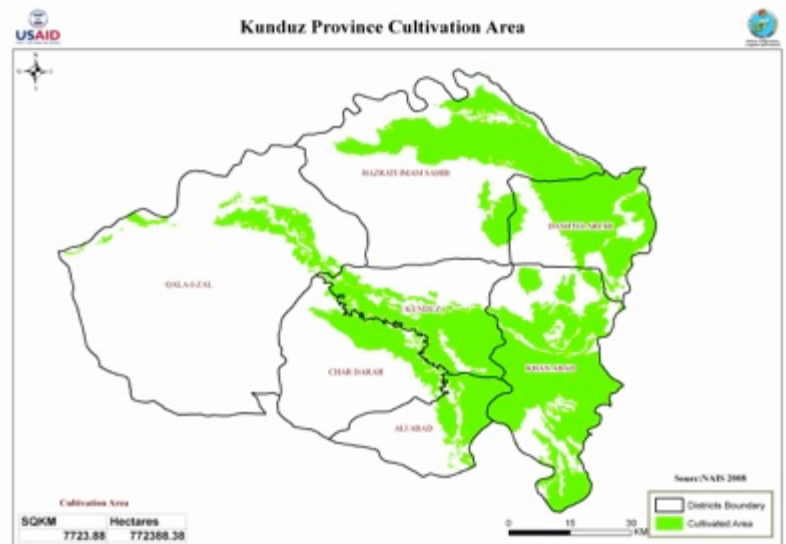
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# Agriculture

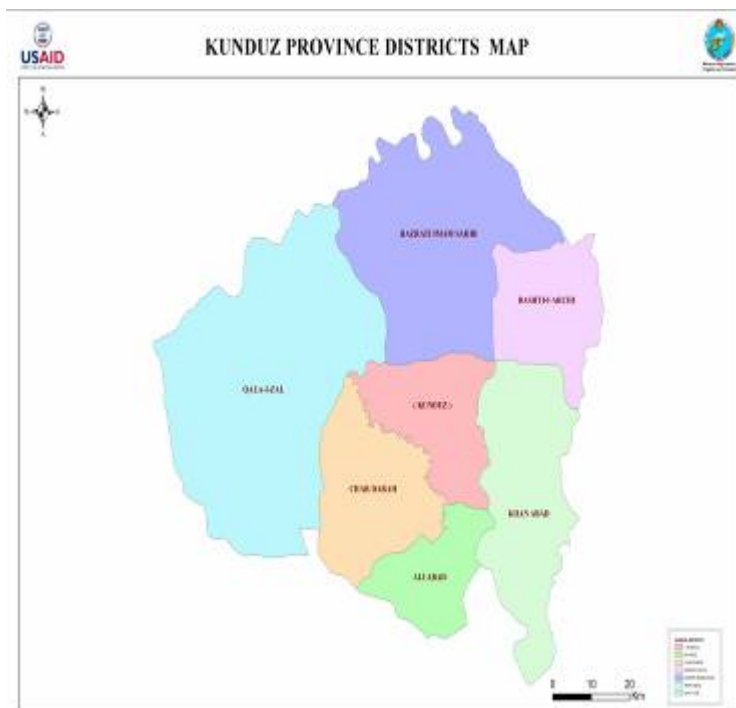
## Profile and Data

### Kunduz province



### Kunduz Brief

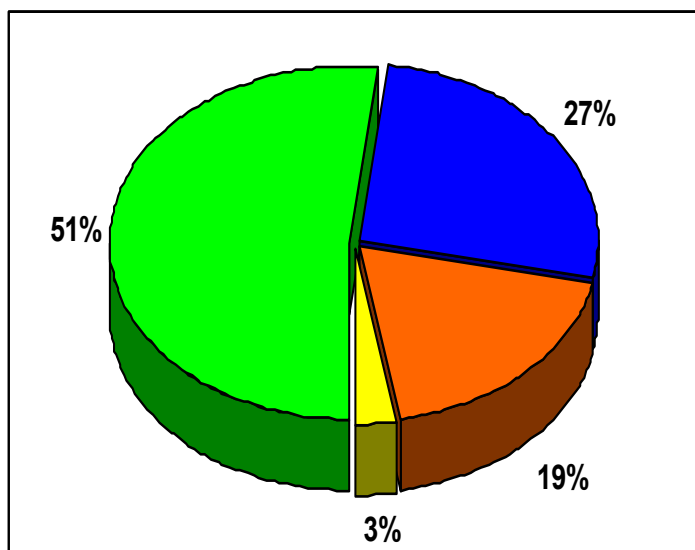
Kunduz is an agricultural and industrial based province in northern Afghanistan located in the Amu River basin between 36.30-37.33 degrees latitude and of 68.02-69.35 degrees longitude. The province borders Baghlan and Samangan province to the south, Balkh province to the west, Tajikistan to the north and the Amu River forms the border with Takar province to the east. There are 107 villages in the Kunduz with a population of 956,677, most of whom are involved in raising sheep and goats. Kunduz has 7 districts covering a 7,773,768 square kilometers, which includes 241,238 hectares of agricultural land. Melons and cotton grown in Kunduz are considered as being some of the best quality in Afghanistan.



In 2008 Kunduz farmers grew of 35 different crops on approximately 193,983 hectares (25.11 percent of total area). The province's cultivated area is mostly concentrated in the north and southeastern districts in the low land near the Kunduz River. Seventy-four percent of cultivated land is concentrated in 4 of Kunduz's 7 districts. The rest of the 3 districts are suitable for raising livestock due to the mountainous terrain. The districts of Kunduz are:

- Aliabad
- Chardara
- Khan Abad
- Qalaizal
- Dashti Archi
- Hazrat Imam
- Kunduz Center

The total agricultural production in Kunduz was estimated as 793,502 metric tons (MT). Grains make up just over half (51.85 percent) of the total 2008 harvest and the remaining consisted of fruits (26.22 percent); vegetables (18.80 percent) and fodder and industrial crops (2.73 percent).



Imam Sahib district led the province in terms of agricultural production (22.57 percent) followed by Aliabad district (21.48 percent). Imam Sahib farmers grew high amounts of grain and melons and are heavily involved in raising livestock. Meanwhile, Aliabad district produced the largest volume of vegetables throughout the province.

## 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 Kunduz 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 Kunduz and collected by Kunduz AgNet officer Mr. Faizullah Safi and approved by deputy director of Kapisa Provincial Agriculture department Mr. Mohammad Azim Safi in October 2008

## Grains

Grain production surveyed in Kunduz province during 2008 was estimated at 411,467 MT (worth \$304.7 million). Kunduz farmers grew more than 5 different types of grains with rice and wheat making up almost all (97.58 percent) of the province's total grain output (generating \$297 million in revenue). The remaining 2.42 percent comprised other grain crops that valued \$7.35 million.

Grain	Tons	Value USD \$
Rice	136,938	\$ 136,938,000
Wheat	258,807	\$ 160,460,108
Barely	1,423	\$ 597,694
Maize	873	\$ 471,177
Mung bean	11,605	\$ 4,177,872
Pea	205	\$ 171,990
Red bean	1,616	\$ 1,938,720
<b>Total</b>	<b>411,467</b>	<b>\$ 304,755,561</b>

Farmers grew wheat in all districts of Kunduz province and this crop made up 62.9 percent of total grain production in Kunduz in 2008. Rice is the second major staple food cultivated in Kunduz and amounted to 136 thousand MT, or 35.28 percent of all grain crops in the province.

	Rice	Wheat	Barely	Maize	Mung bean	Pea	Red bean
Imam Sahib	53,193,000	66,406,200	539,875	131,250	2,975,700	65,625	224,000
Khan Abad	47,733,000	54,211,850	149,950	99,750	2,268,700	45,500	35,000
Aliabad	9,282,000	26,343,450	116,375	78,750	1,505,000	19,250	112,700
Chardara	6,090,000	23,484,650	168,700	126,000	1,575,000	26,250	245,000
Qalha-e-Zall	3,192,000	24,568,600	256,550	194,250	1,298,400	17,500	294,000
Dashti Archi	2,118,000	26,500,425	21,000	127,050	1,190,000	17,500	259,700
Kunduz Center	15,330,000	37,291,450	170,625	115,500	792,400	13,125	445,200
<b>Total</b>	<b>136,938,000</b>	<b>258,806,625</b>	<b>1,423,075</b>	<b>872,550</b>	<b>11,605,200</b>	<b>204,750</b>	<b>1,615,600</b>

## Fruits

Annual fruit production surveyed in Kunduz province was estimated at 211,242 MT with a value of over \$84.7 million. Melons represented two-thirds, or 72.3 percent of all fruits grown and had the highest market value (\$55 million) in 2008. Watermelons were the second most grown fruit (39,183 MT) in Kunduz in 2008 but came third after grapes in terms of sales earned on the market.

Fruits	Tons	Value USD \$
Grape	15,918	\$ 11,142,600
Apple	123	\$ 85,995
Mulberries	66	\$ 75,041
Almond	359	\$ 610,470
Plum	387	\$ 232,050
Apricot	189	\$ 113,190
Peach	165	\$ 99,120
Pistachio	1,400	\$ 7,196,000
Melon	152,846	\$ 55,024,380
Water Melon	39,183	\$ 9,403,800
Other Fruits	606	\$ 726,600
<b>Total</b>	<b>211,242</b>	<b>\$ 84,709,246</b>

With the exception of pistachios, almost all of the 10 above listed fruits are grown in all districts of Kunduz province. Melons and watermelons made up 9 out of 10 (91 percent) of the total fruit production in Kunduz and are grown most intensively in Imam Sahib district. Aliabad is a major grape growing district, contributing over 15.6 million kg of all grapes grown in Kunduz. Moreover, only in Aliabad district was a significant amount of pistachios grown, bringing almost \$7.2 million in revenue to the province. The figures presented in the table below are in kg.

	Grape	Apple	Mulberries	Almond	Plum	Apricot	Peach	Pistachio	Melon	W.Melon	Other Fruit
Imam Sahib	56,000	31,500	19,625	63,000	148,750	36,750	19,600	-	33,838,000	8,505,000	171,500
Khan Abad	42,000	12,600	14,000	2,100	89,250	24,500	14,000	-	18,287,500	7,297,500	21,000
Aliabad	15,680,000	15,750	7,000	42,000	44,625	49,000	70,000	1,400,000	16,975,000	3,955,000	61,250
Chardara	56,000	15,750	6,300	105,000	17,850	19,600	14,000	-	26,355,000	5,372,500	61,250
Qalha-e-Zall	28,000	15,750	7,000	84,000	23,800	19,600	14,000	-	15,190,000	5,670,000	197,750
Dashti Archi	14,000	15,750	5,600	31,500	44,625	19,600	19,600	-	24,000,000	4,305,000	78,750
Kunduz Center	42,000	15,750	6,300	31,500	17,850	19,600	14,000	-	18,200,000	4,077,500	14,000
<b>Total</b>	<b>15,918,000</b>	<b>122,850</b>	<b>65,825</b>	<b>359,100</b>	<b>386,750</b>	<b>188,650</b>	<b>165,200</b>	<b>1,400,000</b>	<b>152,845,500</b>	<b>39,182,500</b>	<b>605,500</b>

## Vegetables

Vegetables	Tons	Value USD \$
Potato	91,933	\$ 25,741,170
Onion	30,581	\$ 6,116,250
Tomato	21,333	\$ 10,666,250
Okra	134	\$ 80,460
Spinach	203	\$ 89,320
White Reddish	318	\$ 127,200
Carrot	4,208	\$ 1,514,880
Cauliflower & Cabbage	147	\$ 64,680
Other Vegetable	311	\$ 166,454
<b>Total</b>	<b>149,168</b>	<b>\$ 44,566,664</b>

Vegetable production surveyed in Kunduz province during 2008 was estimated at 149,168 MT (worth almost \$44.5 million). Kunduz farmers cultivated more than 8 major types of vegetables but only 4 amounted to over 1,000 MT annually. Onions and potatoes represented 82 percent of the total vegetable production in the province.

Approximately 77.3 percent of the all Kunduz vegetables are grown in 3 districts (Aliabad, Khan Abad and Kunduz Center). Aliabad and Khan Abad produced one third of all onions; Khan Abad grew 42 percent of the province's tomatoes and Aliabad produced the highest amount of potatoes. Figures presented in the table below are in kg.

	Potato	Onion	Tomato	Okra	Spinach	White radish	Carrot	Cauliflower and Cabbage	Other Veg
Imam Sahib	1,181,250	2,388,750	4,725,000	36,750	42,000	56,000	196,000	10,500	39,130
Khan Abad	1,055,250	5,775,000	4,287,500	15,300	35,000	38,000	140,000	10,500	29,240
Aliabad	80,325,000	5,827,500	2,485,000	10,500	14,000	42,000	2,640,000	105,000	54,460
Chardara	2,205,000	3,937,500	2,800,000	21,000	35,000	56,000	140,000	-	49,630
Qalha-e-Zall	346,500	3,543,750	2,100,000	16,800	35,000	42,000	840,000	-	50,750
Dashti Archi	2,331,000	4,593,750	1,750,000	12,750	14,000	28,000	112,000	-	38,045
Kunduz Center	4,488,750	4,515,000	3,185,000	21,000	28,000	56,000	140,000	21,000	49,630
<b>Total</b>	<b>91,932,750</b>	<b>30,581,250</b>	<b>21,332,500</b>	<b>134,100</b>	<b>203,000</b>	<b>318,000</b>	<b>4,208,000</b>	<b>147,000</b>	<b>310,885</b>

## Fodder and industrial

Fodder and Industrial crop production surveyed in Kunduz province during 2008 was estimated at 21,625 MT, with a value of almost \$27.3 million. Kunduz farmers produced more than 5 major types of fodder and Industrial crops, with cotton representing 79.68 percent of the total industrial production in 2008.

<b>Fodder &amp; Industrial</b>	<b>Tons</b>	<b>Value USD \$</b>
<b>Alfalfa</b>	<b>3,670</b>	<b>\$ 4,184,256</b>
<b>Clover</b>	<b>3,663</b>	<b>\$ 4,688,000</b>
<b>Cotton</b>	<b>11,389</b>	<b>\$ 15,944,110</b>
<b>Flax</b>	<b>2,218</b>	<b>\$ 1,818,618</b>
<b>Sesame</b>	<b>264</b>	<b>\$ 411,684</b>
<b>Other industrial</b>	<b>421</b>	<b>\$ 227,273</b>
<b>Total</b>	<b>21,625</b>	<b>\$ 27,273,941</b>

Approximately 68.4 percent of the province's fodder was produced in 4 districts (Imam Sahib, Aliabad, Khan Abad and Kunduz Center) and half (50 percent) of cotton and 34 percent of other industrial crops in Kunduz are produced in Kunduz Center, Dashti Archi and Chardara districts.

	<b>Alfalfa</b>	<b>Clover</b>	<b>Cotton</b>	<b>Flax</b>	<b>Sesame</b>	<b>Other Ind</b>
<b>Imam Sahib</b>	784,000	962,500	1,410,500	659,100	77,000	66,500
<b>Khan Abad</b>	558,000	565,000	928,200	281,400	41,300	54,250
<b>Aliabad</b>	490,000	595,000	1,688,050	273,525	37,100	61,250
<b>Chardara</b>	529,200	271,250	1,961,050	286,650	34,300	26,250
<b>Qalha-e-Zall</b>	343,000	218,750	1,665,300	259,875	28,000	70,000
<b>Dashti Archi</b>	623,200	437,500	1,699,425	282,975	14,000	77,000
<b>Kunduz Center</b>	343,000	612,500	2,036,125	174,300	32,200	65,625
<b>Total</b>	<b>3,670,400</b>	<b>3,662,500</b>	<b>11,388,650</b>	<b>2,217,825</b>	<b>263,900</b>	<b>420,875</b>



## Livestock

Based on the 2008 statistic survey, farmers raised 11 types of household livestock in Kunduz (See annex –V). The total number of household livestock maintained in Kunduz was calculated to be 1,398,025, not including 267,700 chickens, ducks and turkeys.

Province	District	Total livestock	Total Poultry
<b>Kunduz</b>	Aliabad	176,620	37,500
	Chardara	137,220	27,000
	Dashti Archi	220,505	27,500
	Imam sahib	290,870	98,500
	Khan Abad	207,245	7,000
	Qalaizal	215,750	42,300
	Kunduz center	149,815	27,900
<b>Total</b>		<b>1,398,025</b>	<b>267,700</b>

Twenty-one percent of livestock were raised in Imam Sahib District and 30 percent in Archi and Qalaizal districts. Sheep are the most common livestock animals living in the province. Sheep and goats made up over half (53.72 percent) of all livestock in this province.

Animals	Cow	Sheep	Karakul	Goat	Donkey	Camel	Horse	Total	Chicken	Turkey	Ducks	Total
<b>Heads</b>	468,300	685,000	18,000	65,985	112,400	32,290	16,050	<b>1,398,025</b>	250,500	14,400	6,000	<b>270,900</b>
<b>Percentage</b>	33.50	49.00	1.29	4.72	8.04	2.31	1.15	<b>100%</b>	92.47	5.32	2.21	<b>100%</b>

# Annex 1

S.#	Crops	Hectares	Metric Tons	Value USD \$
1	Rice	35,000	136,938	\$ 136,938,000
2	Weaht	112,820	258,807	\$ 160,460,108
3	Barely	1,457	1,423	\$ 597,694
4	Miaze	831	873	\$ 471,177
5	Mungbean	16,566	11,605	\$ 4,177,872
6	Pea	234	205	\$ 171,990
7	Red bean	2,308	1,616	\$ 1,938,720
8	Potato	923	91,933	\$ 25,741,170
9	Onion	1,399	30,581	\$ 6,116,250
10	Tomato	1,219	21,333	\$ 10,666,250
11	Pepper	9	66	\$ 52,920
12	Okra	32	134	\$ 80,460
13	Spinach	29	203	\$ 89,320
14	Garlic	15	88	\$ 61,555
15	Mint	10	20	\$ 9,802
16	Round Red Reddish	13	96	\$ 28,875
17	White Redish	23	318	\$ 127,200
18	Carrot	61	4,208	\$ 1,514,880
19	Cauliflower & Cabbige	14	147	\$ 64,680
20	Leek	10	27	\$ 10,780
21	Grape	2,885	15,918	\$ 11,142,600
22	Apple	39	123	\$ 85,995
23	Mulberries	91	66	\$ 75,041
24	Almond	171	359	\$ 610,470
25	Plum	130	387	\$ 232,050
26	Apricot	77	189	\$ 113,190
27	Peach	59	165	\$ 99,120
28	Pistachio	2,000	1,400	\$ 7,196,000
29	Melon	4,957	152,846	\$ 55,024,380
30	Water Melon	1,175	39,183	\$ 9,403,800
31	Alfalfa	398	3,670	\$ 4,184,256
32	Clover	414	3,663	\$ 4,688,000
33	Cotton	5,006	11,389	\$ 15,944,110
34	Flax	2,174	2,218	\$ 1,818,618
35	Sesame	377	264	\$ 411,684
36	Other Vegetable	10	14	\$ 2,522
37	Other Fruits	566	606	\$ 726,600
38	Other industrial	481	421	\$ 227,273

## ANNEX 2

### Ranking of Kunduz Province districts by tons surveyed annually

	District	Tons	Hectares	Value USD \$	% Total tons
1	Emam Sahib	179,060	49,518	\$ 118,931,321.00	22.57%
2	Khanabad	144,162	44,193	\$ 97,538,543.00	18.17%
3	Aliabad	170,406	24,275	\$ 81,848,667.00	21.48%
4	Chardara	76,092	17,002	\$ 39,719,344.00	9.59%
5	Qalha-e-Zall	60,631	15,900	\$ 32,277,744.00	7.64%
6	Dashte Archi	70,782	19,195	\$ 35,756,556.00	8.92%
7	Kunduz Center	92,365	23,900	\$ 55,233,235.00	11.64%
	<b>Grand Total</b>	<b>793,498</b>	<b>193,983</b>	<b>461,305,410</b>	<b>100%</b>

## Annex 3 Harvest seasons for Kunduz Agricultural crops surveyed

[illegible]

# Annex NO. 4:

NAIS/ASAP 2008

DISTRICT PROFILE:		Kundoze Center	
1	<b>DEMOGRAPHICS</b>		7
	Region:	Northern	
	Province:	Kundoze	
	District:	Kundoze Center	
	Villages:	214	
	Households:	33549	
	Estimated population:	284,392	
2	<b>Land</b>		8
	Sharecroppers, %	10%	
	Arable land, jeribs	166,610	
	Arable land, hectares (/5)	33,322	
	Grazing land, jeribs	342750	
	Geographic area, Km2	642.47	
	Landowner, %	55	
	Irrigated land area, hectares	31,922	
	Rainfed land in use,hectars	1,400	
3	<b>Primary Crops</b>		9
	Spring wheat, hectares	700	
	Fall wheat, hectares	14,713	
	Rice, hectares	3650	
	Mung bean, hectares	1132	
	Melon+water melon, hectares	720	
	Cotton hectares	895	
	Other industrial crops, hectares	329	
	Other grains, hectares	906	
	Other vegetables,hectares	669	
	Other fruits,hectares	108	
4	<b>Livestock</b>		10
	Livestock owners, %	10	
	Beef cattle & Draught oxen, #	21000	
	Dairy cow, #	49,500	
	Sheep & Goats, #	69,600	
	Donkey, #	7650	
	Horses, #	600	
	Chickens & Turkey, #	27,900	
	Camels, #	1,465	
	Kuchi, (seasonal families),#		
	Camels, #		
	Kuchi sheep, #		
	Kuchi goats, #		
	Kuchi other, #		
5	<b>Transportation</b>		11
	Distance to center, km	12	
	Time to center, minutes	30	
	Cost to center, Afs	30	
	Truck cost to center, Afs	7/kg	
	District roads		
	Provincial roads		
	Accessibility		
6	<b>Markets</b>		12
	Provincial	All year	
	District, General, day	Mon. Thur.	
	District, livestock, day	Mon. Thur.	
	Traders/assemblers	yes,	
			7
			Water
			Rain fed
			15
			Kariz
			Canals
			85%
			Other sources
			Bored wells, #
			Access/irrigated water
			75%
			8
			Infrastructure
			Access/drinking water
			3%
			Schools
			120
			Electricity costs, Afs/KWH
			2
			Cell phone access
			yes
			Health clinic, #
			1
			VFUs, #
			2
			9
			Livelihood
			Agro-horticulture sector, %
			75
			Livestock sub-sector, %
			10
			Bussiness and Trade %
			5
			Government and NGO %
			6
			Daily Labor %
			4
			10
			Enterprises
			General shops, #
			160
			Food service,#
			110
			Flour mills,#
			25
			Shoe repair,#
			120
			Blacksmith,#
			60
			Oil extraction,#
			15
			Butcher shops, #
			100
			Carpet weaving, #
			70
			11
			Agricultural Facilities
			Artificial Insimination
			Yes,
			Rentable Ag Machinery
			Yes,
			Improved wheat seed
			Yes,
			Fruit Nurseries, #
			Credit facility
			Yes,
			Poultry farm, #
			Pest control
			Yes,
			Cool storage, #
			Green houses, #
			12
			Household (HH) Indices
			Arable land/HH, jeribs
			4.966
			Grazing land/HH, jeribs
			10.216
			Irrigated land/HH, jeribs
			0.951
			Rainfed land/HH, jeribs
			0.041
			Total livestock/HH, #
			2.39
			Sheep&goats/HH, #
			2.074
			Poultry/HH, #
			0.831
			13
			Check
			Households/village:
			156.771
			Population/household:
			8.476
			Schools/village:
			0.56
			Number of bored wells/village:
			0
			Number of enterprise/village:
			3.084

# Annex 5

## Number of Household Animals and Poultry in Kunduz Province

2008

No	Province	District	Domestic Animals Statistic									Poultry			
			Oxen	Cows	Sheep	Karakol	Goats	Horses	Donkeys	Camal	Total	Cock Hen	Ducks	Turkeys	Total
1	Kunduz	Aliabad	15,000	42,300	83,200	-	7,360	3,000	22,600	3,160	176,620	35,000	-	2,500	37,500
2		Chardara	6,000	6,300	103,400	8,000	3,550	400	4,350	5,220	137,220	25,000	-	2,000	27,000
3		Dashtiarchi	27,200	63,450	93,700	-	9,910	400	16,500	9,345	220,505	25,000	-	2,500	27,500
4		Imamsahib	15,000	81,650	155,100	-	9,750	3,000	21,400	4,970	290,870	95,000	3,500	2,000	100,500
5		Khanabad	20,100	51,400	83,600	-	18,645	2,650	29,500	1,350	207,245	4,500	2,500	1,200	8,200
6		Qalaizal	8,000	61,400	104,700	10,000	8,470	6,000	10,400	6,780	215,750	40,000	-	2,300	42,300
7		Kunduz center	21,000	49,500	61,300	-	8,300	600	7,650	1,465	149,815	26,000	-	1,900	27,900

# Annex 6

Province: Kunduz      Arable land survey cultivated, forest and pasture land in Hectare      2008

No	Province	District	Village	Cultivated Land			Fruit orch	Farrows & vegetable land	Cereal Crops	Forage Crop land	Forest Land	Pasture Land	Barel and	Mount ain	Total land
				rainfed	Irrigat ed	Total									
1	Konduz	Imamsahib	211	2,000	70,000	72,000	385	2,814	45,909	190	20,000	23,050	-	23,500	138,550
2		Khanabad	150	22,960	39,060	62,020	385	1,195	45,909	190	-	23,050	-	-	85,070
3		Qalaizal	49	416	19,963	20,379	122	670	9,935	75	-	18,450	-	-	38,829
4		Chardara	106	332	20,156	20,488	140	422	10,685	105	-	195,589	-	-	216,077
5		Aliabad	66	14,992	17,500	32,492	2,199	670	15,344	130	10,117	9,074	-	-	51,683
6		Dashtiarchi	107	2,100	31,759	33,859	186	850	7,667	142	200	41,600	-	-	75,659
7		Konduz center	214	1,400	31,922	33,322	250	850	30,822	175	-	68,550	-	-	101,872
Total			903	44,200	230,360	274,560	3,667	7,471	166,271	1,007	30,317	379,363	-	23,500	707,740

# Annex No. 7:

# Crop Calendar

NAIS/ASAP

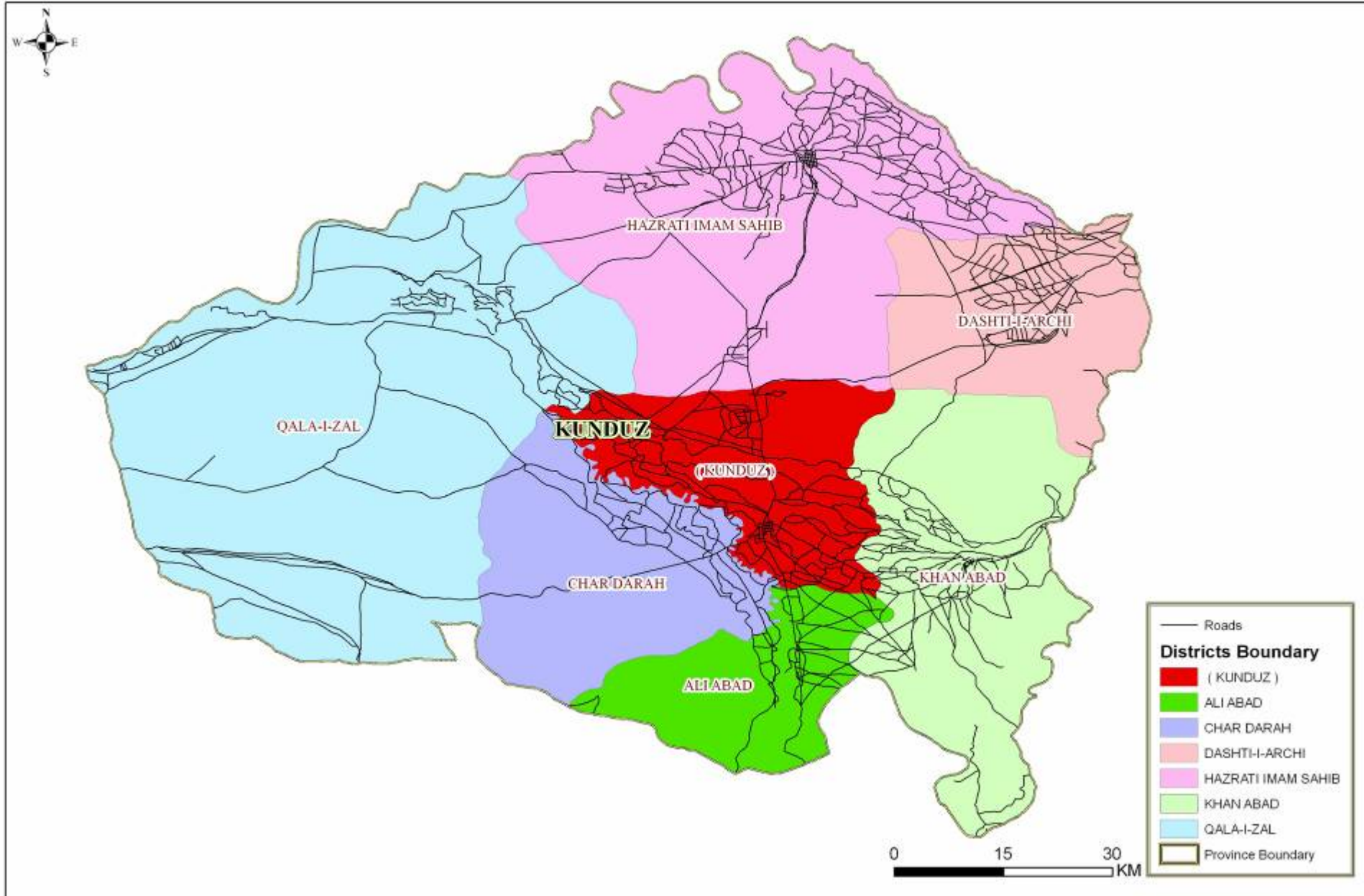
Activities		District	Khanabad Province				Kunduz	Date	GPS HQ			Elev.HQ			
No	Fruit and Nut Crops	seasons	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	Apples	spring													
		fall													
2	Grapes														
3	Pomegranates														
4	Apricots														
5	Plums													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

Planting:

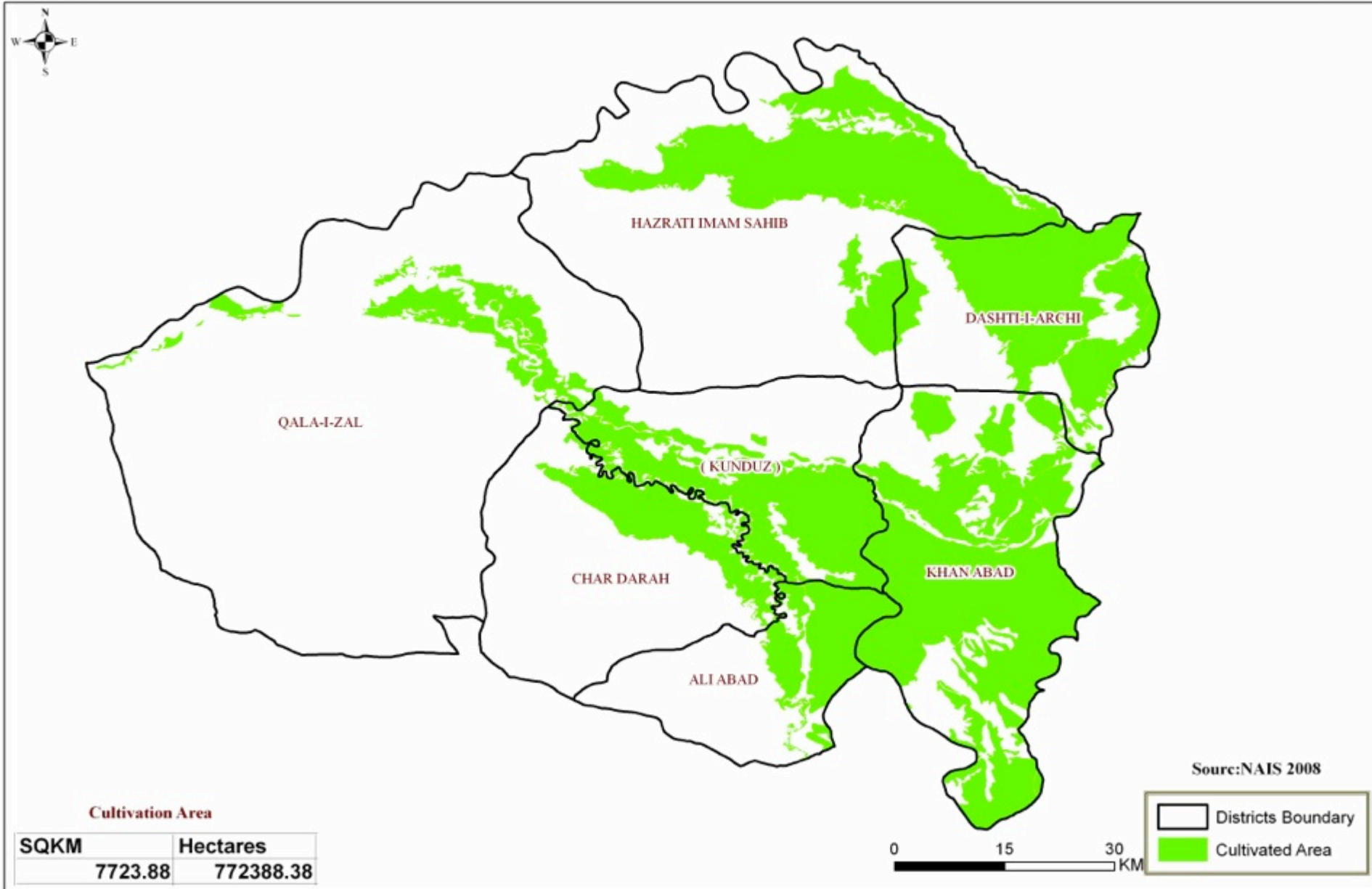
Harvesting:



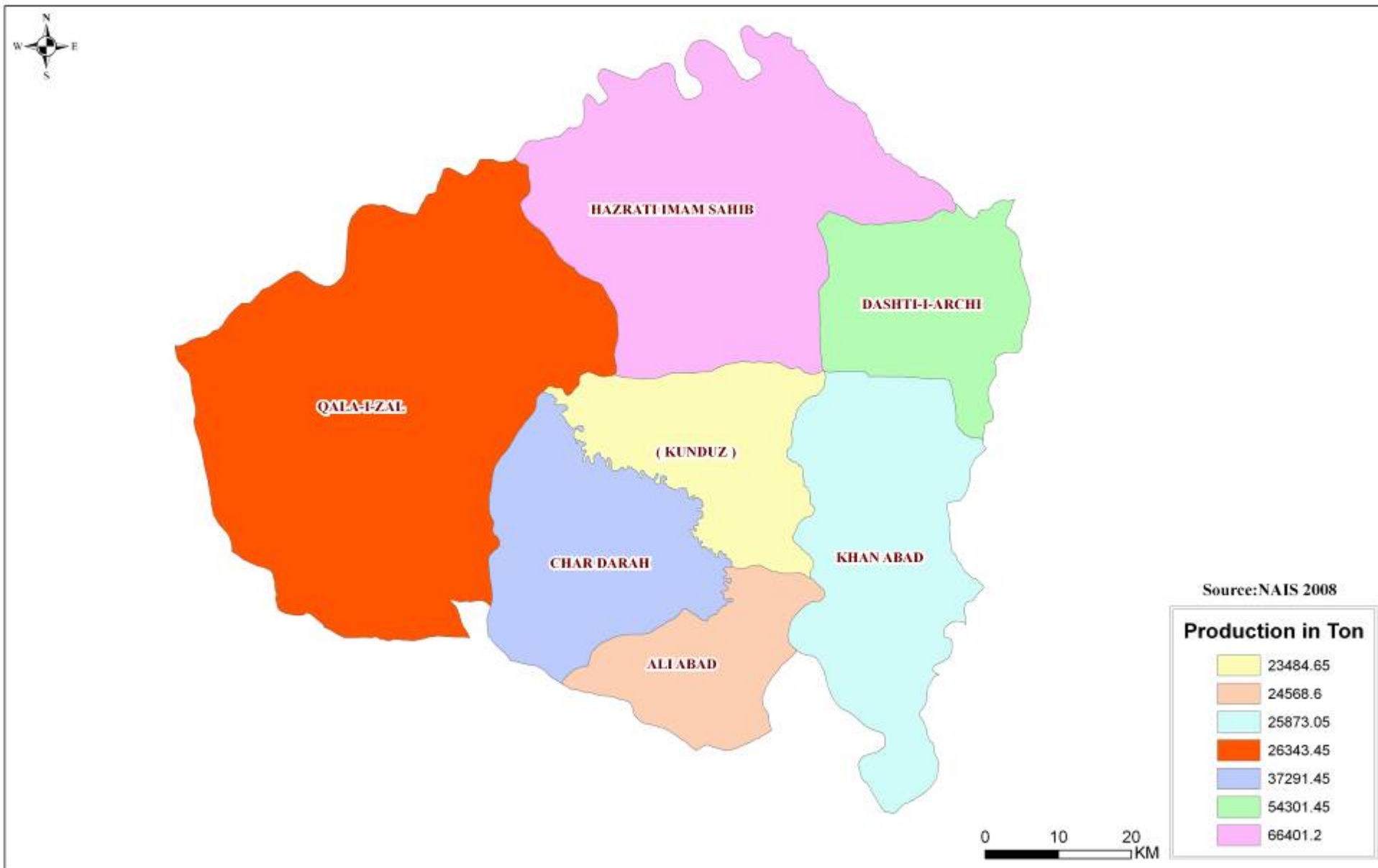
# Kunduz Province Standard Map



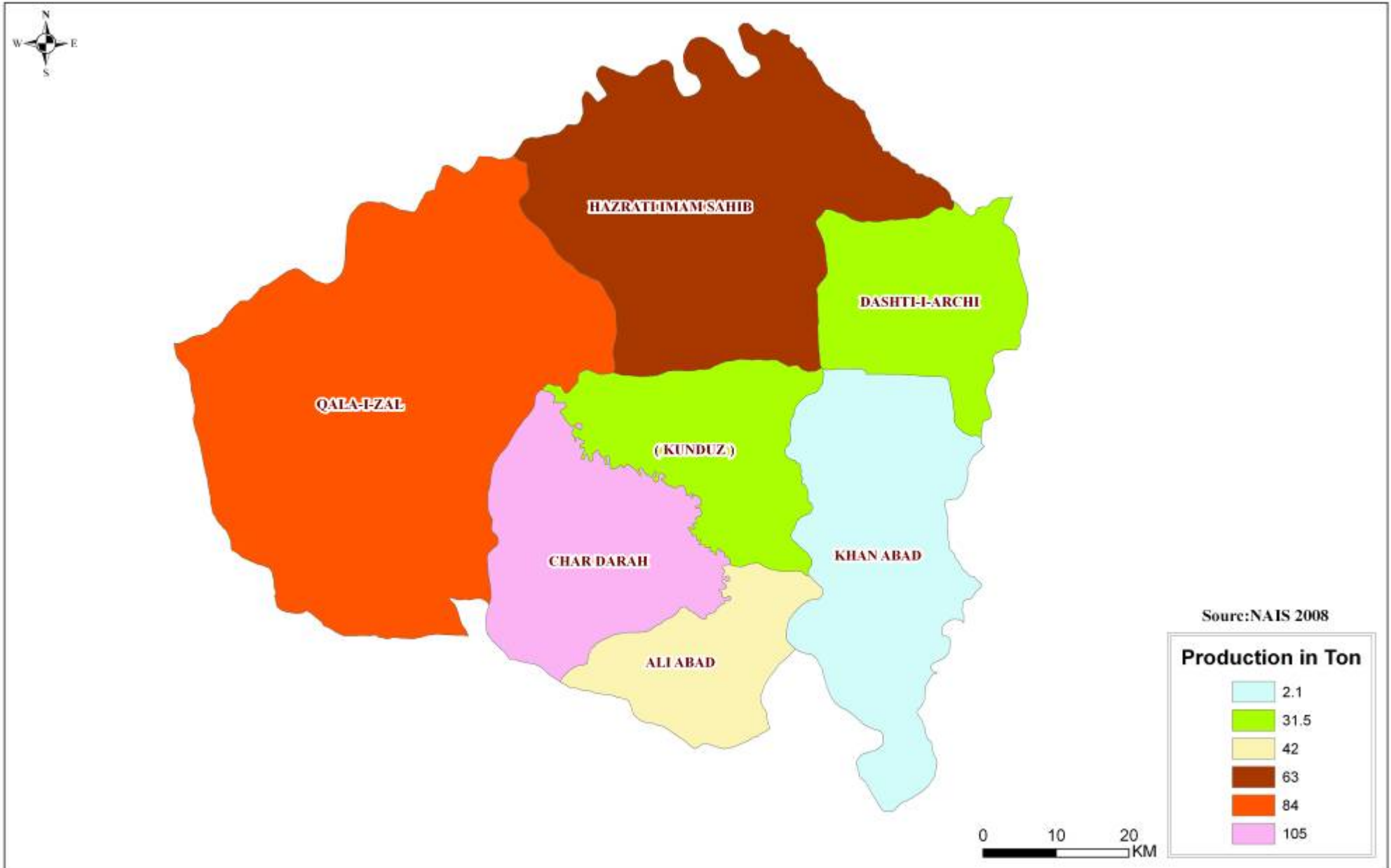
# Kunduz Province Cultivation Area



## Kunduz Province Crop Productin (Wheat)

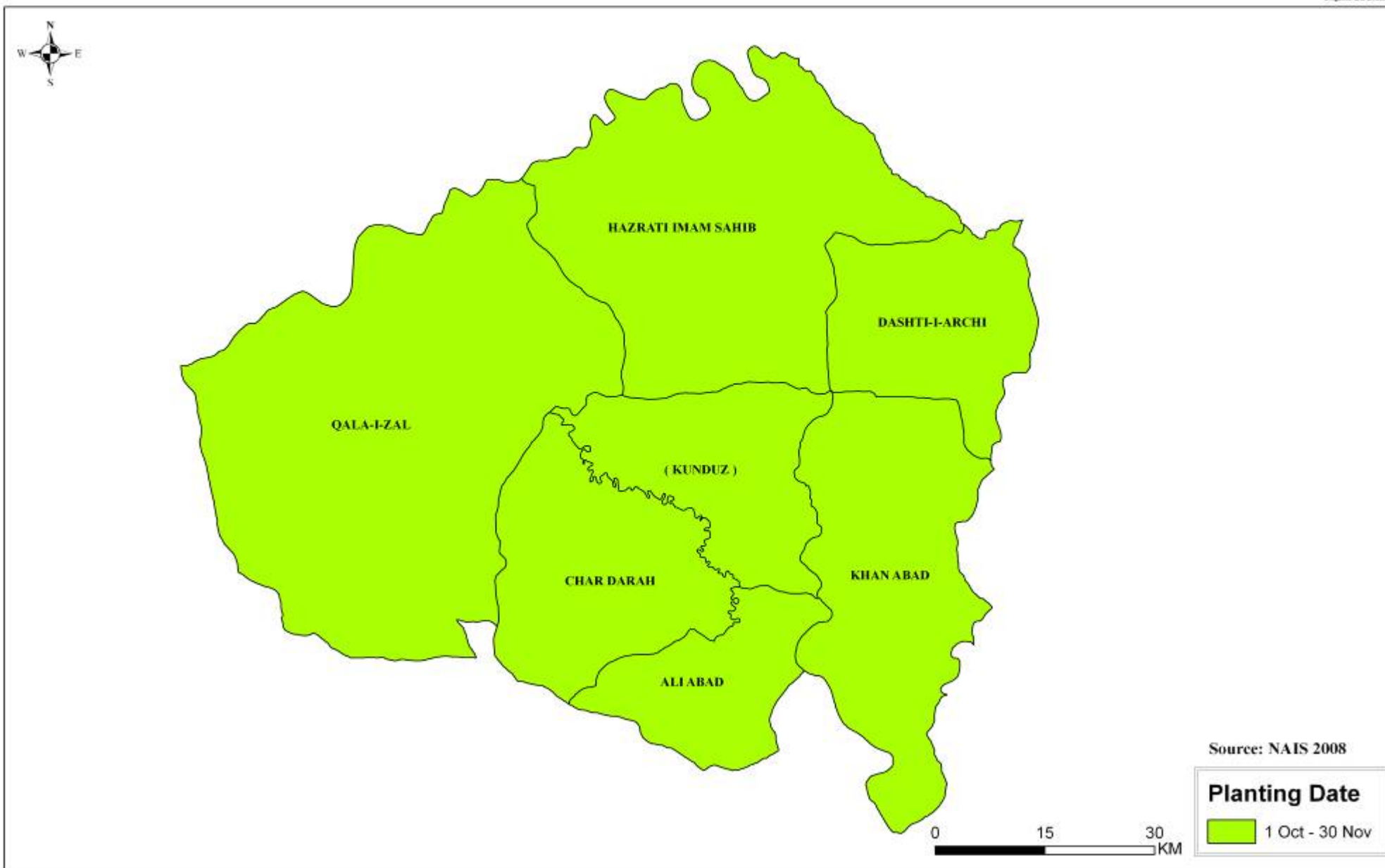


## Kunduz Province Crop Productin (Almond)

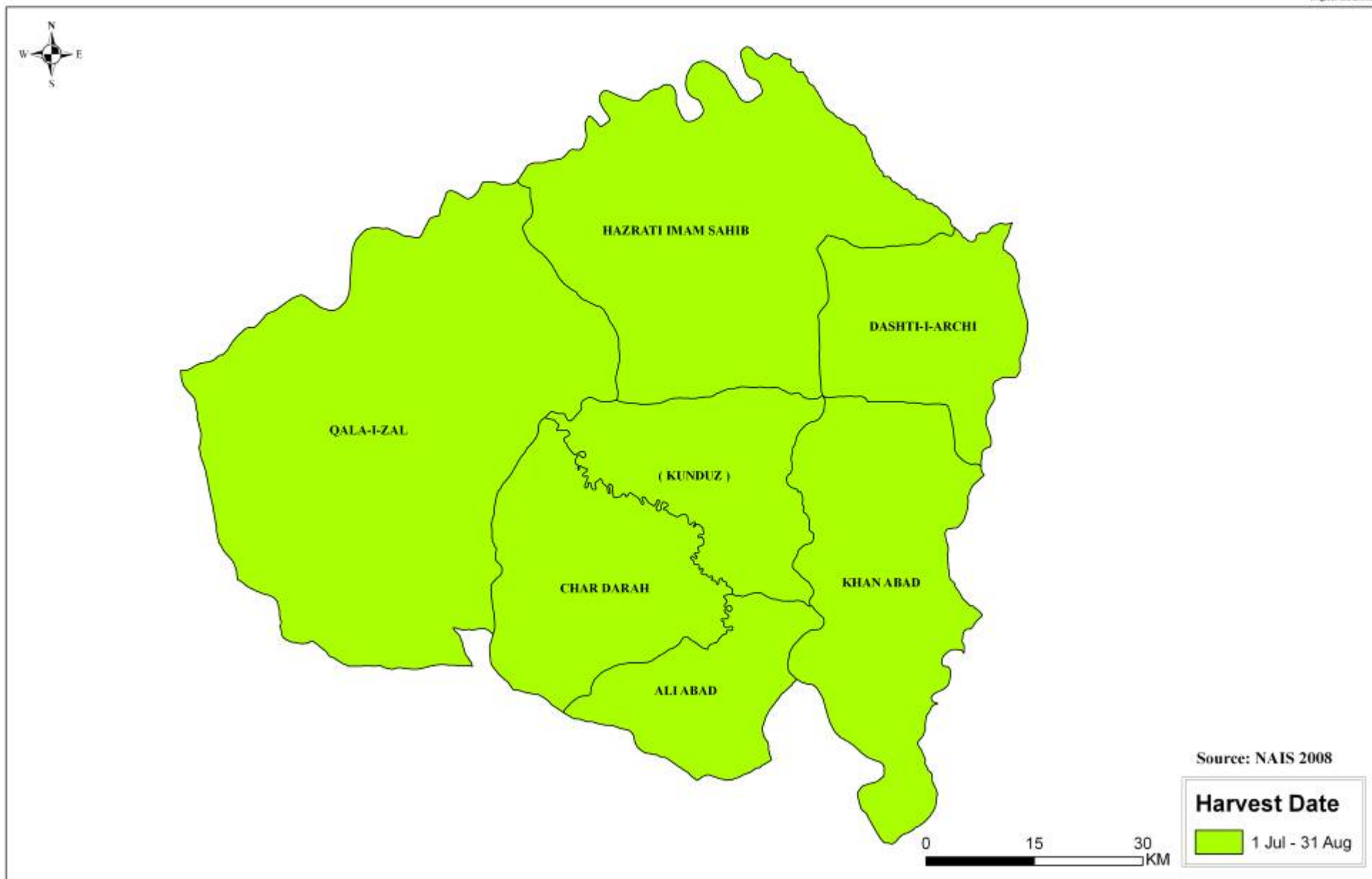




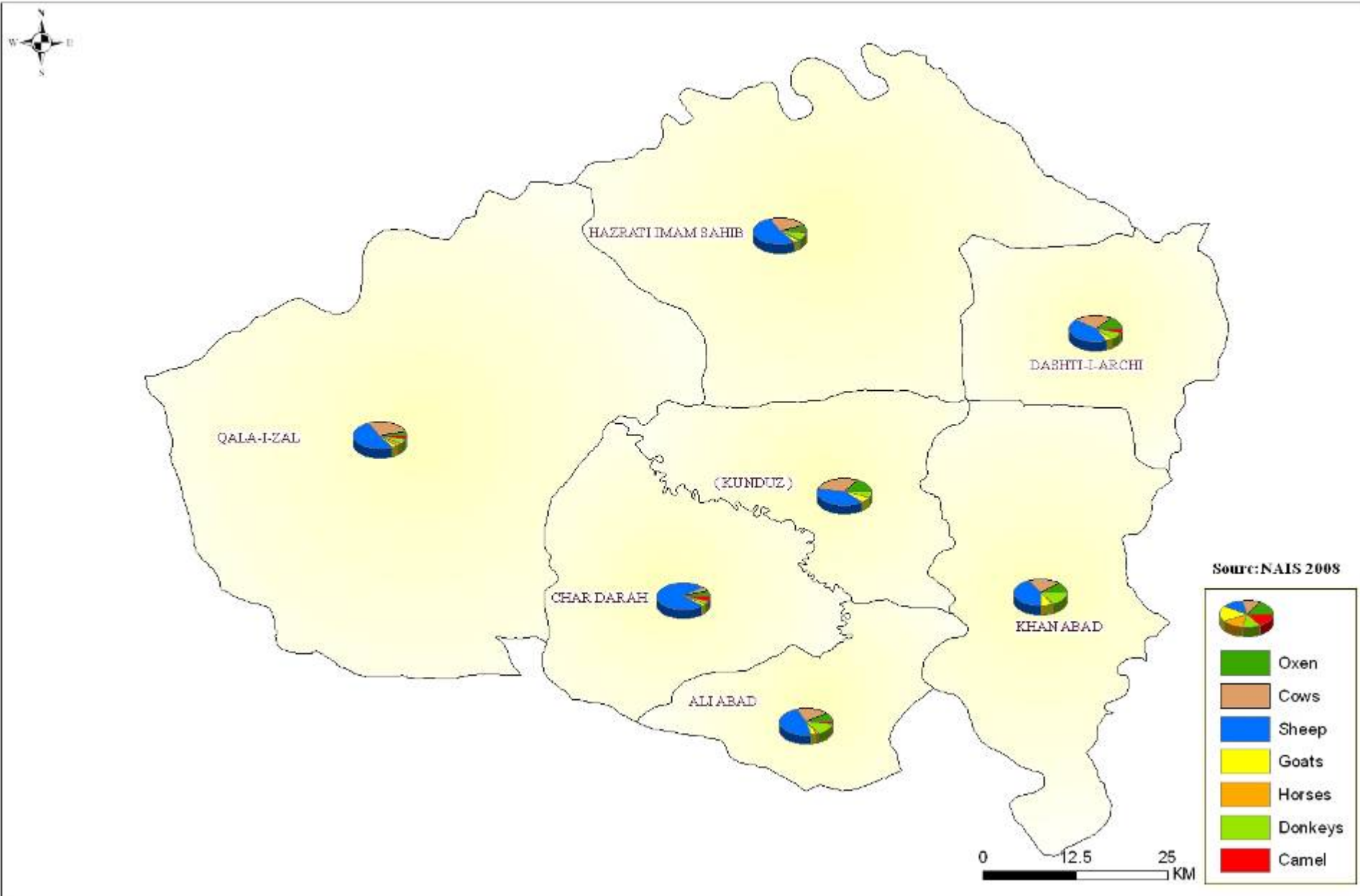
## Kunduz Province Crop calendar( Onion)



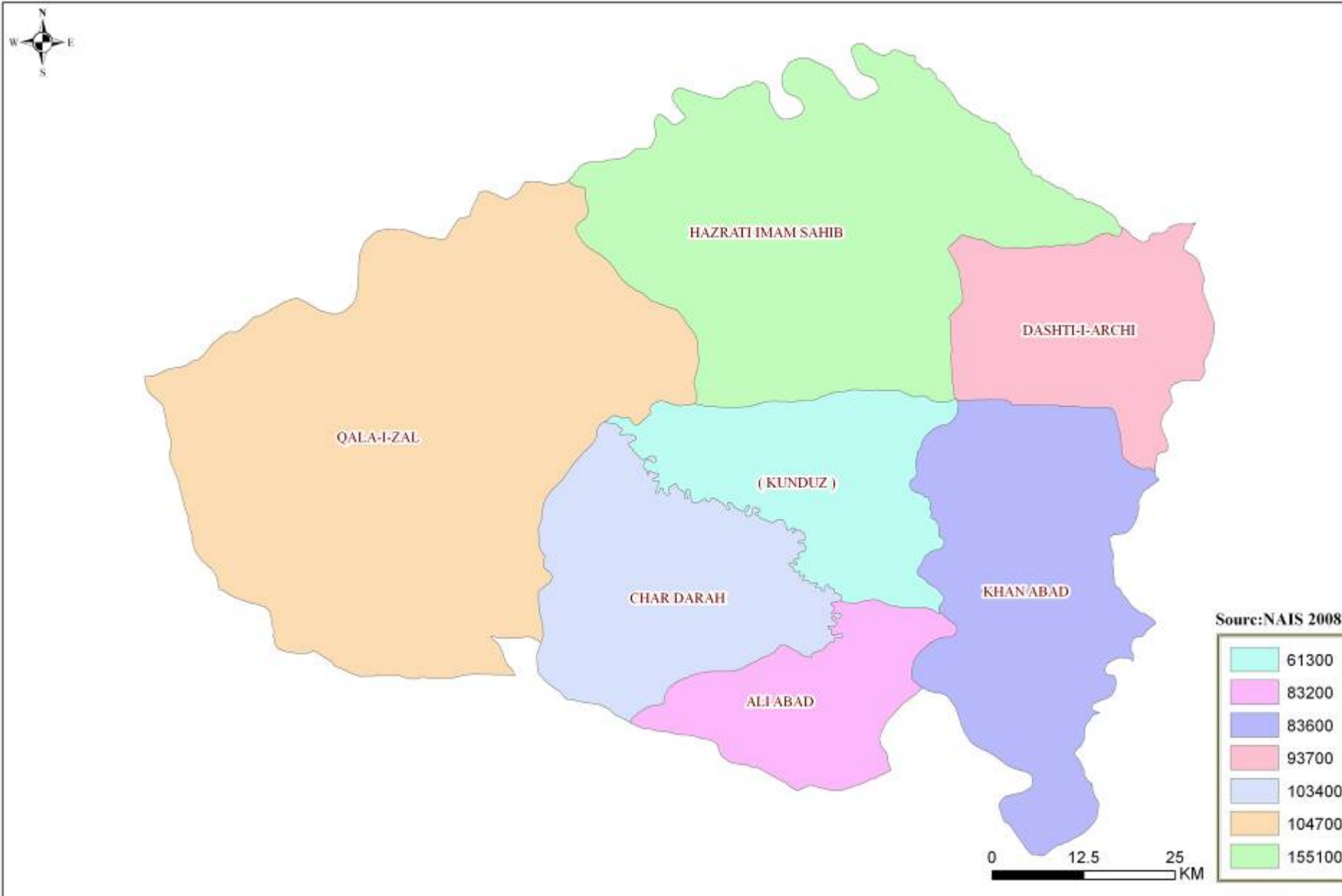
## Kunduz Province Crop calendar(Onion)



# Kunduz Province Livestock



# Kunduz Province Livestock(Sheep)





# Kunduz Province Livestock

