



ACCELERATING SUSTAINABLE AGRICULTURE PROGRAM



Sari pul 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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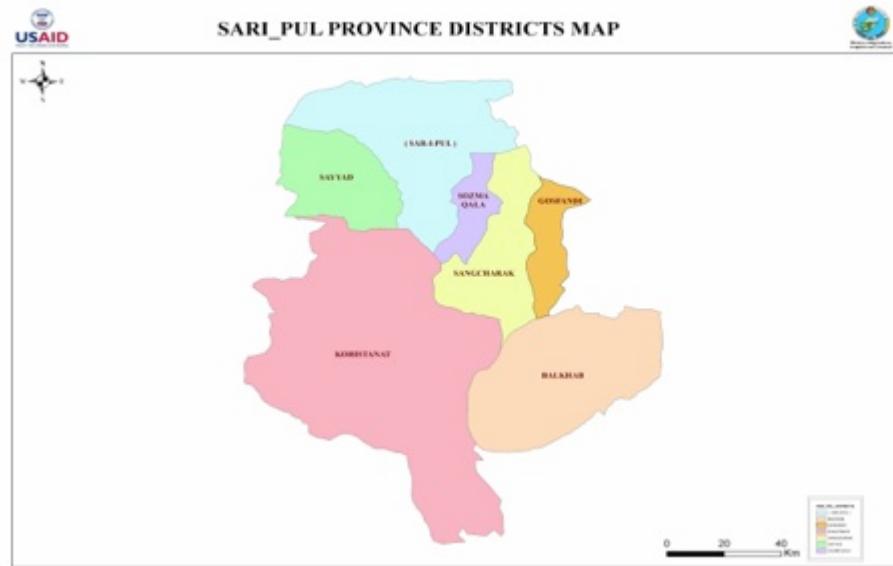
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Agriculture

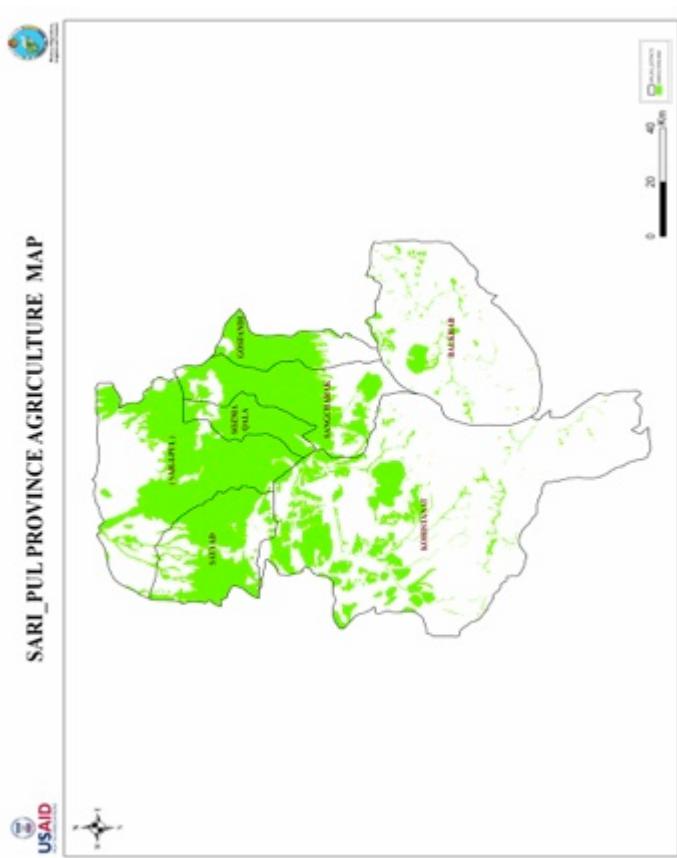
Profile and Data

In Saripul Province



Saripul Brief introduction:

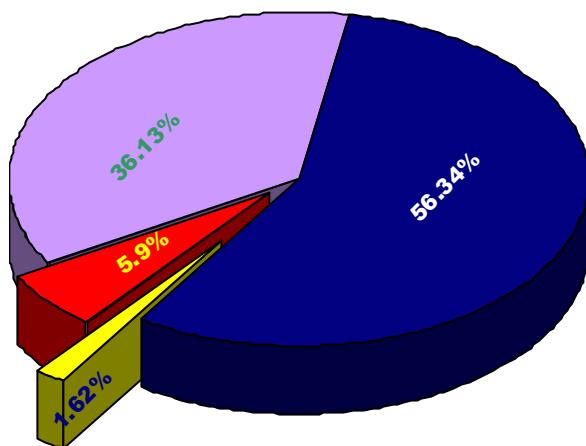
Saripul is located in the North part of Afghanistan it is home of shepherds. Saripul province located between Latitude of (34.87-36.57) and Longitude of (65.38-67.03) degree. Jowzjan is located to the north, Faryab to the west, Balkh and Samangan provinces to the East, Ghor and Bamyan provinces to the south of Saripul province. Saripul has 7 districts including Saripul center listed below. Saripul has totally 726 villages and estimated population in 2008 was 140,600 people. Saripul total area is 15,319.32 Square Kilometer from which 528,472.1 hectare is agricultural land. Saripul is famous for producing karakul, cashmere and carpet and majority of its inhabitants are raising sheep, cattle and goats.



Presently in 2008 Saripul farmers approximately cultivated 393,714 hectares of land (25.7 % of total area) and gave 1,114,883 MT of agricultural products. Saripul farmers cultivated around 27 different crops; the cultivated area is more concentrated in the Northern 5 districts of the province as mentioned in the provincial map, because of the vicinity to the Saripul River and having low land. The 67% of cultivated land is concentrated in 5 of the 7 district of Saripul. The rest of the 2 districts are raising livestock beside its agricultural activities, because of the presence of hails and mountains in the district area. Saripul districts are as follow:

1. BALKHAB
2. KOHISTANAT
3. SANGCHARAK
4. SOZMA QALA
5. SAYYAD
6. GOSFANDI
7. SAR-I-PUL

The total 2008 crop production surveyed in Saripul province was 1,114,883 MT with most of the production focused on Fruits (56.34%), followed by Grains (36.13%), and industrial crops (5.90%) vegetable make the remaining (1.62%) of the total production. The total market value of 2008 of agricultural production was estimated at 556 million US dollars. With some relevant value added processes.



Grain 402,806 tons (36.13%)	Fruit 628,180 tons (56.34%)	Vegetable 18,108 tons (1.62%)	Industrial Crops 65,789 tons (5.90%)
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Sangcharak district got first rank in total production by producing 24.23% of 2008 production in Saripul. Kohistanat got second position by producing 21.54 % of total production and Sayyad and Sozma Qala stand third by having each 21.06% and 17.30% of total Saripul products in 2008. Balkhab, gosfandi and Saripul located at the lower rank of crops but had good rank in livestock rising.

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 Saripul is the most accurate database available in the country in spite there is no estimation regarding 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 Saripul and collected by Saripul AgNet officer Mr. Jawid and approved by director of Saripul Provincial Agriculture department Mr. Mohammad Nabi Sadri in November 2008.

Grains

Annual grain production surveyed is approximately (402,806 MT) with representing market value of (265) millions. From which almost (45.8%) was major staple food/ wheat with value of (123.6) millions and the remaining (54.19%) was other grain crop with value of (141.5) millions US dollars.

Grain	Tons	Value USD \$
Wheat	184,500	123,615,570
Barely	138,500	66,480,000
Maize	6,350	3,048,000
Mung bean	3,000	1,560,000
Pea	70,456	70,456,000
Grand Total	402,806	265,159,570

Wheat and barley production takes place primarily in all districts of Saripul province, and gave 80.18 % of total Grains in this province as listed bellow. Maize was the third product planted in 3 districts gets up to 6 thousand MT of total grain production in Saripul. Sangcharak and Kohistanat districts produced the higher amount of wheat and barley (39 %) of total grains in this year.

	Wheat	Barely	Maize	Mung bean	Pea
SAR-I-PUL	16,138,500	13,050,000	750,000	-	10,756,000
BALKHAB	16,045,750	27,600,000	1,400,000	-	-
SANGCHARAK	51,799,000	5,750,000	-	-	10,000,000
SOZMA QALA	18,543,200	11,000,000	-	-	8,150,000
SAYYAD	17,605,000	25,200,000	-	-	30,300,000
KOHISTANAT	46,872,000	52,800,000	4,200,000	3,000,000	9,000,000
GOSFANDI	17,497,400	3,100,000	-	-	2,250,000
Total	184,500,850	138,500,000	6,350,000	3,000,000	70,456,000

Fruits

Fruits	Tons	Value USD \$
Grape	67,881	67,881,000
Apple	2,436	2,436,200
Pomegranate	4,276	4,275,600
Almond	3,081	21,568,750
Plum	131	39,300
Apricot	1,718	858,750
Peach	1,096	876,800
Pistachio	414	2,484,000
Walnut	1,527	2,596,495
Melon	277,020	66,484,800
Water Melon	268,600	53,720,000
Grand Total	628,180	223,221,695

Annual fruit production surveyed in Saripul province is estimated (623,180 MT) with a value of over (223) million US dollars. Melon and watermelon represent 78.8% with 120 million dollar value. Grape was a second high value fruit with 10.8% volume of production and 67.8 millions value. Although almond was another high value fruit with total of 28 million dollars revenue for Saripul farmers this year.

As was the case with grain production, fruit production is also geographically focused in all provincial districts, especially melon, water melon, grape, apple, almond, apricot and walnuts. The following chart presents the top 6 fruit producing districts. Sangcharak produced high volume of melon, grape and almond, Kohistanat was second in producing watermelon, walnut and apricot, and Saripul center got third in producing pistachio and apple in 2008.

	Grape	Apple	Pomegranate	Almond	Plum	Apricot	Peach	Pistachio	Walnut	Melon	W.Melo	
SAR-I-PUL	3,300,000	1,520,000	75,600	96,750	46,200	348,000	560,000	250,000	45,000	4,200,000	5,600,00	
BALKHAB	-	553,000	-	400,000	-	304,500	-	-	135,000	-		
SANGCHARAK	32,000,000	97,000	-	1,900,000	24,000	65,000	-	92,000	145,000	97,500,000	63,000,00	
SOZMA QALA	28,875,000	91,200	-	256,000	-	120,000	52,000	72,000	130,000	52,500,000	48,000,00	
SAYYAD	-	-	-	-	-	-	-	-	-	78,000,000	75,000,00	
KOHISTANAT	306,000	175,000	-	332,500	60,800	880,000	420,000	-	1,046,100	36,000,000	68,000,00	
GOFANDI	3,400,000	-	1,200,000	96,000	-	-	61,000	-	-	26,250	8,820,000	0,000,00

Vegetables

Vegetable production surveyed in Saripul province during 2008 is estimated at 18,108 tons, with a value of almost 5.5 million dollars. Saripul farmers produce more than 9 different types of vegetables but only potato about 14,000 tons annually with 78/05% of total vegetables crops. Onion and carrot represent almost 10.3% of the total vegetable production. The rest of the vegetables are very low products.

Vegetable	Tons	Value USD \$
Potato	14,135	4,240,395
Onion	1,866	410,465
Pepper	7	6,750
Eggplant	273	109,000
Okra	91	54,600
Round Red Reddish	51	25,500
Carrot	1,093	437,120
Spinach	185	111,000
Turnip	407	162,820
Grand Total	18,108	5,557,650

Potato and onion are produced in all districts of Saripul which made 88.38% of all vegetable produced in this province in 2008 as shown in the following table. Sozma Qala and Sangcharak produced 78.5% of all potato, Saripul center produced 56% of onion and 64% of carrot, and Kohistanat district produced 60.6% of eggplant and 30% of tomatoes in 2008.

	Potato	Onion	pepper	Eggplant	Okra	R.R.Riddish	Carrot	Spinach	Turnip
SAR-I-PUL	151,000	1,050,000	6,750	12,000	75,000	45,000	700,000	160,000	400,000
BALKHAB	1,295,000	325,000	-	-	-	-	-	-	-
SANGCHARAK	4,140,000	120,000	-	32,500	-	-	-	-	-
SOZMA QALA	7,950,000	80,000	-	-	-	-	-	-	-
SAYYAD	-	-	-	-	-	-	-	-	-
KOHISTANAT	595,900	218,750	-	165,000	-	-	360,000	25,000	-
GOSFANDI	2,750	72,000	-	63,000	16,000	6,000	32,800	-	7,050
Total	14,134,650	1,865,750	6,750	272,500	91,000	51,000	1,092,800	185,000	407,050

Industrial Crops

Industrial crops	Tons	Value USD \$
Flax	37,446	33,701,400
Sesame	28,343	28,342,800
Grand Total	65,789	62,044,200

Saripul is located to the North of Afghanistan as one of the Northern districts. Saripul River is irrigated by Saripul River. Sesame and flax are the two important industrial crops grown in Saripul and used for local consumption. Barley is good fodder or forage crop. In 2008, they produced equivalent to 62 million dollars animal fodder.

Flax and sesame is growing in all districts of Saripul province. It is mostly used as edible oil. Flax industrial crop are growing in a very small amount for household and local use only in the year 2008.

	Flax	Sesame
SAR-I-PUL	186,000	82,800
BALKHAB	440,000	—
SANGCHARAK	1,320,000	2,160,000
SOZMA QALA	7,600,000	9,500,000
SAYYAD	8,000,000	700,000
KOHISTANAT	8,000,000	7,650,000
GOSFANDI	11,900,000	8,250,000
Total	37,446,000	28,342,800

Livestock

Saripul is an agricultural and livestock rising province of Afghanistan it is located in the Northern west of Afghanistan. Based on statistic survey 27 types of different agricultural crops and 10 types of household livestock and poultry is rising by Saripul farmers.

Saripul	SAR-I-PUL	51,850	8,600
	BALKHAB	154,300	12,000
	GOSFANDI	90,724	4,600
	KOHISTANAT	159,000	13,600
	SANGCHARAK	147,598	18,000
	SAYYAD	30,820	12,600
	SOZMA QALA	76,700	10,600
	Total	710,992	80,000

(See annex –V)

Total number of HH livestock keep in Saripul is 710,992 head of animal and 80,000 of chicken, ducks and turkey. Balkhab, Kohistanat and Sangcharak districts raise 64.8% of livestock and the remaining 45.2% kept the rest of 4 districts of Saripul province. Sheep and goats are the dominant household livestock in Saripul province.

Animals	Cow	Sheep	Goat	Horse	Camel	Donkey	Total	Chicken	Turkey	Total
Heads	102,748	483,500	68,000	10,150	4,424	42,170	710,992	65,100	14,900	80,000
%	14.45	68.00	9.56	1.43	0.62	5.93	100%	81.38	18.63	100%

The number of cows is composed of oxen and dairy cow. The number of donkey could be a good indicator for the development of transportation. Sheep and goats make 77.5% of all live stock and are a sign for presence of hails and mountains in the province and a hint for industrial development.

Annex 1

Saripul province crop surveyed by Hec, Tons and USD

S,#	Crops	Hectares	Metric Tons	Value USD \$
1	Wheat	101,380	184,500	123,615,570
2	Barely	80,800	138,500	66,480,000
3	Maize	3,000	6,350	3,048,000
4	Mung bean	2,000	3,000	1,560,000
5	Pea	54,160	70,456	70,456,000
6	Potato	2,576	14,135	4,240,395
7	Onion	148	1,866	410,465
8	Pepper	5	7	6,750
9	Eggplant	42	273	109,000
10	Okra	55	91	54,600
11	Round Red Redish	20	51	25,500
12	Carrot	188	1,093	437,120
13	Spinach	90	185	111,000
14	Turnip	53	407	162,820
15	Grape	8,918	67,881	67,881,000
16	Apple	332	2,436	2,436,200
17	Pomagranate	1,218	4,276	4,275,600
18	Almond	935	3,081	21,568,750
19	Plum	51	131	39,300
20	Apricot	169	1,718	858,750
21	Peach	208	1,096	876,800
22	Pistachio	600	414	2,484,000
23	Walnut	1,306	1,527	2,596,495
24	Melon	22,100	277,020	66,484,800
25	W.melon	23,200	268,600	53,720,000
26	Flax	50,700	37,446	33,701,400
27	Sesame	39,460	28,343	28,342,800
Total		393,714	1,114,883	555,983,115

ANNEX 2

ASAP/NAIS

Ranking of Saripul Province districts by tons surveyed annually

S.#	District	Hectares	Tons	Value USD \$	% Total Tons
1	SANGCHARAK	70,265	270,145	134,329,930	24.23
2	KOHISTANAT	100,889	240,107	112,247,245	21.54
3	SAYYAD	64,060	234,805	95,811,350	21.06
4	SOZMA QALA	60,285	192,919	98,309,344	17.30
5	GOSFANDI	48,106	68,803	46,776,288	6.17
6	SAR-I-PUL	23,989	59,605	39,247,555	5.35
7	BALKHAB	26,120	48,498	29,261,403	4.35

Annex 3 Harvest seasons for Saripul

Agricultural crops surveyed

Crops	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Wheat												
Barely												
Maize												
Mung bean												
Pea												
Potato												
Onion												
Pepper												
Eggplant												
Okra												
Round Red Redish												
Carrot												
Spinach												
Turnip												
Grape												
Apple												
Pomagranate												
Almond												
Plum												
Apricot												
Peach												
Pistachio												
Walnut												
Melon												
W.melon												
Flax												
Sesame												

Annex 4

District Profile Summary for (Center) Saripul

2008

DISTRICT PROFILE:		Center Sarepul	
1	DEMOGRAPHICS	7	Water
Region:	Northern	Rain fed	85
Province:	Sarepul	Kariz	
District:	Center Sarepul	Canals	11%
Villages:	155	Springs	2%
Households:	35,000	Bored wells, #	
Estimated population:	280,000	Access/irrigated water	10%
2	Land	8	Infrastructure
Sharecroppers, %	45%	Access/drinking water	10%
Arable land, jeribs	112,000	Schools	120
Arable land, hectares (/5)	22,400	Electricity costs, Afs/KWH	12
Grazing land, jeribs	20000	Cell phone access	yes
Geographic area, Km2	2573.136	Health clinic, #	yes
Landowner, %	20	VFUs, #	yes
Irrigated land area, hectares	112,000	9	Livelihood
Rainfed land in use,hectars	0	Agro-horticulture sector, %	63
3	Primary Crops	Livestock sub-sector, %	7
Spring wheat, hectares	1,000	Bussiness and Trade %	4
Fall wheat, hectares	6,700	Government and NGO %	8
Barley, hectares	5800	Daily Labor %	18
Pea , hectares	4160	10	Small Enterprises
Flax hectares	1200	General shops, #	
Mellan+water mellan, hec	1500	Food service,#	280
Sasame, hectares	460	Flour mills,#	136
Other grains, hectares	300	Shoe repair,#	29
Other vegetables,hectares	405	Blacksmith,#	15
Other fruits,hectares	1464	Oil extraction,#	30
4	Livestock	Butcher shops, #	75
Livestock owners, %	5	Other Shops	209
Dairy cows, #	18500	11	Agricultural Facilities
Beef cattle & Draught oxen, #	4,900	Artificial Insimilation	
Sheep & Goats, #	20,500	Rentable Ag Machinary	yes
Donkey, #	5500	Improved wheat seed	yes
Horses, #	1,100	Fruit Nurseries, #	
Checkens & Turkey, #	8,600	Credit facility	yes
Camels, #	1,350	Poultry farm, #	yes
Kuchi, (families),#	400	Agrochemicals,	yes
Kuchi sheep, #	85000	Cool storage, #	
Kuchi goats, #	15,000	Green houses, #	
Camels, #	900	12	Household (HH) Indices
Kuchi other, #	2,500	Arable land/HH, jeribs	3.2
5	Transportation	Grazing land/HH, jeribs	0.571
Distance to center, km	10	Irrigated land/HH, jeribs	3.2
Time to center, minutes		Rainfed land/HH, jeribs	0
Cost to center, Afs		Total livestock/HH, #	0.895
Truck cost to center, Afs		Sheep&goats/HH, #	0.585
District roads	Paved&Unp	Poultry/HH, #	0.245
Provincial roads	Paved&Unp	Checks	
Accessibility	12 months	Household/village	225.806
6	Markets	Population/ HH	8
Provincial	yes	School/ village	0.774
District, General, day	Mon & Thur	No. of Bored wells/ village	0
District, livestock, day	Mon & Thur	No. of Enterprize/village	4.993
Traders/assemblers	yes		

Annex 5

Household Animals and Poultry in Sripul Province

ASAP/Chemonics

2008

No	Province	Districts	Livestock statistics							Total	Poultry					Total
			Oxen	Cow	Sheep	Goats	Horse	Donkey	Camel		Kock	Hens	Checks	Duck	Turkey	
1	Saripul	SARI-PUL	4,900	18,500	9,500	11,000	1,100	5,500	1,350	51,850	.	.	600	.	8,000	8,600
2		BALKHAB	13,500	9,000	110,000	9,000	2,000	10,000	800	154,300	.	.	9,000	.	3,000	12,000
3		GOSFANDI	4,000	6,000	75,000	5,000	150	350	224	90,724	.	.	4,500	.	100	4,600
4		KOHISTANAT	6,000	9,000	118,000	14,000	2,400	9,000	600	159,000	.	.	12,000	.	1,600	13,600
5		SANGCHARAK	7,623	13,275	90,000	20,000	1,000	15,000	700	147,598	.	.	17,000	.	1,000	18,000
6		SAYYAD	950	1,300	21,000	4,000	3,000	320	250	30,820	.	.	12,000	.	600	12,600
7		SOZMA QALA	1,700	7,000	60,000	5,000	500	2,000	500	76,700	.	.	10,000	.	600	10,600

Annex 6

Province: Saripul

Arable land survey cultivated, forest and pasture land in Hectare

2008

No.	Province	District	Village	Rainfed Land	Irrigated Land	Total land	Orchar ds &viens	Vegetable and Furrows crops	Cereal Crops	Forage crops	Forest land	Pasture land	Non-areable land	Mountains	Total Land area
1	Saripul	SAR-I-PUL	155	-	112,000	112,000	-	-	-	-	-	4,000	-	-	116,000
2		BALKHAB	95	-	80,000	80,000	-	-	-	-	-	20,150	-	-	100,150
3		GOSFANDI	42	-	8,000	8,000	-	-	-	-	-	10,200	-	-	18,200
4		KOHISTANAT	116	-	22,600	22,600	-	-	-	-	-	39,000	-	-	61,600
5		SANGCHARAK	138	-	24,000	24,000	-	-	-	-	-	30,000	-	-	54,000
6		SAYYAD	90	-	7,600	7,600	-	-	-	-	-	8,000	-	-	15,600
7		SOZMA QALA	90	-	16,000	16,000	-	-	-	-	-	12,000	-	-	28,000
Total			726	-	270,200	270,200	-	-	-	-	-	123,350	-	-	393,550

Annex 7

Crop Calendar

Activities **District** _____

Sangcharak Province _____ Saripuil

Date _____

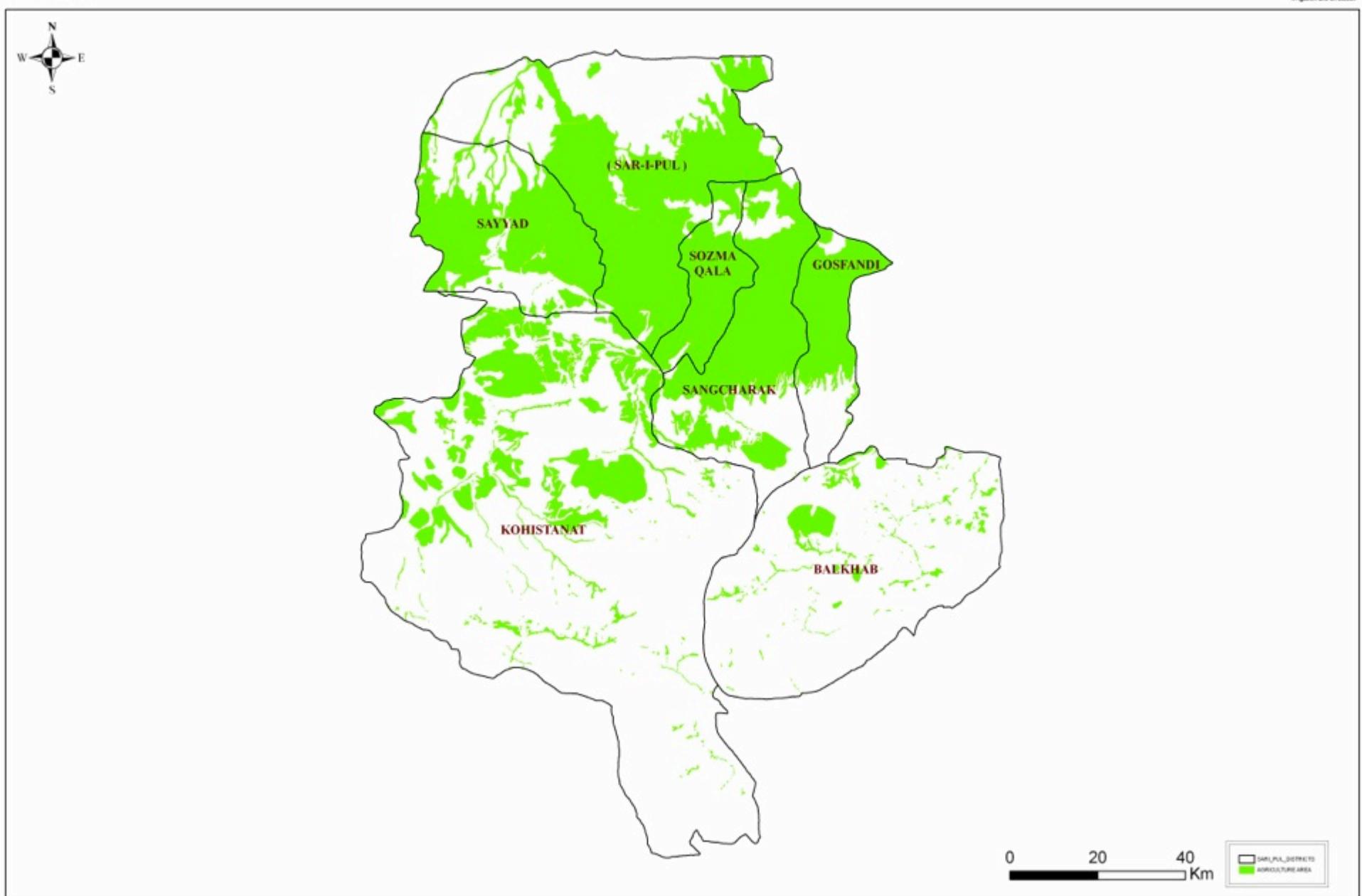
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SARI_PUL PROVINCE DISTRICTS MAP

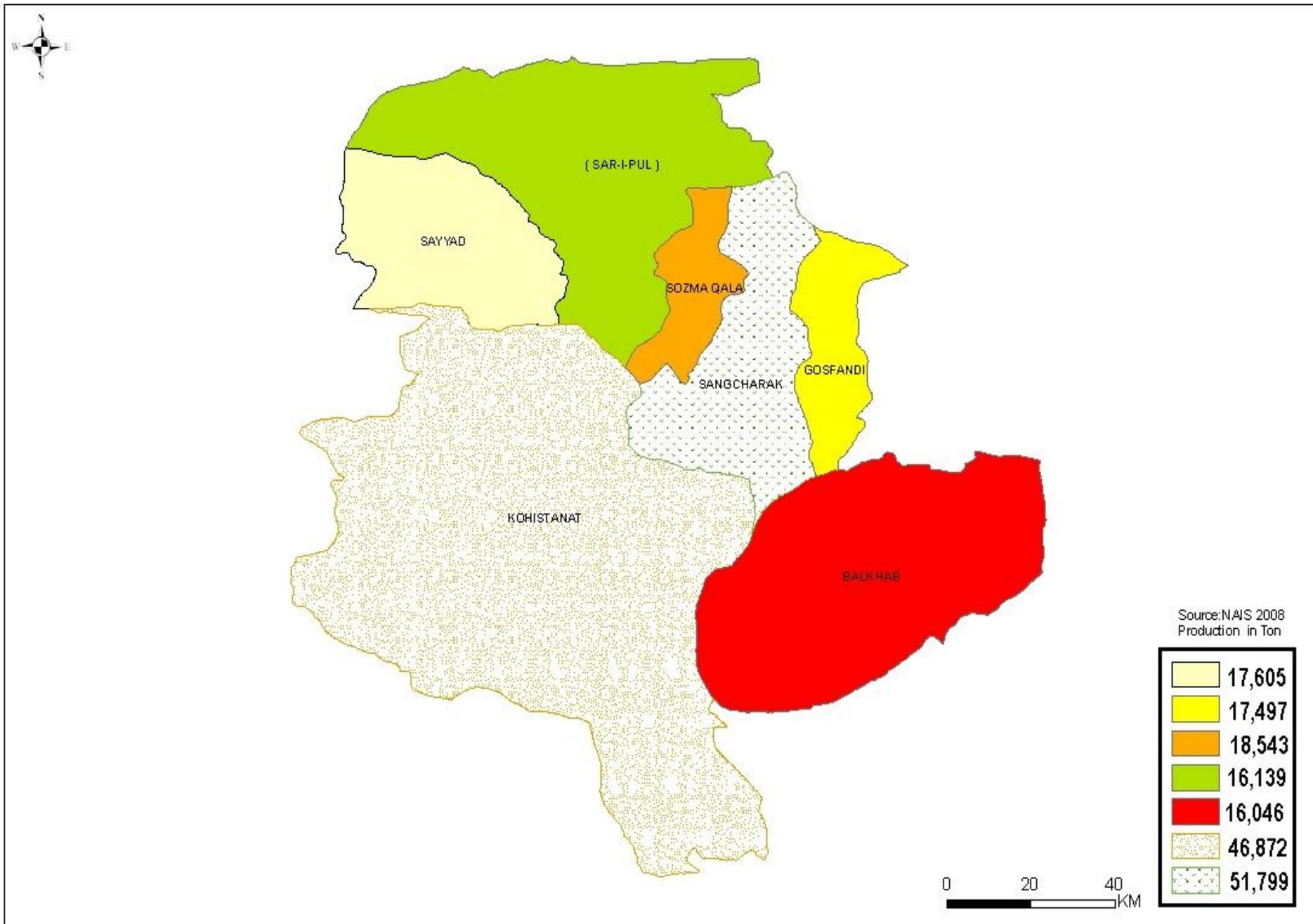


SARI_PUL PROVINCE AGRICULTURE MAP



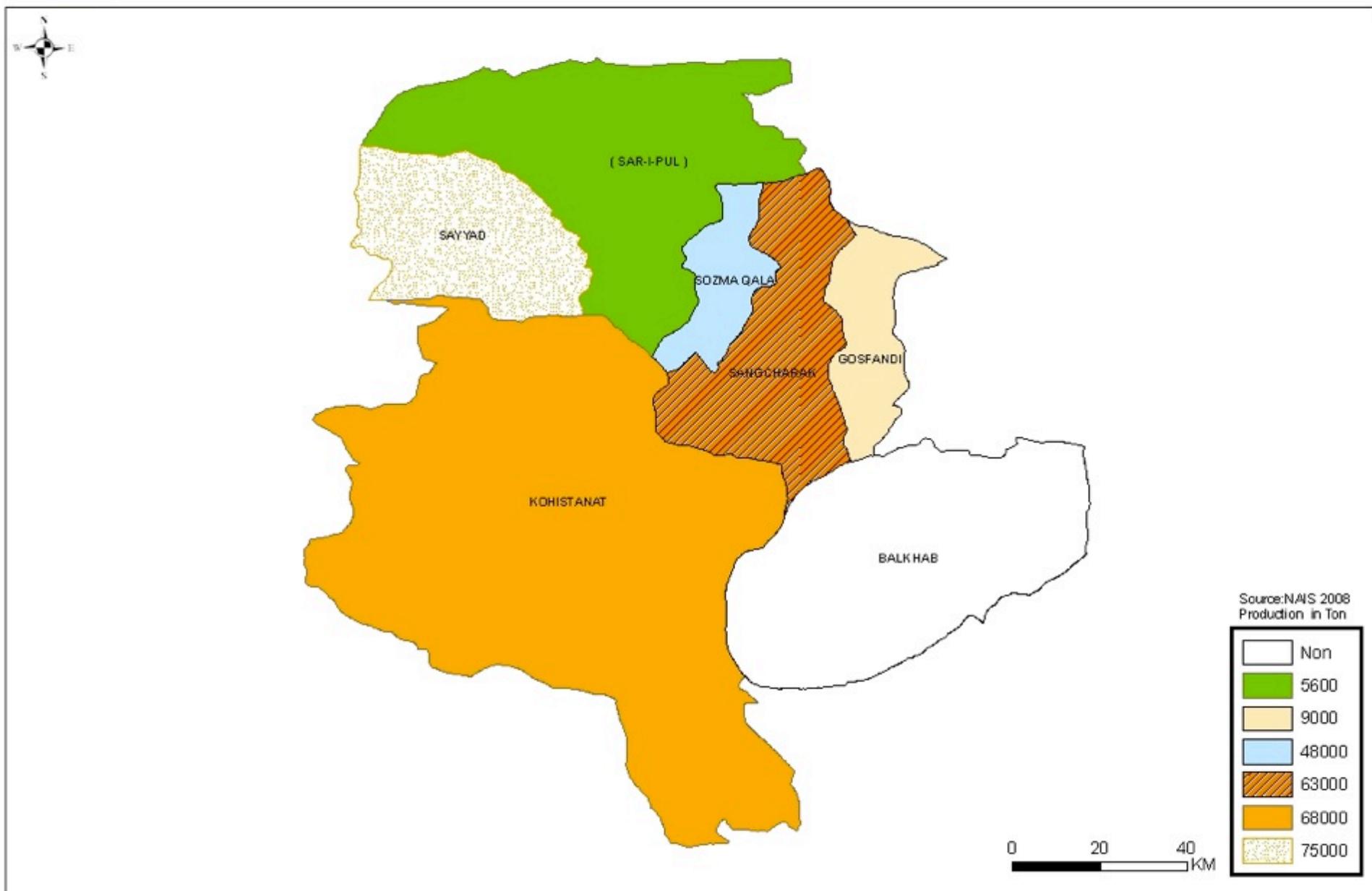


Sari Pul Province Crop Production Map (Wheat)



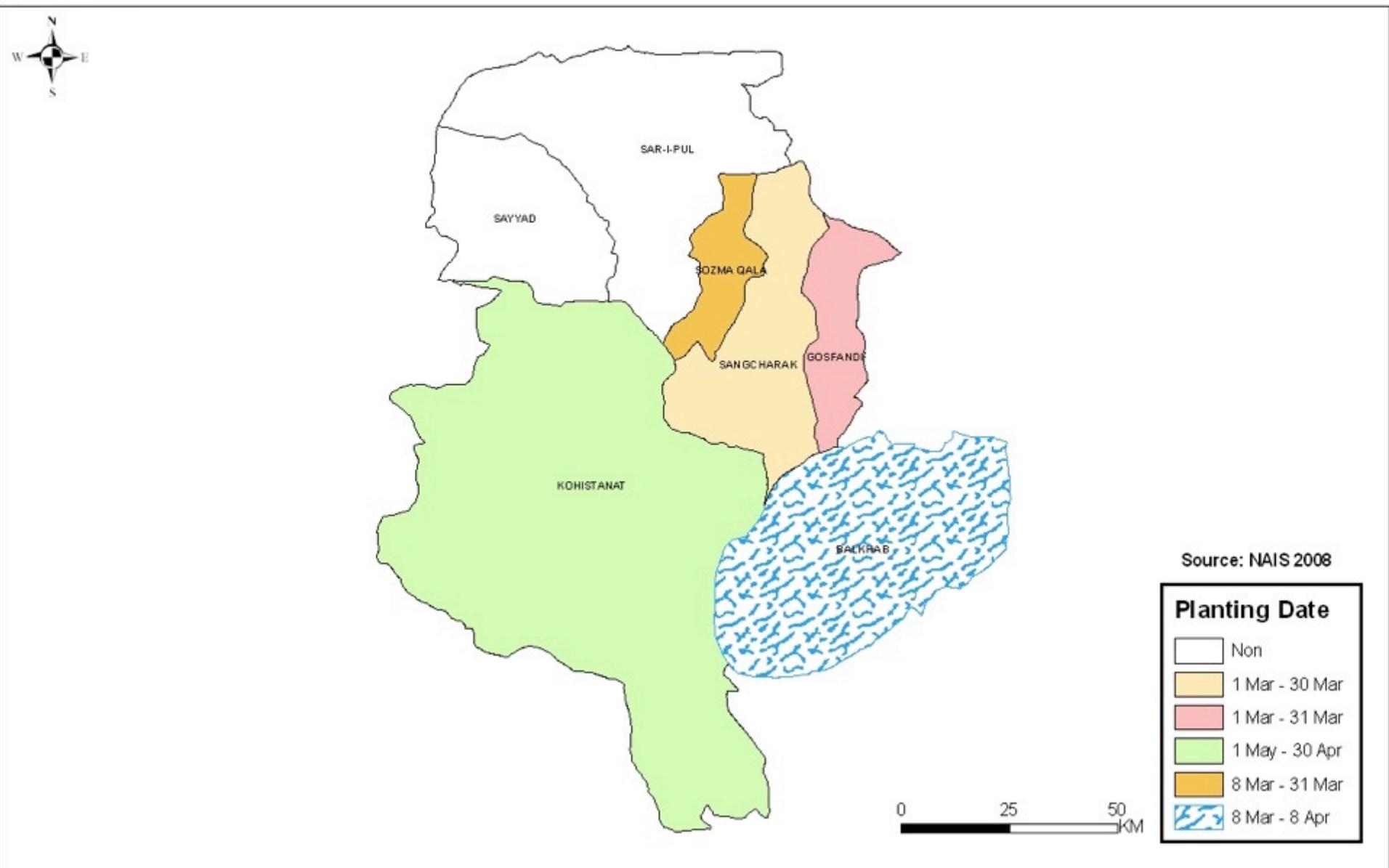


Sari Pul Province Crop Production Map (Water Melon)



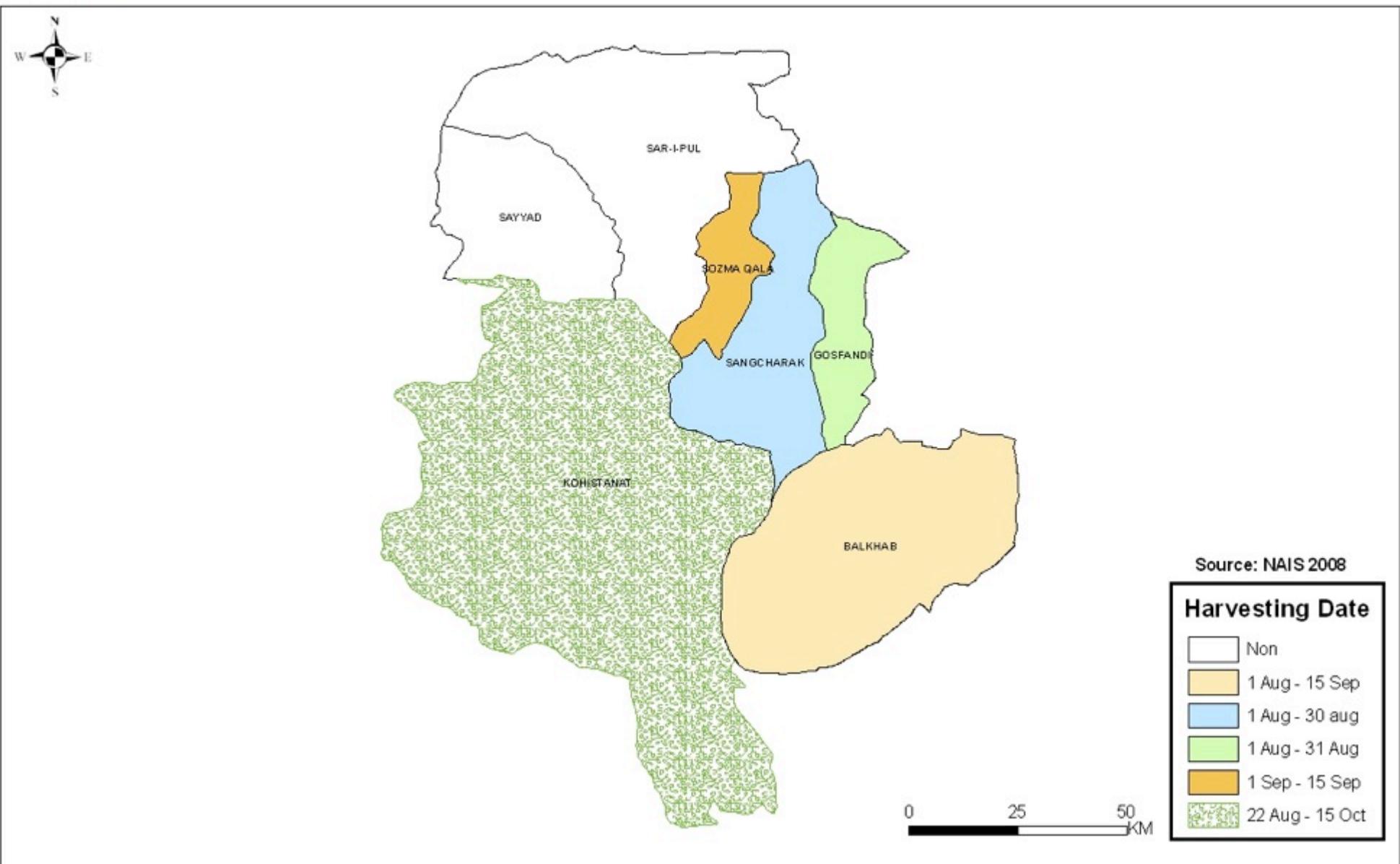


Sari Pul Province Crop Calendar Map (Onion)

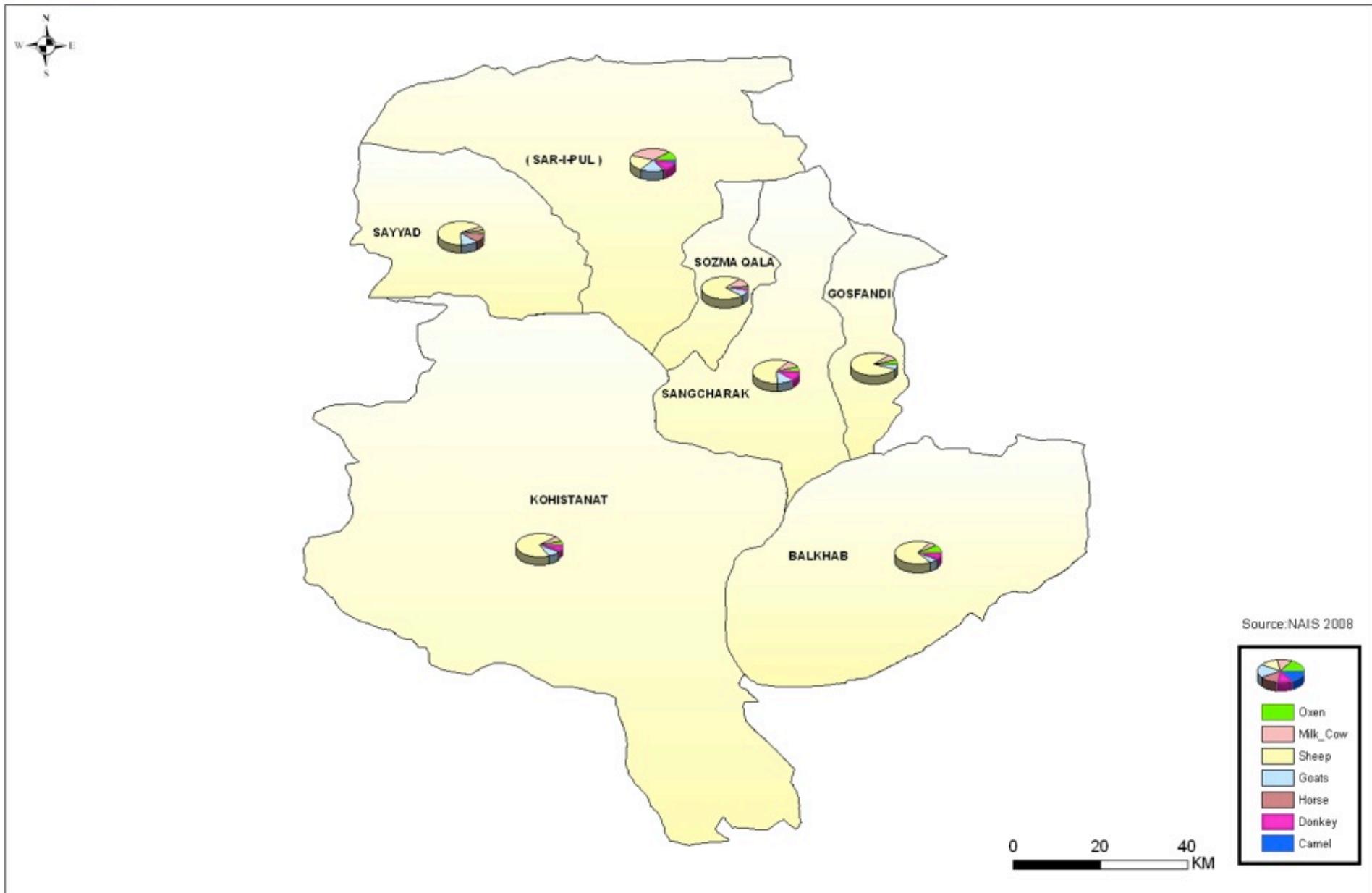




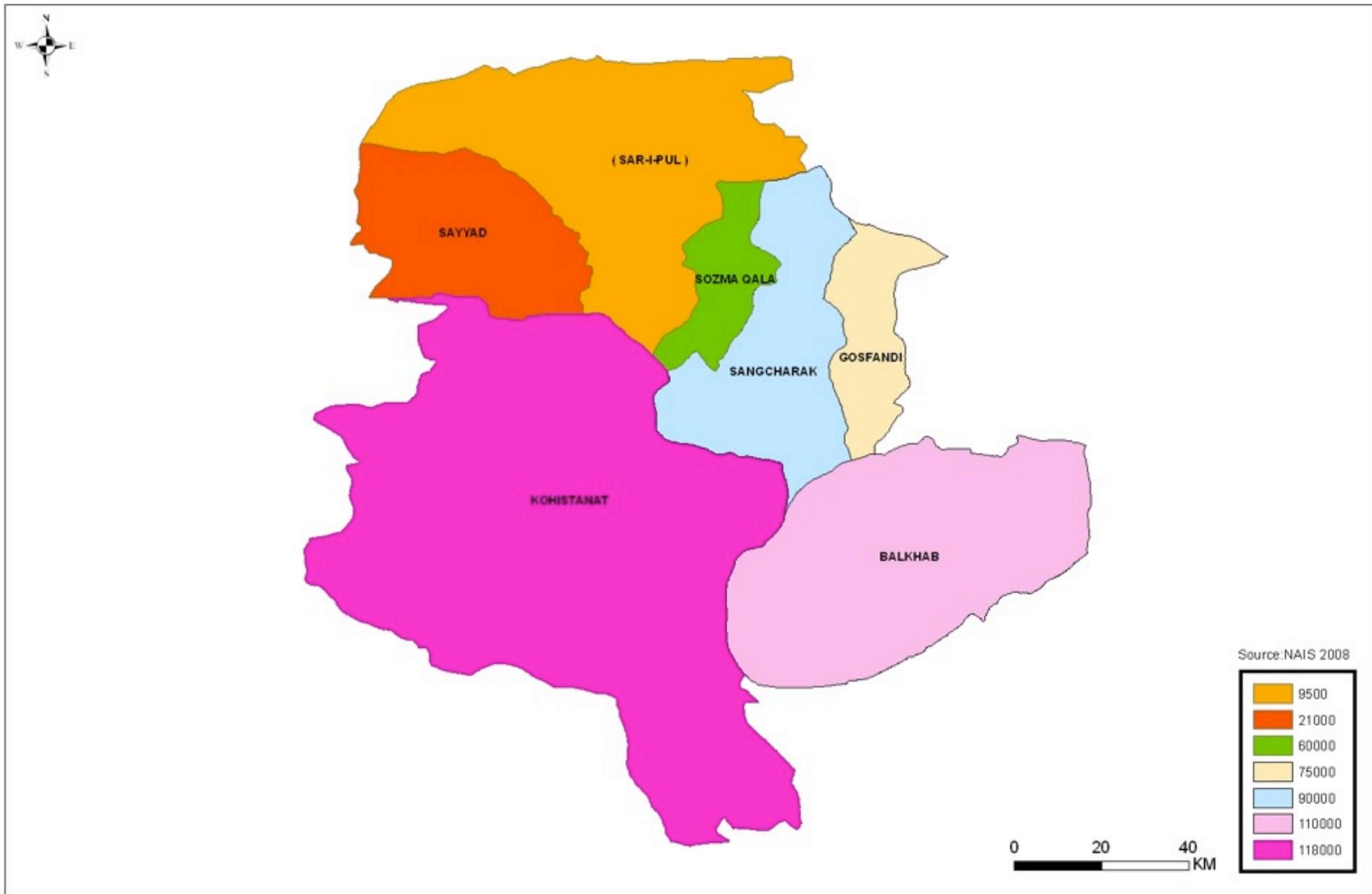
Sari Pul Province Crop Calendar Map (Onion)



Sari Pul Province Livestock Map



Sari Pul Province Livestock Map (Sheep)





Sari Pul Province Livestock Map

