



# **The Central Asia Seed Association**

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# Central Asian Seed Association

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- ❑ Established in 2007 by Seed Association of Kyrgyzstan (SAK)- 153 members and Seed Association of Tajikistan (SAT)- 40 members.
- ❑ Kazakh Seed Association ( 25 members) has join in 2008.
- ❑ 10 private seed companies from Kyrgyzstan, Uzbekistan, Kazakhstan

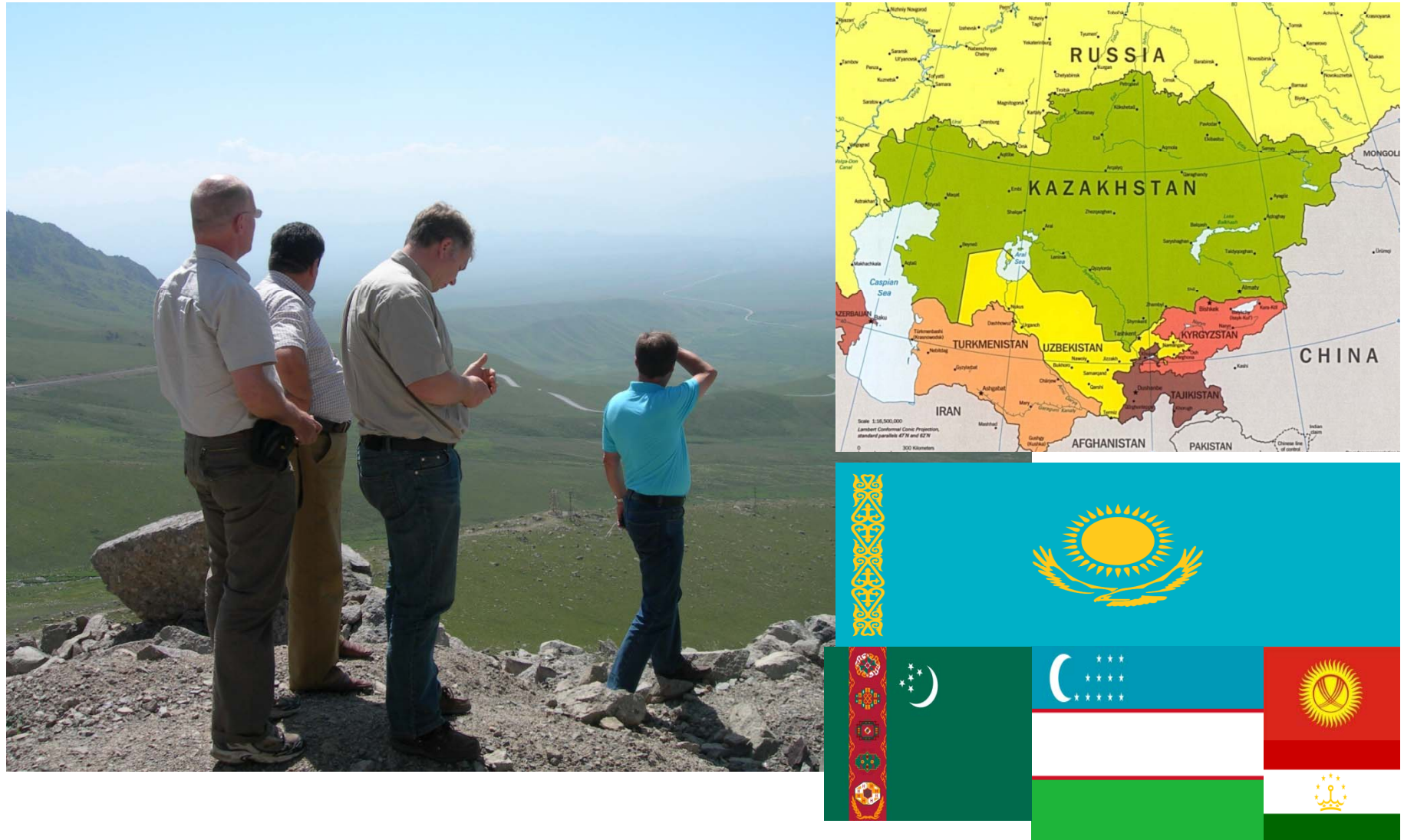


# Mission

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- ❑ To re-establish the mutual economic and technical cooperation in the fields of technology, production, distribution and trade of seed in Central Asia and post Soviet countries through linking the seed companies of the region to the international seed trade by providing information & contact

# UNKNOWN CENTRAL ASIA



# CENTRAL ASIA

- ❑ Central Asia comprises the countries of Kyrgyzstan, Kazakhstan, Tajikistan, Turkmenistan, Uzbekistan emerged as a new economic region following the break up of the Soviet Union.
- ❑ Languages :
  - Kazakh, Kyrgyz, Uzbek and Turkmen are distantly related to Turkish,
  - Tajik is close to Farsi.
  - Russian remains the working language of the region.

## General country statistics

Country/ capital	Area km 2	Population (est in million)	Total GDP (US \$ bn)	GDP/ cap ita	Agric. as % of total GDP
Kyrgyzstan/Bishkek	199.900	5.22	3.8	737	29
Kazakhstan/Astana	2.724.900	15.4	104.1	6.727	5.7
Tajikistan/Dushanbe	143.000	6.7	2.8	419	23
Turkmenistan/Asgabat	488.100	4.9	10.5	214	27
Uzbekistan/Tashkent	447.400	26.54	17.2	647	38

# Agriculture

## Agriculture statistics

Country/ capital	Agri. Land area (ha)	Arable land area (ha)	% arable land with irrigation	Area of major crops (ha)	Value of agric export/year, (US\$ in million)
<b>Kyrgyzstan/Bishkek</b>	<b>10.213.500</b>	<b>1.344.500</b>	<b>915.800</b>	Cereals-607.130 Potato - 86 000 Legumes/grasses- 170.000 Cotton - 35 000 Oil crop - 72 000 Vegetables -42 000	<b>113</b>
<b>Kazakhstan/Astana</b>	<b>215.719.300</b>	<b>23.145.400</b>	<b>6%</b>	Cereals - 14.000.000	<b>693</b>
<b>Tajikistan/Dushanbe</b>	<b>3.829.500</b>	<b>704.200</b>	<b>70%</b>	Cotton - 262.893 Cereals -401.912 Potatoes - 72.905	<b>204</b>
<b>Turkmenistan/Ashkabat</b>	<b>40.540.000</b>	<b>1.850.000</b>	<b>90%</b>	Cereals - 790.000 Cotton - 730.000	<b>86</b>
<b>Uzbekistan/Tashkent</b>	<b>26.750.000</b>	<b>4.485.000</b>	<b>95</b>	Cereals - 1.429.000 Cotton - 567.487	<b>835</b>

# Vegetable production in Region

	Arable land , thousand ha	% of arable land with irrigation	% of arable land under vegetabl es	Average area, thousand ha	
				vegetabl es	cucubuit crops
Uzbekistan	4,485,0	95	4,23	140,0	50
Kyrgyzstan	1,344,5	69 %	3,7	40,0	9,0
Kazakhstan	23,145,4	6%	0,7	110,0	43,0-45, 0
Tajikistan	704,2	70%	6	33-35	10-12, 0
Turkmenistan	1,850,0	90	2,5	40, 0- 42, 0	16, 0- 18, 0

# Agriculture

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- ❑ Two general features define the agriculture of the region:
  - ✓ a strongly continental climate with cold winters & hot summers,
  - ✓ intensive crop production depends on irrigation.
  
- ❑ Kyrgyzstan & Tajikistan are extremely mountainous (90 % & 93%) provide a huge water resource, much of which is used to grow cotton in Uzbekistan & Turkmenistan.
  
- ❑ Desert occupy large areas of Uzbekistan, Turkmenistan, Kazakhstan, making arable agriculture impossible without irrigation.



# Agriculture

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- ❑ Wheat is the staple cereal of the region. Kazakhstan produced in 2008 more than 18 million tons, in 2009 – 21 million tons..
- ❑ Uzbekistan, Tajikistan, Turkmenistan, Kyrgyzstan, southern part of Kazakhstan temperate produce fruit and nut trees such as apple, apricot, grapes, walnut & pistachio.
- ❑ Rice is grown , but only for local consumption.
- ❑ Kyrgyzstan, Tajikistan offer excellent potential for potato production, for seed & for consumption.

# Agriculture- history

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- ❑ In the time of the Soviet Union, all agricultural production was organised into state or collective farms which were large integrated units with common services.
- ❑ Tajikistan & Uzbekistan were as the cotton producing republics.
- ❑ Kyrgyzstan was always a country of livestock production, as a way of using its large areas of mountain pastures.
- ❑ Tajikistan & Kyrgyzstan also became major producers of forage & some vegetable seeds for the Soviet union, with exports of lucerne (alfalfa) seed in particular, reaching to Eastern Europe & the Baltic States.

# The Seed Industry

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- ❑ In the Soviet times, seed production was an integral part of the central planning process within each republic. There was a limited number of designated seed farms linked to the plant breeding institutes which supplied all the seed needs in the major crops such as wheat, cotton, forages and maize.
- ❑ Plant breeding was strongly supported by the state.
- ❑ The seeds of the staple crops, such as the cereals, cotton & legumes will be produced in the region for economic reasons, although some hybrid maize is being imported from China & Moldova.
- ❑ Vegetable seed production (OP varieties) mainly for local and Russian market

# The Seed Industry

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- Most countries of the region benefited from projects to support the seed sector in the early years of independence, with the EU & World Bank being the main donors.
- Subsequently, the Swedish International Development Cooperation Agency (Sida) has provided comprehensive support to the seed sector in Kyrgyzstan & Tajikistan.
- The Central Asia Seed Association (CASA) was also established in 2007 to promote regional collaboration in the seed sector.
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# Future prospects

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- ❑ Given their location at the heart of Asia, these countries can look in all directions for their trade & development.
- ❑ Export & investment from China is already having a strong impact on Kazakhstan & Kyrgyzstan while the revival of the economy in Russia is opening up new opportunities for export of vegetables.
- ❑ Also initiatives to restore the seed trade links of the Soviet Union countries.

# Major crops grown and area



Crop	Average thousand ha
Winter wheat	261,095
Spring wheat	151,106
Winter barley	11,415
Spring barley	94,544
Oat	912
Buckwheat	203
Rice рис	6,347
Maize	72,045
Millet	92
Sorghum	124
Sub-total	597,883

Pulses	35,885
Cotton	45,74
Sugar beet	13,64
Tobacco	5,60
Oil crops (Sun flower))	58,91
Other oil crops Другие	18,99
Other industrial crops	466
Sub-total	143,36

Potato	81,150
Vegetables	41,18
Cucurbits (melon, pumpkin etc)	5,05
Other vegetables	76
Sub-total	127,46
Maize for silage	6,32
Perennial forages	9,59
Perennial forages (more than one year )	186,67
Other forage crops	26,38
Sub-total	228,97
Total	1,097,68

# Yield of main crops, average



Crop	Tons/ ha
Wheat	2, 5
Barley	2.5
Rice	2.8
Oats	2.4
Buckwheat	1, 5
Maize	5.9
Millet	1, 7
Phaseolus bean	1.5
Oil crops	1.0
Cotton	2.6
Alfalfa ( hay)	12,0
Sugar beet	25, 0
potato	16, 5

# Maize seed production, tons



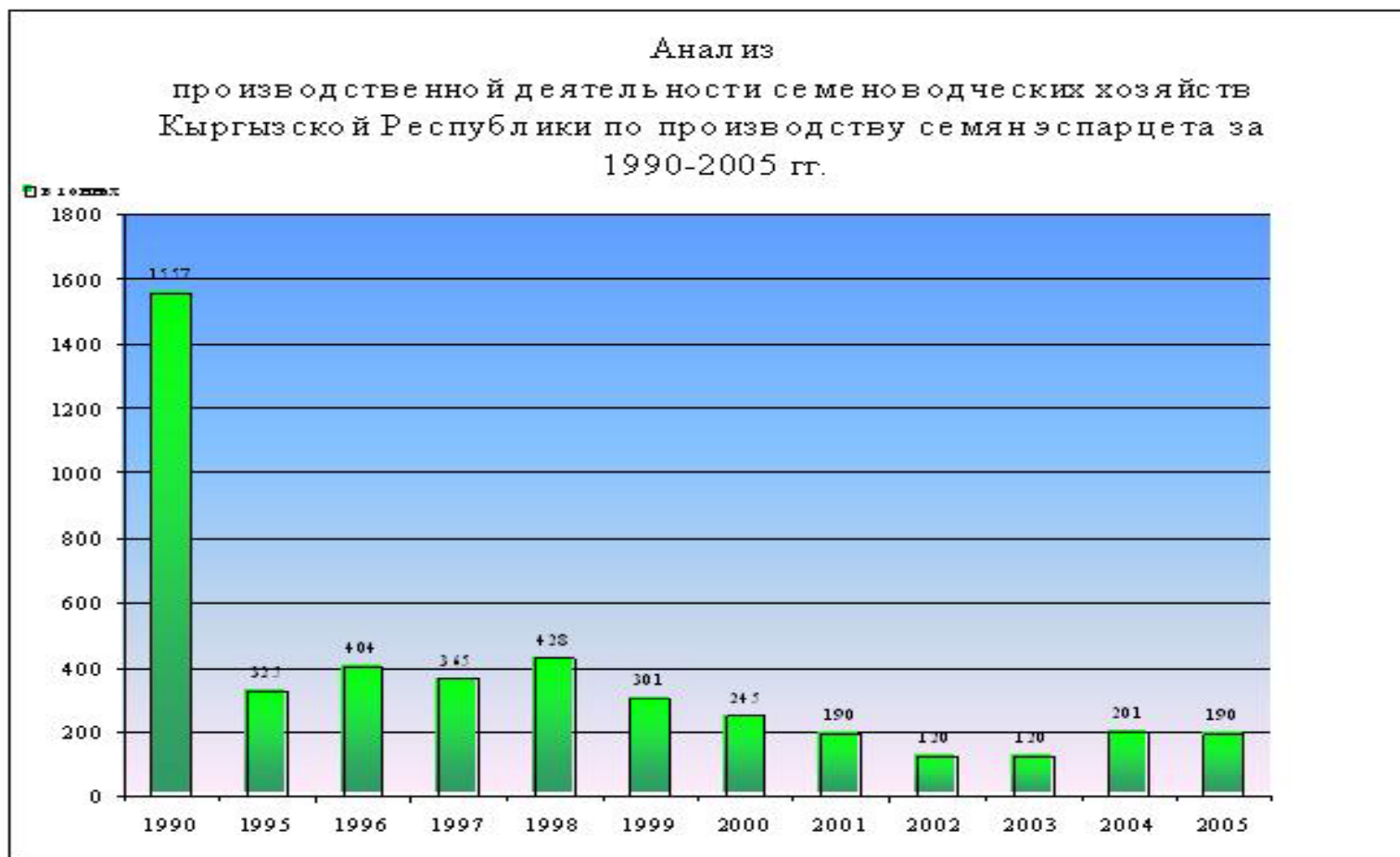




# Sugar beet seed production, tons



# Sainfoin seed production, tons



# Alfalfa seed production , tons



# Seed production в 2007 , tons



**Cereals – 27 552**

**Maize - 176**

**Pulses – 188**

**Cotton- 980**

**Sugar beet- 39**

**Potato- 1230**

**Alfalfa- 204**

**Sainfoin- 207**

# With new partners from

## TURKEY



## FRANCE





# With our traditional partners

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**in CIS countries**



We are always the Seed Way



**TOSHAKUR  
CHONG RAXMAT!**

**SPASI BO!**

**THANK YOU !**