

Emerging competitors for US corn producers: Russia

Thünen Institute of Farm Economics
Sergey Chetvertakov

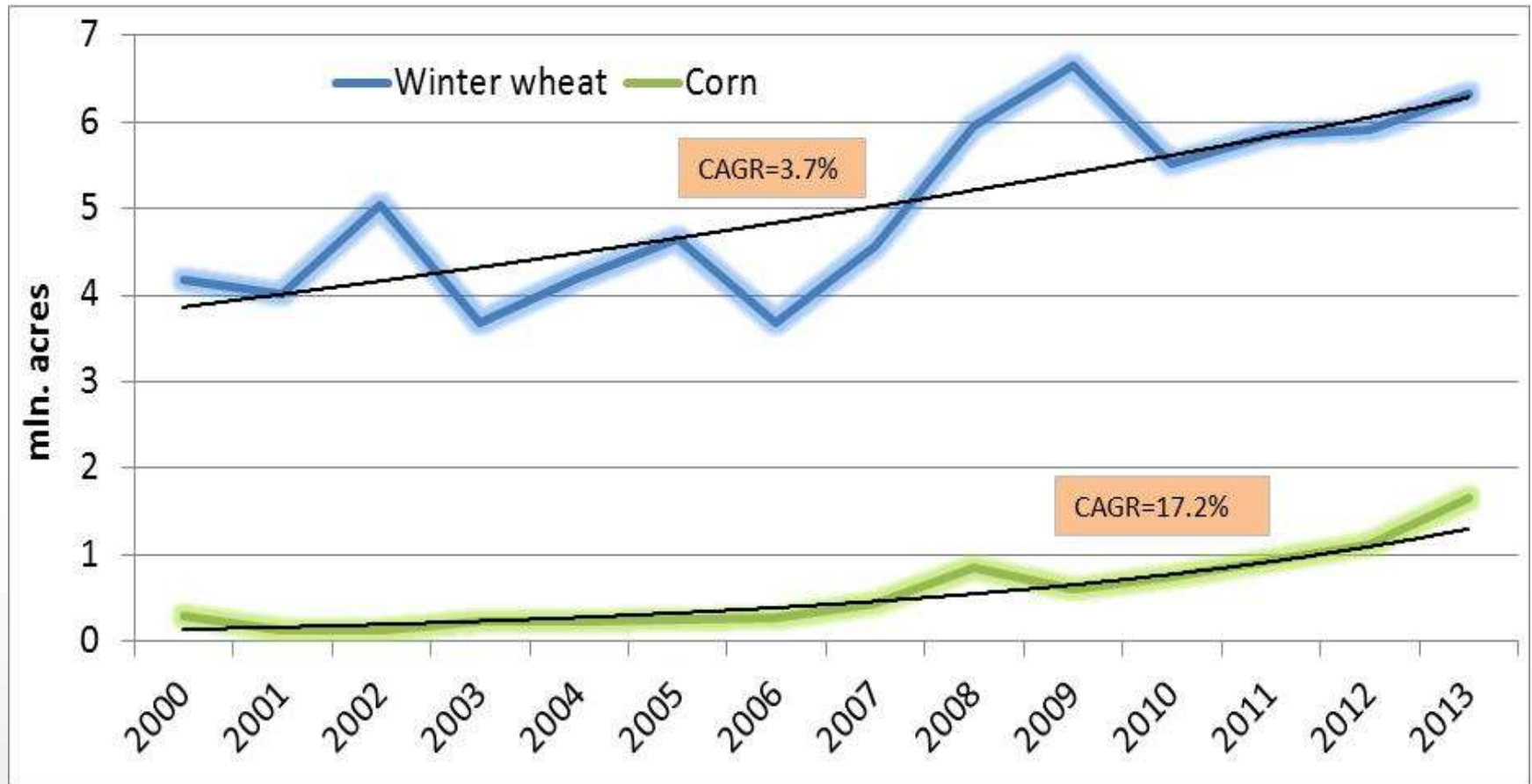
Commercial partners



Why bother about Russian corn production?

(1) Corn production is rapidly increasing

Evolution of corn and wheat acreage in CBSR



Source: <http://www.fedstat.ru/indicator/data.do>

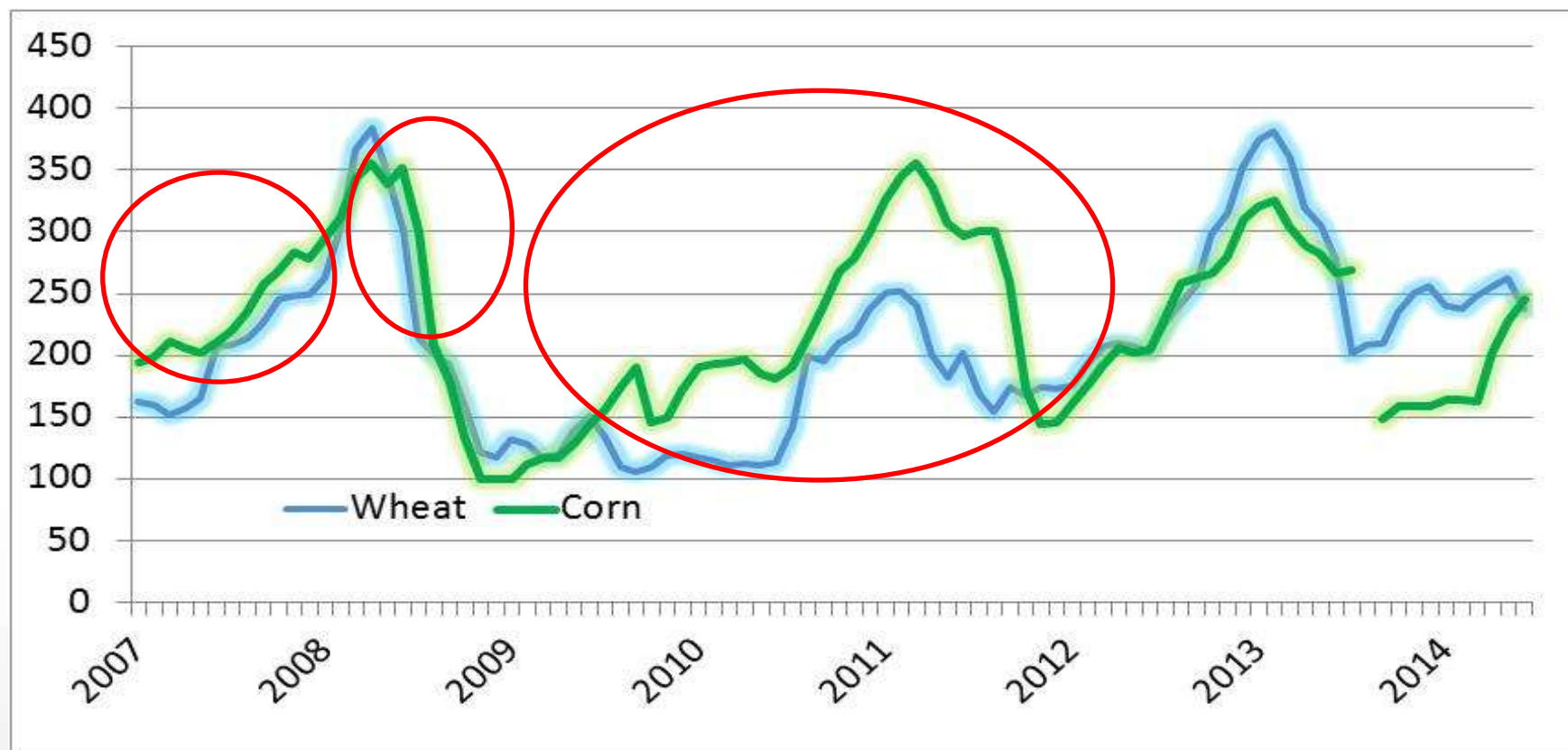
Why bother about Russian corn production?

- (1) Corn production is rapidly increasing**
- (2) Favorable agronomic conditions are for corn (similar to North Dakota)**
- (3) Existence of grain handling infrastructure**
- (4) Increased corn exports can influence world market prices**

Agenda

1. Market conditions in Russia
2. Evolution of corn and wheat in Central Black Soil Region
3. Economics of corn and wheat production:
 - A) *agri benchmark* data
 - B) Survey data
4. Conclusions

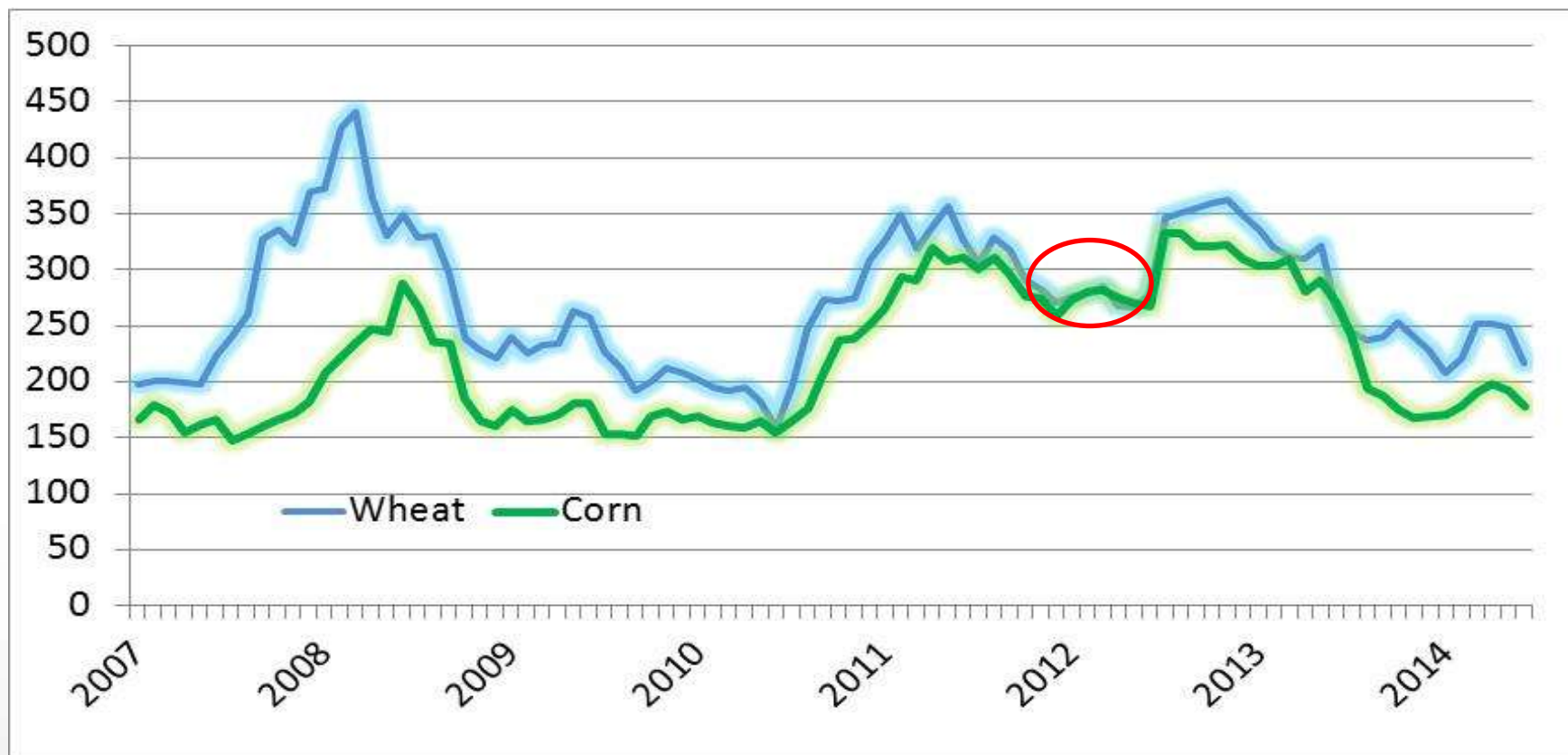
Russian wheat and corn market (USD/t)



Last 7 years corn was more expensive than wheat half of the time (up to 145 USD/t)

Source: IKAR

US wheat and corn markets (USD/t)



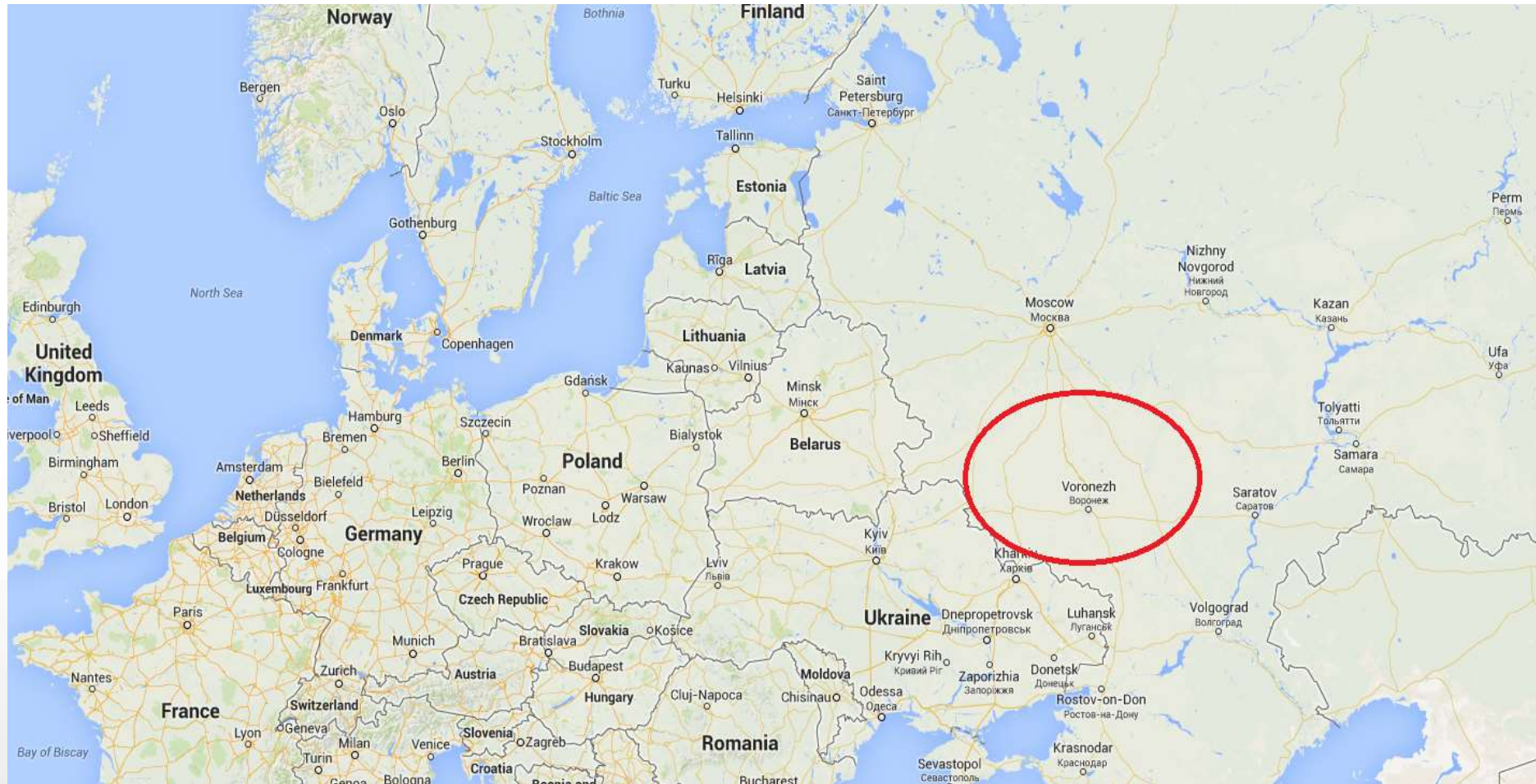
Last 7 years corn was more expensive than wheat only in 4 months (up to 8 USD/t)

Source: IKAR

Agenda

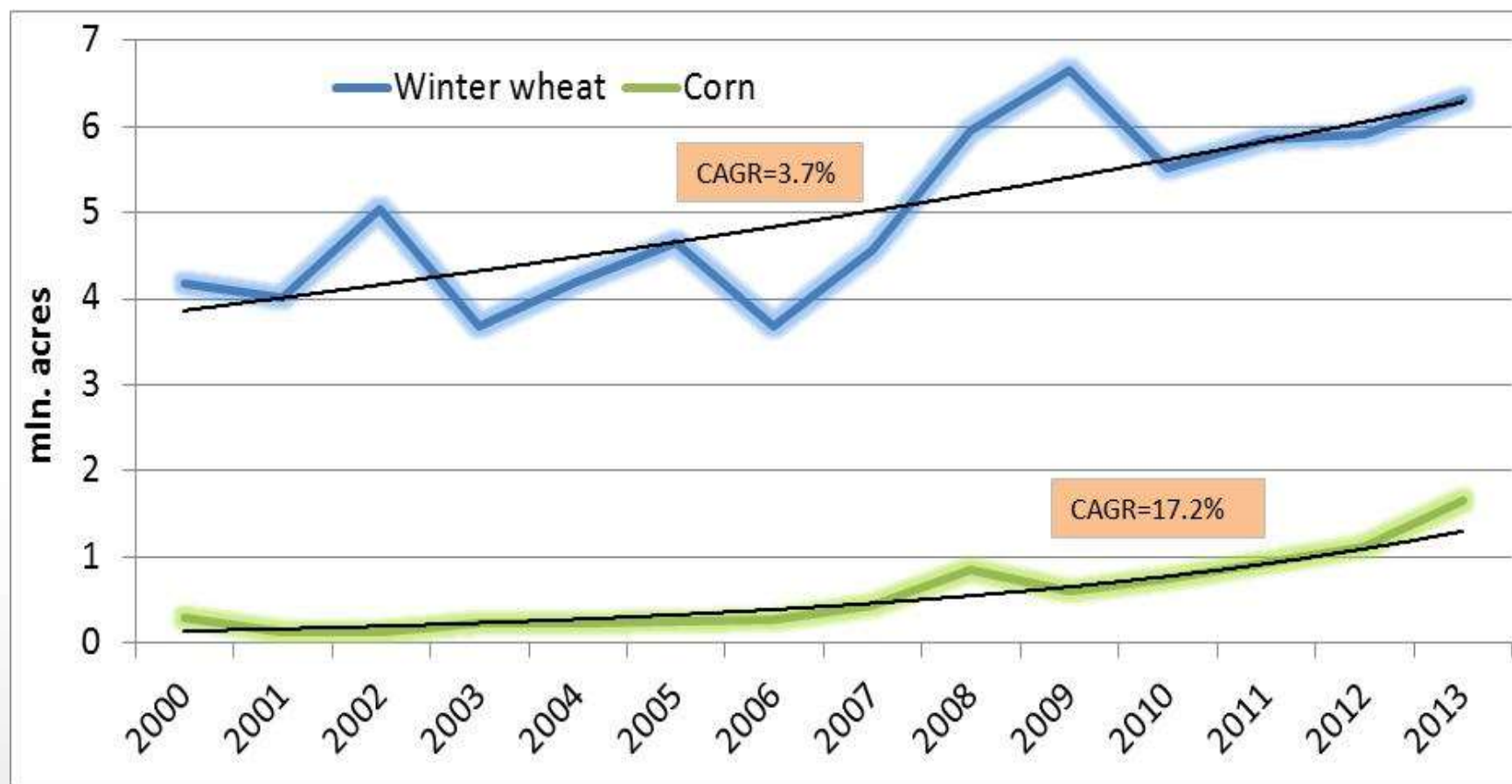
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Central Black Soil Region (CBSR) – the most dynamic Russian region in corn



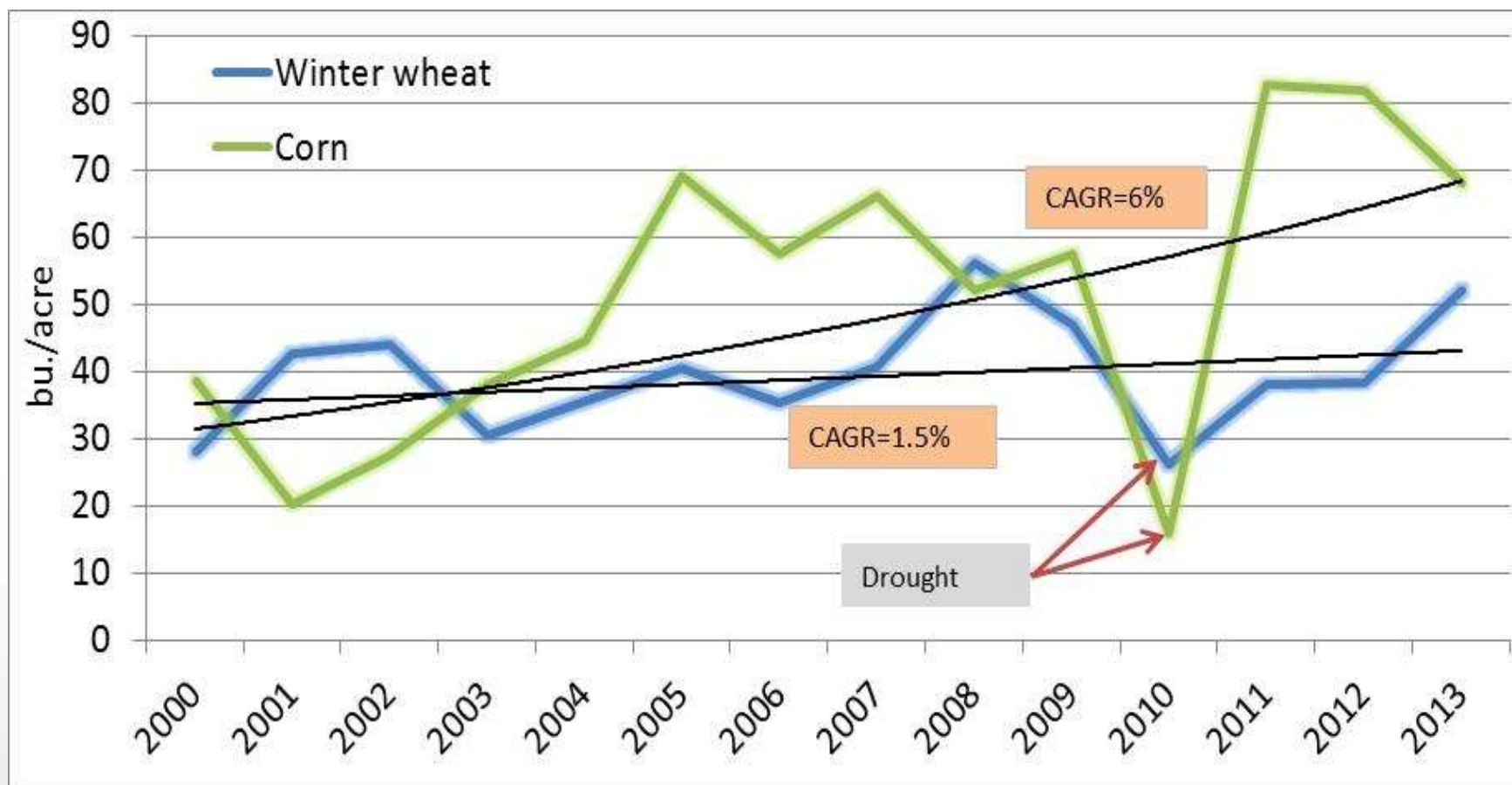
Source of the map: [google.com/maps](https://www.google.com/maps)

Evolution of corn and wheat acreage in CBSR



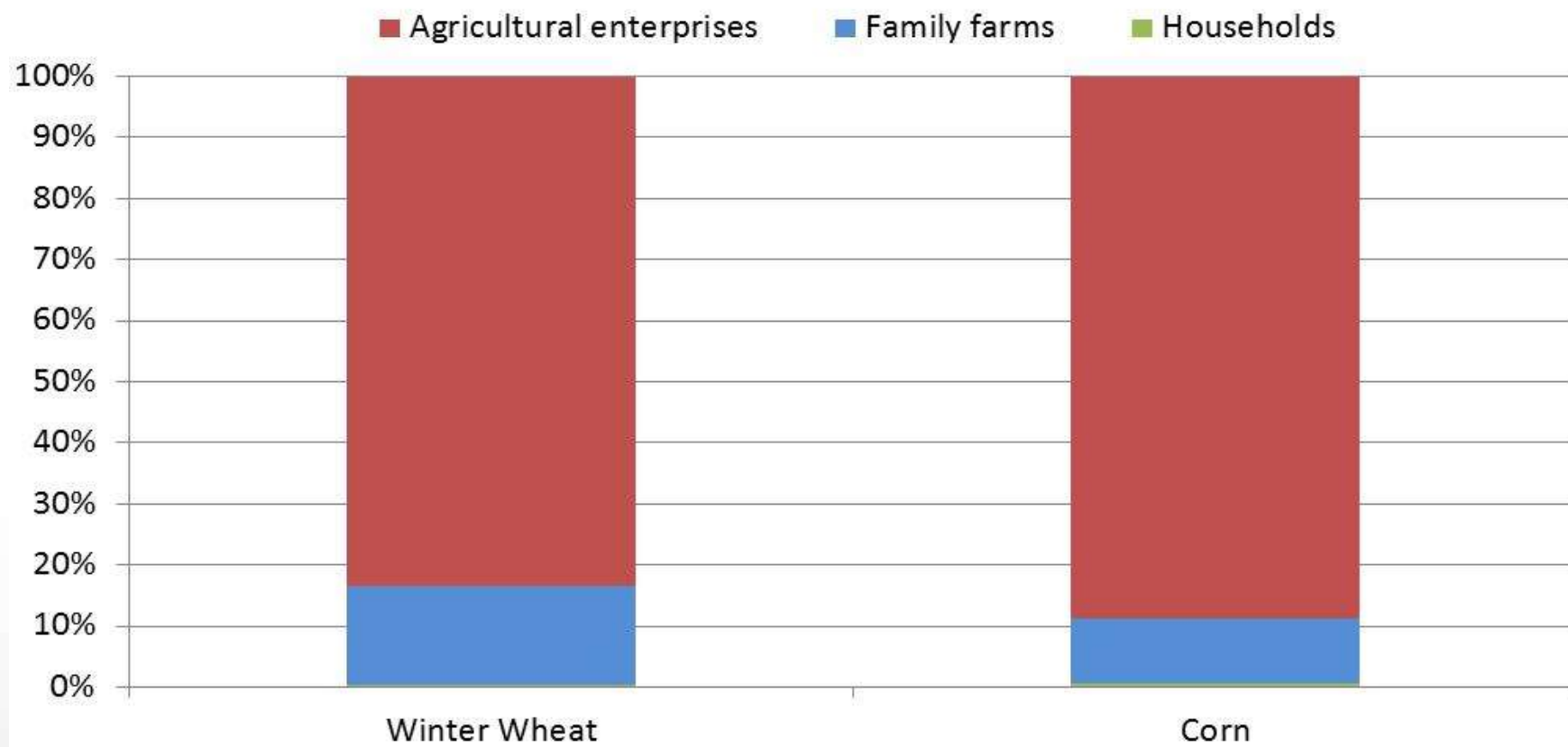
Source: <http://www.fedstat.ru/indicator/data.do>

Yield evolution of corn and wheat in CBSR



Source: <http://www.fedstat.ru/indicator/data.do>

Who is producing corn and wheat in CBSR? (2013)



Corn is a „demanding“ crop - more popular for relatively well positioned enterprises?

Source: <http://www.fedstat.ru/indicator/data.do>

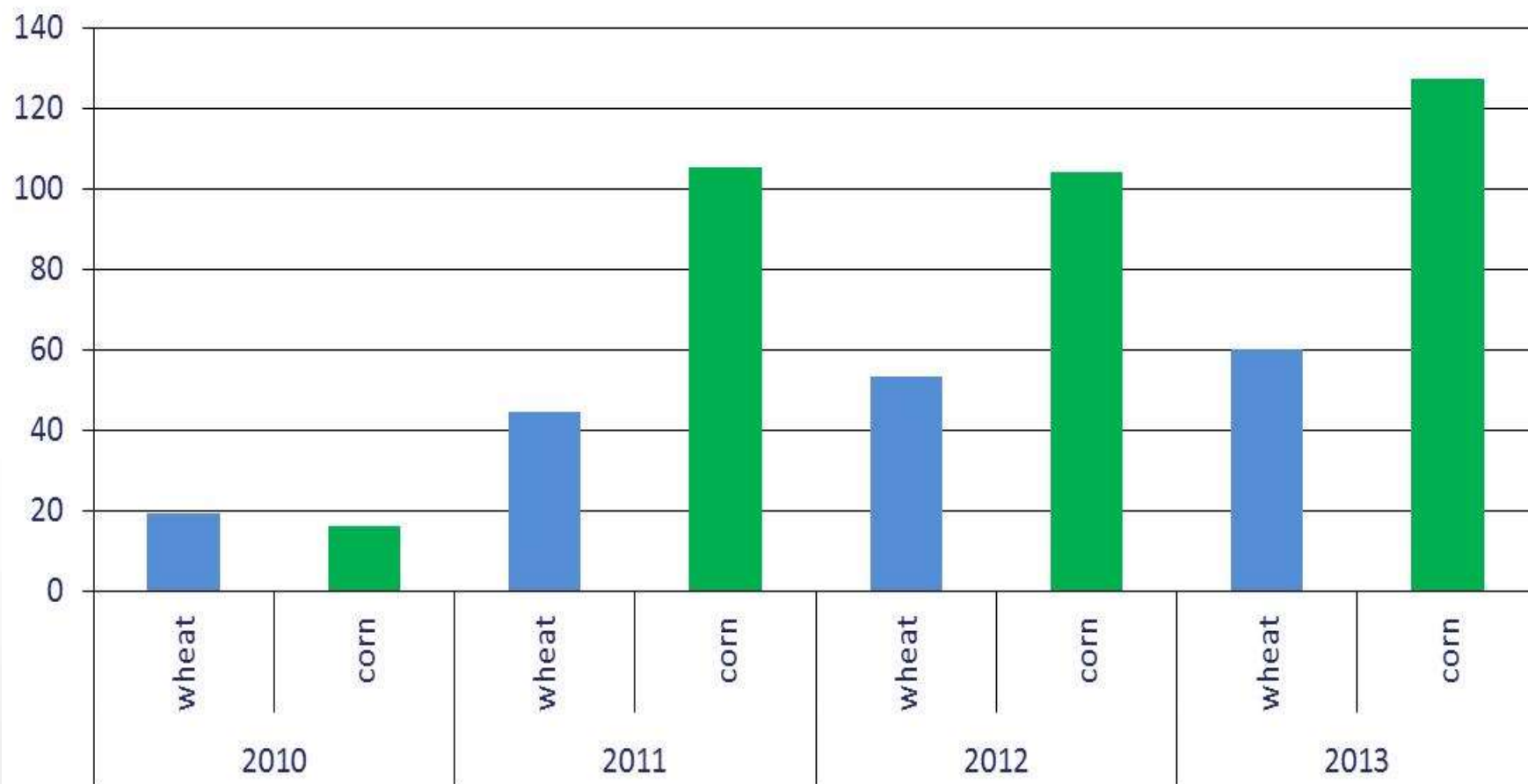
Conclusions

1. **Corn acreage is growing rather fast**
2. **Corn yield growth exceeds wheat yield by a factor of 4**
3. **Ag enterprises tend to be more interested in corn than family farms**

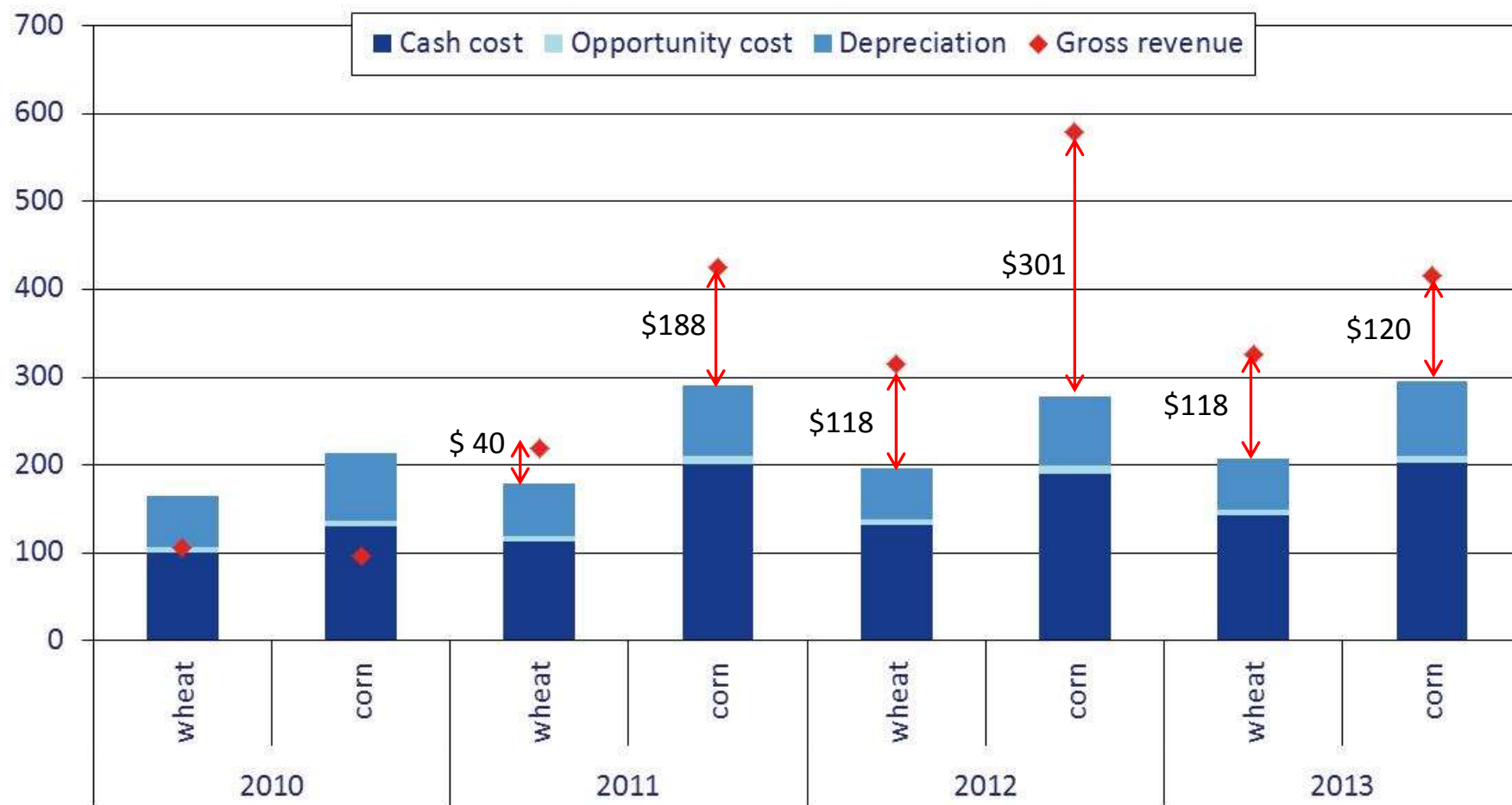
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Yield level in RU20000BS (bu./acre)

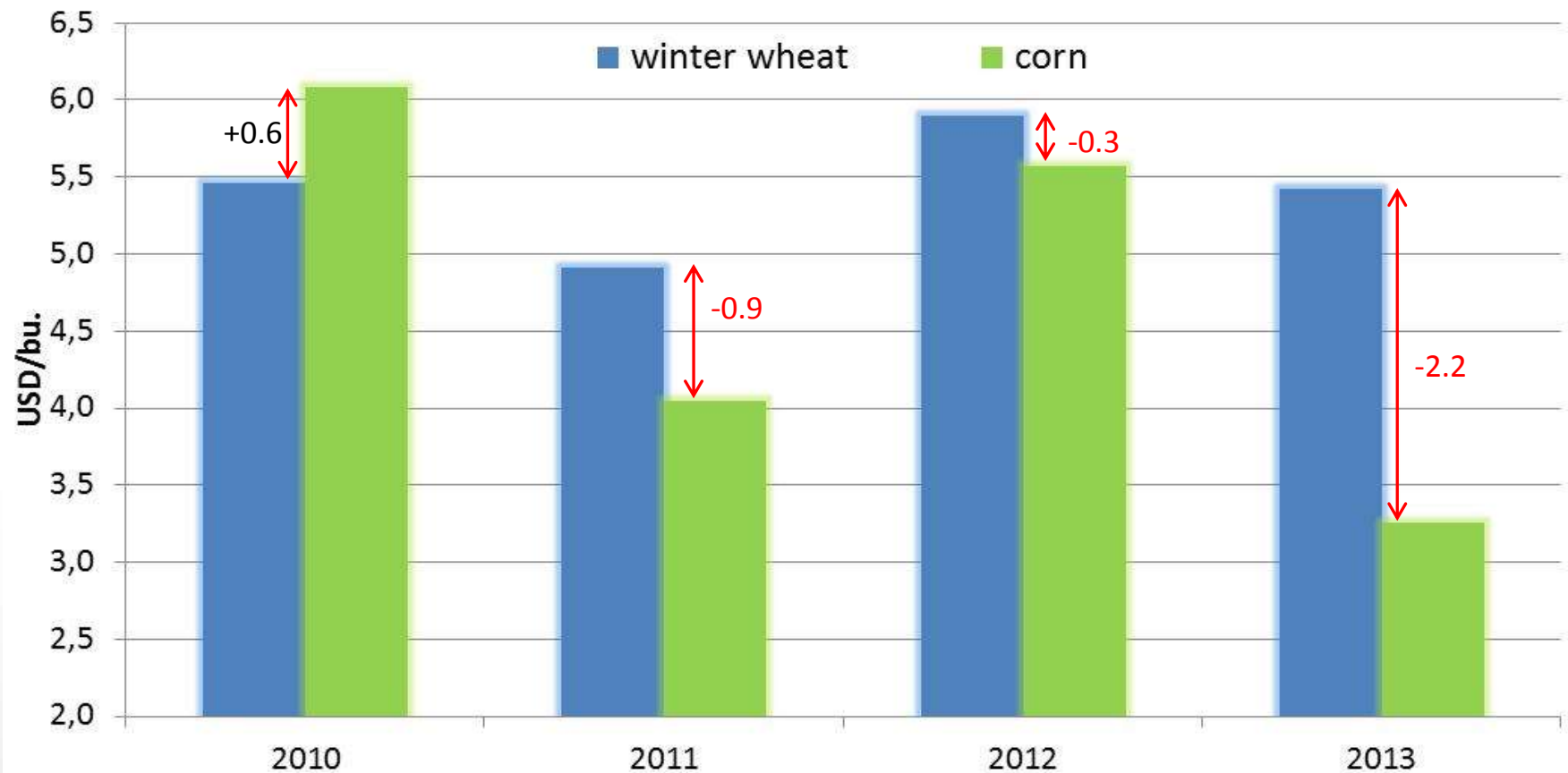


Total cost and gross revenue in RU20000BS (USD/ acre)



In normal years corn is more profitable

Ex-farm prices in RU20000BS

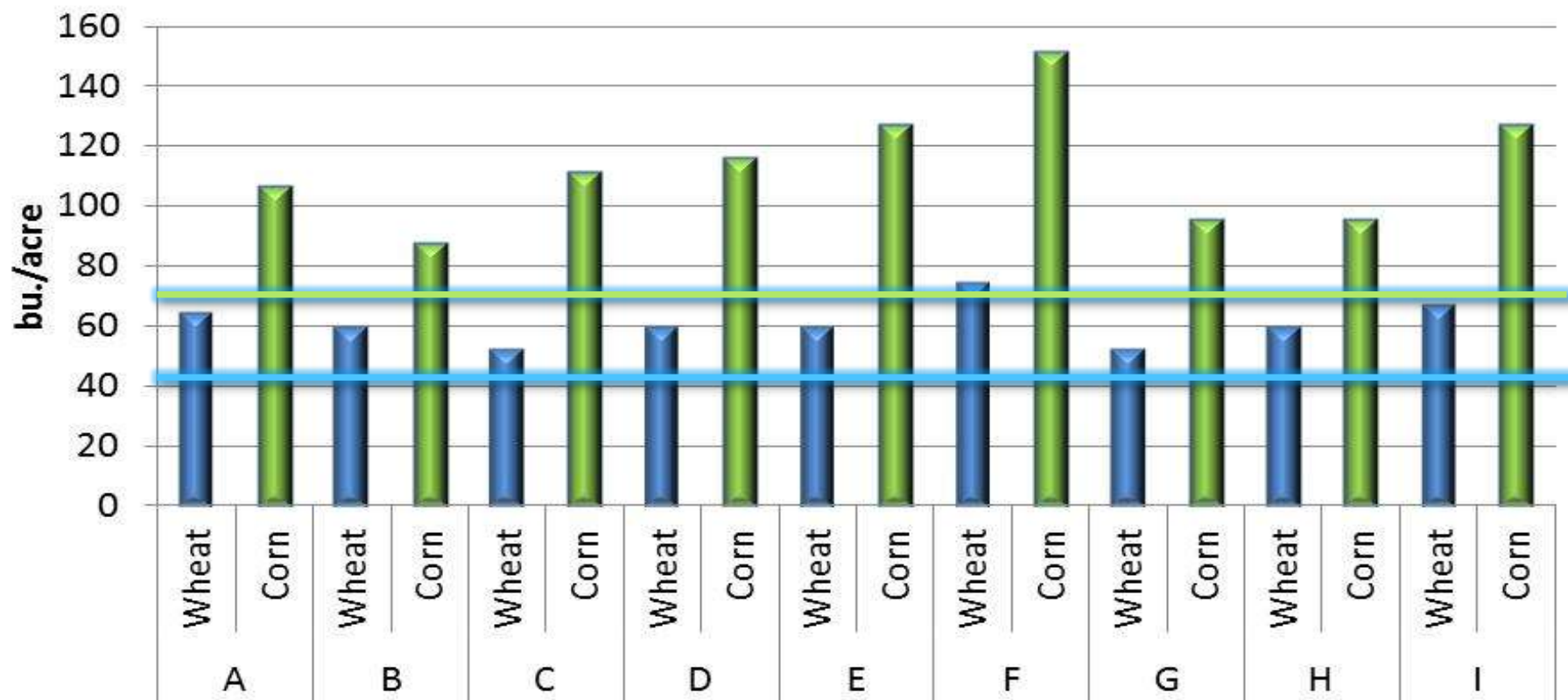


Almost equal profit between wheat and corn with a large drop in corn price in 2013

Agenda

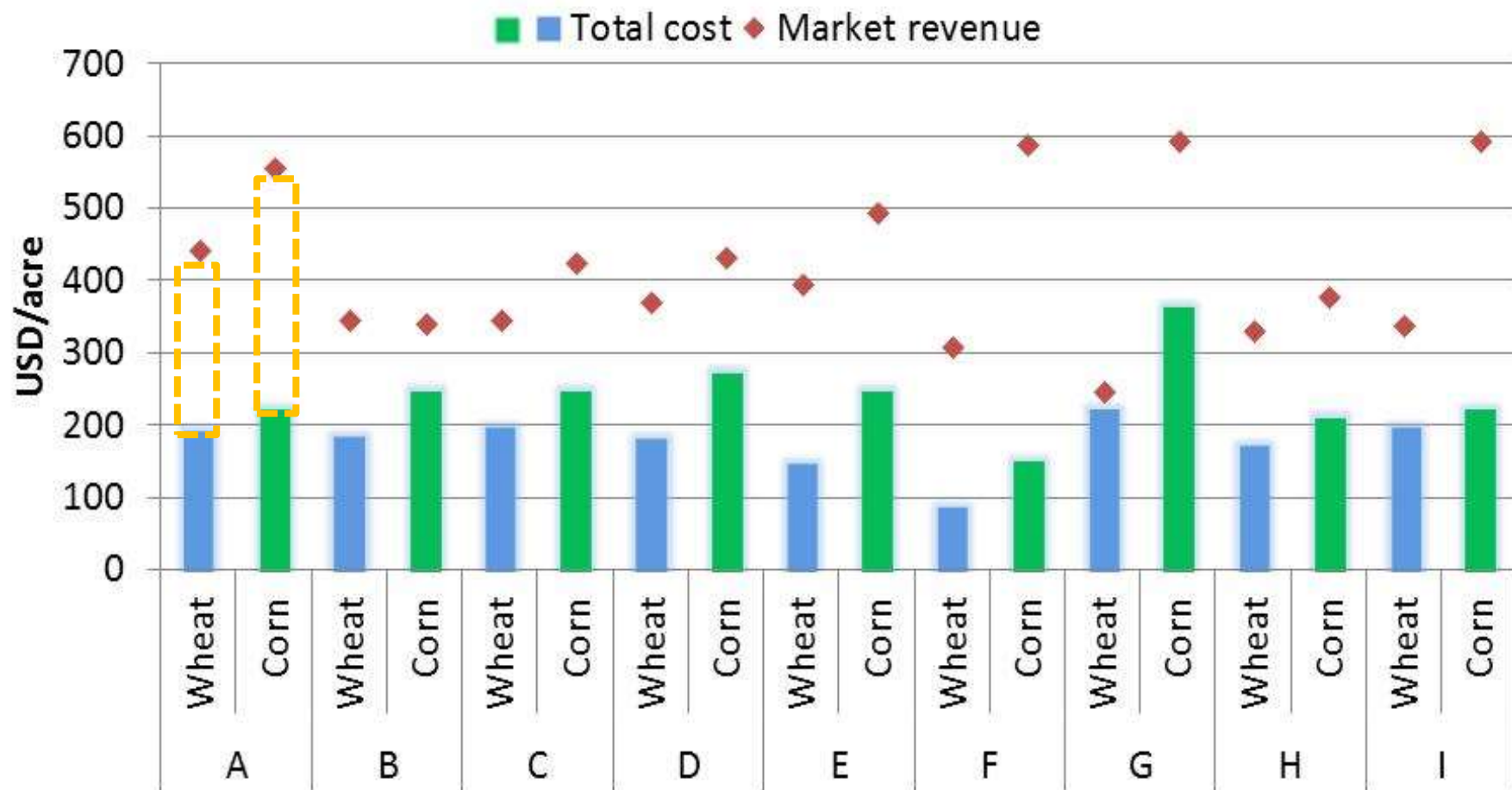
1. Market conditions in Russia
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Farm survey (CBSR): wheat and corn yields (Ø 2011-2013)

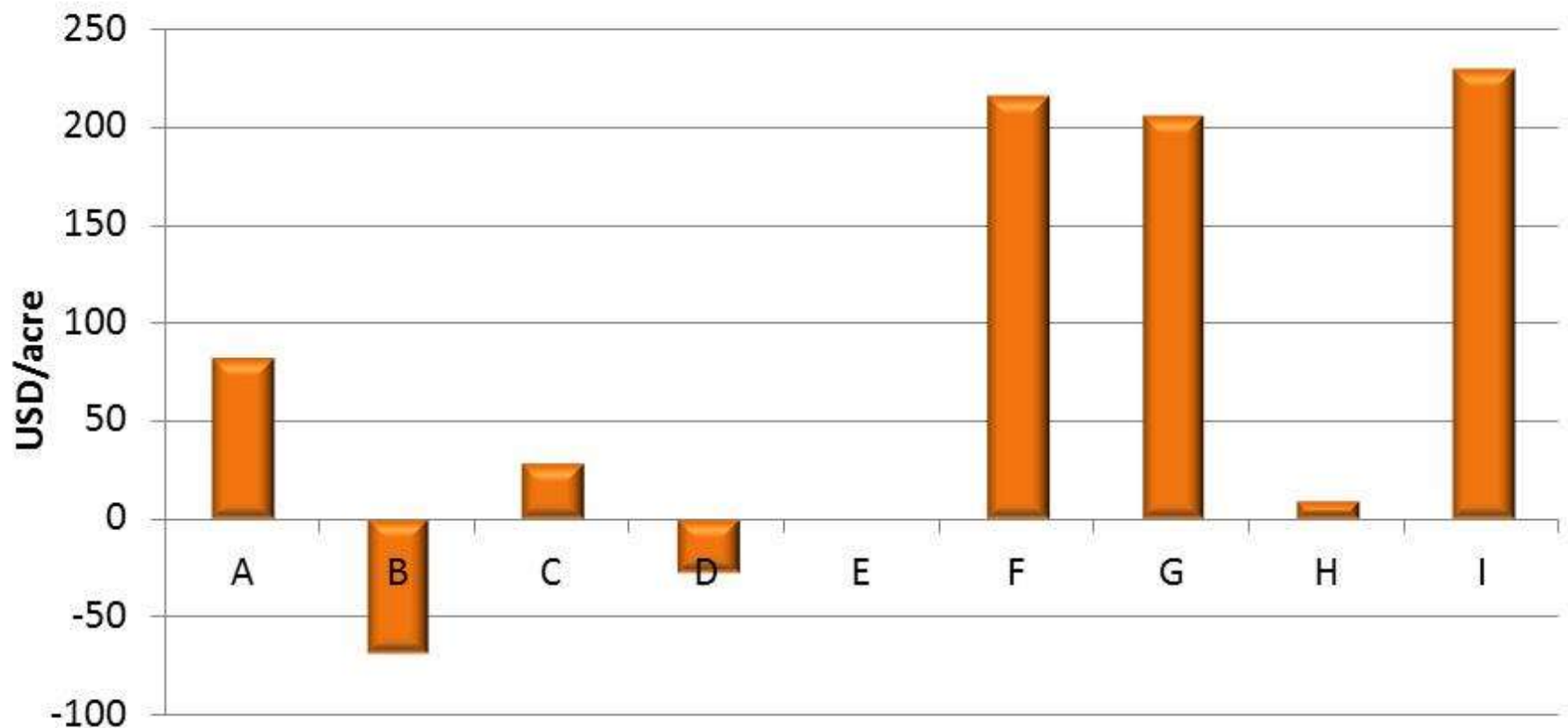


1. Corn yields almost twice as high as in wheat
2. Official statistics much lower than survey data

Farm survey (CBSR): Revenue and cost (ø 2011-2013)



Profit difference (corn - wheat)

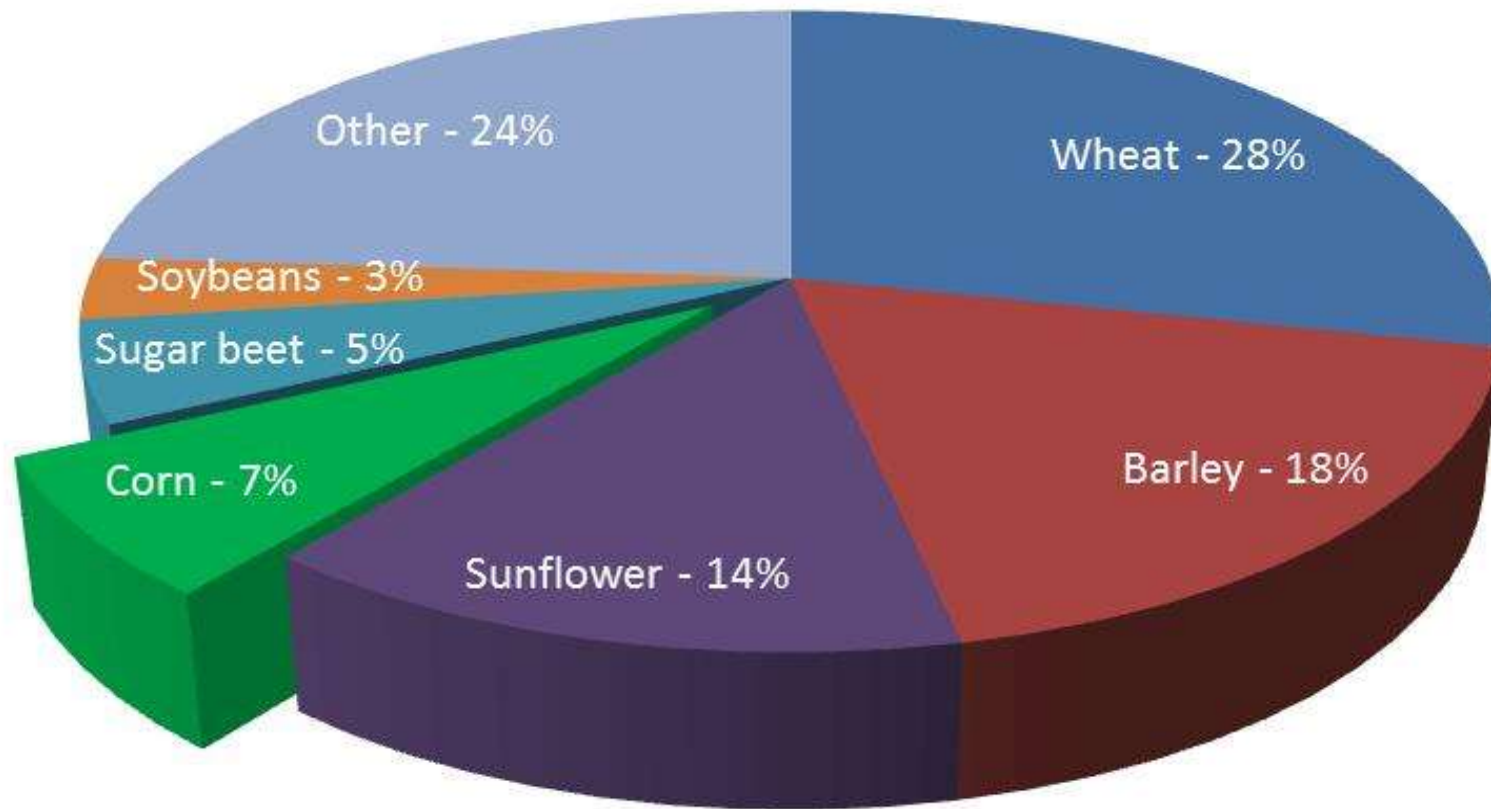


The data indicate economic advantage of corn over wheat

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A lot of room for growth in Russian corn - Crop shares in CBSR (2013)



Source: <http://www.fedstat.ru/indicator/data.do>

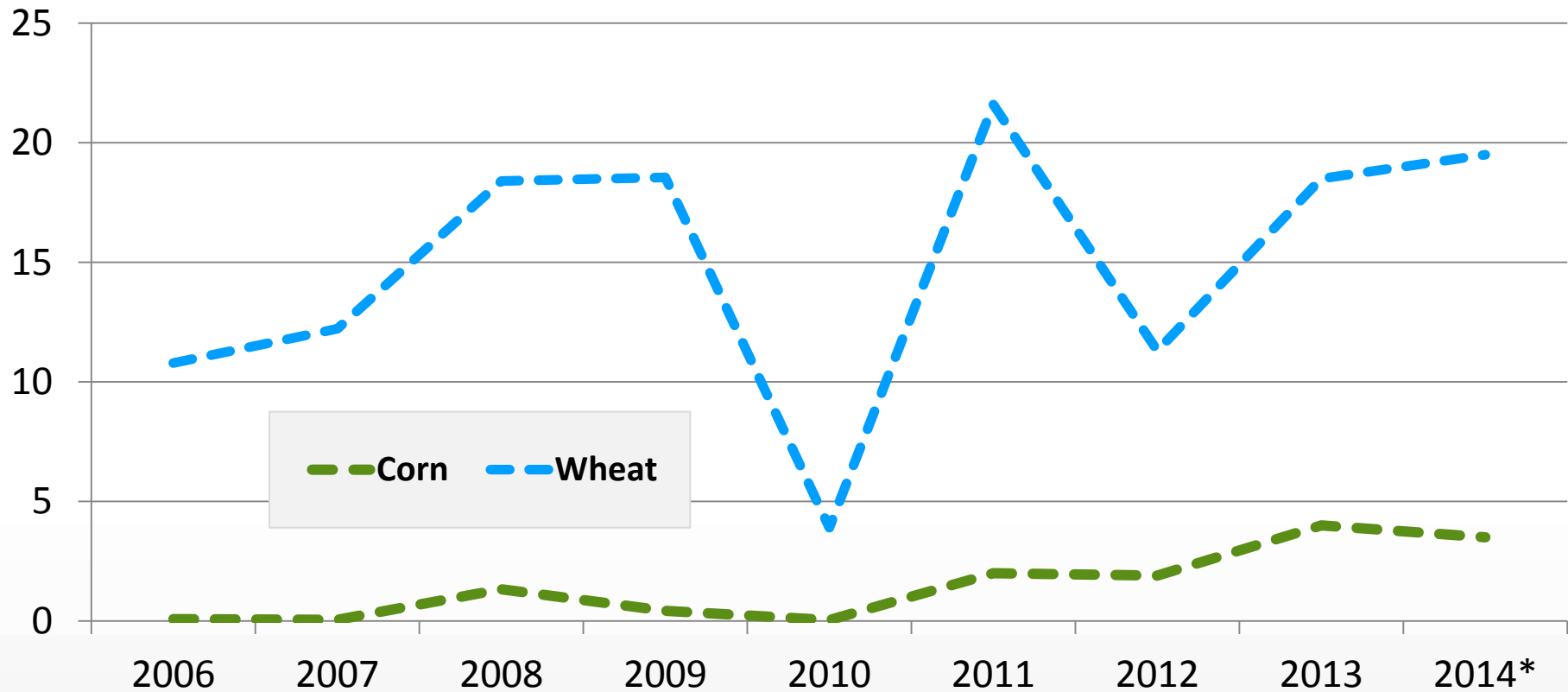
Assuming growth rates in corn acreage and yield continue for 3 years

By 2017 corn acreage would increase to 2.2 mln acres in CBSR.

⇒ Double annual corn output with additional 2.6 mln t (102 mln bu.)



Russian wheat and corn exports (in mln t)



* - projection

Russia has the infrastructure capacity for ag commodity exports

Source: Foreign Agricultural Service, USDA Estimates

Conclusions

- (1) Russian market prices are rather favorable for corn compared to wheat**
- (2) In general the data indicate clear economic advantage of corn over wheat**
- (3) Yield growth differences will further strengthen corn profitability**
- (4) This will speed up farmers willingness to switch to corn**
- (5) Doubling exports within the next 3-5 years is a realistic scenario**

Thank you for your interest in *agri benchmark*



Sergey Chetvertakov

Member of *agri benchmark* Cash Crop team

Thünen Institute of Farm Economics
Bundesallee 50, 38116 Braunschweig
Germany

phone	+49 - 531-596-5110
mobile	+49 - 176-87630643
e-mail	sergey.chetvertakov@ti.bund.de
internet	www.agribenchmark.org www.ti.bund.de