



FAO/MoA/WFP

CROP AND FOOD SECURITY ASSESSMENT REPORT

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Methodology

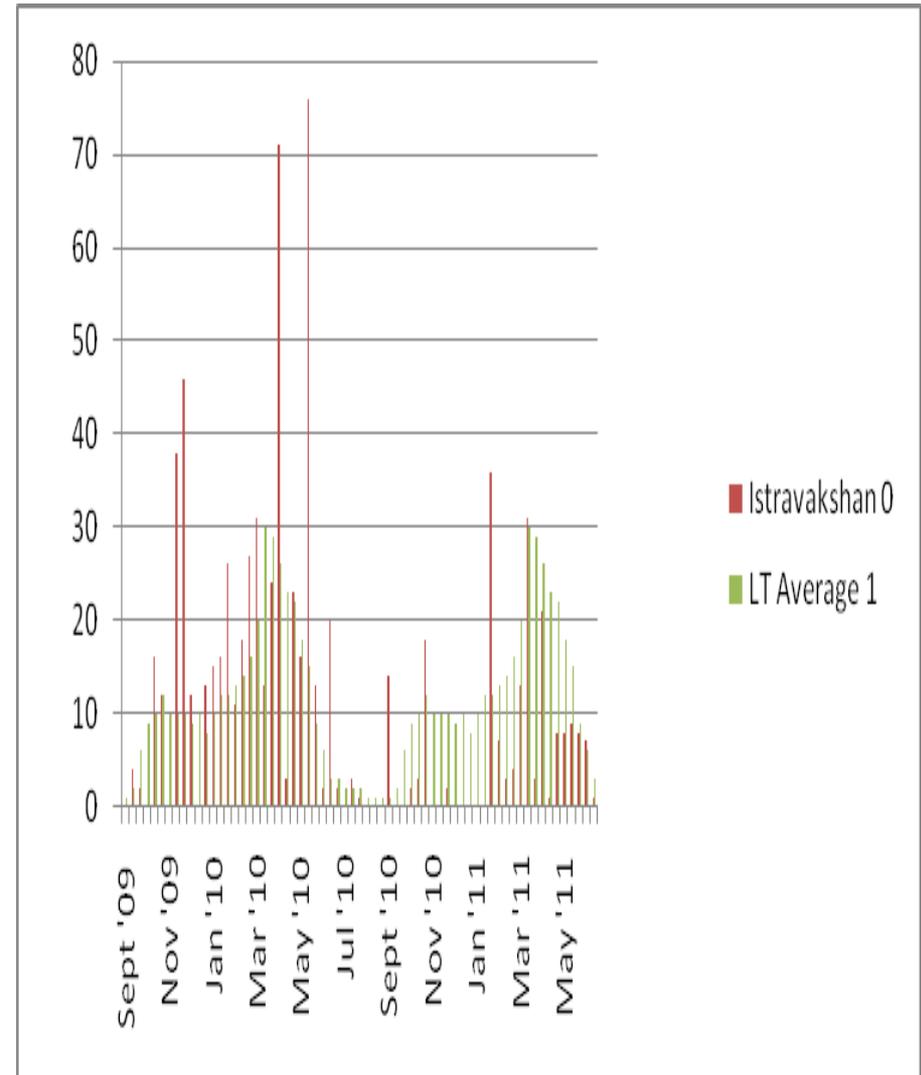
- Food and Agriculture Organization of the UN and Ministry of Agriculture of the Republic of Tajikistan, from July until August 2011, conducted mission on Crop and Food Security Assessment
- The guidelines of FAO/WFP on assessment of crop and food security
- Five field missions on cereals and pulses and four missions on potato
- 356 separate interviews/situational surveys with farmers, chairmen of local hukumats, district agricultural departments, farms, NGOs and households.
- 750 samples of cereals and pulses and 200 potato samples



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Rainfall

- During 2009/10 season the level of rainfall was significantly higher
- The rainfall was below average during the season 2010/11
- In 2010/11, there were no rainfall during September, October, November and December
- In January 2010/11, rainfall was below average in all regions
- In 2010/11, spring rainfall finished much earlier than in 2009/10





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Seed Supply

- Annual requirement of cereal seed is 85,000 tons for sowing area 425,000 ha.
- Certified seeds in 2005- 10%, 2009-13%, 2011- 22% or 18, 000 tons wheat seed
- 34,000 ton of quality seeds were available for sale in specialized dehkan farms ranging from 1.5-2.0 Somoni / kg
- 78 % of wheat seed and all barley seed are uncertified



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Other underlying factors

- Lack of irrigation water during vegetation period of seeds especially winter seeds
- Access to mineral and organic fertilizers for farmers
- Access to farm machinery
- Access to credit
- Control of plant diseases and pests



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Area, harvest and production

| Crops | 2009/10 | | | 2010/11 | | |
|--------|-----------|----------------|------------------|-----------|----------------|------------------|
| | Area (ha) | Harvest (t/ha) | Production (ton) | Area (ha) | Harvest (t/ha) | Production (ton) |
| Wheat | 343,571 | 2.46 | 846,557 | 308,012 | 2.20 | 678,674 |
| Barley | 69,160 | 1.69 | 117,150 | 69,861 | 1.19 | 83,378 |
| Maize | 10,998 | 3.50 | 38,961 | 12,796 | 4.00 | 50,630 |
| Rice | 11,498 | 3.50 | 50,728 | 13,231 | 3.60 | 47,457 |



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| | | | | | | |
|------------------|--------|------|---------|--------|------|---------|
| Pulses | 13,520 | 1.3 | 18,050 | 16,472 | 1.2 | 19,947 |
| Potato | 29,784 | 22.7 | 676,614 | 36,507 | 23.3 | 852,014 |
| Oil crops | 20,251 | 0.7 | 14,394 | 23,518 | 0.8 | 19,750 |

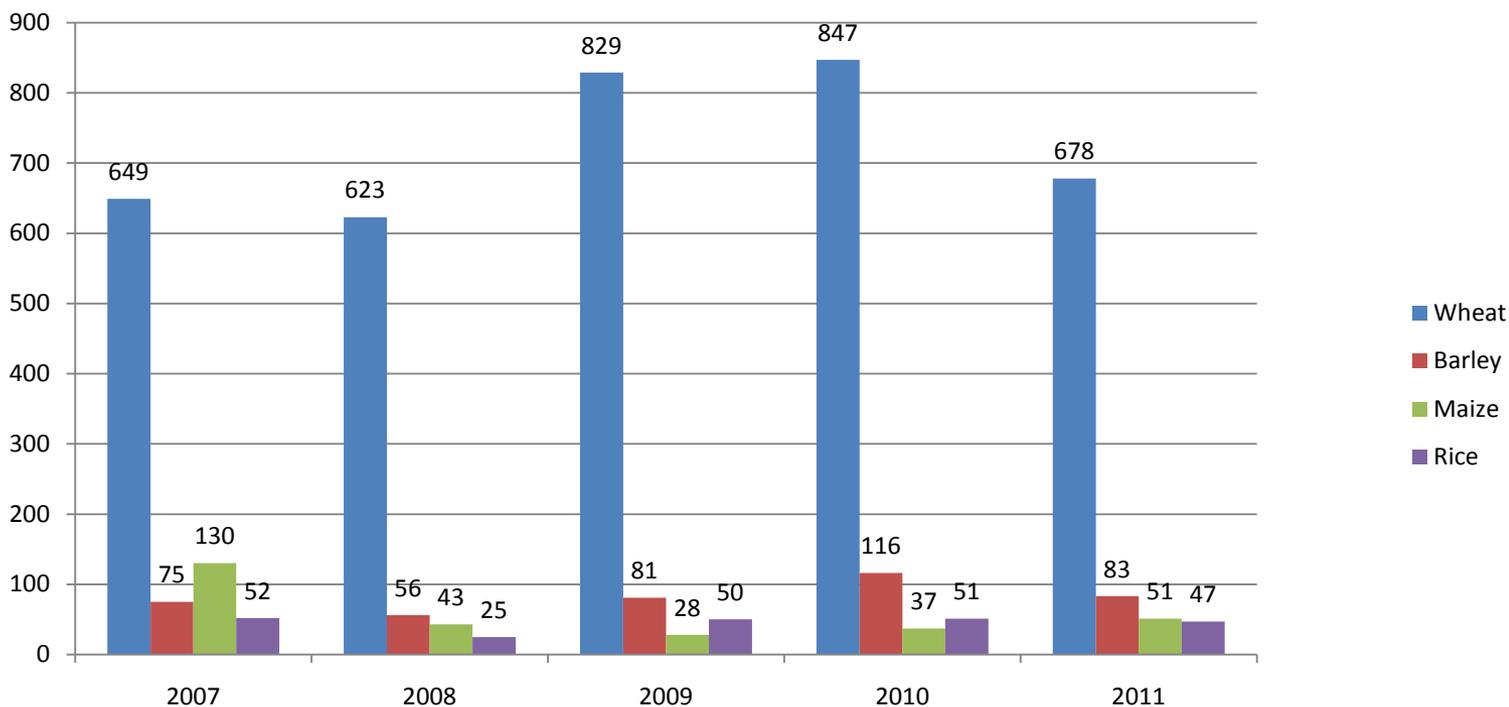


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Production of cereals by year





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Livestock and animal feed

- Early pasture of livestock from winter to summer pastures
- No cases of infectious diseases due to availability of vaccines
- 2.03 million Livestock Units require 1.52 million ton of dry matter for consumption during 100 days of winter.
- Laying hens will consume around 150 grams cereals per day, that is 54 kg/year; at an estimated 2 million birds, the national laying flock will require further 108,000 tons of cereal based compound feed.



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Requirements for animal feed

- 57,000 hectares of irrigable land alfalfa plots 250,000 ton and grass leys (hay at 5 t/ha);
- 445,000 hectares of cereal straw and 27,000 ha forage crops will provide another 750,000 tons of tonnes DM;
- 800,000 tons of wheat 120,000 tons of bran;
- Maize 72,000 tons, barley 69 tons, wheat-feed standard at 136,000 tons cereals.



Cereal balance for 2011/12

| | Wheat | Rice | Maize | Barley | Total |
|---------------------|--------------|-----------|------------|-----------|--------------|
| AVAILABILITY | 719 | 45 | 98 | 83 | 945 |
| Stock | 40 | 0 | 0 | 0 | 40 |
| Production | 679 | 45 | 98 | 83 | 905 |
| USE | 1,679 | 45 | 128 | 92 | 1,944 |
| FOOD | 1,390 | 41 | 8 | 8 | 1,447 |
| FEED | 136 | 0 | 108 | 67 | 311 |
| Other | 153 | 4 | 12 | 17 | 186 |
| IMPORT | 960 | 0 | 30 | 9 | 999 |



Import of wheat

- Total grain deficit is approximately **1 million tons**, from which **960,000 tons** is wheat; plus **30,000 tons** of maize for poultry industry.
- It is expected, that in market year rice will be in balance, eliminating the need for import of approximately 29,000 tons.



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Potato production

- Potato harvest increased to **862,000 tons**, 27 percent more than last year;
- Production of pulses, as estimated, with second harvest, more than doubled up to **39,239 tons**.



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Food Prices

- Increase of price for all commodities, without explicit seasonal variation, are evidences of inflation of more than 10 percent.
- However, between June and August prices for wheat decreased for 15-20 percent, but remained 30 percents more compare to with August 2010.
- Fruits and vegetables, and the price of potatos significantly reduced from June, and it is expected that the price of rice also will drop due to national production



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Remittances

With record remittances, as reported by the International Monetary Fund and Government sources, the situation in rural areas would be much better.



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Recommendations

- Need to monitor the food security situation in the country, especially in the current context of rising food and fuel prices and natural disaster shocks.
- Support seed sector.
- Strengthen the activity for adaptation of cropping systems to the climate change.

THANK YOU VERY MUCH
FOR
YOUR ATTENTION!!!!!!