

The background of the slide is a photograph of a vast field of golden wheat. The wheat stalks are tall and dense, filling the lower two-thirds of the frame. In the distance, a thin line of trees and possibly some buildings are visible on the horizon under a clear, bright blue sky. The overall scene is bright and sunny, suggesting a clear day in late summer or early autumn.

DEVELOPMENT OF FLOUR ENRICHMENT IN KAZAKHSTAN

***Union of grain-processors
in Kazakhstan, Almaty
September 6, 2016***

PROGRAM DEVELOPMENT OF FLOUR ENRICHMENT IN RK

Note. By the time of the Soviet Union breakup, there were five flouring-mills that enriched flour in Kazakhstan




2007 – completion of ADB project. 17 flouring-mills participate in the project. By the time of the project completion, 5 other mills have been included into the program. The same year, the standard for mandatory enrichment of flour has been reduced.

- **2008** –maximum three enterprises perform flour enrichment. At the same time, almost all introduced mills are equipped with dosers for flour enrichment.
- **2009** – introduction of standard for mandatory flour enrichment, the beginning of GAIN Project. About 50 mills were ready to introduce enrichment process.
- **2011** – there is standard for mandatory flour enrichment, but it is not obligatory to follow it. However, the program is developing, and new enterprises are included into it. In 2011 – 10 enterprises, among which there are three new ones, are joined to the program.
- **2016** – development of flour enrichment production. Readiness to introduce enrichment process at about 80% of mills.

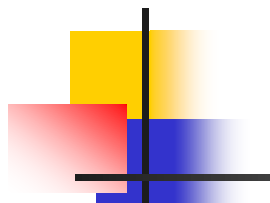
LEGAL BASIS

- **RK Law No 193-IV ZRK of the Code of the Republic of Kazakhstan On People's Health and Health Care System has been put into effect on September 18, 2009. Clause 160 is the standard for mandatory enrichment (top and first grade wheat flour, that is sold on the territory of RK, should be enriched. This statement, to our opinion, is more flexible).**
- **By the Decree of the Government of RK dated January 19, 2008 No 32 the Rules of Enrichment (Fortification) of food products subject to Sanitary and Epidemiological Surveillance were adopted.**
- **Memorandums were signed between the Chairman of the Committee of GosSanEpidemNadzor and the Directors of GosSanEpidemNadzor Committee in the regions, cities of Astana and Almaty on assessment criteria of the first heads of sanitary service of Republic, and inclusion of a number of enterprises that produce enriched flour into one of the indicator value;**
- **The order No 70 On Increase of Control Over Fortification of Wheat Flour of Top and First Grade of GosSanEpidemNadzor order Chairman Committee of MoH RK has been issued on April, 6, 2011, that administers the introduction of annual (twice per year) monitoring over import, production and realization of wheat flour.**

LEGAL BASIS (2)

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- Pursuant to the Law of the Republic of Kazakhstan On Private Entrepreneurship, based on the Joint Order of MoH RK dated 31/1/2011 No. 59 and MEDT RK dated 2/2/2011 No 45, the forms of check lists are specified, in which the issue of monitoring are including for checking the compliance with the standards for mandatory flour fortification by bakeries and milling objects.
 - In compliance with the Order No 70 dated on 6/4/2011 now the territory divisions of GosSanEpidemNadzororder Committee of MoH RK are conducting workshops for flour and bread producers (millers, bakers), when enrichment issues and legal basis aspects on prevention of iron deficiency are covered. Workshops are organized in South-Kazakhstan, Pavlograd, North-Kazakhstan and Amola regions. 50 participants on an average visit each workshop.
 - Under the legal basis improvement, the Ministry of Health of RK planned to amend the Decree of the Government of RK dated January 19, 2008 No 32, that foreseen concrete terms of transference of milling enterprises of different capacity into enrichment process of wheat flour (firstly, at large milling one, then at medium-sized and small ones).

REGULATORY SYSTEM

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- **ST RK 1482-2005 Wheat Flour. General Technical Specifications** has been developed and put into effect in 2005. The distinctive feature of this standard is that the term 'fortified or enriched flour' has been added to conceptual framework of this standard.
 - **ST RK 1741 – 2008 Wheat Fortified (Enriched) Flour. General technical specification** has been developed and put into effect in 2008. The standard was put into effect instead of **ST LLP 40261271 – 02 – 2006 Wheat Bakery, Enriched with Vitamin-Mineral Premix KAP Complex No 1 'Flour'**.
 - **Standard of organization on pre-compound on basis of premix KAP Complex No 1** has been developed and put into effect; **ST ALE 39199199-01-2007 Preliminary compound for flour fortification.** This standard for pre-compound should be applied at medium-sized and small mills of Kazakhstan, that master fortification of flour and on mills with Turkish dosers, that work unstable on pure premix.

REGULATORY SYSTEM (2)



- **ST RK Bread Made from Fortified Flour is developed. Standard is approved by the Order on the Committee of Technical Regulation and Metrology of the Ministry of Industry and New Technologies RK No 392-OD dated 2/8/2011 and it is put into effect on 1/7/2012. The developed ST RK will replace the previously developed Standard of Organization of ST LLP 40261271-07-2006 Bread and Bakery, Enriched with Vitamin-Mineral Premix KAP Complex No 1.**
- **ST RK Project is developed for flour enrichment (fortification). The project is under approval of the organizations concerned. The developed standard will replace the Standard of ST LLP 40261271-01-2006 Organization Vitamin-Mineral Premix KAP Complex No 1.**

THUS, DURING THE LAST TIME, THE RANGE OF LEGAL AND REGULATORY DOCUMENTS HAVE BEEN DEVELOPED IN THE COUNTRY, WHICH ENFORCEMENT PASSES THE PROGRAM OF FLOUR ENRICHMENT IN THE REPUBLIC BEYOND THE POINT OF NO RETURN

DEVELOPMENT AND GARMONIZATION OF LEGAL BASIS

- **Public Program of Health System Development in the Republic of Kazakhstan 'Densaulyk' 2016 - 2019,**

Point 22:



To prepare propositions on flour fortification	Does not require financial expenses	Propositions for RK government	3 rd quarter 2016	MHSD, MNE, CIMS, MIR, SPE (as agreed)
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- **PARTICIPATION IN NATIONAL COORDINATION CENTER WORK ON HEALTH PROTECTION IN THE GOVERNMENT OF THE REPUBLIC OF KAZAKSTAN, UNDER THE CHAIRMANSHIP OF THE PRIME-MINISTER OF THE REPUBLIC KAZAKSTAN, NAZARBAEVA, D.N.:**

From the Minutes of the Meeting dated May 23, the same year:

To present propositions on nutrition improvement for population and enrichment of food products with vitamins and microelements during the next meeting of the National Coordination Council on Health Protection in the Government of the Republic of Kazakhstan.

DEVELOPMENT AND HARMONIZATION OF LEGAL BASIS

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- **OVERVIEW OF THE STANDARDS OF THE REPUBLIC OF KAZAKSTAN:**
 - **ST RK 482-2005 Wheat Flour. General Technical Specifications**
 - **ST RK 1741 – 2008 Wheat Bakery Fortified (Enriched) Flour. General Technical Specifications”.**
 - **Standard of Organization on Pre-compound on the basis of Premix KAP Complex No 1 - ST LLP 39199199-01-2007 Preliminary Compound for Flour Fortification” – THIS DOCUMENT NEEDS TO BE REVISED IN ST RK.**
 - **ST RK for Premix on Enrichment (Fortification) of Flour – PK DEVELOPMENT OF NEW STANDARD RK IS NEEDED**
 - **ST RK DEVELOPMENT INTERNAL AND EXTERNAL QUALITY CONTROL OF FLOUR ENRICHMENT WITH IRON (IN COMPOSITION OF ENRICHED COMPOUNDS) GENERAL TECHNICAL SPECIFICATIONS - KAP**
 - **DEVELOPMENT OF HARMONIZED STANDARDS FOR FORTIFICATION OF FOOD PRODUCTS**
 - **Technical meeting of the Regional Expert Group on harmonization of fortification of food products (March 12-15, 2016)**

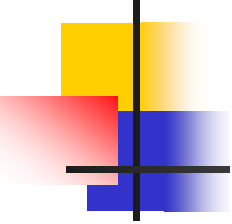
HARMONIZATION OF THE STANDARDS FOR FORTIFICATION

SUMMARY OF TECHNICAL MEETING

(for the Standard for Flour Fortification With Low Outcome):

- **TO CREATE COUNTRY WORKING GROUPS FOR DEVELOPMENT OF HARMONIZED STANDARDS FOR ENRICHED FLOUR**
- **Countries of the region – AFGHANISTAN, KAZAKSTAN, KYRGYZSTAN, PAKISTAN, TADJIKISTAN, UZBEKISTAN).**
- **IRON TYPE WITHIN STANDARD is that electrolytic iron is replaced with NaFeEDTA.**
- **Ironic sulphate is not applied.**
- **Vitamin B12 is included additionally to premix composition.**
- **Application rate is the same for flour of top and first grades – 500 grams for ton.**
- **According to KAP assessment, prime cost of the developed premix is about 6 USD.**

CONCLUSION

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- PROGRAM OF ENRICHMENT BECAME REGIONAL
 - STANDARDS' HARMONIZATION (SINGLE FOR ALL COUNTRIES) WILL CONTRIBUTE TO REGIONAL TRADE DEVELOPMENT
 - DEVELOPMENT OF COMMUNICATION PROGRAM WILL INCREASE AWARENESS OF THE PRODUCTS
 - INCLUSION OF ENRICHMENT PROGRAM INTO PUBLIC PROGRAM RK AND NATIONAL COORDINATION COUNCIL ON HEALTH PROTECTION IN THE GOVERNMENT OF RK, STRENGTHENS THE PRESENCE OF STATE PARTIES IN THE PROGRAM
 - GOAL IS TO INCREASE MOTIVATION OF THE MILLERS (COMPENSATION OF COSTS DURING PRODUCTION);

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**THANK YOU
FOR ATTENTION !**

