

# Current quality status on US corn

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Japan Feed Manufacturers Association

Japan Feed Trade Association

# 1.Current quality status on US corn

- J.F.M.A. and J.F.T.A. have been jointly analyzing imported US Corn since Dec., 2009.

The samples were collected from the bins of US No.3 grade corn which were sampled at the first arrival port in Japan.

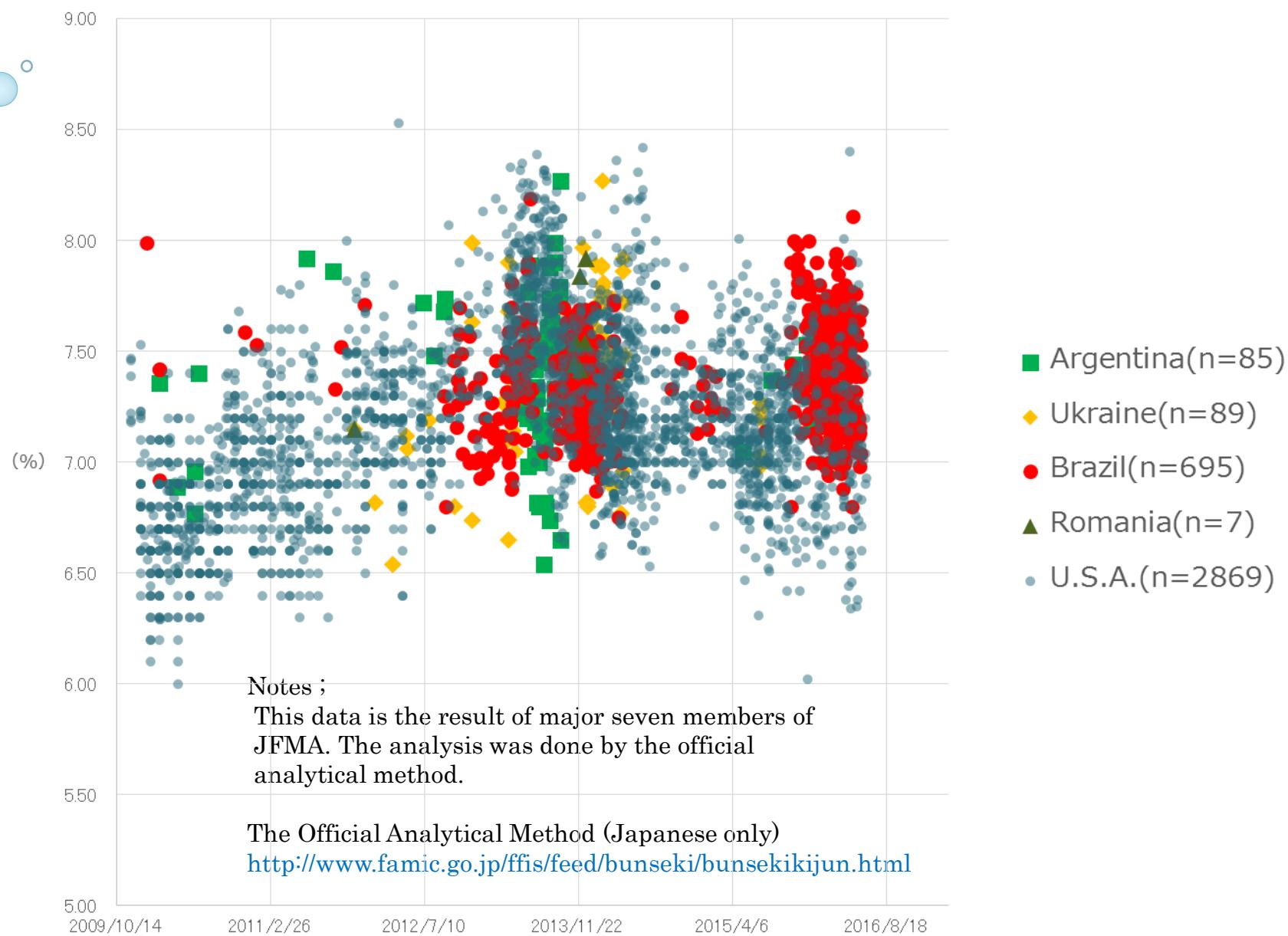
- Our member companies are analyzing imported South America/Black Sea Corn at their own laboratory.

The samples tested were imported from Ukraine/Romania / Argentine /Brazil corn taken from feed mills of J.F.M.A. members.

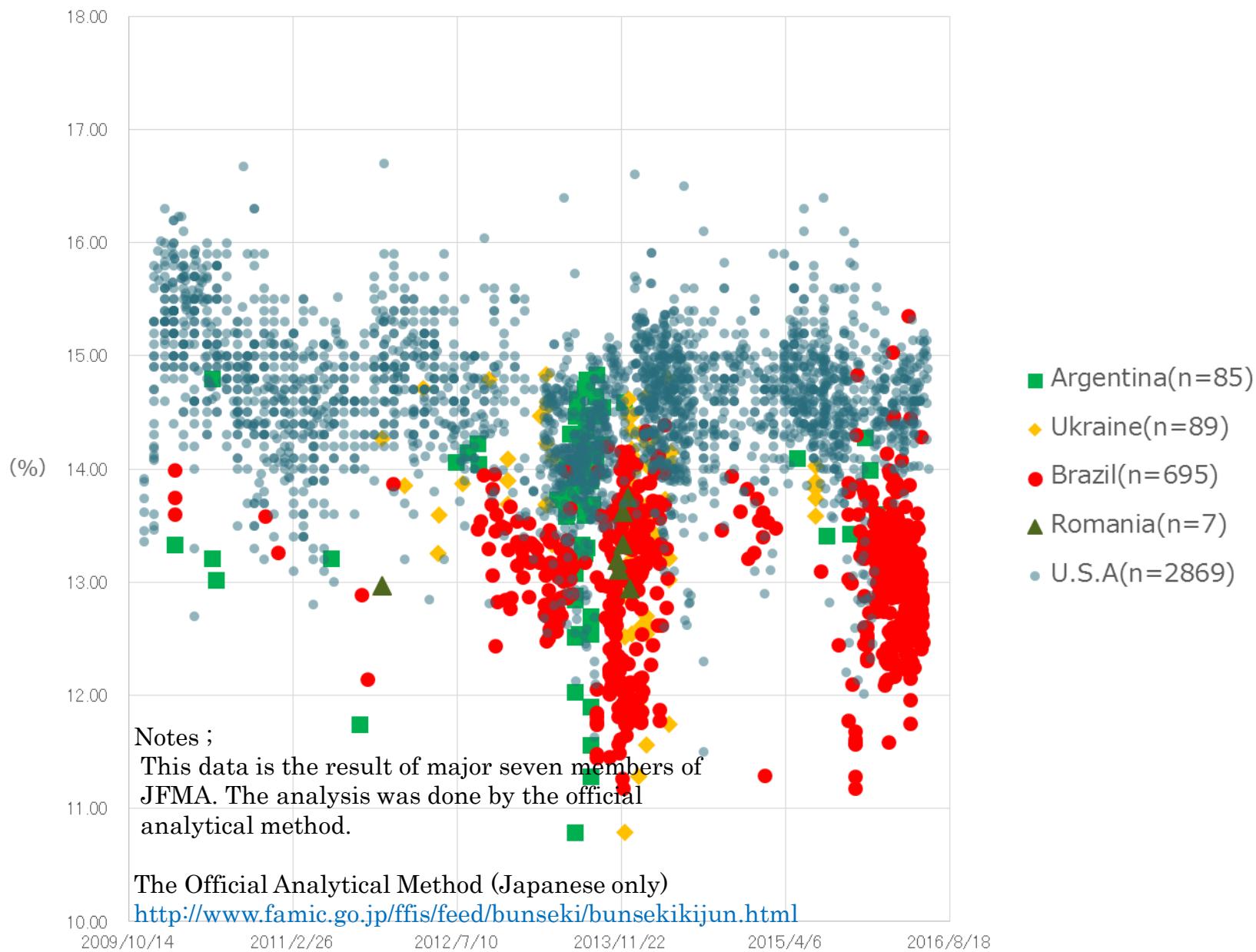
Analysis results:

- a) Quality of US corn has been improved so far consistently.
- b) Moisture content level is increasing.
- c) Crude protein level is decreasing. (Fig.1: Fig.2)

(Fig.1) Trends in analysis of the crude PROTEIN of corn  
(USA / Argentina / Ukraine/Romania / Brazil )



## (Fig.2) Trends in analysis of the MOISTURE of corn (USA / Argentina / Ukraine/Romania / Brazil )



## 2. Why Japanese feed industry concerns the protein level?

- The labelling of components in compound feed is required by the Feed Safety Law.(Note1)
- In case of the component level is below minimum requirements, it is regarded as a violation of the law.
- In case of using the low protein corn, it is necessary to replace with other protein resources, which makes price higher.

Note1: Feed Safety Law=Low Concerning Safety Assurance and Quality Improvement of Feeds (Law No.35 issued April 11, 1953

### 3. On going issues on US Corn

- Trends in analysis of the crude protein level of US Corn is lower than other origins. And trend in analysis of the moisture level of US Corn is higher than other origins.
- High level of BCFM in US Corn which are received in our factory. It is relatively high level compared to Black sea/South American origin.
- The amount of the flour of corn after flaking of US Corn(over 20% of TTL weight) is larger than other origins.
- What is the reason?

## 4. Our proposal

- On top of regular quality information, we would like to receive additional information, such as protein and moisture level and also Mycotoxins (Aflatoxin B1, Vomitoxin)
- We found the difference between the result by FGIS and by our member companies, we would like to develop data useful for comparing the different sampling and analytical methods and explaining the differences that had been noted data collected at loading ports and the first discharging ports.
- To harmonize recognition of the quality of US corn, we would like to propose the vessel sampling and monitoring project like a “2010 Korea-US Corn Quality Assessment Project” with NAEGA and USGC under co-operation with FGIS.

**Thank you for your attention!**