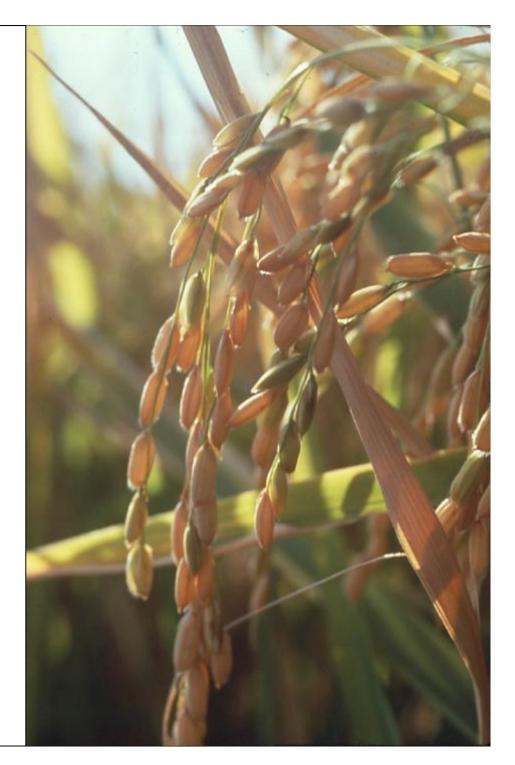


Louisiana Agricultural Technology & Management Conference

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> February 14, 2013 Marksville, LA





USA Rice Responds to Arsenic Challenge



Arsenic in your food

Our findings show a real need for federal standards for this toxin

RGANIC RICE baby cereal, rice breakfast cereals, brown rice, white rice-new tests by CONSUMER REPORTS have found that those and other types of rice products on grocery shelves contain arsenic, many at worrisome levels

Arsenic not only is a potent human carcinogen but also can set up children for other health problems in later life.

Following our January investigation that found arsenic in apple and grape juices, we recently tested more than 200 samples of a host of rice products. They included iconic labels and store brands. organic products and conventional ones; some were aimed at the booming glutenfree market

The results of our tests were even more troubling in some ways than our findings for juice. In virtually every product tested, we found measurable amounts of total arsenic in its two forms, We found significant levels of inorganic arsenic, which is a carcinogen, in almost every product cateless toxic but still of concern. Moreover,

the foods we checked are popular staples, eaten by adults and children alike. Though rice isn't the only dietary source of arsenic-some vegetables, fruits, and

even water can harbor it-the Environmental Protection Agency assumes there is actually no "safe" level of exposure to inorganic arsenic.

No federal limit exists for arsenic in most foods, but the standard for drinking water is 10 parts per billion (ppb), Keep in mind: That level is twice the 5 ppb that the EPA originally proposed and that New Jersey actually established. Using the 5-ppb standard in our study, we found that a single serving of some rices could give an average adult almost one and a half times the inorganic arsenic he or she would get from a whole day's consumption of water, about 1 liter.

We also discovered that some infant rice cereals, which are often a baby's first solid food, had levels of inorganic arsenic at least five times more than has been found in alternatives such as oatmeal, Given our gory, along with organic arsenic, which is findings, we suggest limiting the consumption of rice products. Use our chart

and recommendations on page 25, Our study was a snapshot of the market,

with many products purchased in the New York metropolitan area and online, to gauge the extent of arsenic's presence in everyday foods. It can't be used for overall conclusions about specific brands. Still, we found important trends:

•White rice grown in Arkansas, Louisiana, Missouri, and Texas, which account for 76 percent of domestic rice, generally had higher levels of total arsenic and inorganic arsenic in our tests than rice samples from elsewhere.

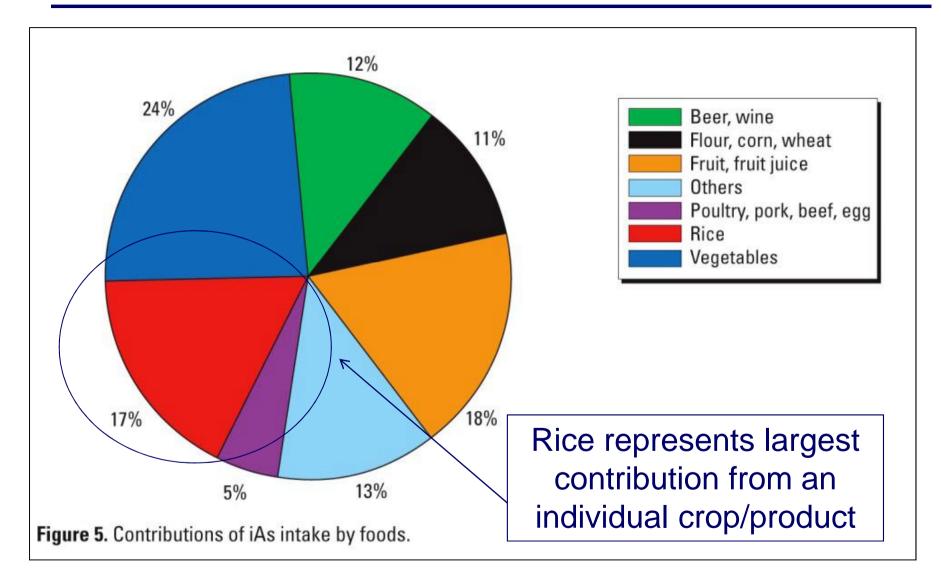
.Within any single brand of rice we tested, the average total and inorganic arsenic levels were always higher for brown rice than for white.

· People who ate rice had arsenic levels that were 44 percent greater than those who had not, according to our analysis of federal health data. And certain ethnic groups were more highly affected, including Mexicans, other Hispanics, and a broad category that includes Asians,

• Reducing arsenic in food is feasible. We examined the efforts of two food compa-

Arsenic Contribution by Foods



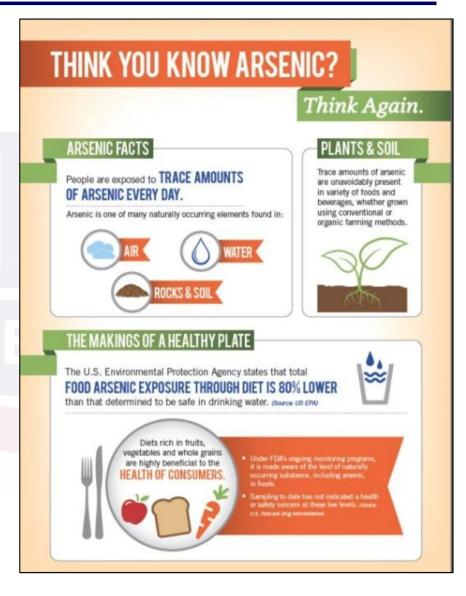




USA Rice Website Traffic

- 36 Million Impressions
- 100,000 Unique Visitors
- 500 Media with USA Rice messaging





Fallout from Consumer Reports Story

- Reps. DeLauro, Lowey, Pallone introduce legislation to set levels for arsenic in rice/rice products (Sept. 21)
- Requests for data from House Energy & Commerce Committee to rice companies
- South Korea temporarily suspended imports of U.S.-grown rice



FDA Action and Timeline



- Sampling, Testing, and Data Collection (End of 2012)
 - 1,200 rice and rice product samples.
 - Results to help inform risk assessment process.

Quantitative Risk Assessment (Likely end of 2013)

- Develop risk profiles to evaluate rice consumption across different age, ethnic groups.
- Industry research needed to inform FDA process and international standards process (CODEX).

Risk Management/Action Levels (TBD)

- Set levels of allowable arsenic content in rice (for subgroups).
- Implementation Timeline (TBD)

Industry Research Helps FDA Process



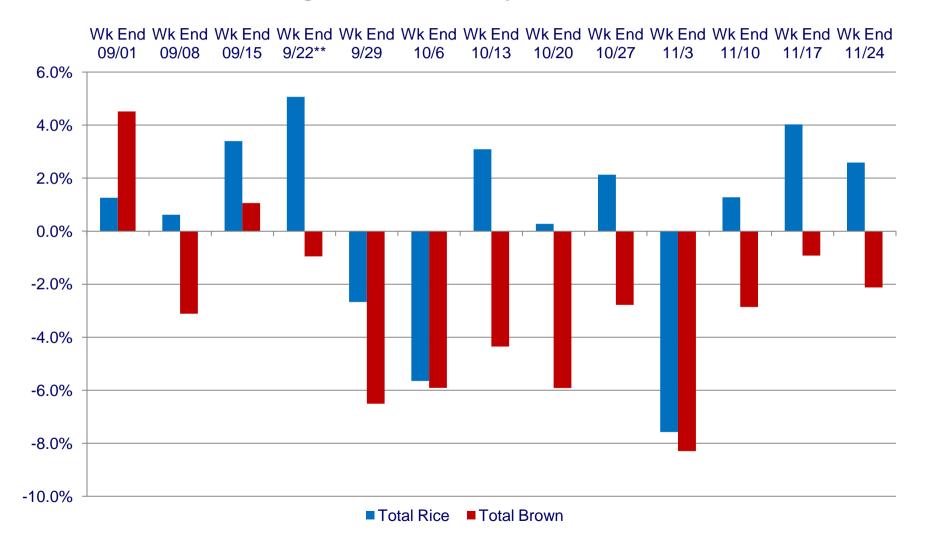
- Human Health Risk from Arsenic Exposure
- Net risk/benefit analysis of rice consumption and health/nutrition impacts
- Agronomic/Cultural Practices



- Processing, Milling
 Practices
- Varietal Differences/Development



Year-Over-Year Change in Rice Sales by Week - All Outlets Combined*



** Week of Arsenic article release

Working with Key Partners



- International Food Information Council
- International Life
 Sciences Institute
- Dietitians/Health Professionals
- Members
- Customers



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Nutrition Communications in an Evolving Demographic Landscape | 11/21/2012 21/20/PM Nutrition communications is an avoiving challenge for health prefessionals, not only because the bod uses.



Thank You

For more information visit:

http://arsenicfacts.usarice.com/