

Trends in Barley Foods in the U.S.

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Background of the Heart Health Claim

- National Barley Foods Council submitted a petition to FDA based on the experiment of human clinical study conducted for over 6 years.
 - 10 Participants were fed food containing 1) whole wheat or brown rice, 2) 60g of barley or 3) 120g of barley for 5 weeks.
 - Blood samples were collected and tested for blood lipid and cholesterol level.
 - Total and LDL cholesterol were reduced as a result of barley consumption.
- Petition was finalized and approved in 2006.





Heart Health Claim: 21 CFR 101.81

- Sample Claim
 - "Soluble fiber from foods such as (name of food), as part of a diet low in saturated fat and cholesterol, may reduce the risk of heart disease. A serving of (name) supplies (x) g of the soluble fiber necessary per day to have this effect".
 - There are requirements to use the claim...



Requirements of the Claim

- 1. Food must supply 3g/day or 0.75g/serving of β-glucan.
- 2. Barley must contain a certain percentage of β-glucan depending on the processing method (Shown in next slide).
- Food has to be low in fat, saturated fat, cholesterol and sodium to use the claim.

Connecting in the Global Marketplace

Restriction of Heart Health Claim

Raw material requirement

Raw materials	Processes	Min. β-glucan
Whole grain Barley	Hulless, dehulled	>4%
Dry milled Barley	Meal, grits, flour, pearled and flakes	>4%
Extracts	Barliv	>70%