Reviewer's report

Title: Food availability of glucose and fat, but not fructose, increased in the US between 1970 and 2009: Analysis of the USDA Food Availability Data System

Version: 2 Date: 6 March 2013

Reviewer: M. Daniel Lane

Reviewer's report:

I find the author’s response to my critique (notably, Comment 2) inadequate as the present version of the paper is misleading and leaves the distinct impression that the consumption of fructose can be ignored.

Comment 2: “It should be noted that recent studies with rodents and humans have shown definitively described direct effects of fructose per se (administered directly or in the diet) on the brain that enhance appetite. On the other hand glucose similarly administered, suppresses appetite. These facts should be mentioned in the Discussion.”

While the USDA breakdown data on fructose consumption is not currently available for different population groups (particularly the youthful group), this does not excuse ignoring this important issue in the Discussion. As indicated above without a discussion of the current literature on fructose which bears on this issue, the question is raised whether the paper should be accepted for publication.

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I have no competing interests.