

**From:** [Chassy, Bruce](#)  
**To:** [Adrienne Massey](#)  
**Cc:** [Val Giddings](#); [Henry Miller](#)  
**Subject:** Re: Nina Fedoroff's Op-Ed in NYT: Engineering Food for All  
**Date:** Friday, August 19, 2011 10:29:21 AM

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Adrienne,

I have been working with Nina on this and she never mentioned help. I will ask her if she had help but I got the impression that she worked directly with people she knew at NYT. It took a month and many revisions to get to what you read today. Nina really had to work to get this accomplished.

Bruce

On Aug 19, 2011, at 9:44 AM, Adrienne Massey wrote:

Do any of you know the answer to Ariel's question about who got Nina's op ed placed?

BTW, here's the op ed if you haven't read it.

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August 18, 2011

## Engineering Food for All

By NINA V. FEDOROFF

Washington

FOOD prices are at record highs and the ranks of the hungry are swelling once again. A warming climate is beginning to nibble at crop yields worldwide. The United Nations predicts that there will be one to three billion more people to feed by midcentury.

Yet even as the Obama administration says it wants to stimulate innovation by eliminating unnecessary regulations, the Environmental Protection Agency wants to require even more data on genetically modified crops, which have been improved using technology with great promise and a track record of safety. The process for approving these crops has become so costly and burdensome that it is choking off innovation.

Civilization depends on our expanding ability to produce food efficiently, which has markedly accelerated thanks to science and technology. The use of chemicals for fertilization and for pest and disease control, the induction of beneficial mutations in plants with chemicals or radiation to improve yields, and the mechanization of agriculture have all increased the amount of food that can be grown on each acre of land by as much as 10 times in the last 100 years.

These extraordinary increases must be doubled by 2050 if we are to continue to feed an expanding population. As people around the world become more affluent, they are demanding diets richer in