

The results are in...

Arctic apples won't brown after they've been bitten, sliced, or bruised. Consumer research has shown that people prefer the eye-appeal of the new variety. Approximately 40% of apples are wasted because of browning. The new variety maintains a longer shelf life so food waste is decreased. There is no need to treat apples with ascorbic acid to try and prevent browning.

The results are in...

Golden Rice could significantly reduce vitamin A deficiency syndrome. More than 1.1 million children die every year from vitamin A deficiency. Up to 500,000 more lose their eyesight and others become susceptible to diseases. This biofortification could improve the primary food source for billions of people.

The results are in...

Innate potatoes reduce black spots from bruising. Previously, tons of bruised potatoes never made it to the market costing millions of dollars. The technology also resulted in reduced production of the amino acid *asparagine*. Asparagine is a precursor to acrylamide which is a suspected carcinogen when cooking potatoes. The new potato reduces the risk of getting cancer.

The results are in...

Bt Corn has revolutionized pest control in corn crops by providing protection from hungry corn borer larva. This means that growers will be handling and applying fewer chemical insecticides which has health benefits for the growers and important environmental benefits. Bt Corn reduces the use of insecticides, protects yields, and improves the quality of the grain.

The results are in...

The Rainbow Papaya grown in Hawaii are resistant to the papaya ringspot virus (PRSV) and have been proven safe to eat and of commercial quality. This new variety yields up to 125,000 pounds of fruit per acre—a 25x increase. The fruits are exactly the same nutrition and have been safely consumed for more than a decade.

The results are in...

RoundUp Ready soybeans and cotton were first commercially produced in the mid-1990s. These transgenic crops can be sprayed with RoundUp (glyphosate) with no damage to the corn or soybean plants. Only the weeds are killed by RoundUp which improves crop yield and quality.