

The results are in....

Arctic® apples won't brown after they've been bitten, sliced or bruised. Consumer research has show 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 of the cut fruit so it won't be thrown away. 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....

Rice is the primary source of calories for more than 3 billion people in the world—many in southeast Asia. The International Rice Research Institute has used a variety of techniques to change the genetic architecture of rice so that it can be grown in soil that has a higher salinity. This has led to increased harvests for poor farmers in salt affected areas.

The results are in....

Norman Borlaug initially worked with high producing varieties of wheat that had tall, thin stalks. In 1953, his semi-dwarf variety produced more stalks and more heads of grain per plant. Borlaug's semi-dwarf, disease resistant varieties changed the potential yield of spring wheat dramatically. This increased production by six fold in Mexico.

The results are in....

Innate™ potatoes reduce black spots from bruising. Previously, tons of bruised potatoes never made it to market costing millions of dollars. The technology also resulted in the 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 Hawai'i is resistant to the papaya ring spot virus and has been proven to be safe to eat and of commercial quality. This new variety yields up to 125,000 lbs. 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. This transgenic variety can be sprayed with RoundUp (glyphosate) with no damage to the plant. The RoundUp will kill other plants (weeds) that compete with the soybeans and cotton. This can improve yields of the soybeans and cotton.