

COLLABORATION UNLOCKS THE ANSWERS THAT SCIENCE PROVIDES

Around the globe, DuPont works with farmers, local businesses, governments, NGOs and others who know the facts on the ground in order to find answers that will increase productions, reduce waste and deliver nutrition to those most in need.

Africa Biofortified Sorghum Initiative

Sorghum is an affordable staple food for more than 300 million people in Africa, yet it lacks most essential nutrients. To solve this nutritional challenge, DuPont Pioneer joined the Africa Biofortified Sorghum (ABS) Initiative, a public-private partnership to develop sorghum seeds with increased pro-vitamin A, zinc and iron content, and then build the production and distribution capability to get biofortified sorghum to farmers in Africa. As a result, not only has the level of pro-vitamin A been improved to levels that result in delivery of 100 percent of the daily Vitamin A requirement in children, but the stability of pro-vitamin A during grain storage also has been dramatically improved.

China's School Milk Program

DuPont is working with partners and government representatives to ensure China's young students not only have access to high-quality, nutritious milk, but also that the milk is properly formulated for their tastes. Working to help improve nutrition for children in China, DuPont and New Hope Dairy Co. developed specially formulated milk for China's National School Milk Program. DuPont partnered with New Hope Dairy Co. to develop the best possible recipes for varieties of milk that would appeal to different children's tastes in different regions across China. This National School Milk Program now supplies about 12.5 million students with safe, healthy milk every day.

Sustainable Aquaculture in Chile

Salmon are recognized as a significant source of protein and Omega-3 fatty acid, and the advent of aquaculture has enabled these fish to be more widely available. But salmon farming typically requires large quantities of oil obtained from fish in the ocean to be used during the process. To achieve a more sustainable solution, DuPont Industrial Biosciences partnered with the World Wildlife Fund and AquaChile to use oil-producing yeast developed by DuPont in AquaChile's salmon farming process. This cut the amount of wild fish oil used in the farming process from four kilograms for every one salmon farmed to one kilogram, maintaining the nutritional value and quality of the farmed salmon while helping to preserve marine ecosystems.

Improved Maize for African Soils

Nitrogen is essential for growing agricultural crops, yet because of its high price, the average farmer in Africa can only apply one-fifth of the amount of nitrogen needed to maintain adequate soil and crop health. To help local maize growers in Africa boost yields without applying more nitrogen to their crops, DuPont Pioneer joined the Improved Maize for African Soils partnership to develop maize varieties and hybrids that use nitrogen much more efficiently. By applying science to meet these unique local conditions, Pioneer is helping increase incomes for Sub-Saharan Africa smallholder farmers while ensuring important food supplies for consumers.

Welcome to the Global Collaboratory.™ Together we can feed the world.

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