

# SCIENCE MUST BECOME LOCAL WISDOM

The convictions that know-how must be brought to the people and places that need it the most is central to the DuPont approach. Working side-by-side with the population in education and outreach efforts, we transfer knowledge to the communities who will use it to secure their future.

## Philippines Vermiculture Project

Decades of corn production in the village of Glamang in the Philippines left farmers there facing steadily declining soil fertility conditions. To promote a sustainable solution to this problem, DuPont Pioneer collaborated with local government agencies to introduce a vermiculture program to farmers. Vermiculture is a method by which organic farm waste is converted to nutrient-rich fertilizer in a small shed and then applied to crop fields. By ensuring proper methods were taught to local farmers, Pioneer encouraged growers in the village to build more than 100 vermiculture sheds producing enough organic fertilizer to service 135 hectares of fields.

## Vietnam Rice Model Farm Program

To achieve its future food security and self-sufficiency goals, the government of Vietnam has made increasing domestic agriculture production a priority. Recognizing this increased production must be done in a more sustainable way while delivering higher crop yields, DuPont Pioneer collaborated with the Thanh Hoa province government to develop the Rice Model Farm Program to share valuable know-how with local farmers. At two model farms in the province, Pioneer provides local growers a series of demonstrations throughout the growing cycle to educate them on effective hybrid rice farming techniques. Farmers are taught proper seed selection, soil health management, pest control, water conservation, and harvesting and post-harvesting practices. By arming farmers with this knowledge, Pioneer is helping Vietnam achieve a more secure food future.

## Benefits of “Cover Crops” in the U.S.

In the U.S., DuPont is using its expertise to advise farmers of the benefits of planting “cover crops” to promote sustainable agriculture. Cover crops are those including oats or rye that are seeded into existing crops such as corn or soybean to control weeds, prevent erosion, and improve soil health. These cover crops are also beneficial alternatives in regions such as the Midwest that are susceptible to weather-related “prevented planting” when heavy rains or drought prevent planting of soybean or corn during the growing season. Planting cover crops is a relatively new practice, but DuPont Pioneer is helping farmers realize it can pay significant dividends in terms of land stewardship and crop yields.

## Soy Protein Supplement for Malawi

Together with local growers, producers and distributors, DuPont Nutrition & Health has introduced a nutrient-dense soy protein supplement to Malawi, Africa, as part of a solution to help curb malnutrition. DuPont food scientists provide Rab Processors with soy protein and processing support for a good-tasting nutritional food supplement. Called Sibusiso®, the Zulu word for “blessing,” the product is made from locally grown groundnuts and DuPont soy protein. The supplement does not require cooking or refrigeration and supports Malawi’s farmers and country economy in addition to a good food source for Malawi’s citizens.

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

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