Science *meets* Sustainability.

Welcome to The Global Collaboratory™

DUPONT 2013 SUSTAINABILITY PROGRESS REPORT
Science *meets* Innovation.
Welcome to The Global Collaboratory™

With expertise spanning two centuries, diverse industries and more than 90 countries, our company is uniquely positioned to help solve some of the world’s biggest challenges.

For more than 200 years, DuPont has brought world-class science and engineering to the global marketplace through innovative products, materials and services. Our market-driven innovation introduces thousands of new products and patent applications every year, serving markets as diverse as agriculture, nutrition, electronics and communications, safety and protection, home and construction, transportation and apparel.

Today, DuPont is proud to build on this heritage by partnering with others to tackle the unprecedented challenges in food, energy and protection now facing our world. With global population expected to exceed nine billion by 2050, DuPont is working with customers, governments, NGOs and thought leaders to discover solutions to today’s toughest challenges.

Together, we believe we can provide enough healthy food for people everywhere, decrease dependence on fossil fuels, and protect people and the environment for generations to come. We look forward to what a third century of science and innovation can do.

Together we can build a secure energy future.

While the demand for energy grows, the supply of fossil fuels will not. With a growing population, we will need to use those existing resources as efficiently and effectively as possible, and find better ways to harness renewable energy sources, as well. These transitions will stimulate new industries and power clean economies.

Together we can feed the world.

Ensuring that enough healthy, nutritious food is available for people everywhere is one of the most critical challenges facing humanity. Our focus on providing for the needs of a growing population will help developing countries prosper, and foster economic growth around the world.

Together we can protect what matters most.

A growing global population places increased pressure on people and the environment. As the world develops, humanity places greater value on both life and the earth we all share. We believe that our social and environmental ecosystems are precious, and we’re working to protect them.
We are driving a new era of sustainable growth as we continue to transform DuPont. We’re building a higher value, sustainable growth company focused on providing solutions to large global issues. The people of DuPont continue to advance our sustainability journey as we explore, discover, innovate and deliver solutions to global challenges.

We have three strategic priorities: agriculture and nutrition, bio-based industrials, and advanced materials. In each area, DuPont has leading science that is valued by our customers and which enables us to continue to build a distinctive set of higher margin, sustainable growth businesses. More than ever, sustainability is a core component of each of our business strategies.

In 2012 we made tremendous progress against our 2015 sustainability goals, achieving most of these goals three years ahead of schedule. Given that accomplishment, we have begun defining our next set of sustainability goals. In this report, we’ve included two areas that are outlined for 2020. One is Energy, which we announced in 2011. The other is a new category in its first year of reporting – Food Security. In the near future we will announce a complete set of 2020 sustainability goals that will reflect the overall strategic direction of DuPont.

As always, the DuPont Core Values of Safety and Health, Environmental Stewardship, Highest Ethical Behavior and Respect for People serve as the backbone of how we operate as individuals and as a company. They will continue to guide us in our effort to find sustainable, innovative, market-driven solutions that will make lives better, safer and healthier for people everywhere.

With our resources, talent, and science concentrated on clear strategic and operational priorities, we will accelerate progress toward our long term growth targets while delivering near term value to our shareholders. We will continue to challenge ourselves with sustainability goals that create value for all of our stakeholders, and through our product innovation, business strategy, and operations we will meet them.

Ellen Kullman
Chair of the Board & Chief Executive Officer

20+ YEARS OF ENVIRONMENTAL SUCCESS
At DuPont, our sustainability journey has evolved over the last few decades. We began by responding proactively to calls for environmental compliance, and by reducing our operational footprint. Since the early 2000s, we’ve expanded our sustainability efforts into market-driven goals that have helped us produce more sustainable solutions for customers. This year, we’re beginning to report progress in a new category, Food Security. Throughout this journey we’ve made significant progress in sustainability – and this year is no exception.

Since 2004, we’ve reduced our greenhouse gas emissions by 25 percent, surpassing the goal by 10 percent, and we’ve lowered our global water usage by 12 percent. Our Market-Facing Goals have seen progress since 2011, producing an additional $2 billion in revenue from products that reduce greenhouse gas emissions and $11.8 billion in revenue from products based on non-depletable resources.

“We’ve made such substantial progress toward our 2015 commitments that the time has come for us to look more broadly toward the future.”

In the new category of Food Security, DuPont has set goals to help ensure sustainable food production in order to ultimately end world hunger and guarantee food safety. We’re investing more than $3 million each day on research and development to this end, and we’ve already begun to see progress in our goals to strengthen agricultural systems and make food more available and nutritious.

We’ve made such substantial progress toward our 2015 commitments that the time has come for us to look more broadly toward the future. We’re focused now on determining our 2020 sustainability goals, as well as defining the ways in which we can make new leaps and bounds toward our vision of solving the world’s greatest challenges. Our perspective is that new technologies – such as biotechnology and nanotechnology – offer compelling benefits, and should be part of the suite of solutions that help bring safe and nutritious food to the world, decrease our dependence on fossil fuels, and safeguard people and the planet. Therefore societal acceptance of these technologies will be critical. We’re committed to working closely with stakeholders to understand concerns, to make sure our solutions are safe, and to be transparent about our work in these areas. We know that our ability for future growth is contingent upon our continued effort to be a socially and environmentally responsible corporate citizen.

We look forward to sharing with you a complete set of our 2020 sustainability goals in the near future, and to furthering our sustainability journey.

Linda J. Fisher
Vice President of DuPont Safety, Health & Environment and Chief Sustainability Officer
SUSTAINABILITY GOALS PERFORMANCE SUMMARY

GLOBAL FOOD SECURITY
SINCE 2012
$1.2 BILLION
RESEARCH AND DEVELOPMENT INVESTMENT
1040 NEW PRODUCTS
INNOVATION TO FEED THE WORLD
361,920 YOUNG PEOPLE
ENGAGED IN EDUCATION OPPORTUNITIES
162,670 LIVELIHOODS OF SMALL HOLDER
FARMERS AND COMMUNITIES IMPROVED

ENERGY
SINCE 2010
1.2% REDUCTION
IN NON-RENEWABLE ENERGY INTENSITY

MARKET-FACING
SINCE 2011
$879 MILLION
INVESTED IN R&D FOR
PRODUCTS THAT REDUCE
ENVIRONMENTAL IMPACTS
1661 NEW PRODUCTS
OR SERVICES THAT MAKE
PEOPLE SAFER

$2 BILLION
IN REVENUE FROM PRODUCTS
THAT REDUCE GREENHOUSE
GAS EMISSIONS

FOOTPRINT
SINCE 2004
25% REDUCTION
GREENHOUSE GAS EMISSIONS
12% REDUCTION
WATER CONSUMPTION OVERALL
21% REDUCTION
WATER CONSUMPTION IN
SCARCE AND STRESSED AREAS
91% U.S. VEHICLES
USING LEADING TECHNOLOGY
65% REDUCTION
AIR CARCINOGEN EMISSIONS
100% ISO 14001
CERTIFIED DUPONT
LEGACY SITES

$879 MILLION
INVESTED IN R&D FOR
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Science *meets* Feeding the World.

The consequences of hunger and malnutrition are so devastating, so multi-faceted, that no one country, let alone one company, has all the answers. That is why we are committed to working with others — through collaborations with NGOs, governments, academia and others in the industry — and by working locally with farmers from Kenya to Mexico to the Ukraine to address their unique challenges. DuPont is setting sizeable goals that are achievable by 2020 to help end world hunger and ensure food security.

**Hunger *meets* Innovation**

**DuPont Pioneer** introduced Optimum® AQUAmax® hybrids that demonstrated a more than eight percent yield advantage in water-limited environments and almost a two percent yield advantage in favorable growing conditions.

**DuPont Crop Protection** launched Cyazypyr® insect control, a unique active ingredient to control a broad spectrum of damaging insect pests in many crops around the world. Cyazypyr® combines effective pest control with a favorable environmental profile, to help growers establish and protect crops to produce a healthier and stronger crop resulting in improved quality and increased yield opportunities at harvest. For example, tomato farmers in Argentina are thrilled with the long-lasting effectiveness at low use rates, which offers great results while minimizing impact on the environment. Farmers have also commented that they are impressed with the short pre-harvest intervals and virus protection that Cyazypyr® offers.

**Food Security Challenge *meets* Inspired Youth**

DuPont is partnering with 4-H to engage youth in five African countries to build the skill and will to contribute to addressing the food security challenge. Programs include a Leadership Institute for adult 4-H leaders and enterprise gardens for building hands on farming and business training for youth. More than 14,000 young people were impacted in 2012.

**Smallholder Farmers *meet* Prosperity**

**Working closely with small farmers in Colombia, DuPont Nutrition & Health** is providing Marschall® brand rennet (enzymes) for cheese production – keeping food fresher longer, reducing waste and increasing the standard of living for farmers.

**DuPont Crop Protection** developed special projects aimed at farm safety and education across Brazil through Safety and Health in the Field. More than 115,000 farmers, families and rural professionals were trained in 2012.

**Food *meets* Biotechnology**

**DuPont integrates** many different sciences to help meet the challenges of growing global populations. Within the agriculture, nutrition, health and bio-based market segments, we invest $3 million a day in research and development. Biotechnology is one of the many tools, along with traditional methods like plant breeding, we employ to help meet the world’s food, feed and fuel demands while reducing our footprint on the planet.

We are proud of our science and the contributions it has made to making food healthier and more nutritious, fresher longer, safer and more sustainable.

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**2020 FOOD SECURITY GOALS**

**INNOVATING TO FEED THE WORLD**

The work will center on producing more food, enhancing nutrition, food and agriculture sustainability and safety, boosting availability and shelf life, and reducing waste.

**GOAL: $10 BILLION**

**RESEARCH & DEVELOPMENT INVESTMENT BY 2020**

**2012 PROGRESS: $1.208 BILLION**

**GOAL: 4,000**

**NEW PRODUCTS WILL BE INTRODUCED BY 2020**

**2012 PROGRESS: 1040**

**GOAL: 2 MILLION**

**FACILITATE 2 MILLION ENGAGEMENTS OF YOUTH AROUND THE WORLD IN EDUCATIONAL OPPORTUNITIES**

**2012 PROGRESS: 361,920**
We know consumers today have more questions than ever about their food, including the presence of GMOs. We — and the many regulators who review our products — have confidence in their safety. We also believe consumers should have access to helpful and not misleading information that allows them to make the best choices for themselves and their families. We support a variety of efforts, such as the U.S. Farmer and Rancher Alliance Food Dialogues, to help consumers connect with farmers and ranchers and learn more about how food is produced.

We want to address your questions and concerns, and engage in open dialogue about the many important aspects of producing safe, nutritious and affordable food. Join the conversation by contacting us on Twitter at @DuPont_news, through our website www.dupont.com or go to www.gmoanswers.com.

**GOAL: 90 PERCENT**

In LaPorte, Texas, the DuPont Chemicals & Fluoroproducts (DC&F) business demonstrated how serious energy savings can be captured simply by working smarter. LaPorte is one of our largest facilities in North America, and its products service several DuPont businesses worldwide. The complexity of the site’s operations and its size can present challenges in streamlining energy efficiency initiatives, but as the DC&F team found, sometimes it just takes an assessment of existing operations to find efficiencies.

When the DC&F team noticed that refrigeration operating costs seemed higher than necessary, they decided to observe and analyze how the machines were operated and maintained. Upon review of the data they discovered it would be possible to optimize equipment that was needed, turn off equipment that was not needed, and use a more practical cleaning schedule. The team used historical data to determine the ideal condition of the machines, and then coordinated with operations to run the machines using the improved strategy. Training was conducted among operators, and key performance indicator progress was communicated broadly and routinely.

The results speak for themselves. Once the program was fully operational, energy savings were found to be 32 percent in the first year alone, far surpassing the initial goal of a 4 percent reduction. The team was able to help the site reduce energy consumption by 2,900 megawatt hours, or 1,000 tons of carbon dioxide emissions equivalents. To put that in perspective, it would take over 94,000 tree seedlings more than 10 years to sequester that same amount of carbon.

The team was awarded a 2013 Responsible Care® Energy Efficiency Award from the American Chemistry Council for this initiative.
**Sustainable Fibers Help Activewear Fabrics Go the Extra Mile**

Activewear manufacturers and consumers alike appreciate the comfort stretch of DuPont™ Sorona® because it provides freedom of movement, making outdoor activities more enjoyable. Ideal for use in performance fabrics for active outdoor apparel, Sorona® provides comfort stretch and good color fastness to maintain bright, bold colors. And for the consumer, performance fabrics made with Sorona® resist fading from harsh UV light and can withstand repeated washings, extending the garment’s life.

As a renewably sourced material, Sorona® provides enhanced sustainability benefits throughout the value chain, from the reduction of oil consumption to energy and production savings to easy care for consumers. DuPont™ Sorona® contains 37 percent annually renewable plant-based ingredients by weight. DuPont conducted a cradle-to-gate life cycle assessment of Sorona® and found numerous environmental benefits of Sorona® polymer production compared to nylon. Sorona® polymer production uses 30 percent less non-renewable energy and reduces greenhouse gas emissions by 63 percent compared to the production of an equal amount of nylon 6. The life cycle assessment also shows no catalysts containing any heavy metals are used in the polymerization of Sorona®, and no additional chemical treatments for stain resistance are required, a benefit for manufacturers.

In addition to activewear fabric, Sorona® fiber is used in residential and commercial carpets, apparel and automotive mats and carpets. Sorona® provides sustainability benefits throughout the value chain – from polymer production, to extrusion at lower temperatures, to lower dyeing temperatures. With Sorona® fiber, designers, carpet mills, apparel brands, and consumers can make more environmentally friendly choices without sacrificing performance.

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**2015 Market-Facing Goals**

**Environmental Research And Development Investment Goal**

**GOAL:** Double investment to $640 million in R&D programs with direct, quantifiable environmental benefits for our customers and consumers.

![Graph showing environmental research and development investment from 2007 to 2012.]

**PROGRESS:** Increased research and development investment to $879 million in 2012.

We assess our R&D programs against the following 10 product sustainability categories related to environmental performance as seen by the customer/consumer. To qualify, programs provide a clear superior benefit in one or more categories while being at least on par with the incumbent product in all other categories qualified for inclusion.

- Climate Change
- Energy Use
- Pollution
- Material Use
- Waste
- Disposal
- Ecosystems and Biodiversity
- Water
- Toxicological Risk
- Use of Non-Depletable Resources

**New Products Goal**

**GOAL:** Introduce at least 1,000 new products or services that help make people safer globally.

![Graph showing new products introduced from 2007 to 2012 with a goal of 1,661 new products.]

**PROGRESS:** Introduced 1,661 products as of 2012.
2015 Market-Facing Goals

Greenhouse Gas Emissions

**GOAL:** Increase annual revenue by at least $2 billion from products that create energy efficiency and/or significantly reduce greenhouse gas emissions. We estimate these products will contribute at least 40 million tons of additional carbon dioxide (CO₂) equivalent reductions by our customers and consumers.

![Graph showing revenue from products that reduce greenhouse gas emissions](image)

**PROGRESS:** Increased revenue to $2 billion in 2012.

Cumulative Greenhouse Gas Emissions Reduction

![Graph showing cumulative greenhouse gas emissions reduction](image)

Revenue From Products Based On Non-Depletable Resources

**GOAL:** Nearly double revenue from non-depletable resources to at least $8 billion.

![Graph showing revenue from products based on non-depletable resources](image)

**PROGRESS:** Increased revenue to $11.8 billion in 2012.

Keeping Baked Goods Fresh

More food reaches landfills and incinerators than any other single material in municipal solid waste, and yet much of that food is perfectly edible. Bakery products are one of the worst culprits for avoidable food waste, with approximately 30 percent of bakery goods like bread, cakes and cookies thrown away before ever making it onto our plates. Often these items are discarded simply because of the perception that they have gone stale and dry.

Using an integrated science approach, DuPont Industrial Biosciences and DuPont Nutrition & Health are helping to reduce this problem which is costly for both industry and consumers. Enzymes, such as our PowerFresh™ enzyme range, play a key role in delaying the staling process and thereby reducing bread waste in retail and households. When enzymes are applied in the baking process, less bread needs to be stored, transported, sold, packed, processed and produced per consumed amount – resulting in significant reductions in environmental impact. In fact, just one kilogram of the PowerFresh™ enzyme results in several hundreds of kilograms of carbon dioxide equivalents avoided in the bakery value chain.

Our enzymes are designed to meet all bakery needs when processing white, whole meal and specialty bread products, such as brioche and panettone. The entire enzyme range demonstrates the ability to maintain a soft, moist crumb texture for considerably longer than traditional anti-staling solutions. Studies show that it is this softness that consumers perceive as freshness when choosing which bread to buy. As a consequence, bread waste is reduced due to fewer product returns and the fact that consumers are less likely to throw part of the bread away. Reducing today’s bread waste is an important way we can help our customers minimize their impact on the environment.
Capturing Steam Condensate

The DuPont-Fayetteville Works site is situated along the Cape Fear River in North Carolina. Here, employees work together to create materials that go into products like Tedlar® – a film used to help make photovoltaic solar modules more durable and weather-resistant, Naifon® – a membrane which improves fuel cells, and SentryGlas® and Butacite® – layers used in safety glass for cars and buildings. The site invests millions of dollars in maintaining advanced environmental facilities, many of which relate to responsible water and energy management.

The site’s commitment to responsible use of resources is demonstrated by its initiative to capture and reuse the steam used in its manufacturing operations. Collecting and reusing steam condensate results in energy savings from recycling water that has already been heated and treated. When water is reused in operations, it must be completely free from iron and other deposits, otherwise contaminated water can cause issues when routed to the boiler. The team found that by adding a water softener to the condensate returned from the manufacturing process, the clean, iron-free condensate could be readily reused in the process.

This project generated numerous benefits for the Fayetteville site. Specifically, the project reaped water savings (12 million gallons of water recycled annually), energy savings and carbon footprint reduction from decreased natural gas usage (1.6 million pounds of carbon dioxide) and financial savings from a decrease in chemical treatment costs.

**OUR 2015 ENVIRONMENTAL FOOTPRINT GOALS**

identify opportunities where we can reduce our operational impacts, including decreasing greenhouse gas emissions, water consumption and energy usage.
2015 Footprint Goals

Fleet Fuel Efficiency Goal

**GOAL:** 100 percent of the off-site fleet of cars and light trucks will represent the leading technologies for fuel efficiency and fossil fuel alternatives.

**FLEET FUEL EFFICIENCY**

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<tbody>
<tr>
<td>Gallons Per Mile (MPG)</td>
<td>0.8</td>
<td>0.9</td>
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<td>1.2</td>
<td>1.6</td>
<td>1.8</td>
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**GOAL:** 100 percent

**PROGRESS:** Increased to 91 percent of U.S. vehicles using leading technology.

Air Carcinogen Emissions Goal

**GOAL:** Since 1990, DuPont has reduced global air carcinogen emissions by 92 percent. Further reduce by at least 50 percent from a base year of 2004.

**AIR CARCINOGEN EMISSIONS**

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<tr>
<td>Average</td>
<td>1.72</td>
<td>1.48</td>
<td>1.47</td>
<td>1.46</td>
<td>0.62</td>
<td>0.34</td>
<td>0.25</td>
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**GOAL:** 0.9 million

**PROGRESS:** Reduced emissions 65.6 percent since 2004.

ISO 14001 Certification Goal

**GOAL:** 100 percent of our global manufacturing sites will complete an independent third-party verification of the effectiveness of their environmental management goals and systems.

**ISO 14001 CERTIFICATION**

<table>
<thead>
<tr>
<th>Percentage of Sites</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
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<td>Sites 105</td>
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<td>Sites 57</td>
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**GOAL:** 100 percent

**PROGRESS:** 86 percent of sites are ISO 14001 certified.

Fleet Data

Leading technology vehicles currently considered for fuel efficiency are: Flexible Fuel Vehicles, Hybrid, Clean Diesel and E85. We are also tracking improvements in fuel efficiency through our fleet management company, PHH.

**AVERAGE**

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<tr>
<td>Sedans</td>
<td>19.7</td>
<td>20.4</td>
<td>21.1</td>
<td>22.0</td>
<td>22.9</td>
</tr>
<tr>
<td>Trucks</td>
<td>15.0</td>
<td>15.2</td>
<td>15.1</td>
<td>15.8</td>
<td>16.2</td>
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</tbody>
</table>

<table>
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<tr>
<th>Average CO2 Emissions Per Car (g/km)</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
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</thead>
<tbody>
<tr>
<td>Europe</td>
<td>195</td>
<td>186</td>
<td>186</td>
<td>160</td>
<td>142</td>
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</tbody>
</table>

**GOING FOR GOLD**

DuPont is a proud participant in sustainability initiatives that increase and improve the energy efficiency of buildings. That’s why we were excited when the office building at our Chestnut Run Plaza facility achieved LEED (Leadership in Energy and Environmental Design) Gold certification.

Sustainability is a key element of the building’s design, demonstrated by the green roof and a state-of-the-art solar array that offsets energy needs. At least 50 percent of the wood-based materials used in construction of the building are certified from sustainable forests. The building also features advanced technology in its function and aesthetics, such as waterless urinals, energy-efficient LED lighting and HVAC systems.

More than 20 DuPont products are incorporated into the building’s structure, electronic systems and décor including:

- Corian® solid surface material used as siding on the building’s exterior, countertops in dining areas and multiple decorative applications
- Zodiaq® quartz surfaces for interior surfaces, kitchen countertops and vanity tops
- Tyvek® CommercialWrap® used to help prevent air and water infiltration
- Solar panels from DuPont Apollo, Ltd.
- Glass fortified with SentryGlas® ionoplast interlayer
- Elvaloy® used in the “white roof” to reflect the sun and reduce the load on cooling systems in the summer months
- Carpet tiles made with rapidly renewable Sorona® fiber.

This building demonstrates how DuPont is using integrated science to make buildings more sustainable.
DUPONT IS PROUD to have made the following indices, lists and awards in 2013:

- S&P 500 Carbon Performance Leadership Index (CPLI)
- Carbon Disclosure Leadership Index (CDLI)
- CDP Global 500 Carbon Performance Leadership Index
- North America Dow Jones Sustainability Index (DJSI)
- National Safety Council Robert W. Campbell Award
- FORTUNE Magazine World’s Most Admired Companies
- Working Mother Magazine 100 Best Companies
- HRC Corporate Equality Index

DUPONT RESEARCH AND DEVELOPMENT is aimed at substantial global needs, including more and better food, alternative energy, lightweighting, protective apparel and electronics.

DUPONT WILL BE OPENING the first and largest cellulosic ethanol facility in Nevada, Iowa in late 2014. It is expected to generate 30 million gallons annually of cellulosic biofuel produced from corn stalks and leaves.

IN 2004, DUPONT WAS THE FIRST American, publicly traded company to appoint a Chief Sustainability Officer: Linda Fisher

The global scope of Dupont science and technology

> 10,000 scientists and engineers
$2.1 billion research and development investment
150 centers for research and development worldwide

Further Information
To view this and other DuPont publications online, visit us at www.sustainability.dupont.com and www.investors.dupont.com

We welcome feedback from all our stakeholders. Please contact us at http://www2.dupont.com/Contact/en_US/corp/index.html or connect with us on Twitter @DuPont_Ability

DuPont is a science company. We work collaboratively to find sustainable, innovative, market-driven solutions to solve some of the world’s biggest challenges, making lives better, safer, and healthier for people everywhere.