A WORLDWIDE COMMITMENT TO GOOD FOOD

• Smithfield Foods is a $14 billion global food company and the world's largest pork processor and hog producer.
• From our small town beginning in Smithfield, Virginia, Smithfield Foods has grown into a global food company with a presence in 12 countries.
• In the United States, the company is also the leader in numerous packaged meats categories with popular brands including:
SMITHFIELD’S OPERATIONS EXTEND TO 12 COUNTRIES

- Wholly owned operations
- Campofrío Food Group
- Joint Venture
WHERE OUR STORY BEGAN

Smithfield gets record fine for polluting Virginia river

By Associated Press

Hurricane Reveals Flaws in Farm Law as Animal Waste Threatens N. Carolina Water

Supreme Court of Virginia.

TREACY v. SMITHFIELD FOODS INC

Dennis H. TREACY, et al. v. SMITHFIELD FOODS, INC.

Record No. 970773.
-- June 05, 1998

Present: All the Justices.

John R. Butcher, Assistant Attorney General (Mark L. Earley, Attorney General; Roger L. Chaffee, Senior Assistant Attorney General; Stewart T. Leeth, Assistant Attorney General, Deborah Love Feld,
Hog Farm Workers Carry Drug-Resistant Bacteria Off the Farm – Sept. 29, 2014


Doctors Should Stand up to Big Ag – Oct. 8, 2014

On Factory Farms, Not All Cruelty Is a Crime – Oct. 9, 2014

What Went Wrong With Corporate Farming? – Oct. 18, 2014


This Little Piggy Bred a Superbug – Oct. 14, 2014

MAINSTREAM MEDIA ARTICLES
AUTHOR LOCATIONS
SMITHFIELD’S SUSTAINABILITY PROGRAM

- ISO 14001 Certification and EMS Systems
- Environmental Awards Program
- Web-based Training Program
- Environmental Compliance Committee (ECC)
- PQA Plus® Certification
- Conversion to Group Housing
- Animal Care Committee
- CO2 Stunning
- Internal Audit Program
- State-of-the-Art Facilities/Technology
- Food Safety Policy
- Food Safety Auditing
- Traceability
- Cloning Policy
- Sodium Policy
- Employee Injury Prevention Management System (EIPMS)
- Corporate Management
- Safety Awards
- Human Rights Policy
- Learners to Leaders®
- Helping Hungry Homes®
- World Water Monitoring Day
- FFA Environmental and Natural Resources Award

- Reduced worker’s compensation costs by 28%
- Saved $471 million through environmental improvement projects
- Launched cause marketing campaigns to benefit social causes
- All subsidiaries sponsored at least one health and wellness program
- Contributed $2.5 million in education programs to benefit employees and their children
ENVIRONMENTAL AWARDS PROGRAM

Open to all employees company-wide

Must both save the company money and help the environment

Has saved the company over $471 million in cost improvements
FARM NOTICES OF VIOLATION
ON-FARM IMPROVEMENTS SINCE 2001

GHG Emissions

Note: Due to increased production efficiency spurred primarily by improvements in genetics and nutrition, per pig CO2 emissions have been reduced by approximately 15% since 2001. CO2 is the most typical measure of greenhouse gas contribution.
### TABLET-BASED MANAGEMENT SYSTEM

#### Form Chop 3

**Weekly Lagoon Level Report**

**04/04/2008 to 04/14/2008**

<table>
<thead>
<tr>
<th>Facility</th>
<th>Lagoon</th>
<th>Start Pump</th>
<th>Step Pump</th>
<th>Lagoon Level</th>
<th>Facility Name</th>
<th>Complex</th>
<th>Division</th>
<th>Facility</th>
<th>Date</th>
<th>Region</th>
<th>Eastern Region</th>
<th>Machine</th>
<th>Total Volume</th>
<th>Volumetric</th>
<th>Maximize Per</th>
<th>Mass Per</th>
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<td>2167</td>
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<td>23.07</td>
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<td>01-01-12</td>
<td>3001003</td>
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<td>04/14/2008</td>
<td>35161</td>
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</tr>
</tbody>
</table>

#### Weekly Management Report

**04/11/2008 to 04/14/2008**

#### Crop Yield Record

**Synchronization Report**

**Requested Date: 05/16/2008**

**Gallons Pumped Detail**

**03/01/2008 to 04/17/2008**

### Sync chronological order

- Table
- Form Chop 3
- Crop Yield Record
- Synchronization Report
- Gallons Pumped Detail

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**Note:**

- Form Chop 3 includes detailed records for lagoon levels and pumpings.
- Crop Yield Record may be a part of the synchronization report.
- Gallons Pumped Detail is a detailed report covering a specific period.

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**Table: Weekly Lagoon Level Report**

- **Facility**: 02010000
- **Lagoon**: 2167
- **Start Pump**: 2167
- **Step Pump**: 2035
- **Lagoon Level**: 23.07
- **Facility Name**: 35161
- **Complex**: 01-01-12
- **Division**: 3001003
- **Date**: 04/14/2008
- **Region**: 35161
- **Eastern Region**: 35161, 35151, 37231
- **Machine**: 01-01-12
- **Total Volume**: 414,700

**Table: Weekly Management Report**

- **Region**: Eastern Region
- **Division**: 3001003
- **Complex**: 01-01-12
- **Date**: 04/11/2008 to 04/14/2008

**Table: Gallons Pumped Detail**

- **Region**: 35161
- **Eastern Region**: 35161, 35151, 37231
- **Machine**: 01-01-12
- **Total Volume**: 1,269,658
"But according to the researchers, a lot of animals in the poorest corners of the world still eat only grass. This way of producing meat isn't a very efficient use of land, and in the long run, these animals actually emit more greenhouse gases, per pound of meat produced, than an animal raised in an industrial facility on grain." -NPR
GLOBAL POPULATION IS ON THE RISE, BUT AGRICULTURAL LAND AVAILABLE REMAINS THE SAME

• Global population (in millions)

• Agricultural land (1,000 ha)
As global income rises, demand for meat increases.

Beef  Pork  Broiler  World GDP  All Protein

% growth in meat production demand and GDP
SWINE PRODUCTION AS A % OF TOTAL US GHG’S (2007)

Based on USEPA GHG Report
Emission Intensities
(direct emissions from livestock)

Kg carbon dioxide equiv./$ of output

<table>
<thead>
<tr>
<th></th>
<th>Kg carbon dioxide equiv.</th>
<th>U.S</th>
<th>EU-27</th>
<th>Brazil</th>
<th>China</th>
<th>India</th>
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<td>15.0</td>
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<td>5.0</td>
<td>10.0</td>
<td>15.0</td>
<td>20.0</td>
</tr>
<tr>
<td>Non-ruminant</td>
<td>10.0</td>
<td>2.0</td>
<td>5.0</td>
<td>10.0</td>
<td>15.0</td>
<td>20.0</td>
</tr>
</tbody>
</table>

NOT ALL MEAT IS CREATED EQUAL
REMOVING TECHNOLOGY FROM BEEF PRODUCTION INCREASES RESOURCE USE AND GHG EMISSIONS

If all U.S. beef was grass-fed, it would increase:

- Land use by 53.1 million ha = 75% land area of Texas
- Water use by 1,773 billion liters
  - Equal to annual usage by 53.1 million households
- GHG emissions by 134.5 million t CO₂-eq
  - Equal to annual emissions from 26.6 million cars

LESSONS LEARNED
COMMUNICATE WITH YOUR CRITICS
CHANGE TAKES TIME-
STAY THE COURSE

KEEP CALM
AND
STAY THE COURSE
YOU GOTTA BELIEVE IT
DON’T BE AFRAID TO GO TO THE OTHER SIDE
Smithfield Continues to Change Playing Field – for Pigs

Smithfield Aims to Make Pork the Sustainable White Meat

Smithfield Foods and the Quest for Large-Scale, Sustainable Pork

Smithfield using tech to promote sustainability

EDF, Smithfield Foods Collaborate to Reduce Fertilizer Runoff

Smithfield using tech to promote sustainability

Smithfield Foods, Kroger and other big food vendors turn waste into energy

Sustainable Processor of the Year: Smithfield Foods Embraces Environmental Stewardship

Smithfield using tech to promote sustainability

Sustainable Processor of the Year: Smithfield Foods Embraces Environmental Stewardship

Smithfield Aims to Make Pork the Sustainable White Meat

Smithfield using tech to promote sustainability
https://www.youtube.com/watch?v=fVHD5PP31Gc