



AgroFresh

Advancing the future of freshness™

WHY
Sustain-
ability
Matters

Our Mission: We combine deep scientific knowledge with applied industry know-how to extend shelf life of the best-tasting produce, prevent food waste and conserve our planet's resources.

Our Vision: To be the guardian of the world's fresh produce.



"AgroFresh's commitment to sustainability is at the very core of what we do"

– Clint Lewis, Chief Executive Officer

Ensuring the health of our planet and the food we grow from it has never been a more serious or urgent charge.

As businesses and consumers, we all grapple daily with how our actions affect the earth. On the frontlines of these challenges is the global food supply chain, including produce growers and packers.

Historically, growers and packers have lacked the tools and support to control the environmental factors that influence their harvests. Without innovative solutions, they have had little control over their yields and the amount of their crop that goes to waste.

At AgroFresh, the opportunity to fight food waste began with the launch of our SmartFresh™ technology.

With SmartFresh, AgroFresh revolutionized the apple business, providing growers and packers with the post-harvest control they had lacked.

For nearly two decades, growers and packers have relied on SmartFresh to deliver tangible benefits to their apple harvests. By protecting the quality of the fruit and extending shelf life, SmartFresh transformed the way apple growers and packers around the globe conduct business.



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Approximately one-third of all the food we produce goes to waste. That means that at every stage in the food supply chain — from the farm, through storage, transportation and, finally, to our tables — we waste more than a billion tons of food. That waste has critical implications for our global economy and, most importantly, for the health of our planet. When food is wasted, so is the water used to produce that food at a time when clean water is in increasingly short supply. What's more, about 8% of greenhouse gas emissions comes from food waste.

Food waste is one of the foremost challenges to worldwide sustainability and one of the true global opportunities for leaders in the fresh produce industry.

Over the past several years, AgroFresh's impact has extended beyond apples to serve produce growers, packers, distributors and retailers across crops and around the world. In the midst of this growth, our mission has not changed. We strive daily to combine deep scientific knowledge with applied industry know-how to extend shelf life of the best-tasting produce, reduce food waste and conserve our planet's resources.

SmartFresh™
an AgroFresh solution

"We all share a responsibility to the future of our planet, and we can act on a daily basis with small, personal acts."

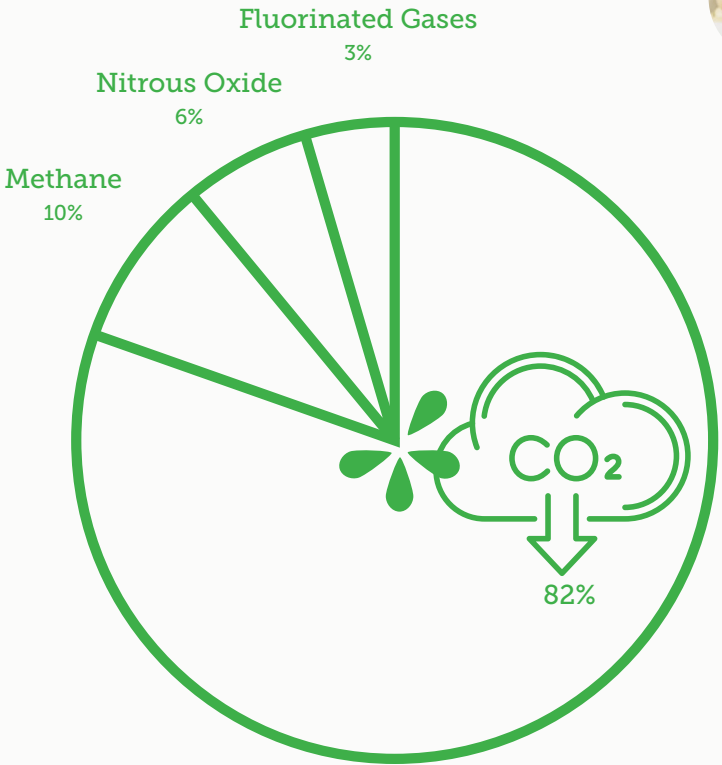
– Veronika Mangin, Global Core Portfolio Project Lead

With more than 3,500 direct customers, dozens of scientists and post-harvest physiologists, and more than 800 patents, AgroFresh feels a responsibility to support our customers with solutions and technologies that benefit the efficiency of their operations and the well-being of our planet.



Growers and packers around the world depend on SmartFresh

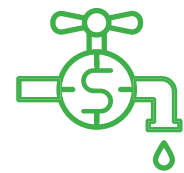
technology to help them maintain the freshness of their produce. But SmartFresh's impact doesn't stop there. It also has a direct impact on decreasing food waste and preserving the earth's resources.



CO2 is the largest source of greenhouse gas emissions in the U.S., according to the U.S. EPA



That sustainability impact is data-backed, scientific and verified by third-party research by The Context Network®. Commissioned by AgroFresh to quantify the results of SmartFresh for our planet, The Context Network analyzed SmartFresh in the U.S., France and Italy, three of the world's largest apple producers.



REDUCED
APPLE SPOILAGE
EQUATES TO
MORE THAN
2.5 MILLION
METRIC TONS
OF WATER

SmartFresh's influence on the apple industry means more than improved business for global growers and packers. From 2002-2018, 259,500 tonnes or metric tons of apple waste was diverted in the U.S., France and Italy alone.

Improving the apple supply chain in those three countries during the same period took more than *10 million tonnes of carbon dioxide out of the air*. In other countries throughout the world, SmartFresh reduced CO₂ emissions by approximately 342,000 tonnes.*

*Extrapolation from 2015-2018 for SmartFresh markets outside of the U.S., France and Italy



SmartFresh took more than 10 Million Metric Tons of Carbon Dioxide Out of the Air **

WHAT 10 MILLION
METRIC TONS OF
CO₂ LOOKS LIKE



2 MILLION
CARS OFF
THE ROAD
FOR A YEAR



MORE THAN
1 BILLION
SMARTPHONES
CHARGED



MORE THAN
50,000 RAILCARS
WORTH OF COAL
BURNED



1 MILLION
HOMES'
ENERGY USE
FOR ONE YEAR



In France and Italy, packers reported a 23% reduction in waste. In the U.S., the figure was 31-39%.



*In the U.S.

We are committed to reducing waste throughout the fresh produce supply chain — from growers and packers to wholesalers and retailers. The global market urgently needs food waste solutions. Around the world we produce about 1.3 billion metric tons worth of fruits and vegetables, about 45% or 575 million metric tons of that going to waste.

At AgroFresh, sustainability is both an ethos and a global business. Around the world, we are at work developing and offering products and technologies to reduce waste from the pre-harvest stage to the kitchen table.

AgroFresh’s comprehensive product portfolio includes Harvista™, a pre-harvest technology that results in higher yields. Also included are Teycer® waxes and coatings, which can increase shelf life or improve the appearance of fruit to encourage purchase and consumption.



IV. The SmartFresh Impact

“When I think about sustainability, I think about my family and my kids and leaving the world a better place for them and future generations.”

– Evan McCaskey, Global Business Development Manager



At the retail stage of the supply chain, our RipeLock™ technology allows bananas to maintain premium visual appeal and consumer-preferred taste and texture. One of our newest technologies is FreshCloud™, a data-driven tool that provides the entire fresh produce supply chain with visibility and data that empower more informed decisions to reduce waste and better preserve the earth’s resources.

AgroFresh advantages are real, quantifiable and science backed. At AgroFresh, we believe that sustainability is a proactive approach ingrained in every action, every day. And while we have long been a leading provider of chemistries that reduce food waste and honor the planet, we have an even greater appreciation for what the future needs from us.

Assessing the measurable impact of SmartFresh is only the beginning. We see our commitment coming to life in three major ways:

1. Continuous and consistent assessment and analysis of the global footprint of our solutions such as SmartFresh

2. Investing in research and development of data-driven technology that furthers our mission

3. Embracing the responsibility of our core value of sustainability — in our work and in our lives

With technical know-how, industry experience and a focus on sustainability, we anticipate the challenges of the fresh produce industry and aspire to continuously deliver innovative solutions to better the industry and our planet.

As we strive daily to live up to our vision — to be the guardian of the world's fresh produce — we stand ready to lead the fresh produce industry into a more sustainable future.



Food and Agriculture Organization of the United Nations, <http://www.fao.org/food-loss-and-food-waste/en/>

United States Environmental Protection Agency, <https://www.epa.gov/greenvehicles/greenhouse-gas-emissions-typical-passenger-vehicle>

**AgroFresh Insights conducted by The Context Network®

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