

HELPING THE WORLD GROW HEALTHY PLANTS

As mounting global pressures threaten the world's food supply, Momentive is helping growers efficiently increase crop yields – so they can make the most of their acreage and grow healthy plants for a sustainable future.



By 2050, the world population will reach 9.4 billion.[†]

A GROWING POPULATION

The world needs more food to sustain this growth.

INCREASED FOOD DEMAND

Water is becoming scarcer as global demand will increase 55% by 2050.[‡]

SCARCE RESOURCES

Consumers are becoming increasingly concerned about pesticides.

ENVIRONMENTAL CONCERNS



Mechanized farming and new application technologies are enhancing efficiencies.

Growers are increasing crop yields to meet demands.

Sustainable farming practices are using less soil and water.

Environmental impact of pesticides can be reduced with the right adjuvant.



Solution: Grow Healthy Plants Using Fewer Resources

SUPERSPREADING FOR SUPERIOR CROP PROTECTION

Momentive's innovative spray adjuvants include Silwet* adjuvant, the agriculture industry's most-recognized silicone brand. As a superspreader, Silwet adjuvant greatly enhances the spreading, uptake and rainfastness of many crop protection products, including insecticides, herbicides and fungicides.



RAPID SPREADING
So growers can use less chemicals and water



COMPLETE COVERAGE
So pests, weeds and diseases don't stand a chance



EXCELLENT RAINFASTNESS
So growers won't have to reapply chemicals



30+ CUSTOM SILWET ADJUVANT FORMULATIONS, INCLUDING:

- Acidification agents
- Crop/vegetable oils
- Deposition agents
- Drift reduction agents
- Organosilicone superspreaders
- Organosilicone surfactants
- Surfactants
- Water conditioning agents
- Wetters

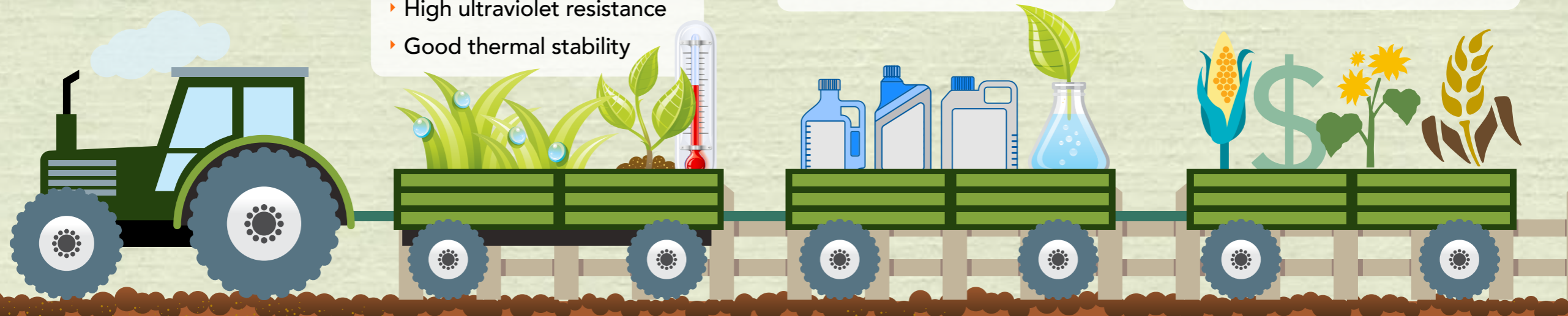
ENABLING GROWERS TO DO MORE WITH LESS

Silwet adjuvant allows growers to produce more healthy plants with less labor, water and chemicals, enhancing application efficiencies and lowering production costs. Added to spray formulations, Silwet adjuvant enables growers to reduce spray volumes by up to 75% – and get the most out of every crop.

- SILWET ADJUVANT PROPERTIES**
- Superior surface wetting and spreading
 - Exceptional foliar coverage
 - Enhanced plant uptake
 - Better adhesion and rainfastness
 - Reduced spray drift
 - High ultraviolet resistance
 - Good thermal stability

- ENVIRONMENTAL BENEFITS**
- Lower spray volumes of up to 75% of spray to runoff rates
 - Fewer reapplications
 - Reduced runoff potential

- SUSTAINABLE RESULTS**
- More efficient operations
 - Lower production costs
 - Increased crop yields
 - Healthier plants



Silwet Adjuvant Yields More Healthy Plants with Fewer Resources

MOMENTIVE INNOVATIONS IN AGRICULTURE

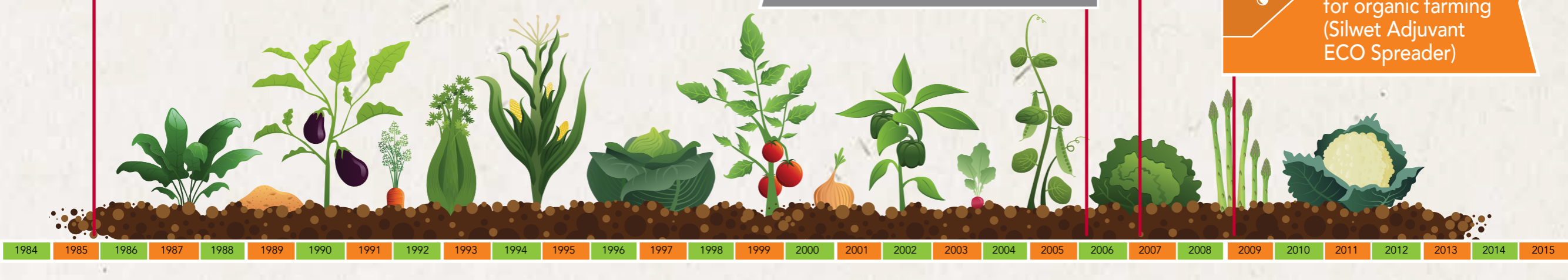
Delivering the industry's broadest line of silicone agricultural adjuvants and foam control agents, Momentive serves the agricultural market's diverse needs in over 70 countries. We're innovators, bringing notable firsts to the global market – all to help the world grow healthy plants.

1985
First silicones in agricultural tank-mix applications (Silwet L-77 Adjuvant)

2006
First high-performance agricultural antifoams (SAG* 1572 Antifoam, SAG-1538 Antifoam)

2007
First pH-stable silicones for in-can products (Silwet HS Adjuvant)

2009
First silicones for organic farming (Silwet Adjuvant ECO Spreader)



[†] Source: United States Census Bureau, International Data Base (2016). Total Midyear Population for the World: 1950-2050.
[‡] Source: United Nations (2014). The United Nations World Water Development Report 2014 – Water and Energy, Vol. 1.
* Silwet and SAG are trademarks of Momentive Performance Materials Inc.
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