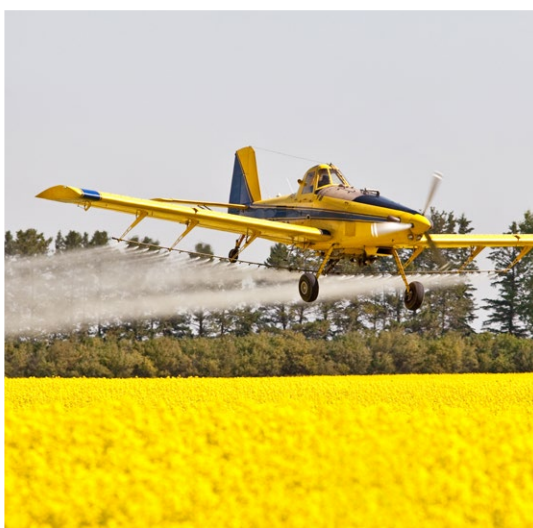




# Silwet

BY MOMENTIVE



SHAPING THE FUTURE  
OF AGRICULTURE

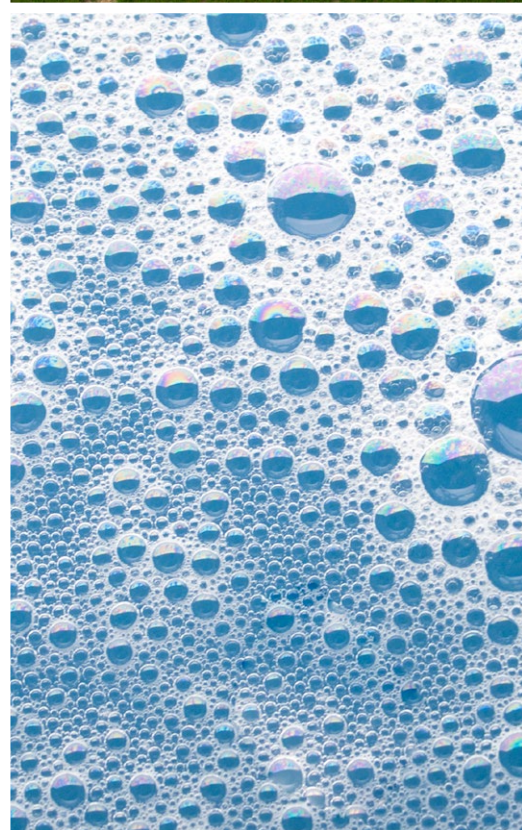
ADJUVANTS AND ANTIFOAMS

AgroSpred

BY MOMENTIVE

SAG

BY MOMENTIVE



IMPROVE CROP  
YIELD WITH  
EXCEPTIONAL  
**COVERAGE**



## A LEGACY OF TRUSTED PERFORMANCE

From the original Silwet L-77™ adjuvant introduced in the 1980s, Momentive continues its legacy of innovation developing a wide range of high-performance adjuvants that dramatically increase spray coverage, maximize penetration when needed, and knock down foam and keep it down longer. With more than 35-years of experience and expertise, Momentive helps growers worldwide achieve superior performance from their agrochemical treatments. Whether for tank-mix, or in-can formulations, Momentive's adjuvants have a reputation for high-quality, powerful performance. It's no wonder more growers and formulators trust Momentive adjuvants to deliver proven results.

MOMENTIVE'S CONTINUED  
INVESTMENT IN INNOVATION  
ENSURES OUR ADJUVANTS  
REMAIN AMONG THE MOST  
ADVANCED ON THE MARKET.



## MORE THAN JUST PRODUCTS

For more than 35 years, Momentive has worked with formulators and distributors worldwide to bring new and innovative adjuvant technology to agriculture. Our expert scientists are among the most experienced in the industry. They work closely with our partners to develop customized and differentiated products utilizing state-of-the-art technology labs around the world. Our agronomists and application specialists provide hands-on, in-field training and technical sales support to help increase the success of our partners' sales staff. Momentive's continued investment in marketing and promotion helps formulators and distributors expand their reach and increase profits. Put the powerful performance of Momentive's agricultural adjuvants and team to work today.

### Momentive provides:

#### Global product development resources

- A broad portfolio of adjuvants designed for a wide range of crops and environments
- Formulation development support
- Technology and application labs in China, India and the United States
- Globally registered and products listed for organic use
- Dedicated resources for toxicology and regulatory support

#### Products designed for compatibility and ease of use

- Compatibility in a broad spectrum of formulations
- Stability over a wide pH range for in-can applications
- Global manufacturing facilities for consistent supply and worldwide availability
- ISO certified, state-of-the-art manufacturing facilities that meet the highest quality and global standards

#### Outstanding before and after sales support

- Hands-on application and product training to help increase sales staff effectiveness
- Marketing and promotional support
- In-field technical sales and promotion support to help generate demand
- Global customer service centers

SAVE TIME & MONEY WITH GREATER SPRAY EFFICIENCY



SPREAD UP TO  
**10 TIMES MORE**  
 THAN CONVENTIONAL  
 ADJUVANTS WITH  
 RAPID INFILTRATION  
 (WHEN NEEDED)

## Silwet<sup>®</sup>

### Conventional Spreader

As Little as **16%** Spreading Diameter on Leaf



### Silwet Super Spreader

Up to **90%** Spreading Diameter on Leaf



## Super Spreaders and Super Penetrants

### Maximum Coverage for Improved Yield and Spray Efficiency

Silwet™ super spreaders and super penetrants help growers achieve maximum coverage and improve yield and spray efficiency—even against the hardest to wet plants and the toughest weeds. Silwet adjuvants' ultra-low surface tension provides super spreading—up to 10 times more than conventional spreaders—excellent foliar adhesion and rapid uptake when desired. Silwet adjuvants can enable stomatal infiltration in as little as 2 minutes†—providing improved rainfastness and spray flexibility. Silwet adjuvants provide growers confidence that each spray treatment will deliver maximum performance.



#### Easy to Use

- Highly compatible; mixes easily with a broad range of agrochemicals
- Broad product portfolio tailored for a wide range of crops, climates and treatments
- OMRI Listed and IBD certified products available for use in organic farming
- Stable over a broad pH range for in-can use
- Experts available to help optimize formulation and tank-mix applications



#### Improve Crop Yield with Better Agrochemical Performance

- 10 times more spreading than conventional spreaders
- Improved adhesion to the plant surface
- Rapid stomatal infiltration when needed
- Rainfast in as little as two minutes†
- Low phytotoxicity



#### Save Time and Money with Greater Spray Efficiency

- Lower spray volumes mean fewer tank mixes and less water use
- Lower adjuvant dose rates
- Less run-off and wasted agrochemicals



† Plant infiltration and speed to rainfastness can be controlled and are dependent on many factors, including plant species, conditions, equipment and product concentrations.

Test results. Actual results may vary.



## Multifunctional Spreaders and Penetrants

Advanced Technology for Varying Spray Conditions

Silwet™ multifunctional spreaders and penetrants offer outstanding spreading and penetration while providing additional benefits that help growers solve unique challenges that come with varying weather or spray conditions. With decades of field experience and formulation expertise Momentive's scientists and product development specialists can partner with formulators to develop innovative and customized products for specialized applications.

### Our product line includes:

- Low-drift spreaders and penetrants that can help minimize waste and risk to surrounding crops
- Low-foam spreaders and penetrants that help save time and increase application efficiency
- Durable, film-forming spreaders that provide rainfast coverage when stomatal infiltration is not desired
- Water conditioning spreaders and penetrants

RAINFAST<sup>†</sup> IN  
AS LITTLE AS  
**2 MINUTES**



# IMPROVED ADHESION TO THE PLANT SURFACE

## AgroSpre<sup>o</sup>



### Spreaders and Penetrants

#### Reliable Spray Performance Optimized for Backpack and Specialized Applications

In backpack applications, growers often rely on high spray volumes to achieve spray coverage. Treatments applied in this way are often inconsistent. Momentive's high-performance AgroSpre<sup>o</sup>™ spreaders and penetrants are tailored to the needs of backpack spray applicators. AgroSpre<sup>o</sup> adjuvants are high quality products that provide more reliable coverage and improved performance. Growers can be confident that they get better pest control and improved crop health. By improving spray coverage and increasing penetration, Momentive's AgroSpre<sup>o</sup> spreaders and penetrants help growers optimize the performance of their backpack and high-spray volume applications.

#### Our product line includes:

- Optimized spreading for backpack and higher spray volume applications
- Outstanding penetration for herbicides
- Compatible with vegetable and mineral oils
- Customizable for specific applications



## Antifoams

Exceptional Foam Control  
for Improved Productivity

Momentive's high-performance SAG™ antifoams are designed to knock down foam fast and keep it controlled longer, often with only a single application. With advanced technology, SAG antifoams eliminate even the most persistent foam across a broad spectrum of formulations. One tank treatment with SAG antifoam provides long-lasting foam control, allowing formulators to improve productivity and providing growers more time to spray and less hassle from foam.

### Our product line includes/provides:

- Fast knock-down and exceptional defoaming on a broad spectrum of formulations
- Durable, long-lasting foam control from one treatment
- High dispersibility
- Treatment of more tanks per bottle than conventional defoamers
- Compatible with both water- and oil-based formulations
- OMRI Listed and IBD certified products available
- REACH-compliant and EPA inert tolerance antifoams
- Wide range of application formats



LONG-LASTING  
FOAM CONTROL  
FROM **ONE**  
**TREATMENT**



## Silwet™ and AgroSpreed™ Adjuvants

	Product	Description	pH Range	Regulatory Status
<b>Silwet</b> Super Spreaders and Super Penetrants	Silwet L-77™ Super Spreader	High-performance super spreader with exceptional spreading and stomatal infiltration when needed	6.5-7.5	EPA 40 CFR§180.910, BCS LISTED, OMRI LISTED
	Silwet™ ECO Super Spreader	High-performance super spreader for organic farming	6.5-7.5	EPA 40 CFR§180.910, IBD CERTIFIED, OMRI LISTED
	Silwet™ 806 Super Spreader	Low-foaming super spreader with low freezing point	6.5-7.5	EPA 40 CFR§180.910, OMRI LISTED
	Silwet™ LF Super Spreader	Lowest-foaming super spreader	6.5-7.5	
	Silwet™ 408 Super Spreader	High-performance super spreader compatible with vegetable oils	6.5-7.5	EPA 40 CFR§180.910, OMRI LISTED
	Silwet™ 618 Super Spreader	Super spreader with low stomatal infiltration	6.5-7.5	EPA 40 CFR§180.910
	Silwet™ 625 Super Penetrant	Super penetrant for tank-mix herbicide applications	6.5-7.5	EPA 40 CFR§180.920
	Silwet™ OC Adjuvant Concentrate	Adjuvant concentrate with improved spreading and adhesion for use with crop oils	6.5-7.5	EPA 40 CFR§180.910
	Silwet™ 641 Concentrate	Adjuvant concentrate with excellent spreading for use with MSO	6.5-7.5	EPA 40 CFR§180.910
	Silwet™ HS 604 Adjuvant	Low-foaming super spreader / super penetrant that is stable across a wide pH range for in-can formulation	4-10	EPA 40 CFR§180.910
	Silwet™ HS 312 Adjuvant	Super spreader / super penetrant that is stable across a wide pH range for in-can formulation	3-12	EPA 40 CFR§180.910
	Silwet™ HSEC Adjuvant	Clear, super spreader / super penetrant that is stable across a wide pH range for in-can formulation	3-12	
	<b>Silwet</b> Multifunctional Spreaders and Penetrants	Silwet™ STIK-2 Super Spreader	Fim forming, rainfast super spreader with minimal stomatal infiltration	6.5-7.5
Silwet™ DRS-60 Spreader		High-performance spreader-wetter with excellent drift reduction	6.5-7.5	EPA 40 CFR§180.920
Silwet™ FUSION Super Penetrant		Multifunctional penetrant with improved spreading, low drift, low foam and water conditioning	6.5-7.5	EPA 40 CFR§180.920
<b>AgroSpreed</b> Spreaders and Penetrants	AgroSpreed™ Prime Adjuvant	Excellent adhesion and penetration for herbicides	6.5-7.5	EPA 40 CFR§180.910, OMRI LISTED
	AgroSpreed™ FLEX Adjuvant	Improved spreading and adhesion across a wide range of spray volumes	6.5-7.5	EPA 40 CFR§180.910, OMRI LISTED
	AgroSpreed™ 200 Adjuvant	Improved spreading mineral oil adjuvant for insecticides and fungicides	6.5-7.5	EPA 40 CFR§180.910
	AgroSpreed™ 910 Adjuvant	MSO-based adjuvant with improved penetration and spray coverage	6.5-7.5	EPA 40 CFR§180.910
	AgroSpreed™ 960 Adjuvant	d-Limonene-infused adjuvant for insecticide and fungicide applications	4-10	
	AgroSpreed™ 106 Adjuvant	Spreader / penetrant that is stable across a wide pH range for in-can formulation	3-12	

## SAG™ Antifoams

	Product	Description	Aqueous Formulations	Non-Aqueous Formulations	Tank-Side Addition	Regulatory Status
<b>SAG</b> Antifoams	SAG™ 1572 Antifoam Emulsion	15% actives, high-performance silicone antifoam emulsion with wide use range	Yes	No	Yes	40 CFR§180.920
	SAG™ 1538 Antifoam Compound	100% actives, high-performance silicone antifoam compound with wide use range	Limited	Yes	No	40 CFR§180.910
	SAG™ 1599 Antifoam Compound	100% actives, high-performance silicone antifoam compound for high-electrolyte formulations	Limited	Yes	No	40 CFR§180.910
	SAG™ 10 Antifoam Emulsion	10% actives, silicone antifoam emulsion with excellent defoaming for tank-mix applications	Yes	No	Yes	40 CFR§180.910, 40CFR§180.920 <sup>†,††</sup> , 40 CFR§180.930
	SAG™ 30 Antifoam Emulsion	30% actives, silicone antifoam emulsion with excellent defoaming for tank-mix applications	Yes	No	Yes	40 CFR§180.910, 40 CFR§180.930
	SAG™ 100 Antifoam Compound	100% actives, food-grade silicone antifoam for non-aqueous systems	No	Yes	No	40 CFR§180.960
	SAG™ 47 Antifoam Compound	100% actives, OMRI-Listed silicone antifoam compound for non-aqueous formulations	No	Yes	No	40 CFR§180.960, OMRI LISTED, 21 CFR§173.340 <sup>††</sup>
	Antifoam OR-10 Emulsion	10% actives, OMRI-Listed food-grade silicone antifoam emulsion with excellent defoaming properties	Yes	No	Yes	40 CFR§180.910, OMRI LISTED, 21 CFR§173.340 <sup>††</sup>
	Antifoam OR-90 Compound	100% actives, OMRI-Listed food-grade silicone antifoam for fermentation and high alkaline formulations	No	Yes	No	40 CFR§180.960, OMRI LISTED, 21 FR§173.340 <sup>††</sup>
	SAG™ 1529 Antifoam Concentrate	78% actives, silicone antifoam concentrate for aqueous in-can formulations	Yes	No	No	40 CFR§180.910
	SAG™ 471 Antifoam Concentrate	100% actives, silicone antifoam with good dispersibility and excellent defoaming for fermentation	Fermentation Processes			40 CFR§180.910
	SAG™ 5693 Antifoam Concentrate	100% actives, OMRI-Listed food-grade silicone antifoam compound for fermentation	Fermentation Processes			21 CFR§173.340 <sup>††</sup> , OMRI LISTED

<sup>†</sup>Recommended concentration range for when foam control of the fully-diluted product is desired. If foam control is only needed during downpacking, much lower concentrations will be effective.  
<sup>††</sup> Compositionally compliant with 21 CFR 173.340 and may be considered for use as a defoaming agent in processing foods in accordance with the conditions specified and limitations imposed by this regulation.  
<sup>†††</sup> Limited to no more than 16.67% in the final pesticide formulation.





#### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

#### Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

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