

Silwet* 408

Spray Adjuvant to control Brown Plant Hopper on Rice



Application

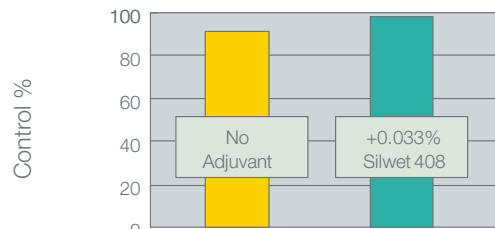
China is the largest producer and consumer for rice. In 2009, China planted about 29.68 million ha rice with 195.8 million tonnes yield. Plant hoppers are one of main pests causing severe damage to rice. To ensure high crop yields and better quality, growers usually treat rice with pesticides, such as Buprofezin.

Momentive's **Silwet 408** spray adjuvant can decrease the surface tension of pesticide spray treatments significantly more than other conventional spray adjuvants. This property typically leads to improved spray coverage, lower spray volumes, lower application costs and rapid uptake of agrochemicals into the plants. To demonstrate the specific benefits of silicone spray adjuvants, the Silwet 408 spray adjuvant was trialled with standard 25% Buprofezin WP spray treatments on rice.

Field Trials

| | |
|-------------|---------------------------------------------|
| Location | Guangxi province, China |
| Crop | Rice |
| Insecticide | Buprofezin 25% WP(900 g/Ha ; 600 g/Ha) |
| Weed | <i>Nilaparvata lugens</i> |
| Adjuvant | Silwet 408 (Adjuvant Rates: 0.033%) |
| Application | Tank-mix (Spray Rates: 675 l/Ha; 450 l/Ha;) |

Field Data
(14 DAT)



| | | |
|----------------------|-----|--------|
| Water | 675 | 450 |
| Active | 900 | 600 |
| Silwet* 408 Adjuvant | - | 0.033% |

Note: Test data. Actual results may vary.

Results

Trials demonstrated the following benefits from the Silwet 408 spray adjuvant addition to Buprofezin sprayed on rice:

- 97% control with the Silwet 408 spray adjuvant addition (91% control with no adjuvant treatment)
- 33% less spray volumes, resulting to lower application costs
- 33% lower pesticide dose rates

*Silwet is a trademark of Momentive Performance Materials Inc.

Customer Service Centers

Worldwide Hotline

4information@momentive.com

+1 614 986 2495 / T +1 800 295 2392

North America

Silicones – Fluids, UA, Silanes, Specialty Coatings, RTV and Elastomers

T +1 800 523 5862 / +1 800 334 4674
F +1 304 746 1654 / +1 304 746 1623

Consumer Sealants/

Construction Sealants and Adhesives

T +1 877 943 7325
F +1 304 746 1654

Latin America

South America

T +55 11 4534 9650
F +55 11 4534 9660

Mexico and Central America

T +52 55 2169 7670
F +52 55 2169 7699

Europe, Middle East, Africa and India

T +00 800 4321 1000 / +40 21 3111848

Pacific

China

T +800 820 0202 / +86 21 3860 4892

Japan

T +0120 975 400 / +81 276 20 6182
F +81 276 31 6259

Korea

T +82 2 6201 4600
F +82 2 6201 4601

Malaysia

T +60 3 9206 1555
F +60 3 9206 1533

Thailand

T +66 2207 3456
F +66 2207 3488

DISCLAIMER: THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC., MOMENTIVE PERFORMANCE MATERIALS USA INC., MOMENTIVE PERFORMANCE MATERIALS ASIA PACIFIC PTE. LTD., MOMENTIVE PERFORMANCE MATERIALS WORLDWIDE INC., MOMENTIVE PERFORMANCE MATERIALS GmbH, THEIR SUBSIDIARIES AND AFFILIATES DOING BUSINESS IN LOCAL JURISDICTIONS (collectively "SUPPLIERS"), ARE SOLD BY THE RESPECTIVE LEGAL ENTITY OF THE SUPPLIER SUBJECT TO SUPPLIERS' STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIERS MAKE NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING SUPPLIERS' PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. AFOREMENTIONED EXCLUSIONS OR LIMITATION OF LIABILITY ARE NOT APPLICABLE TO THE EXTENT THAT THE END-USE CONDITIONS AND/OR INCORPORATION CONDITIONS CORRESPOND TO THE RECOMMENDED CONDITIONS OF USE AND/OR OF INCORPORATION AS DESCRIBED BY SUPPLIER IN ITS PRODUCT DATA SHEET AND/OR PRODUCT SPECIFICATIONS. EXCEPT AS PROVIDED IN SUPPLIERS' STANDARD CONDITIONS OF SALE, SUPPLIERS AND THEIR REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN. Each user bears full responsibility for making its own determination as to the suitability of Suppliers' materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Suppliers' products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Suppliers' Standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Suppliers. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Suppliers or any of its subsidiaries or affiliates covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

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.

*Silwet is a trademark of Momentive Performance Materials Inc.

Momentive and the Momentive logo are trademarks of Momentive Performance Materials Holdings Inc.



22 Corporate Woods Boulevard
Albany, NY 12211 USA
momentive.com