

Adsee® Flex 960

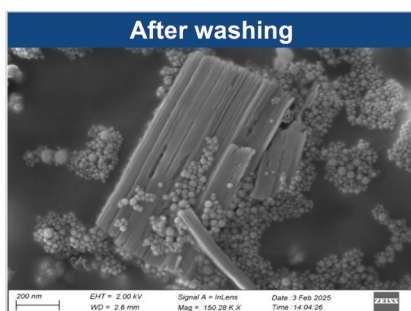
Deposition and Rainfastness Adjuvant

Introduction

Adsee® Flex 960 is patented technology comprising an optimized blend of surfactants and colloidal silica, designed to work as a superior deposition and rainfastness adjuvant. Adsee Flex 960 has been shown to improve fungicide efficiency in both laboratory and multiple field trials. It is a microplastic-free solution and has a favorable label.

How does Adsee Flex 960 work?

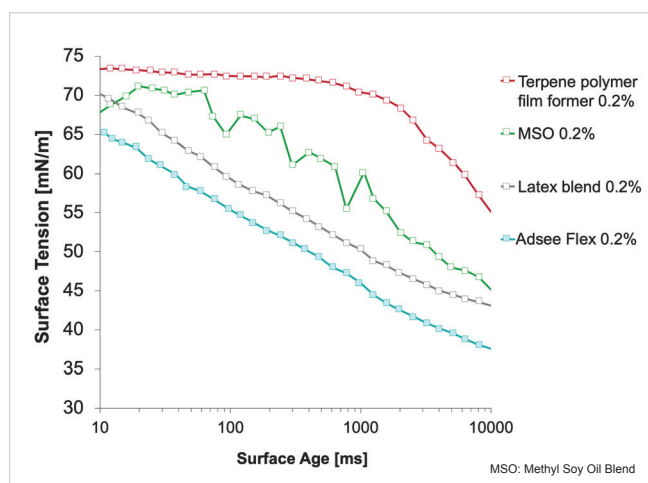
- Enhances wetting performance by effectively lowering the surface tension.
- Functions as a deposition aid by reducing surface tension, ensuring spray droplets stay on the target surface.
- Improves the rainfastness by boosting adhesion of active ingredient(s) to the leaf surface. Adsee Flex 960 retains the active ingredient(s) even under conditions of heavy rainfall or irrigation.



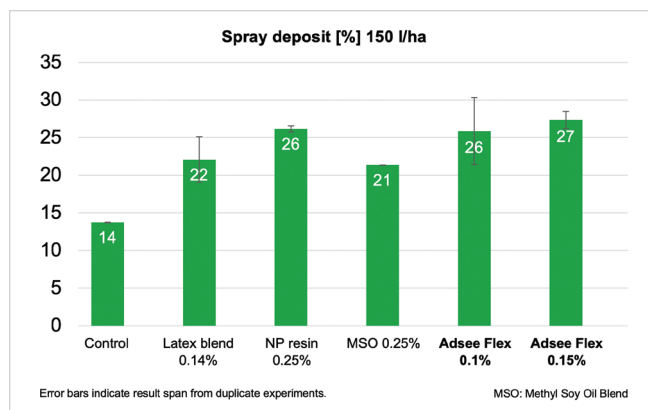
Copper-based fungicide with Adsee® Flex 960 subjected to washing and examined under SEM. Large crystals are copper fungicide, small white spheres are Adsee Flex 960.

Wetting and deposition

The wetting properties of various adjuvants were evaluated by measuring dynamic surface tension. Adsee Flex 960 exhibited the strongest reduction of surface tension among the tested adjuvants, indicating superior wetting properties.



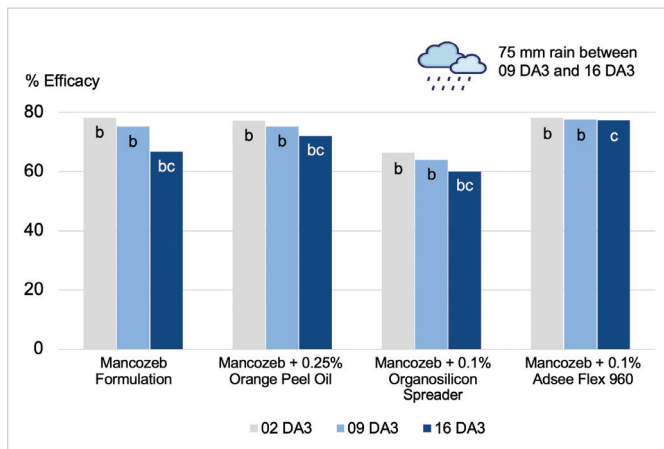
The deposition properties of various adjuvants were examined through spray tests on soybean plants, utilizing dye as a tracer. Following spraying, the deposited dye was collected and used to calculate the spray deposition rates. Adsee Flex 960 showed superior deposition boosting performance.



Field trial results

In conducted field trials, Adsee Flex 960 is seen to help fungicide applications retain efficacy over extended time periods and under heavy rain.

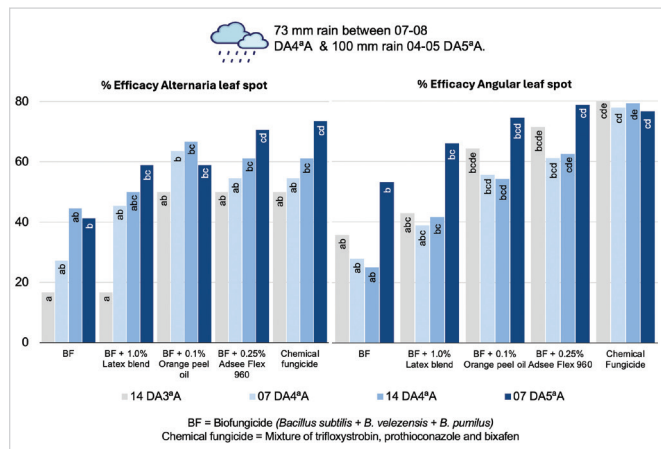
Brazil field trial – Soybean Rust



The results shown are means of four replicates and analyzed according to Tukey test ($\alpha=0.05$). The results noted with same letter do not have statistical difference.

In a Brazilian soybean field trial using Mancozeb, Adsee Flex 960 helped retain the fungicide’s efficacy in controlling Asian soybean rust. Adsee Flex 960 demonstrated excellent rainfastness, maintaining its effectiveness despite 75 mm of rainfall between the 3rd and 4th observations. Soybean plots treated with Adsee Flex 960 showed no infection increases.

Brazil field trial – Fungal disease in beans



The results shown are means of four replicates and analyzed according to Tukey test ($\alpha=0.05$). The results noted with same letter do not have statistical difference.

In a Brazilian field trial on beans using a biofungicide, Adsee Flex 960 improved the biofungicide’s efficacy in controlling the observed fungal diseases. Adsee Flex 960 enabled the biofungicide to achieve statistically equivalent control compared to chemical fungicides.

Contact us directly for detailed product information and sample request.
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