



**Improved Coverage
Less Fungicide
Better Blight Control**

20% LESS FUNGICIDE

Silwet® 408 Silicone Adjuvant for Fungicide Use on Potato Crops.



Crop:
Potato

Region:
Europe

Adjuvant:
Silwet 408 Adjuvants

Fungicide:
Zampro Max®
(26.9% ametoctradin
+ 20.2% dimethomorph
suspension concentrate)

Disease:
Late blight, caused
by *Phytophthora infestans*

Application:
Tank mix

Spray Rates:
0.8 L/ha MSO;
0.15 and Silwet 408 adjuvant

The Challenge

Controlling the pest that causes late blight is one of the most critical aspects of potato farming. After all, late blight can wipe out an entire potato crop. To maximize crop yield while minimizing treatment costs, potato growers seek to optimize the delivery of fungicide to their crops. Since worldwide consumption of potatoes is currently surpassed only by wheat and rice, this optimization has the potential for significant economic and environmental benefit across the globe.

The conventional adjuvant used in tank mixes of late blight fungicides is a methylated seed oil (MSO). The goal of this adjuvant is to improve the spreading of the tank mix and maximize adhesion on the potato plants. This study compared the performance of the conventional MSO to an alternative silicone adjuvant.

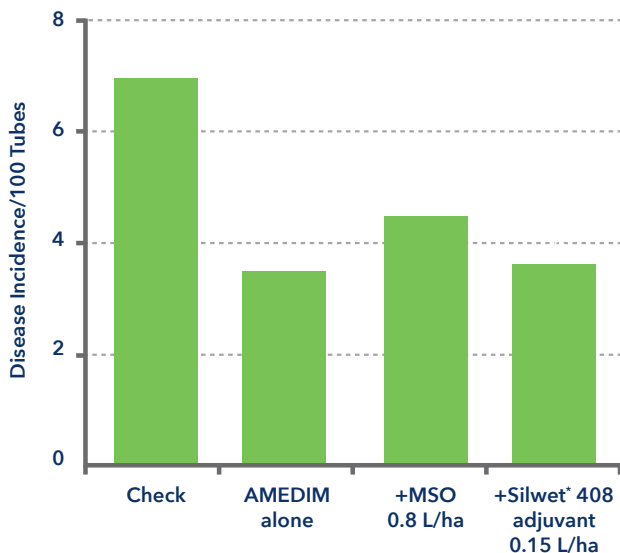
Improved Fungicide Productivity

Silwet 408 adjuvant has the ability to lower droplet surface tension. This enables the fungicide mix to spread more completely and to adhere more effectively to the plants, which can allow applicators to apply the late blight fungicide at lower spray volumes.

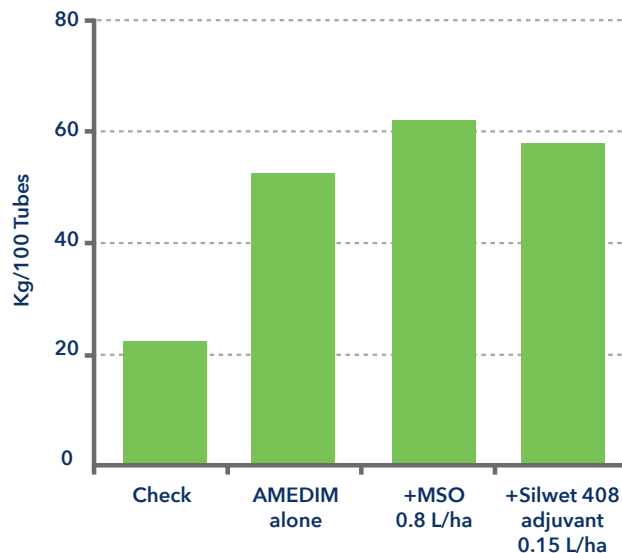
To demonstrate its specific benefits, Silwet 408 adjuvant was trialed with the Zampro Max® fungicide. Field "blocks" of potato plants were treated with Zampro Max fungicide alone, with an MSO, and with Silwet 408 adjuvant.



Disease Incidence (P. infestans) in Potato



Impact of Adjuvant on Potato Yield



Note: Test data. Actual results may vary.

The results

Fungicide trialed with Silwet 408 adjuvant provided equivalent disease control and product yield at one-fifth the concentration of the MSO.

Due to the lower spray volumes with Silwet 408 adjuvant, an applicator can also treat more hectares with less fungicide and fewer tank mixes, which in turn can help save time and money.

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