

Silwet

BY MOMENTIVE

Improved Coverage
Less Herbicide
Better Weed Control

UP TO 50% LESS HERBICIDE

Silwet* 408 Silicone Adjuvant for
Herbicide Use on Sugarcane Crops



Crop:
Sugarcane

Location:
Garhdiwala, India

Adjuvant:
Silwet 408 Adjuvants

Adjuvant Rates:
0.033%; 0.027%

Herbicides:
Atrazine 50 WP herbicide ;
2,4-D amine ; Metribuzin
70% WP herbicide

Weeds:
Purple nutsedge
(Cyperus rotundus);
Bermuda grass
(Cynodon dactylon);
Giant pigweed
(Trianthema portulacastrum)

Application: Tank Mix

Spray Rates:
375 L/Ha; 187 L/Ha; 150 L/Ha)

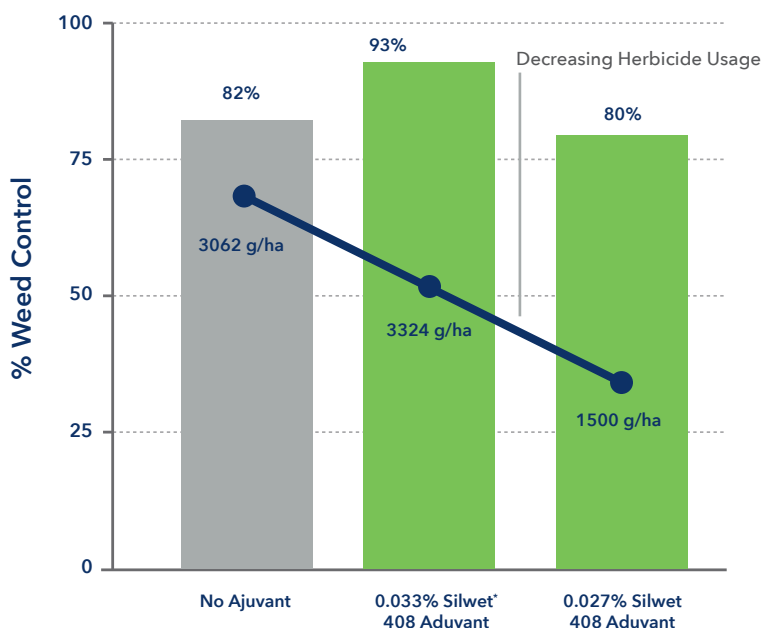
The Challenge

To stem the growth of weeds and to ensure high yields of high-quality produce, sugarcane growers in India usually treat their fields with herbicides. Like most growers, they face the perennial challenge of lowering production costs while maintaining - or increasing - yield. India serves as an important test bed for sugarcane production: it is the second biggest sugarcane producer in the world, just behind Brazil, with over 300 million tons per year, or 20 percent of global production.

The Application

Instead of looking for a cheaper (and potentially less effective) herbicide, a better way to reduce costs is to improve the efficiency of the herbicide by increasing its coverage, and by improving the rate of absorption into target weeds. Momentive's Silwet 408 adjuvant can enhance spray coverage and increase the absorption rate of the herbicide, even at significantly lower spray volumes. This can enable the applicator to treat more hectares with less herbicide and fewer tank mixes, saving time and money.

To demonstrate its specific benefits, Silwet 408 adjuvant was trialed with a blend of three herbicides - Atrazine herbicide, 2,4-D amine and Metribuzin herbicide - on some of the most virulent weed species encountered in Indian sugarcane fields.



Note: Test data. Actual results may vary.

The Results

Trials demonstrated the herbicide blends incorporating Silwet 408 adjuvant provided similar or improved weed control while treating more hectares per tank. Reductions included:

Up to **60 percent** less water, resulting in more hectares treated per tank.

Up to **50 percent** less herbicide dosing rates per tank.

Spray Volume	(L/ha)	375	187	150
Atrazine Herbicide	(g/ha)	1250	1000	625
2, 4-D Amine	(ml/ha)	1250	1000	625
Metribuzin Herbicide	(g/ha)	187	137	100



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