

## BASIC INFORMATION

<b>TARGET</b>	Bud mite ( <i>Colomerus vitis</i> )
<b>CROP</b>	Table grape, cv. Bonheur (red grape) ( <i>Vitis vinifera</i> )
<b>SPRAY VOLUME</b>	730 - 1300 l/ha
<b>LOCATION</b>	Paarl, Western Cape • South Africa
<b>TRIAL DATE</b>	September 2013
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## FIELD SITUATION

Pre-season bud mite infestation was determined by doing bud analyses (3 buds on each of 6 cuttings per plot) in the dormant period during the winter of 2012. Plots were selected (all had an infestation level of approximately 50 % of buds analyzed being infested with bud mite) and treated three times at 14 day intervals, with the first treatment applied shortly after bud burst. A bud infestation analysis was again done on the same plots in the dormant period of the winter 2013.

## TREATMENT TABLE

TREATMENT		RATE	NOTES
1	Untreated	-	Do three applications using motorized knapsack. Ensure thorough wetting of vines.
2	Pride® fenazaquin 200 g/l	50 ml/hl	
3	Pride® fenazaquin 200 g/l + <b>WETCIT</b> alcohol ethoxylate	50 ml/hl / 150 ml/hl	Do first application when last buds break and follow up with 2 more applications at 14 day intervals.
4	Flo sulphur sulphur 700 g/l	600 ml/hl	
5	Flo sulphur sulphur 700 g/l + <b>WETCIT</b> alcohol ethoxylate	600 ml/hl / 150 ml/hl	



## CONCLUSIONS

Both Treatment 2 and 4 show low control ability over buds infestations at the 2<sup>nd</sup> evaluation, but the addition of **WETCIT** in treatment 3 and 5 at 150 ml/hl provide an efficacy increase of 28 % and 39 % over the Pride® and Flowable Sulphur treatments dropping down significantly the population of budmites and buds infestations.

FIGURE 1

## Percentage buds infested

post treatment

AFTER THREE TREATMENTS AT 14 DAY INTERVALS. PAARL, WESTERN CAPE, SA, 2013

