



### Tribute for kikuyu control

The use of a programme of DSMA or MSMA followed by Tribute has been shown to be an effective programme for the control of Paspalum in the USA. We have also demonstrated this to be the case in Australia. In 2011 we found a similar programme was also effective for the control of kikuyu in couch. It was found that running the programme in summer gave the best results, but some kikuyu still remained.

This trial was primarily set up to examine the effect of follow up autumn treatments.

The treatments below all had the same summer three application programme of MSMA followed by Tribute followed by Tribute. Treatments 3-6 had different autumn programmes applied. It is very apparent that only using the summer programme results in significant kikuyu recovery. The use of follow up treatments in autumn dramatically improves long-term kikuyu control with the various autumn treatments giving 90-100% control compared to the untreated.

This summer we will examine lower Tribute rates and tank mixtures.

### Treatments and Results

No	Chemical	Rate	Date	% Kikuyu Control 4/9/2012
1.	Untreated Control	-	-	0%
2.	MSMA Tribute Tribute	3.3L/ha 2L/ha 2L/ha	23/12/2011 5/1/2012 19/1/2012	29%
3.	MSMA Tribute Tribute MSMA Tribute	3.3L/ha 2L/ha 2L/ha 3.3L/ha 2L/ha	23/12/2011 5/1/2012 19/1/2012 24/4/2012 3/5/2012	90%
4.	MSMA Tribute Tribute MSMA Tribute Tribute	3.3L/ha 2L/ha 2L/ha 3.3L/ha 2L/ha 2L/ha	23/12/2011 5/1/2012 19/1/2012 24/4/2012 3/5/2012 15/5/2012	100%
5.	MSMA Tribute Tribute Tribute	3.3L/ha 2L/ha 2L/ha 2L/ha	23/12/2011 5/1/2012 19/1/2012 24/4/2012	93%
6.	MSMA Tribute Tribute Tribute Tribute	3.3L/ha 2L/ha 2L/ha 2L/ha 2L/ha	23/12/2011 5/1/2012 19/1/2012 24/4/2012 3/5/2012	95%

MSMA (800g/L)

Water Rate: 395L/ha



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No	Chemical	Rate	Date	
1	Untreated Control	-	-	
2	MSMA Tribute Tribute	3.3L/ha 2L/ha 2L/ha	23/12/2012 5/1/2012 19/1/2012	
3	MSMA Tribute Tribute MSMA Tribute	3.3L/ha 2L/ha 2L/ha 3.3L/ha 2L/ha	23/12/2012 5/1/2012 19/1/2012 24/4/2012 3/5/2012	
4	MSMA Tribute Tribute MSMA Tribute Tribute	3.3L/ha 2L/ha 2L/ha 3.3L/ha 2L/ha 2L/ha	23/12/2012 5/1/2012 19/1/2012 24/4/2012 3/5/2012 15/5/2012	
5	MSMA Tribute Tribute Tribute	3.3L/ha 2L/ha 2L/ha 2L/ha	23/12/2012 5/1/2012 19/1/2012 24/4/2012	
6	MSMA Tribute Tribute Tribute Tribute	3.3L/ha 2L/ha 2L/ha 2L/ha 2L/ha	23/12/2012 5/1/2012 19/1/2012 24/4/2012 3/5/2012	

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### Tribute for Parramatta Grass control

In 2011 trials were done using a herbicide programme of MSMA followed by Tribute followed by Tribute for the control of Parramatta grass. These trials were on plants which were grown in pots. The trials showed;

- Spraying in September didn't give good weed control
- Spraying in December-January gave good weed control

It seems better results can be achieved in the warmer months of the year.

A field trial was established in February-March with the same spray programme.

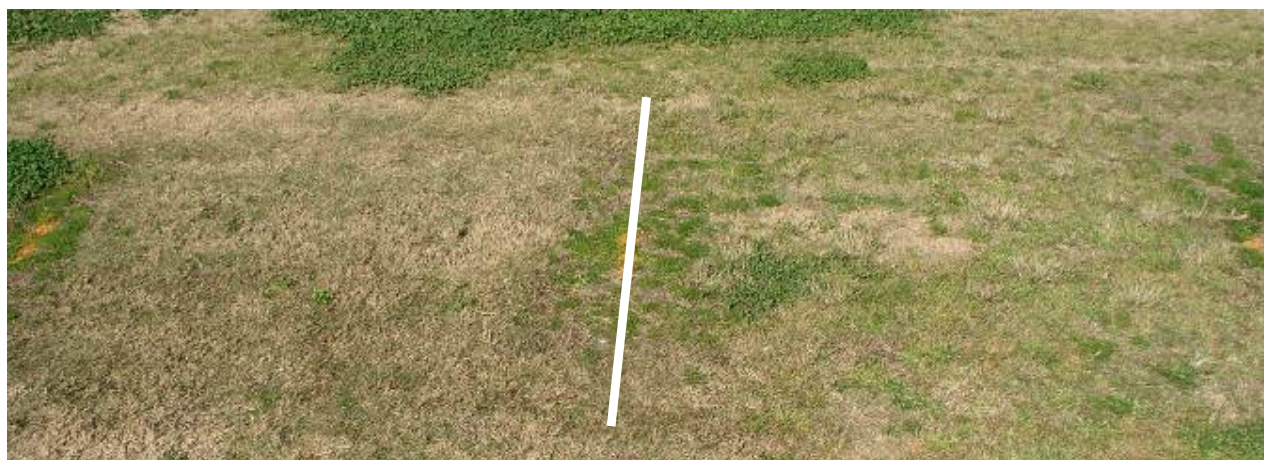
#### Treatments

No	Chemical	Rate	Date
1	Untreated Control	-	-
2	MSMA + NIS	3.3 L/ha	17/2/2012
	Tribute	2 L/ha	24/2/2012
	Tribute	2 L/ha	7/3/2012

NIS=Non-ionic surfactant      Water Rate: 395L/ha

The results show good suppression of Parramatta grass but full control was not achieved. The photograph below shows large Parramatta grass plants in the untreated plot on the right compared to the treated plot on the left.

This summer, trials will focus on treatment application over the warmer summer months.



MSMA-Tribute-Tribute Spray Programme

Untreated Control