

Disclaimer:

This document is based on the results from an individual trial and may contain experimental use patterns that are currently off-label. **This document does not provide any interpretation and should not be taken as an endorsement of any unregistered use pattern.**

Professional advice should be sought for specific recommendations to ensure access to the most up to date information and knowledge.

Any product referred to in this document must be used strictly as directed, and in accordance with all label or permit instructions. Always consult the label prior to use.

Aphid Management in Cereals

Trial ID: CFT0904

Location:

Edgeroi

Trial Year:

2009

Investigator:

Clare Felton-Taylor

Objective:	To evaluate the impact and control of aphids in barley
Planting Date:	14/05/2009
Fungicide Seed Treatment:	triadimenol at 22.5 g ai/100 kg seed on all treatments
Foliar Insecticide Applications:	Not applied as thresholds never reached
Keywords:	Aphid, barley

Table 1: Crop Results

Trt No.	Variety	Seed Treatment Insecticide/ 100 kg Seed	Foliar Insecticide /ha	Intended Foliar Application Timing	Emergence 28/05/2009 14 DAP Plants/m ²	Yield 23/10/2009 162 DAP t/ha
1	Grout	-	-	-	107	3.56abcd
2	Grout	imidacloprid 72 g ai	-	-	108	3.72ab
3	Grout	imidacloprid 144 g ai	-	-	103	3.75a
4	Grout	-	Not applied	T1	111	3.63abc
5	Grout	-	Not applied	T2	102	3.64abc
6	Grout	-	Not applied	T3	101	3.58abcd
7	Grout	imidacloprid 72 g ai	Not applied	T2	103	3.68ab
8	Grout	imidacloprid 144 g ai	Not applied	T1, T2 , T3	106	3.78a
9	Fitzroy	-	-	-	114	3.24ef
10	Fitzroy	imidacloprid 72 g ai	-	-	103	3.51bcd
11	Fitzroy	imidacloprid 144 g ai	-	-	99	3.39def
12	Fitzroy	-	Not applied	T1	98	3.38def
13	Fitzroy	-	Not applied	T2	103	3.19f
14	Fitzroy	-	Not applied	T3	100	3.43cde
15	Fitzroy	imidacloprid 72 g ai	Not applied	T2	106	3.42cdef
16	Fitzroy	imidacloprid 144 g ai	Not applied	T1, T2 , T3	108	3.37def
P=					0.95	0.00
LSD=					nsd	0.23

Yield cv = 4.6%

nsd = No significant difference

DAP = Days after Planting

Treatment means followed by the same letter are not significantly different at P = 0.05

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Table 2: Aphid Control

Trt No.	Variety	Seed Treatment Insecticide/ 100 kg Seed	Foliar Insecticide /ha	Foliar Application Timing	21/07/2009 68 DAP Aphids/Plant	5/08/2009 83 DAP Aphids/Plant	12/08/2009 90 DAP		
							Oat Aphids/Plant	Corn Aphids/Plant	Rose-Grain Aphids/Plant
1	Grout	-	-	-	9.2a	3.0b	2.7a	0.8b	0.2
2	Grout	imidacloprid 72 g ai	-	-	0.1 b	0.9c	1.4b	0.0c	0.1
3	Grout	imidacloprid 144 g ai	-	-		0.6c	0.8b	0.0c	0.0
9	Fitzroy	-	-	-	10.2a	4.8a	0.7b	3.9a	0.3
10	Fitzroy	imidacloprid 72 g ai	-	-	0b	0.1c	1.3b	0.0c	0.4
11	Fitzroy	imidacloprid 144 g ai	-	-		0.1c	1.4b	0.0c	0.0
P=					0.06	0.00	0.05	0.00	0.52
LSD=					7.4 (10%)	0.4	1.0 (10%)	0.4	nsd