

GENERAL DETAILS			
Date:	08/07/2015	Co-operator:	Jono & David Phelps
Farm:	Havana	Field:	Field 4 1m solid irrigated
Location:	Merah North	Previous Crop:	Vetch (Winter 2013)
Contact Name:	Keiran Knight BET	Crop and Variety:	Cotton Sicot 74BRF Pure seed
Phone No:	02 67955114	Nitrogen Pre Plant:	240Kg N/Ha Urea
Mobile No:	0429 955114	Planted:	17/10/2014 13 seeds metre
Email:	kknight@bestenvirotech.com	Nitrogen Post Plant:	60Kg N/Ha Urea
		Trace Elements:	400g/Ha Zinc post plant
Trial areas:	TM treatment 31.77 Ha Control 32.50 Ha	Trial Layout:	24 metre replicates of TM and Control
TM Treatments:	1 st 2/10/2015 TM 500ml/Ha 2 nd 10/11/2015 TM 250ml/Ha	Irrigations:	8
Control Treatments:	NIL	Harvested:	17/04/2015

TM TREATMENT – HAVANA 2015 – 31.77 Ha										
Grade		Staple					Micronaire Summary		Strength Summary (GPT)	
Colour	Leaf	<35	36	37	38>	Total	4.6 – 4.9	223	28.0 – 28.9	11
		1 3/32"	1 1/8"	1 15/32"	1 13/16"		3.8 – 4.5	227	29.0 – 31.9	439
21 SM	1	0	0	0	0	0				
21 SM	2	0	0	0	0	0	Total	450	Total	450
21 SM	3	0	0	1	246	247	Uniformity Summary		Short Fibre Index Summary	
31 MID	1	0	0	0	0	0	80 & Below	5	Above 12	2
31 MID	2	0	0	0	0	0	Above 80	445	12 & Below	448
31 MID	3	0	0	2	201	203				
	Total	0	0	3	447	450	Total	450	Total	450
TM Bales Received Premium						38				
TM Bales Received Premium HVI						35				

CONTROL – HAVANA 2015 – 32.50 Ha										
Grade		Staple					Micronaire Summary		Strength Summary (GPT)	
Colour	Leaf	<35	36	37	38>	Total	4.6 – 4.9	176	28.0 – 28.9	3
		1 3/32"	1 1/8"	1 15/32"	1 13/16"		3.8 – 4.5	277	29.0 – 31.9	450
21 SM	1	0	0	0	0	0				
21 SM	2	0	0	0	0	0	Total	453	Total	453
21 SM	3	0	0	0	0	0	Uniformity Summary		Short Fibre Index Summary	
31 MID	1	0	0	0	0	0	80 & Below	6	Above 12	1
31 MID	2	0	0	0	0	0	Above 80	447	12 & Below	452
31 MID	3	0	0	6	447	453				
	Total	0	0	6	447	453	Total	453	Total	453
Control Bales Received Premium						0				
Control Bales Received Premium HVI						6				

SUMMARY

- Yield from the Control area was 14.02 bales/Ha.
- Yield from the TM treated area was 14.23 bales/Ha, 0.21 bales/Ha higher than the Control.
- Turnout for the TM treated area was 43.51% v 43.08% from the Control area.
- Returns from the TM treated area showed an increase of \$106.11 Ha over the Control from increased yield (\$105), and \$1.11 Ha from improved grades.
- There were no quality discounts for either area.
- Out of 450 bales from the TM treatment, 247 were colour 21 (55%) compared to the Control's zero, and of these 247, 38 had a premium of approximately \$0.93 a bale.
- Except for colour, all quality parameters between the trials were consistent.
- A different picker harvested each trial on the same day (17/04/2015 with two JD7760 balers), and were ginned on the same day (10/06/2015) in consecutive runs at Auscott's Narrabri gin.
- Avoiding 'below base grade' is becoming more important as discounts are increasing in severity. As the below Table illustrates, a reduction in colour grade from a **31-3-37** to a **41-3-37** will result in a discount of **\$1,073/Ha** from a **14b/Ha crop**. This is the cash equivalent of a **2.15 bale/Ha reduction in yield**.

PRICE SENSITIVITY ANALYSIS – CHANGES IN GRADE									
	2 LEAF			3 LEAF			4 LEAF		
GRADE	US PTS/LB	A\$ P or D PER BALE	14 b/Ha P or D	US PTS/LB	A\$ P or D PER BALE	14 b/Ha P or D	US PTS/LB	A\$ P or D PER BALE	14 b/Ha P or D
2137	25	\$1.67	\$23.33	15	\$1.00	\$14.00	-500	-\$33.33	-\$466.67
3137	0	\$0.00	\$0.00	0	\$0.00	\$0.00	-600	-\$40.00	-\$560.00
4137	-1050	-\$70.00	-\$980	-1150	-\$76.67	-\$1,073	-1250	-\$83.33	-\$1,167

Assumptions

1. \$500 a bale (AUD)
2. AUD 0.75
3. Common Merchant Premium & Discount Table
4. Base grade of 31-3-37 and 3.8-4.9 micronaire, with premiums paid only for quality grade and staple within the 3.8-4.5 micronaire range, and with strength of GPT 30 or more.