

# SRDC Grower Group Innovation Project

## Final Report

**SRDC project number:** GGP 048

**Project title:** Better targeting new cultivars

**Group name:** Varieties for the North

**Contact person:** Allan Rudd

**Due date for report:** 1 Feb 2012

**Funding Statement:** This project was conducted by Varieties for the North in association with the Sugar Research and Development Corporation (SRDC). SRDC invests funds for sugar R&D derived from the sugar industry and the Australian Government.



Australian Government  
Sugar Research and  
Development Corporation

The Varieties for the North is not a partner, joint venturer, employee or agent of SRDC and has no authority to legally bind SRDC, in any publication of substantive details or results of this Project.

## **Body of Report**

### **Executive Summary:**

(An overview of the aim, conduct, key results and learnings from the project. Maximum 500 words)

**Aim:** Better targeting of new cultivars for soil types/environments not covered by BSES.

**Conduct:** Trials with advanced clones and other best bet's were planted in 2009, 2010 & 2011 were planted in both the Mossman and Tableland mill areas. The 2009 trials were assessed in 2010 and 2011 and the 2010 trials assessed in 2011. Ten overseas clones with a degree of smut resistance were included in the Mossman trial at the request of the local industry.

**Key Results:** Provided key personnel and district growers with yield data supporting recently released and prospective varieties on local soil types and in local environments. No overseas clones warranted further testing.

**Key Learnings:** Data obtained was a factor in the providing local growers with the confidence to rapidly adopt new varieties.

### **Background:**

(Why did you need to do this project?)

BSES Limited core variety trial program did not extend into the 2 areas. In Mossman's case the problem of very low productivity particularly needed to be addressed. The Tableland presented a very different set of environmental conditions to those being covered under the BSES core program.

### **Aims:**

(Include the Aim and the expected benefits that were listed in Section 2 of your original Application)

The major aim of the program was to better target emerging clones for soil types/environments not covered by BSES Limited's core trial program. This was expected to improve productivity in the participating areas over time

### **Methodology:**

(How was the project conducted?)

Replicated variety trials were planted in each year 2009 to 2011 in the Tableland and Mossman mill areas. The 2009 series was assessed as plant cane in 2010 and as 1<sup>st</sup> ratoon in 2011. The 2010 series was assessed as plant cane in 2011. Note: It is intended that trials will continue to be planted and assessed for at least a further 5 years.

Assessment included regular inspections to assess germination speed, growth rates etc with a major assessment at harvest. Data collected at harvest included cane yield (utilising a weigh truck), ccs, and appearance grades.

### **Results and Outputs:**

(What results were produced by the Project? The results should include data collected, articles or reports written, events held and anything else you see as relevant to the industry. Relevant files including photographs should be provided on a CD. )

Data was collected at harvest of the 2009 series trials (plant and 1<sup>st</sup> ratoon) and the 2010 series (plant cane for the two participating regions. This data was collated and analysed by BSES and presented in Variety Data Files. The relevant variety data files are provided on a CD labelled GGP084 Variety Project.

## **Intellectual Property and Confidentiality:**

(If there is any protected Project Technology, eg information that has been kept confidential, such as equipment specifications, patentable knowledge please outline. Is there anything in this report that should be treated as confidential, and if so under what circumstances?)

No

### **Capacity Building:**

(How has the Group's capacity to conduct R&D and implement better farming systems been enhanced?)

The group now has the capacity, with machinery and expertise, to continue to conduct this project for at least 5 years. This capacity can be extended to other R&D opportunities which may arise in the future.

### **Outcomes:**

(What benefits have been achieved or are expected from the project, and what more has to happen to get the full benefit from the project? How do the expected benefits compare with those predicted at the start of the project, as outlined in the Application?)

Direct benefits from a variety trial project are difficult to quantify in the 2-3 year term of the project and the full benefits of the project will be realised over the longer term as these trials are continued utilising the capacity built by the group. The benefits predicted in the application, *better targeting of varieties to the soils/environments resulting in improved productivity* are yet to be fully realised.

Quicker adoption of valuable varieties is expected to be a major benefit to the Northern mill areas as growers confidence is increased by local testing of new clones.

In the case of the Tablelands, this is highlighted by the outstanding performance of Q241<sup>A</sup> and QN00-1511 in both TAB09-37 and TAB10-37. Without the data from these trials, advisory staff and growers would have no knowledge as to how these two varieties are likely to perform in comparison to existing commercial varieties or other new varieties that are released simultaneously. This results in slower adoption as growers grapple with making variety choices based solely on appearance in on-farm propagations. With the hard data from these trials, advisory staff can promote these two varieties with confidence and quash any fears growers might develop based on their qualitative on-farm observations.

The other notable outcome from these trials has been the marked difference in variety performance between Arriga (Tableland site) and Mossman. A number of varieties that performed extremely well at Arriga (Q241<sup>A</sup>, Q200<sup>A</sup>, TC5 and QN00-919), did not perform as well at Mossman. And, a number of varieties that performed well at Mossman (QN01-303, Q237<sup>A</sup>, QN01-576) did not perform as well at Arriga. The differential performance of varieties across these two sites vindicates local industry concerns about the ability of BSES Limited's coastal based FAT program to identify varieties suitable for the full irrigation environment of the Tableland. Continuation of these GGIP trials can only improve variety choice for the Tableland leading to future productivity gains.

### **Environmental Impact:**

(Outline any adverse or beneficial environmental impacts of conducting the Project and/or implementing its findings)

Nil

### **Communication and Adoption of Outputs:**

(Outline any communication activities that have been conducted and any that are planned. How has SRDC been acknowledged or involved? Have any lessons from the project been applied by members of the Group, or others?)

Plant cane results were presented to Mossman grower at a shed meeting held in January 2011. A copy of the relevant power point presentation is included on the GGP084 CD. GGIP staff attended this shed meeting and presented information on significant GGIP projects.

Trial results were disseminated to Tableland growers via the BSES BITS page in the monthly Tableland Canegrowers newsletter. Growers were also able to inspect TAB09-37 prior to harvest of the plant crop during an intra-district bus trip in 2010. Another bus trip involving inspections of TAB09-37 and TAB10-37 is planned for April 2012. This group extension activity provides an ideal opportunity for growers to review results and make conclusions about which varieties to concentrate on planting during the next couple of years.

**Recommendations:**

(What recommendations would you make as a result of the project, including suggestions for further research and development?)

To fully realise the benefits it is imperative that the trial program initiated under the project be continued into the future. With the restructuring of R,D&E services in the sugar industry it will become more important that groups have the capacity to assess variety performance under local environmental conditions.

**Publications:**

(List and attach copies (electronically if possible) of all articles, newsletters and other publications from the project)

BSES BITS Sept10 and BSES BITS Sept11



# VARIETY DATA FILE

## 2011

*(Trials included in this Variety Data File)*

Northern 2010 RVT



## Smut < 6.5

1. QN00-1511

(QN79-183 x QN89-1043)

### Summary of Ratings

<b>Pathology Testing</b> (Disease, Avg Rating, No. of Tests, Individual Results)			
Fiji Leaf Gall: 6 (2)	Floc: 5 (2)	Leaf Scald: 3 (2)	Mosaic: 1 (1)
a(6, 6)	c(5, 4)	a(3) b(1)	a(1)
Pachymetra: 5 (5)	Red Rot: 6 (1)	Smut: 3 (4)	
a(9, 4, 4, 3, 4)	a(6)	a(4, 1) b(1, 4)	
<b>Current Trials:</b> Fiji Leaf Gall (FDGH11-05) Smut (SMB11-5) Leaf Scald (LS11-172)			

### Summary of Performance - BLUPS (Diff to stds)

TCH    1.8        CCS    1.1        Fibre                    AppGr    0.1

#### Selection Status/Comments (by region)

C: CATProp - Floc ISE 09  
 A: FAT\_H - .  
 S: FATProp - TS>12FAT; ISE 2011  
 N: MaxProp - 2006 N FAT - Advance to max.prop in 2011 for release in 2012  
 New Status/Comments?

#### Pending selection trial results (by region)

From Routine Trials	From Optional Trials	In Plant Propagation?	In Ratoon Propagation?
N(7) H(2) A(6)		Yes	Yes

### Detailed Trial Results

#### 2010 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	76 (74) {5}	19.0 (17.9) {2}	12.5 (12.5) {1}	9.9 (9.9) {6}	11.66 {1}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	76 (74)	19.0 (17.9)	12.5 (12.5)	9.9 (9.9)	11.66

**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 3 (1)                      Pachymetra: 2 (2)                      Smut: 3 (3)  
 a(3)                                      a(2, 2)                                      b(1, 4, 4)

**Current Trials:** Fiji Leaf Gall (FDGH11-04) Floc (RAC10-71\_F, RAC10-72\_F)**Summary of Performance - BLUPS (Diff to stds)**

TCH	-1.3	CCS	0.9	Fibre	AppGr	0.1
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**Selection Status/Comments (by region)**

S: FAT - 11FAT; ex ISE 2010

W: FAT - CND11-3p

H: FAT\_D - VSM 2011

N: FAT\_T - 2008 N FAT - TS in 2010

A: FATProp - .

C: FATProp - RAC10-P4; ISE Herb 10

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials

N(4) H(3) S(4)

From Optional Trials

In Northern  
Plant Propagation?  
No

In Northern  
Ratoon Propagation?  
Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	73 (74) {12}	18.8 (17.9) {3}	12.5 (12.5) {1}	10.0 (9.9) {5}	11.31 {2}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	73 (74)	18.8 (17.9)	12.5 (12.5)	10.0 (9.9)	11.31

**Summary of Ratings**

<b>Pathology Testing</b> (Disease, Avg Rating, No. of Tests, Individual Results)			
Brown Rust: 1 (1)	Fiji Leaf Gall: 5 (2)	Floc: 4 (15)	HES-H: 5 (4)
FIXED RATING	FIXED RATING	(n >= 8)	d(5, 6, 5, 4)
HES-N: 5 (3)	HES-S: 3 (4)	HES-W: 5 (8)	Leaf Scald: 2 (2)
d(4, 4, 7)	d(4, 2, 4, 3, 2, 3)	(n >= 8)	FIXED RATING
Mosaic: 2 (2)	Orange Rust: 2 (2)	Pachymetra: 5 (3)	Red Rot: 3 (1)
FIXED RATING	FIXED RATING	FIXED RATING	FIXED RATING
RSD: 1 (2)	Smut: 3 (25)	Yellow Spot: 4 (2)	
FIXED RATING	FIXED RATING	a(2, 5)	

**Current Trials:** None

**Summary of Performance - BLUPS (Diff to stds)**

TCH 3.5 CCS 0.4 Fibre AppGr 0.2

**Selection Status/Comments (by region)**

H: Released  
 A: Released - .  
 S: Released - 04FAT  
 C: Released - Prop RAC10-P1; STD  
 N: Released - Q  
 W: Released - Rel 07  
 New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(12) H(13) A(3) C(14) S(11) W(5)		Yes	Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	78 (74) {3}	18.3 (17.9) {5}	12.5 (12.5) {1}	10.0 (9.9) {1}	10.89 {3}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	78 (74)	18.3 (17.9)	12.5 (12.5)	10.0 (9.9)	10.89



**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 3 (1)                      Pachymetra: 3 (2)                      Smut: 3 (3)  
 a(3)                                      a(4, 2)                                      b(1, 4) c(4)

**Current Trials:** Fiji Leaf Gall (FDGH11-04) Mosaic (MOS11-61) Smut (SMB11-6) Red Rot (RR11-62) Leaf  
 Scald (LS11-172) Floc (RAC10-71\_F, RAC10-72\_F)

**Summary of Performance - BLUPS (Diff to stds)**

TCH -13.8      CCS 1.4      Fibre                      AppGr -0.1

**Selection Status/Comments (by region)**

S: FAT - 11FAT; ex ISE 2010

A: FAT - Not enough cane Reprop 2011

H: FAT\_H - VSM 2011

N: FAT\_T - 2008 N FAT - TS in 2010

W: FATProp

C: FATProp - 2011FAT

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials  
 N(4) H(7) S(4)

From Optional Trials

In Northern  
 Plant Propagation?  
 No

In Northern  
 Ratoon Propagation?  
 Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	61 (74) {24}	19.2 (17.9) {1}	12.5 (12.5) {1}	9.8 (9.9) {10}	10.87 {4}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	61 (74)	19.2 (17.9)	12.5 (12.5)	9.8 (9.9)	10.87

**Summary of Ratings**

<b>Pathology Testing</b> (Disease, Avg Rating, No. of Tests, Individual Results)			
Brown Rust: 1 (1)	Fiji Leaf Gall: 4 (5)	Floc: 7 (11)	HES-S: 5 (2)
FIXED RATING	FIXED RATING	(n >= 8)	d(6, 4)
HES-W: 6 (2)	Leaf Scald: 2 (3)	Mosaic: 4 (2)	Orange Rust: 2 (1)
d(5, 7)	FIXED RATING	FIXED RATING	FIXED RATING
Pachymetra: 1 (3)	Red Rot: 3 (2)	RSD: 8 (1)	Smut: 1 (5)
FIXED RATING	FIXED RATING	a(8)	FIXED RATING
Yellow Spot: 2 (1)			
FIXED RATING			
<b>Current Trials:</b> None			

**Summary of Performance - BLUPS (Diff to stds)**

TCH 1.4 CCS 0.4 Fibre AppGr 0.1

**Selection Status/Comments (by region)**

C: Accelerated - FAT07

W: Discard - D VM 09

S: FAT\_D - DFI; 05FAT

A: FAT\_D - rEGV

H: FAT\_D - VSM 2011

N: Released - Released in 2010 in all northern mill areas except Mulgrave Mill. Smut 1. High floc 7 (9;9;9;7;2).

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials

N(12) H(1) A(4)

From Optional Trials

In Northern  
Plant Propagation?

Yes

In Northern  
Ratoon Propagation?

Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV <small>{rank}</small>
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	76 (74) <sup>{6}</sup>	18.2 (17.9) <sup>{9}</sup>	12.5 (12.5) <sup>{1}</sup>	9.9 (9.9) <sup>{8}</sup>	10.78 <sup>{6}</sup>
Q183 is not the correct Q183.						
Trial Means Of	All Crops	76 (74)	18.2 (17.9)	12.5 (12.5)	9.9 (9.9)	10.78

**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 3 (1)                      Pachymetra: 3 (2)                      Smut: 4 (3)  
 a(3)                                      a(4, 2)                                      b(4, 4) c(4)

**Current Trials:** Fiji Leaf Gall (FDGH11-04) Floc (RAC10-71\_F, RAC10-72\_F)**Summary of Performance - BLUPS (Diff to stds)**

TCH	-5.8	CCS	0.7	Fibre	AppGr	0.1
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**Selection Status/Comments (by region)**

S: FAT - 11FAT; ex ISE 2010

A: FAT - 2011 FAT

W: FAT - CND11-3p

H: FAT\_H - VSM 2011

N: FAT\_T - 2008 N FAT - TS in 2010

C: FATProp - RAC10-P4; ISE Herb 10

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials

N(4) H(7) A(3) S(4)

From Optional Trials

In Northern  
Plant Propagation?

No

In Northern  
Ratoon Propagation?

Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	69 (74) {17}	18.6 (17.9) {4}	12.5 (12.5) {1}	10.0 (9.9) {5}	10.69 {7}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	69 (74)	18.6 (17.9)	12.5 (12.5)	10.0 (9.9)	10.69

**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Fiji Leaf Gall: 4 (1)	Floc: 2 (2)	Leaf Scald: 3 (2)	Mosaic: 1 (1)
a(4)	c(2, 2)	a(3) b(1)	a(1)
Pachymetra: 1 (2)	Red Rot: 4 (1)	Smut: 4 (4)	
a(1, 1)	a(4)	a(1, 6) b(5, 4)	

**Current Trials:** None**Summary of Performance - BLUPS (Diff to stds)**

TCH	3.1	CCS	0.1	Fibre	AppGr	0.1
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**Selection Status/Comments (by region)**

C: CATProp - RAC09-P3 ISE 09

S: FAT - 11FAT; ex ISE 2009

N: FAT\_H - 2007 N FATs -Hold pending more FAT (2010) results. Declining TCH in ratoon crops.

H: FAT\_H - VSM 2011

W: FATProp

A: FATProp - 2011 FAT

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(8) H(7) A(3) S(4) W(1)		Yes	Yes

**Detailed Trial Results**

## 2010 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	78 (74) {4}	18.0 (17.9) {12}	12.5 (12.5) {1}	10.0 (9.9) {3}	10.64 {8}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	78 (74)	18.0 (17.9)	12.5 (12.5)	10.0 (9.9)	10.64

**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Fiji Leaf Gall: 3 (2)	Floc: 3 (2)	Leaf Scald: 6 (2)	Mosaic: 1 (1)
a(4, 1)	c(3, 3)	a(6) b(1)	a(1)
Pachymetra: 2 (4)	Red Rot: 6 (1)	Smut: 4 (4)	
a(1, 4, 3, 1)	a(6)	a(1, 6) b(1) c(8)	

**Current Trials:** Fiji Leaf Gall (FDGH11-05) Smut (SMB11-5) Leaf Scald (LS11-172)

**Summary of Performance - BLUPS (Diff to stds)**

TCH -2.3 CCS 0.4 Fibre AppGr 0.2

**Selection Status/Comments (by region)**

C: CATProp - ISE 09 prop

A: FAT - .

S: FAT - 11FAT; ex ISE 2009

H: FAT\_T - VSM 2011

W: FATProp

N: MaxProp - 2007 N FATs- Advance in 2011 to max.prop for release in 2012

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(8) H(6) A(4) S(4)		Yes	Yes

**Detailed Trial Results**

## 2010 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	72 (74) <sup>{13}</sup>	18.3 (17.9) <sup>{6}</sup>	12.5 (12.5) <sup>{1}</sup>	10.0 (9.9) <sup>{2}</sup>	10.48 <sup>{9}</sup>
Q183 is not the correct Q183.						
Trial Means Of	All Crops	72 (74)	18.3 (17.9)	12.5 (12.5)	10.0 (9.9)	10.48

**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 3 (1)                      Pachymetra: 6 (2)                      Smut: 3 (3)  
 a(3)                                      a(8, 4)                                      b(1, 4) c(8)

**Current Trials:** Fiji Leaf Gall (FDGH11-04, FDGH11-05) Mosaic (MOS11-61) Smut (SMB11-5, SMB11-6)  
 Red Rot (RR11-62) Leaf Scald (LS11-172) Floc (RAC10-71\_F, RAC10-72\_F)

**Summary of Performance - BLUPS (Diff to stds)**

TCH 0.8      CCS 0.4      Fibre                      AppGr 0.1

**Selection Status/Comments (by region)**

N: Accelerated - 2008 N FAT - Accelerate to CPS in 2011 pending L Scald and Pachymetra results.

H: Accelerated - VSM 2011 waiting on smut

S: FAT - 11FAT; ex ISE 2010

A: FAT - 2011 FAT

W: FAT - CND11-3p

C: FATProp - RAC10-P4; ISE Herb 10

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials  
 N(4) H(8) A(1) S(4)

From Optional Trials

In Northern  
 Plant Propagation?  
 Yes

In Northern  
 Ratoon Propagation?  
 Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	75 (74) {8}	18.3 (17.9) {8}	12.5 (12.5) {1}	10.0 (9.9) {5}	10.48 {5}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	75 (74)	18.3 (17.9)	12.5 (12.5)	10.0 (9.9)	10.48

**Summary of Ratings**

<b>Pathology Testing</b> (Disease, Avg Rating, No. of Tests, Individual Results)			
Fiji Leaf Gall: 9 (2)	Floc: 6 (13)	HES-S: 8 (2)	Leaf Scald: 4 (2)
FIXED RATING	(n >= 8)	d(9, 8)	FIXED RATING
Mosaic: 4 (1)	Orange Rust: 2 (1)	Pachymetra: 2 (4)	Red Rot: 3 (1)
a(4)	FIXED RATING	FIXED RATING	FIXED RATING
RSD: 2 (1)	Smut: 4 (4)	Yellow Spot: 5 (1)	
a(2)	FIXED RATING	a(5)	

**Current Trials:** None

**Summary of Performance - BLUPS (Diff to stds)**

TCH	0.6	CCS	0.1	Fibre	AppGr	0.0
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**Selection Status/Comments (by region)**

- A: Accelerated - Isolation Plot
- C: CAT\_D - dFJ
- S: CAT\_D - Not planted into 06FAT; DF
- W: Discard
- H: Released
- N: Released - Q

New Status/Comments? .....

**Pending selection trial results (by region)**

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(10) H(3)		Yes	Yes

**Detailed Trial Results**

2010 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	75 (74) {9}	17.9 (17.9) {13}	12.5 (12.5) {1}	9.9 (9.9) {9}	10.25 {11}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	75 (74)	17.9 (17.9)	12.5 (12.5)	9.9 (9.9)	10.25

**Summary of Ratings**

<b>Pathology Testing</b> (Disease, Avg Rating, No. of Tests, Individual Results)			
Brown Rust: 1 (1)	Fiji Leaf Gall: 5 (3)	Floc: 5 (12)	HES-A: 9 (1)
FIXED RATING	FIXED RATING	(n >= 8)	d(9)
HES-S: 6 (8)	HES-W: 5 (12)	Leaf Scald: 3 (3)	Mosaic: 1 (1)
(n >= 8)	(n >= 8)	FIXED RATING	FIXED RATING
Pachymetra: 5 (5)	Red Rot: 3 (1)	RSD: 8 (1)	Smut: 2 (5)
FIXED RATING	FIXED RATING	a(8)	FIXED RATING

**Current Trials:** Smut (SMB11-4)

**Summary of Performance - BLUPS (Diff to stds)**

TCH 0.4 CCS 0.3 Fibre AppGr -0.5

**Selection Status/Comments (by region)**

H: Released  
 N: Released  
 S: Released - 2006 FAT  
 W: Released - Included in AAT 10  
 C: Released - Prop RAC10-P1; STD; Floc STD?  
 A: Released - Released  
 New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(12) H(13) A(16) C(15) S(19) W(12)		Yes	Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	75 (74) <sup>{10}</sup>	18.2 (17.9) <sup>{11}</sup>	12.5 (12.5) <sup>{1}</sup>	9.4 (9.9) <sup>{14}</sup>	10.19 <sup>{10}</sup>
Q183 is not the correct Q183.						
Trial Means Of	All Crops	75 (74)	18.2 (17.9)	12.5 (12.5)	9.4 (9.9)	10.19



**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 3 (1)                      Pachymetra: 4 (1)                      Smut: 1 (2)  
 a(3)                                      a(4)                                      b(1) c(4)

**Current Trials:** Fiji Leaf Gall (FDGH11-04) Floc (RAC10-71\_F, RAC10-72\_F)**Summary of Performance - BLUPS (Diff to stds)**

TCH    -5.9            CCS    0.4            Fibre                      AppGr    0.1

**Selection Status/Comments (by region)**

S: FAT - 11FAT; ex ISE 2010

W: FAT - CND11-3p

H: FAT\_D - VSM 2011

N: FAT\_T - 2008 N FAT - TS in 2010

A: FATProp - .

C: FATProp - RAC10-P4; ISE Herb 10

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials

N(4) H(4) S(4)

From Optional Trials

In Northern  
Plant Propagation?

No

In Northern  
Ratoon Propagation?

Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	68 (74) {18}	18.3 (17.9) {7}	12.5 (12.5) {1}	10.0 (9.9) {5}	10.14 {12}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	68 (74)	18.3 (17.9)	12.5 (12.5)	10.0 (9.9)	10.14

**Summary of Ratings**

**Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 3 (1)                      Pachymetra: 2 (1)                      Smut: 3 (3)  
 a(3)    a(2)    b(1, 4, 4)

**Current Trials:** Fiji Leaf Gall (FDGH11-04) Floc (RAC10-71\_F, RAC10-72\_F)

**Summary of Performance - BLUPS (Diff to stds)**

TCH    -12.1            CCS    0.4            Fibre                      AppGr    0.1

**Selection Status/Comments (by region)**

N: FAT\_T - 2008 N FAT - TS in 2010

A: FATProp - .

C: FATProp - RAC10-P4; ISE Herb 10

S: FATProp - TS>12FAT; ISE 2011

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials  
 N(4) H(1)

From Optional Trials

In Northern  
 Plant Propagation?  
 No

In Northern  
 Ratoon Propagation?  
 Yes

**Detailed Trial Results**

2010 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	62 (74) {22}	18.2 (17.9) {10}	12.5 (12.5) {1}	10.0 (9.9) {5}	9.70 {14}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	62 (74)	18.2 (17.9)	12.5 (12.5)	10.0 (9.9)	9.70

**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 6 (1)                      Pachymetra: 1 (2)                      Smut: 3 (2)  
 a(6)                                      a(1, 1)                                      b(1, 4)

**Current Trials:** Fiji Leaf Gall (FDGH11-04) Floc (RAC10-71\_F, RAC10-72\_F)**Summary of Performance - BLUPS (Diff to stds)**

TCH	6.8	CCS	-0.6	Fibre	AppGr	0.1
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**Selection Status/Comments (by region)**

S: FAT - 11FAT; ex ISE 2010

W: FAT - CND11-31

H: FAT\_D - VSM 2011

N: FAT\_T - 2008 N FAT - TS in 2010

A: FATProp - .

C: FATProp - RAC10-P4; ISE Herb 10

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials

N(4) H(6) S(4) W(1)

From Optional Trials

In Northern  
Plant Propagation?  
No

In Northern  
Ratoon Propagation?  
Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	81 (74) {2}	17.2 (17.9) {20}	12.5 (12.5) {1}	10.0 (9.9) {5}	9.65 {13}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	81 (74)	17.2 (17.9)	12.5 (12.5)	10.0 (9.9)	9.65

**Summary of Ratings**

**Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 3 (1) Pachymetra: 2 (2) Smut: 3 (3)  
 a(3) a(1, 2) b(1, 4, 4)

**Current Trials:** Fiji Leaf Gall (FDGH11-04) Smut (SMB11-6) Floc (RAC10-71\_F, RAC10-72\_F)

**Summary of Performance - BLUPS (Diff to stds)**

TCH -6.4 CCS -0.1 Fibre AppGr 0.1

**Selection Status/Comments (by region)**

S: FAT - 11FAT; ex ISE 2010  
 W: FAT - CND11-3p  
 A: FAT - Not enough cane reprop 2011  
 H: FAT\_H - VSM 2011  
 N: FAT\_T - 2008 N FAT - TS in 2010  
 C: FATProp - RAC10-P4; ISE Herb 10  
 New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(4) H(6) S(4)		No	Yes

**Detailed Trial Results**

2010 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	68 (74) {19}	17.8 (17.9) {15}	12.5 (12.5) {1}	10.0 (9.9) {5}	9.55 {15}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	68 (74)	17.8 (17.9)	12.5 (12.5)	10.0 (9.9)	9.55

**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 3 (1)                      Pachymetra: 1 (2)                      Smut: 3 (3)  
 a(3)                                      a(1, 1)                                      b(1, 4) c(4)

**Current Trials:** Fiji Leaf Gall (FDGH11-04) Floc (RAC10-71\_F, RAC10-72\_F)**Summary of Performance - BLUPS (Diff to stds)**

TCH	-8.9	CCS	0.0	Fibre	AppGr	0.1
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**Selection Status/Comments (by region)**

S: FAT - 11FAT; ex ISE 2010

W: FAT - CND11-31

H: FAT\_D - VSM 2011

N: FAT\_T - 2008 N FAT - TS in 2010

A: FATProp - .

C: FATProp - RAC10-P4; ISE Herb 10

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials

N(4) H(6) S(4) W(1)

From Optional Trials

In Northern  
Plant Propagation?

No

In Northern  
Ratoon Propagation?

Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	65 (74) {21}	17.9 (17.9) {14}	12.5 (12.5) {1}	10.0 (9.9) {5}	9.45 {17}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	65 (74)	17.9 (17.9)	12.5 (12.5)	10.0 (9.9)	9.45

**Summary of Ratings**

<b>Pathology Testing</b>		(Disease, Avg Rating, No. of Tests, Individual Results)	
Fiji Leaf Gall: 5 (2)	Floc: 4 (5)	HES-S: 4 (13)	HES-W: 4 (7)
FIXED RATING	b(4, 4) c(4, 7, 7)	(n >= 8)	d(4, 5, 4, 4, 3, 3, 4)
Leaf Scald: 1 (3)	Mosaic: 1 (1)	Orange Rust: 1 (1)	Pachymetra: 5 (4)
a(1) b(2, 1)	FIXED RATING	FIXED RATING	FIXED RATING
Red Rot: 4 (2)	RSD: 2 (1)	Smut: 3 (10)	
a(3, 4)	a(2)	FIXED RATING	

**Current Trials:** None**Summary of Performance - BLUPS (Diff to stds)**

TCH	-2.9	CCS	-0.3	Fibre		AppGr	-0.2
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**Selection Status/Comments (by region)**

N: FAT - In 2009 FATs - poor plant crop

H: Released - Approved in 2009 but distributed to growers in 2010.

A: Released - harvest 08 FAT

W: Released - Included in AAT 10

C: Released - Release: Q232; 1/4 stick MAPs; 2010 Stick Plane Creek; 2 sticks Proserpine.

S: Released - Released 2007; 00/05FAT; 03MYB/RPT; 05AAT

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(11) H(12) C(6) S(18) W(8)		Yes	Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	71 (74) {14}	17.6 (17.9) {17}	12.5 (12.5) {1}	9.6 (9.9) {12}	9.10 {19}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	71 (74)	17.6 (17.9)	12.5 (12.5)	9.6 (9.9)	9.10

**Summary of Ratings**

<b>Pathology Testing</b>	(Disease, Avg Rating, No. of Tests, Individual Results)		
Fiji Leaf Gall: 6 (6)	Floc: 4 (9)	HES-S: 5 (6)	HES-W: 6 (6)
FIXED RATING	(n >= 8)	d(3, 6, 4, 5, 6, 5)	d(7, 7, 8, 7, 5, 5)
Leaf Scald: 1 (3)	Mosaic: 1 (1)	Orange Rust: 1 (5)	Pachymetra: 5 (3)
FIXED RATING	FIXED RATING	FIXED RATING	FIXED RATING
Red Rot: 3 (1)	RSD: 2 (1)	Smut: 3 (5)	
FIXED RATING	FIXED RATING	FIXED RATING	

**Current Trials:** None**Summary of Performance - BLUPS (Diff to stds)**

TCH	8.4	CCS	-0.9	Fibre	AppGr	-0.3
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**Selection Status/Comments (by region)**

H: Accelerated - 2009 Series VSM2011 possible release in 2013

N: FAT - In 2010 FATs

C: MaxProp - FAT10

A: MaxProp - Mother plot

W: Released - Release Hwd 2010; Limited Release Bwr 2010; Cnd 2011 (QS96-434)

S: Released - Released 2009; 02/06FAT; 06AAT/RPT

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(3) H(6) A(6) C(8) S(15) W(2)		Yes	Yes

**Detailed Trial Results**

## 2010 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	83 (74) {1}	16.9 (17.9) {22}	12.5 (12.5) {1}	9.6 (9.9) {13}	9.09 {18}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	83 (74)	16.9 (17.9)	12.5 (12.5)	9.6 (9.9)	9.09

**Summary of Ratings**

<b>Pathology Testing</b>		(Disease, Avg Rating, No. of Tests, Individual Results)			
Brown Rust: 2 (0)	Chlorotic Streak: 8 (1)	Fiji Leaf Gall: 4 (3)	Floc: 3 (11)		
FIXED RATING	FIXED RATING	FIXED RATING	(n >= 8)		
HES-C: 7 (1)	HES-S: 4 (5)	HES-W: 5 (2)	Leaf Scald: 1 (5)		
d(7)	d(5, 4, 5, 4, 3)	d(5, 6)	FIXED RATING		
Mosaic: 1 (2)	Orange Rust: 2 (2)	Pachymetra: 3 (4)	Red Rot: 4 (3)		
FIXED RATING	FIXED RATING	FIXED RATING	FIXED RATING		
RSD: 8 (1)	Smut: 2 (5)				
FIXED RATING	FIXED RATING				

**Current Trials:** Smut (SMB11-4)

**Summary of Performance - BLUPS (Diff to stds)**

TCH -8.2 CCS -0.3 Fibre AppGr 0.1

**Selection Status/Comments (by region)**

N: FAT - In 2010 FATs  
W: FAT\_R - AAT 11 ; CS 8  
A: MaxProp - Mother plot  
C: Released - Prop RAC10-P1  
S: Released - Released 2010/11; 07/09FAT; 09AAT  
H: Released - VSM 2010: Release in 2011 BSES & Repeat in 10 Series  
New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(7) H(10) A(4) C(8) S(8) W(1)		Yes	Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV <small>{rank}</small>
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	66 (74) <small>{20}</small>	17.5 (17.9) <small>{18}</small>	12.5 (12.5) <small>{1}</small>	10.0 (9.9) <small>{4}</small>	8.98 <small>{20}</small>
Q183 is not the correct Q183.						
Trial Means Of	All Crops	66 (74)	17.5 (17.9)	12.5 (12.5)	10.0 (9.9)	8.98



**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 3 (1)                      Pachymetra: 7 (3)                      Smut: 3 (3)  
 a(3)                                      a(7, 4, 9)                                      b(1, 4) c(4)

**Current Trials:** Fiji Leaf Gall (FDGH11-04, FDGH11-05) Mosaic (MOS11-61) Smut (SMB11-5, SMB11-6)  
 Red Rot (RR11-62) Leaf Scald (LS11-172) Floc (RAC10-71\_F, RAC10-72\_F)

**Summary of Performance - BLUPS (Diff to stds)**

TCH -5.0      CCS -0.1      Fibre                      AppGr -0.1

**Selection Status/Comments (by region)**

N: Accelerated - 2008 N FAT. Accelerate to CPS in 2011 pending L Scald and Pachymetra results.

S: FAT - 11FAT; ex ISE 2010

W: FAT - CND11-3p

A: FAT - Not enough cane Reprop 2011

H: FAT\_H - VSM 2011

C: FATProp - RAC10-P4; ISE Herb 10

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials  
 N(4) H(8) S(4)

From Optional Trials

In Northern  
 Plant Propagation?  
 Yes

In Northern  
 Ratoon Propagation?  
 Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	69 (74) {15}	17.8 (17.9) {16}	12.5 (12.5) {1}	9.8 (9.9) {10}	8.94 {16}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	69 (74)	17.8 (17.9)	12.5 (12.5)	9.8 (9.9)	8.94

**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 3 (1)                      Pachymetra: 1 (2)                      Smut: 3 (2)  
 a(3)                                      a(1, 1)                                      b(1, 4)

**Current Trials:** Fiji Leaf Gall (FDGH11-04) Floc (RAC10-71\_F, RAC10-72\_F)**Summary of Performance - BLUPS (Diff to stds)**

TCH    0.2                      CCS    -1.0                      Fibre                                      AppGr    -0.1

**Selection Status/Comments (by region)**

S: FAT - 11FAT; ex ISE 2010

W: FAT - CND11-3p

H: FAT\_D - VSM 2011

N: FAT\_T - 2008 N FAT - TS in 2010

A: FATProp - .

C: FATProp - RAC10-P4; ISE Herb 10

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials

N(4) H(3) S(4)

From Optional Trials

In Northern  
Plant Propagation?  
NoIn Northern  
Ratoon Propagation?  
Yes**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	75 (74) {11}	16.9 (17.9) {23}	12.5 (12.5) {1}	9.8 (9.9) {10}	8.62 {21}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	75 (74)	16.9 (17.9)	12.5 (12.5)	9.8 (9.9)	8.62

**Summary of Ratings****Pathology Testing** (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 3 (1)                      Pachymetra: 2 (1)                      Smut: 3 (3)  
 a(3)                                      a(2)                                      b(1, 4, 4)

**Current Trials:** Fiji Leaf Gall (FDGH11-04) Floc (RAC10-71\_F, RAC10-72\_F)**Summary of Performance - BLUPS (Diff to stds)**

TCH    -13.6            CCS    -0.5            Fibre                      AppGr    -0.1

**Selection Status/Comments (by region)**

S: FAT - 11FAT; ex ISE 2010

W: FAT - CND11-3p

H: FAT\_D - VSM 2011

N: FAT\_T - 2008 N FAT - TS in 2010

A: FATProp - .

C: FATProp - RAC10-P4; ISE Herb 10

New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials

N(4) H(3) S(4)

From Optional Trials

In Northern  
Plant Propagation?

No

In Northern  
Ratoon Propagation?

Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	61 (74) {23}	17.4 (17.9) {19}	12.5 (12.5) {1}	9.8 (9.9) {10}	8.24 {24}
Q183 is not the correct Q183.						
Trial Means Of	All Crops	61 (74)	17.4 (17.9)	12.5 (12.5)	9.8 (9.9)	8.24

**Summary of Ratings**

<b>Pathology Testing</b>		(Disease, Avg Rating, No. of Tests, Individual Results)	
Brown Rust: 2 (2)	Fiji Leaf Gall: 6 (7)	Floc: 4 (27)	HES-A: 4 (2)
FIXED RATING	FIXED RATING	(n >= 8)	d(3, 5)
HES-C: 4 (6)	HES-S: 4 (11)	HES-W: 4 (11)	Leaf Scald: 1 (5)
d(5, 4, 3, 4, 5, 5)	(n >= 8)	(n >= 8)	FIXED RATING
Mosaic: 3 (2)	Orange Rust: 2 (2)	Pachymetra: 5 (6)	Red Rot: 3 (2)
FIXED RATING	FIXED RATING	FIXED RATING	FIXED RATING
RSD: 1 (2)	Smut: 4 (11)		
FIXED RATING	FIXED RATING		

**Current Trials:** None

**Summary of Performance - BLUPS (Diff to stds)**

TCH -5.6    CCS -0.9    Fibre    AppGr -0.2

**Selection Status/Comments (by region)**

H: Released  
 S: Released - 06FAT  
 W: Released - Included in AAT 10  
 C: Released - Prop RAC10-P1; STD; floc STD  
 A: Released - Released  
 N: Released - Released 2008  
 New Status/Comments?

**Pending selection trial results (by region)**

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(12) H(13) A(16) C(15) S(18) W(8)		Yes	Yes

**Detailed Trial Results****2010 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV <small>{rank}</small>
MOS10-36	GGIP		Mossman	Black sand		Planted: 9/08/2010
Trial Standards: ( Q200;Q208;Q231;Q241)						
26/09/2011	P (n=24)	69 (74) <small>{16}</small>	17.0 (17.9) <small>{21}</small>	12.5 (12.5) <small>{1}</small>	9.6 (9.9) <small>{11}</small>	8.08 <small>{23}</small>
Q183 is not the correct Q183.						
Trial Means Of	All Crops	69 (74)	17.0 (17.9)	12.5 (12.5)	9.6 (9.9)	8.08

# SUMMARY

(sorted by Smut/EGV)

<b><i>Smut &lt; 6.5</i></b>			
Clone/Variety	Smut	rEGV	Page
QN00-1511 .....	2.5	11.66	p2
QN02-775 .....	3.0	11.31	p3
Q200* .....	3.0	10.89	p4
QN02-1494 .....	2.5	10.87	p5
Q241* .....	1.0	10.78	p6
QN02-110 .....	4.0	10.69	p7
QN01-1088 .....	3.5	10.64	p8
QN01-1551 .....	3.5	10.48	p9
QN02-893 .....	2.5	10.48	p10
Q231* .....	4.0	10.25	p11
KQ228 .....	2.0	10.19	p12
QN02-536 .....	1.0	10.14	p13
QN02-386 .....	3.0	9.70	p14
QN02-717 .....	2.5	9.65	p15
QN02-290 .....	3.0	9.55	p16
QN02-1882 .....	2.5	9.45	p17
Q232 .....	3.0	9.10	p18
Q240 .....	3.0	9.09	p19
Q238 .....	2.0	8.98	p20
QN02-895 .....	2.5	8.94	p21
QN02-1707 .....	2.5	8.62	p22
QN02-553 .....	3.0	8.24	p23
Q208* .....	4.0	8.08	p24

## SUMMARY

(sorted by variety/clone)

Q200* .....	3.0	10.89	p4
Q208* .....	4.0	8.08	p24
KQ228 .....	2.0	10.19	p12
Q231* .....	4.0	10.25	p11
Q232 .....	3.0	9.10	p18
Q238 .....	2.0	8.98	p20
Q240 .....	3.0	9.09	p19
Q241* .....	1.0	10.78	p6
QN00-1511 .....	2.5	11.66	p2
QN01-1088 .....	3.5	10.64	p8
QN01-1551 .....	3.5	10.48	p9
QN02-110 .....	4.0	10.69	p7
QN02-290 .....	3.0	9.55	p16
QN02-386 .....	3.0	9.70	p14
QN02-536 .....	1.0	10.14	p13
QN02-553 .....	3.0	8.24	p23
QN02-717 .....	2.5	9.65	p15
QN02-775 .....	3.0	11.31	p3
QN02-893 .....	2.5	10.48	p10
QN02-895 .....	2.5	8.94	p21
QN02-1494 .....	2.5	10.87	p5
QN02-1707 .....	2.5	8.62	p22
QN02-1882 .....	2.5	9.45	p17

## HARVEST STATISTICS

Trial	Crop	Trait	TCMean	Vg	H2	CV
MOS10-36	P	TCH	71.08	51.78	0.23	18.32
		CCS	17.78	0.50	0.57	3.47
		AppGr	9.86	0.03	0.68	1.35

### What are Harvest Statistics?

TCMean = trial crop mean

Vg = genetic variance

H2 = heritability

CV = coefficient of variation

The heritability (H2) is the ratio of genetic variance (Vg) to phenotypic variance and it lies between 0 and 1. If this ratio is high (ie. >0.5) then the trait is easier to select for. For example, CCS usually has a higher heritability than TCH. Also, if the heritability is high, the blups/predicted values in the VDF are spread out i.e. they are not all shrunk back to the same value (ie.good). You may have had some trials where all the blups/predicted values are the same for TCH and/or CCS. This is because of the low heritability.

Coefficient of variation: CV is usually expressed as a percentage and is a measure of reliability of a trial. It allows you to compare the results of one trial/crop to another. It is calculated as follows:  $100 * (\text{standard deviation} / \text{mean})$  where the standard deviation is the square root of the error variance. Some rules of thumb are:

for a trial to be considered reliable CV for TCH < 20% and < 10% for CCS.



# VARIETY DATA FILE

## 2010

(Trials included in this Variety Data File)

Northern 2009 RVT





# Smut < 6.5

**1. Q241**

(Q138 x SP72-4728)

## Summary of Ratings

Pathology Testing		(Disease, Avg Rating, No. of Tests, Individual Results)			
Brown Rust: 1.0 (1)	Fiji Leaf Gall: 3.5 (5)	Floc: 7.2 (7)	HES-S: 5.0 (2)		
FIXED RATING	FIXED RATING	b(9, 9, 2, 9, 7) c(9, 9)	d(6, 4)		
HES-W: 5.9 (2)	Leaf Scald: 1.5 (2)	Mosaic: 4.0 (2)	Orange Rust: 2.0 (1)		
d(5, 7)	FIXED RATING	FIXED RATING	FIXED RATING		
Pachymetra: 1.0 (3)	Red Rot: 3.0 (2)	Smut: 1.0 (5)	Yellow Spot: 2.0 (1)		
FIXED RATING	FIXED RATING	FIXED RATING	FIXED RATING		
Current Trials: Leaf Scald (LS09-168) Floc (RAC09-71_F, RAC09-72_F)					

## Summary of Performance - BLUPS (Diff to stds)

TCH    13.5        CCS    0.6        Fibre                    AppGr    0.0

### Selection Status/Comments (by region)

W: Discard - D VM 09

S: FAT\_D - DFI; 05FAT

A: FAT\_D - rEGV

C: FAT\_H - High Floc

H: FAT\_H - VSM 2010

N: MaxProp - Maximum propagate in 2009 for release in certain northern mill areas in 2010. Smut rating of 1. High floc 7 (9;9;9;7;2).

New Status/Comments?

### Pending selection trial results (by region)

From Routine Trials	From Optional Trials	In Plant Propagation?	In Ratoon Propagation?
N(9) H(2) A(7) C(2) W(1)		Yes	Yes

## Detailed Trial Results

### 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
TAB09-37	T & B Maisel	Arriga				Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	128 (114) {1}	15.2 (14.6) {7}	{1}	9.9 (9.9) {10}	11.27 {1}
Trial Means Of		All Crops	128 (114)	15.2 (14.6)	9.9 (9.9)	11.27

## Summary of Ratings

Pathology Testing	(Disease, Avg Rating, No. of Tests, Individual Results)		
Brown Rust: 1.0 (1)	Fiji Leaf Gall: 5.0 (3)	Floc: 4.9 (10)	HES-A: 8.8 (1)
FIXED RATING	FIXED RATING	(n >= 8)	d(9)
HES-S: 6.4 (5)	HES-W: 5.1 (3)	Leaf Scald: 3.0 (3)	Mosaic: 1.0 (1)
d(7, 6, 5, 7, 7)	d(5, 5, 5)	FIXED RATING	FIXED RATING
Pachymetra: 5.0 (5)	Red Rot: 3.0 (1)	Smut: 2.0 (2)	
FIXED RATING	FIXED RATING	FIXED RATING	

Current Trials: None

## Summary of Performance - BLUPS (Diff to stds)

TCH 1.1 CCS 0.9 Fibre AppGr 0.1

## Selection Status/Comments (by region)

A: Released  
 H: Released  
 N: Released  
 S: Released - 2006 FAT  
 W: Released - Include in AAT 10 if possible  
 C: Released - Prop RAC10-P1; STD; Floc STD?

New Status/Comments?

## Pending selection trial results (by region)

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(9) H(14) A(19) C(15) S(18) W(12) C		Yes	Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	115 (114) {6}	15.6 (14.6) {2}	{1}	9.9 (9.9) {9}	10.82 {3}
Trial Means Of	All Crops	115 (114)	15.6 (14.6)		9.9 (9.9)	10.82

## Summary of Ratings

Pathology Testing	(Disease, Avg Rating, No. of Tests, Individual Results)		
Fiji Leaf Gall: 9.0 (2)	Floc: 5.8 (13)	HES-S: 8.5 (2)	Leaf Scald: 4.0 (2)
FIXED RATING	(n >= 8)	d(9, 8)	FIXED RATING
Mosaic: 4.0 (1)	Orange Rust: 2.0 (1)	Pachymetra: 2.0 (4)	Red Rot: 3.0 (1)
a(4)	FIXED RATING	FIXED RATING	FIXED RATING
Smut: 4.0 (4)	Yellow Spot: 5.0 (1)		
FIXED RATING	a(5)		
Current Trials:	None		

## Summary of Performance - BLUPS (Diff to stds)

TCH 6.1 CCS 0.2 Fibre -0.4 AppGr 0.1

## Selection Status/Comments (by region)

C: CAT\_D - dFJ

S: CAT\_D - Not planted into 06FAT; DFi

W: Discard

A: FAT\_R - 08 FAT/more data

H: Released

N: Released - Q

New Status/Comments?

## Pending selection trial results (by region)

From Routine Trials

N(7) H(4) A(6)

From Optional Trials

In Northern  
Plant Propagation?  
Yes

In Northern  
Ratoon Propagation?  
Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	98 (92) {3}	16.9 (16.8) {12}	11.1 (11.5) {16}	9.8 (9.7) {16}	10.72 {2}
Trial Means Of	All Crops	98 (92)	16.9 (16.8)	11.1 (11.5)	9.8 (9.7)	10.72

Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 4.8 (5) Smut: 2.5 (3)

a(9, 4, 4, 3, 4) a(4, 1) b(1)

Current Trials: Smut (SMB10-5) Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

Summary of Performance - BLUPS (Diff to stds)

TCH -1.2 CCS 0.8 Fibre AppGr 0.0

Selection Status/Comments (by region)

N: Accelerated - 2006 N FAT - New TS 2009 - Accel to CPS 2010

A: FAT

S: Unknown

C: Unknown - Floc

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

A(6)

From Optional Trials

In Northern Plant Propagation?

Yes

In Northern Ratoon Propagation?

Yes

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	113 (114) {8}	15.4 (14.6) {3}	{1}	9.8 (9.9) {13}	10.58 {5}
Trial Means Of	All Crops	113 (114)	15.4 (14.6)		9.8 (9.9)	10.58

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 4.3 (3) Smut: 4.5 (3)

a(4, 5, 4) a(1, 8) b(4)

Current Trials: Smut (SMB10-5) Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH 2.8 CCS 0.2 Fibre -1.8 AppGr -0.2

Selection Status/Comments (by region)

A: FAT

H: FAT - 2009 Series

N: FAT\_H - 2007 N FATs- 2009 TS- Hold pending further smut results.

S: Unknown

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4) A(4)

From Optional Trials

In Northern  
Plant Propagation?

Yes

In Northern  
Ratoon Propagation?

No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
						Trial Standards: ( Q200;Q208;Q237;Q241)
9/09/2010	P (n=38)	104 (92) * {1}	17.4 (16.8)* {3}	9.7 (11.5)**{35}	9.9 (9.7) {13}	11.51 {1}
Trial Means Of	All Crops	104 (92)	17.4 (16.8)	9.7 (11.5)	9.9 (9.7)	11.51
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
						Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)
1/09/2010	P (n=18)	108 (114) {11}	14.4 (14.6) {11}	{1}	9.4 (9.9) {17}	9.43 {13}
Trial Means Of	All Crops	108 (114)	14.4 (14.6)		9.4 (9.9)	9.43

## 2009 Series Crop Class Summary

2	Mean Of	P	106 (103)	15.9 (15.7)	9.7 (11.5)	9.6 (9.8)	10.47
	Mean of	All	106 (103)	15.9 (15.7)	9.7 (11.5)	9.6 (9.8)	10.47
Significant x of y times:			1 / 2	1 / 2	1 / 2		

End of 2009 Series

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 5.7 (3) Smut: 3.0 (2)

a(7, 6, 4) a(3) b(3)

Current Trials: Leaf Scald (LS09-167) Flocc (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH -0.7 CCS 0.6 Fibre AppGr 0.0

Selection Status/Comments (by region)

A: FAT\_D

N: FAT\_D - 2006 N FAT - High pachymetra-Retest. Pend 2R data

S: Unknown

C: Unknown - Flocc

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

From Optional Trials

In Northern  
Plant Propagation?  
NoIn Northern  
Ratoon Propagation?  
Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
TAB09-37	T & B Maisel	Arriga				Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	113 (114) <sup>{7}</sup>	15.3 (14.6) <sup>{5}</sup>	<sup>{1}</sup>	9.8 (9.9) <sup>{14}</sup>	10.40 <sup>{6}</sup>
Trial Means Of	All Crops	113 (114)	15.3 (14.6)		9.8 (9.9)	10.40

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 1.0 (2) Smut: 4.0 (3)

a(1, 1) a(1, 7) b(6)

Current Trials: Smut (SMB10-5) Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH -0.5 CCS 0.2 Fibre -1.1 AppGr 0.2

Selection Status/Comments (by region)

H: FAT - 2009 Series

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?  
YesIn Northern  
Ratoon Propagation?  
No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	86 (92) {18}	16.6 (16.8) {19}	10.5 (11.5) * {29}	9.9 (9.7) {9}	9.92 {13}
Trial Means Of	All Crops	86 (92)	16.6 (16.8)	10.5 (11.5)	9.9 (9.7)	9.92
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	118 (114) {3}	15.1 (14.6) {8}	{1}	10.0 (9.9) {1}	10.82 {4}
Trial Means Of	All Crops	118 (114)	15.1 (14.6)		10.0 (9.9)	10.82

## 2009 Series Crop Class Summary

2 Mean Of	P	102 (103)	15.9 (15.7)	10.5 (11.5)	10.0 (9.8)	10.37
Mean of	All	102 (103)	15.9 (15.7)	10.5 (11.5)	10.0 (9.8)	10.37

Significant x of y times:

1 / 2

End of 2009 Series

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 2.3 (4) Smut: 3.5 (3)

a(1, 4, 3, 1) a(1, 6) b(1)

Current Trials: Smut (SMB10-5) Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH -1.0 CCS 0.0 Fibre -1.4 AppGr 0.2

Selection Status/Comments (by region)

N: Accelerated - 2007 N FATs- 2009 TS- Accelerate to CPS 2010

A: FAT

H: FAT - 2009 Series

S: FATProp - TS&gt;11FAT (ISE 09)

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4) A(4)

From Optional Trials

In Northern  
Plant Propagation?

Yes

In Northern  
Ratoon Propagation?

No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	87 (92) {15}	17.0 (16.8) {11}	10.2 (11.5)**{31}	10.0 (9.7) * {3}	10.33 {7}
Trial Means Of	All Crops	87 (92)	17.0 (16.8)	10.2 (11.5)	10.0 (9.7)	10.33
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	117 (114) {5}	14.3 (14.6) {12}	{1}	9.9 (9.9) {7}	10.10 {11}
Trial Means Of	All Crops	117 (114)	14.3 (14.6)		9.9 (9.9)	10.10

## 2009 Series Crop Class Summary

2 Mean Of	P	102 (103)	15.7 (15.7)	10.2 (11.5)	10.0 (9.8)	10.22
Mean of	All	102 (103)	15.7 (15.7)	10.2 (11.5)	10.0 (9.8)	10.22
Significant x of y times:				1 / 2	1 / 2	

End of 2009 Series



Summary of Ratings

Pathology Testing	(Disease, Avg Rating, No. of Tests, Individual Results)		
Brown Rust: 2.0 (2)	Fiji Leaf Gall: 6.0 (7)	Floc: 4.0 (23)	HES-A: 4.0 (2)
FIXED RATING	FIXED RATING	(n >= 8)	d(3, 5)
HES-C: 4.4 (6)	HES-S: 4.2 (8)	HES-W: 4.6 (2)	Leaf Scald: 1.0 (5)
d(5, 4, 3, 4, 5, 5)	(n >= 8)	d(5, 4)	FIXED RATING
Mosaic: 3.0 (2)	Orange Rust: 2.0 (2)	Pachymetra: 5.0 (6)	Red Rot: 3.0 (2)
FIXED RATING	FIXED RATING	FIXED RATING	FIXED RATING
RSD: 1.0 (1)	Smut: 4.0 (10)		
FIXED RATING	FIXED RATING		
Current Trials:	None		

Summary of Performance - BLUPS (Diff to stds)

TCH	10.1	CCS	-0.3	Fibre	-0.1	AppGr	-0.1
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Selection Status/Comments (by region)

- A: Released
  - H: Released
  - S: Released - 06FAT
  - W: Released - Include in AAT 10 if possible
  - C: Released - Prop RAC10-P1; STD; floc STD
  - N: Released - Released 2008
- New Status/Comments?

Pending selection trial results (by region)

From Routine Trials		From Optional Trials		In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(9)	H(14) A(19) C(15) S(19) W(8) O			Yes	Yes

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	100 (92) * {2}	16.6 (16.8) {20}	11.4 (11.5) {9}	9.4 (9.7) {29}	10.20 {6}
Trial Means Of	All Crops	100 (92)	16.6 (16.8)	11.4 (11.5)	9.4 (9.7)	10.20
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	126 (114)* {2}	14.2 (14.6) {16}	{1}	9.9 (9.9) {11}	10.18 {7}
Trial Means Of	All Crops	126 (114)	14.2 (14.6)		9.9 (9.9)	10.18

2009 Series Crop Class Summary

2 Mean Of	P	113 (103)	15.4 (15.7)	11.4 (11.5)	9.7 (9.8)	10.19
Mean of	All	113 (103)	15.4 (15.7)	11.4 (11.5)	9.7 (9.8)	10.19

Significant x of y times: 2/2

End of 2009 Series

**10. QN01-1735**

(QN91-408 x QN91-1085)

**Summary of Ratings**

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 3.0 (2) Smut: 3.5 (3)

a(3, 3) a(1, 6) b(1)

Current Trials: Leaf Scald (LS09-167) Flocc (RAC09-71\_F, RAC09-72\_F)

**Summary of Performance - BLUPS (Diff to stds)**

TCH -5.2 CCS 0.0 Fibre -0.7 AppGr 0.2

Selection Status/Comments (by region)

A: FAT\_D

N: FAT\_H - 2007 N FATS- 2009 TS

H: FATProp

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern Plant Propagation?

Yes

In Northern Ratoon Propagation?

No

**Detailed Trial Results**

**2009 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	87 (92) {17}	16.8 (16.8) {16}	10.8 (11.5) * {22}	9.9 (9.7) {7}	9.99 {10}
Trial Means Of	All Crops	87 (92)	16.8 (16.8)	10.8 (11.5)	9.9 (9.7)	9.99

Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)  
 Leaf Scald: 6.0 (1) Mosaic: 1.0 (1) Pachymetra: 3.3 (3) Red Rot: 8.0 (1)  
 b(6) a(1) a(4, 4, 2) a(8)  
 Smut: 1.0 (4)  
 a(1, 1, 1) b(1)  
 Current Trials: Leaf Scald (LS09-168)

Summary of Performance - BLUPS (Diff to stds)

TCH 0.2 CCS -0.1 Fibre -1.0 AppGr 0.2

Selection Status/Comments (by region)

N: FAT\_D - 2006 N FAT -Accel 2009 - discard 2010 - v.low CCS  
 A: FAT\_D - rEGV  
 C: FATProp  
 H: FATProp  
 S: Special - ISE PROP GF RESEND  
 New Status/Comments?

Pending selection trial results (by region)

From Routine Trials  
 N(4) H(4) C(4)

From Optional Trials

In Northern  
 Plant Propagation?  
 Yes

In Northern  
 Ratoon Propagation?  
 Yes

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	94 (92) {6}	15.3 (16.8) {36}	10.5 (11.5) * {28}	10.0 (9.7) * {5}	8.87 {30}
Trial Means Of	All Crops	94 (92)	15.3 (16.8)	10.5 (11.5)	10.0 (9.7)	8.87
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	113 (114) {9}	15.9 (14.6) {1}	{1}	10.0 (9.9) {5}	11.05 {2}
Trial Means Of	All Crops	113 (114)	15.9 (14.6)		10.0 (9.9)	11.05

## Summary of Ratings

Pathology Testing	(Disease, Avg Rating, No. of Tests, Individual Results)		
Brown Rust: 1.0 (1)	Fiji Leaf Gall: 5.0 (2)	Floc: 4.4 (11)	HES-H: 4.8 (4)
FIXED RATING	FIXED RATING	(n >= 8)	d(5, 6, 5, 4)
HES-N: 5.1 (3)	HES-S: 3.3 (3)	HES-W: 5.1 (4)	Leaf Scald: 2.0 (2)
d(4, 4, 7)	d(4, 2, 4, 3)	d(4, 5, 6, 5)	FIXED RATING
Mosaic: 2.0 (2)	Orange Rust: 2.0 (2)	Pachymetra: 5.0 (3)	Red Rot: 3.0 (1)
FIXED RATING	FIXED RATING	FIXED RATING	FIXED RATING
RSD: 1.0 (1)	Smut: 3.0 (24)	Yellow Spot: 3.5 (2)	
FIXED RATING	FIXED RATING	a(2, 5)	
Current Trials: None			

## Summary of Performance - BLUPS (Diff to stds)

TCH 1.8 CCS -0.2 Fibre 0.1 AppGr 0.2

## Selection Status/Comments (by region)

H: Released

S: Released - 04FAT

C: Released - Prop RAC10-P1; STD

N: Released - Q

W: Released - Rel 07

A: Released - Released

New Status/Comments?

## Pending selection trial results (by region)

From Routine Trials  
N(9) H(14) A(3) C(12) S(11) W(5)

From Optional Trials

In Northern  
Plant Propagation?  
Yes

In Northern  
Ratoon Propagation?  
Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	92 (92) {8}	16.6 (16.8) {21}	11.7 (11.5) {6}	10.1 (9.7)** {1}	9.92 {9}
Trial Means Of	All Crops	92 (92)	16.6 (16.8)	11.7 (11.5)	10.1 (9.7)	9.92
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	118 (114) {4}	14.3 (14.6) {13}	{1}	10.0 (9.9) {4}	9.94 {10}
Trial Means Of	All Crops	118 (114)	14.3 (14.6)		10.0 (9.9)	9.94

## 2009 Series Crop Class Summary

2 Mean Of	P	105 (103)	15.5 (15.7)	11.7 (11.5)	10.0 (9.8)	9.93
Mean of	All	105 (103)	15.5 (15.7)	11.7 (11.5)	10.0 (9.8)	9.93

**13. QN01-1075**

(QN89-2208 x Q200)

**Summary of Ratings**

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 5.7 (3) Smut: 2.5 (3)

a(5, 9, 3) a(1, 4) c(1)

Current Trials: Leaf Scald (LS09-167) Floc (RAC09-71\_F)

**Summary of Performance - BLUPS (Diff to stds)**

TCH -8.0 CCS 0.8 Fibre 1.6 AppGr -0.5

Selection Status/Comments (by region)

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS - pachymetra 7 ( 9, 5)

H: FATProp

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?  
Yes

In Northern  
Ratoon Propagation?  
No

**Detailed Trial Results**

**2009 Series**

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	84 (92) {21}	17.5 (16.8) {1}	13.1 (11.5) {1}	9.3 (9.7) {34}	9.92 {8}
Trial Means Of	All Crops	84 (92)	17.5 (16.8)	13.1 (11.5)	9.3 (9.7)	9.92

Summary of Ratings

Pathology Testing	(Disease, Avg Rating, No. of Tests, Individual Results)		
Brown Rust: 1.0 (1)	Fiji Leaf Gall: 5.0 (3)	Floc: 4.9 (10)	HES-A: 8.8 (1)
FIXED RATING	FIXED RATING	(n >= 8)	d(9)
HES-S: 6.4 (5)	HES-W: 5.1 (3)	Leaf Scald: 3.0 (3)	Mosaic: 1.0 (1)
d(7, 6, 5, 7, 7)	d(5, 5, 5)	FIXED RATING	FIXED RATING
Pachymetra: 5.0 (5)	Red Rot: 3.0 (1)	Smut: 2.0 (2)	
FIXED RATING	FIXED RATING	FIXED RATING	
Current Trials: Smut (SMB08-23, SMB10-2, SMB10-5) Floc (RAC09-71_F, RAC09-72_F)			

Summary of Performance - BLUPS (Diff to stds)

TCH	3.6	CCS	-0.1	Fibre	-0.2	AppGr	-0.8
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Selection Status/Comments (by region)

- A: Released
  - H: Released
  - N: Released
  - S: Released - 2006 FAT
  - W: Released - Include in AAT 10 if possible
  - C: Released - Prop RAC10-P1; STD; Floc STD?
- New Status/Comments? .....

Pending selection trial results (by region)

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(9) H(14) A(19) C(15) S(18) W(12) C		Yes	Yes

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	95 (92) {4}	16.6 (16.8) {18}	11.4 (11.5) {10}	8.9 (9.7) {36}	9.82 {11}
Trial Means Of	All Crops	95 (92)	16.6 (16.8)	11.4 (11.5)	8.9 (9.7)	9.82

Summary of Ratings

Pathology Testing	(Disease, Avg Rating, No. of Tests, Individual Results)		
Brown Rust: 2.0 (0)	Fiji Leaf Gall: 5.0 (2)	Floc: 5.7 (12)	Leaf Scald: 5.0 (3)
FIXED RATING	FIXED RATING	(n >= 8)	FIXED RATING
Mosaic: 1.0 (1)	Pachymetra: 6.0 (6)	Red Rot: 5.0 (1)	Smut: 5.0 (4)
FIXED RATING	FIXED RATING	a(5)	FIXED RATING
Current Trials:	None		

Summary of Performance - BLUPS (Diff to stds)

TCH	-10.3	CCS	0.4	Fibre	-0.2	AppGr	0.2
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Selection Status/Comments (by region)

S: FAT - 10FAT  
 A: FAT\_D - rEGV  
 C: FATProp  
 H: Released  
 N: Released - Release in N in 2008.  
 W: Unknown - No history In W, Req FatP 2010  
 New Status/Comments?

Pending selection trial results (by region)

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(9) H(8) A(3) S(4)		Yes	Yes

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	84 (92) {20}	17.3 (16.8) {5}	11.3 (11.5) {11}	10.0 (9.7) * {4}	10.13 {5}
Trial Means Of	All Crops	84 (92)	17.3 (16.8)	11.3 (11.5)	10.0 (9.7)	10.13
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	101 (114) {14}	14.8 (14.6) {9}	{1}	10.0 (9.9) {3}	9.50 {12}
Trial Means Of	All Crops	101 (114)	14.8 (14.6)		10.0 (9.9)	9.50

Summary of Ratings

Pathology Testing	(Disease, Avg Rating, No. of Tests, Individual Results)		
Brown Rust: 1.0 (1)	Fiji Leaf Gall: 3.5 (5)	Floc: 7.2 (7)	HES-S: 5.0 (2)
FIXED RATING	FIXED RATING	b(9, 9, 2, 9, 7) c(9, 9)	d(6, 4)
HES-W: 5.9 (2)	Leaf Scald: 1.5 (2)	Mosaic: 4.0 (2)	Orange Rust: 2.0 (1)
d(5, 7)	FIXED RATING	FIXED RATING	FIXED RATING
Pachymetra: 1.0 (3)	Red Rot: 3.0 (2)	Smut: 1.0 (5)	Yellow Spot: 2.0 (1)
FIXED RATING	FIXED RATING	FIXED RATING	FIXED RATING
Current Trials:	None		

Summary of Performance - BLUPS (Diff to stds)

TCH -0.7 CCS -0.3 Fibre 0.2 AppGr -0.2

Selection Status/Comments (by region)

W: Discard - D VM 09  
 S: FAT\_D - DFI; 05FAT  
 A: FAT\_D - rEGV  
 C: FAT\_H - High Floc  
 H: FAT\_H - VSM 2010  
 N: MaxProp - Maximum propagate in 2009 for release in certain northern mill areas in 2010. Smut rating of 1. High floc 7 (9;9;9;7;2).  
 New Status/Comments? \_\_\_\_\_

Pending selection trial results (by region)

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(9) H(2) A(7) C(2) W(1)		Yes	Yes

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	91 (92) {10}	16.5 (16.8) {22}	11.7 (11.5) {4}	9.5 (9.7) {27}	9.75 {16}
Trial Means Of	All Crops	91 (92)	16.5 (16.8)	11.7 (11.5)	9.5 (9.7)	9.75



Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Fiji Leaf Gall: 2.5 (2)	HES-C: 5.5 (1)	HES-H: 4.4 (2)	HES-N: 5.7 (1)
a(1, 4)	d(6)	d(4, 4)	d(6)
Leaf Scald: 2.0 (1)	Pachymetra: 3.0 (2)	Smut: 3.0 (3)	
a(2)	a(3) b(5)	a(1, 1, 7)	

Current Trials: None

Summary of Performance - BLUPS (Diff to stds)

TCH -12.4 CCS 0.3 Fibre 0.0 AppGr 0.1

Selection Status/Comments (by region)

S: CAT\_D - DS<sub>m</sub>; TS>09FAT

W: Discard - .

C: FAT

A: Special - NUE

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials  
C(4)

From Optional Trials

In Northern  
Plant Propagation?  
No

In Northern  
Ratoon Propagation?  
No

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	79 (92) <sup>{30}</sup>	17.0 (16.8) <sup>{9}</sup>	11.5 (11.5) <sup>{7}</sup>	9.8 (9.7) <sup>{17}</sup>	9.75 <sup>{15}</sup>
Trial Means Of	All Crops	79 (92)	17.0 (16.8)	11.5 (11.5)	9.8 (9.7)	9.75

Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)  
 Pachymetra: 1.7 (3) Smut: 6.0 (3)  
 a(1, 2, 2) a(4, 8) b(3)  
 Current Trials: Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

Summary of Performance - BLUPS (Diff to stds)

TCH -9.6 CCS 0.1 Fibre -1.7 AppGr 0.1

Selection Status/Comments (by region)

H: FAT - 2009 Series  
 A: FAT\_D  
 N: FAT\_H - 2007 N FATs- 2009 TS  
 C: Unknown - RAC09-P3  
 New Status/Comments?

Pending selection trial results (by region)

From Routine Trials	From Optional Trials	In Northern Plant Propagation?	In Northern Ratoon Propagation?
N(1) H(4)		Yes	No

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	89 (92) {12}	16.9 (16.8) {13}	9.9 (11.5)** {33}	9.9 (9.7) {10}	10.20 {3}
Trial Means Of	All Crops	89 (92)	16.9 (16.8)	9.9 (11.5)	9.9 (9.7)	10.20
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	97 (114) {16}	14.7 (14.6) {10}	{1}	9.9 (9.9) {8}	9.25 {15}
Trial Means Of	All Crops	97 (114)	14.7 (14.6)		9.9 (9.9)	9.25

Summary of Ratings

Pathology Testing	(Disease, Avg Rating, No. of Tests, Individual Results)		
Fiji Leaf Gall: 7.0 (1)	Floc: 3.7 (4)	HES-N: 5.7 (1)	HES-S: 6.4 (1)
FIXED RATING	b(1, 1, 9) c(1)	d(6)	d(6)
Leaf Scald: 1.0 (3)	Mosaic: 9.0 (1)	Orange Rust: 2.0 (1)	Pachymetra: 1.0 (4)
FIXED RATING	FIXED RATING	FIXED RATING	FIXED RATING
Red Rot: 2.0 (1)	RSD: 1.0 (1)	Smut: 3.0 (5)	
a(2)	FIXED RATING	FIXED RATING	
Current Trials:	None		

Summary of Performance - BLUPS (Diff to stds)

TCH -8.5 CCS -0.1 Fibre -0.3 AppGr -0.1

Selection Status/Comments (by region)

- S: FAT\_D - 06FAT; DFi 08
- A: FAT\_D - rEGV
- C: FAT\_H - Released in other regions
- H: Released
- N: Released - Q

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials  
N(7) H(13) A(3) C(7)

From Optional Trials

In Northern  
Plant Propagation?  
Yes

In Northern  
Ratoon Propagation?  
Yes

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	83 (92) {24}	16.6 (16.8) {17}	11.3 (11.5) {14}	9.6 (9.7) {22}	9.58 {19}
Trial Means Of	All Crops	83 (92)	16.6 (16.8)	11.3 (11.5)	9.6 (9.7)	9.58

## Summary of Ratings

Pathology Testing	(Disease, Avg Rating, No. of Tests, Individual Results)		
Fiji Leaf Gall: 9.0 (2)	Floc: 5.8 (13)	HES-S: 8.5 (2)	Leaf Scald: 4.0 (2)
FIXED RATING	(n >= 8)	d(9, 8)	FIXED RATING
Mosaic: 4.0 (1)	Orange Rust: 2.0 (1)	Pachymetra: 2.0 (4)	Red Rot: 3.0 (1)
a(4)	FIXED RATING	FIXED RATING	FIXED RATING
Smut: 4.0 (4)	Yellow Spot: 5.0 (1)		
FIXED RATING	a(5)		
Current Trials:	None		

## Summary of Performance - BLUPS (Diff to stds)

TCH -3.7 CCS -0.4 Fibre AppGr -0.3

## Selection Status/Comments (by region)

C: CAT\_D - dFJ

S: CAT\_D - Not planted into 06FAT; DFi

W: Discard

A: FAT\_R - 08 FAT/more data

H: Released

N: Released - Q

New Status/Comments?

## Pending selection trial results (by region)

From Routine Trials  
N(7) H(4) A(6)

From Optional Trials

In Northern  
Plant Propagation?  
Yes

In Northern  
Ratoon Propagation?  
Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
TAB09-37	T & B Maisel	Arriga				Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	110 (114) {10}	14.2 (14.6) {15}	{1}	9.6 (9.9) {15}	9.57 {14}
Trial Means Of	All Crops	110 (114)	14.2 (14.6)		9.6 (9.9)	9.57

Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 7.0 (3) Smut: 2.5 (3)

a(9, 6, 6) a(1, 4) b(1)

Current Trials: Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

Summary of Performance - BLUPS (Diff to stds)

TCH -19.5 CCS 0.6 Fibre -2.0 AppGr 0.1

Selection Status/Comments (by region)

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS - pachymetra 8 ( 9, 6)

H: FATProp

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?  
Yes

In Northern  
Ratoon Propagation?  
Yes

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	72 (92) <sup>{35}</sup>	17.4 (16.8)* <sup>{2}</sup>	9.6 (11.5)** <sup>{37}</sup>	9.8 (9.7) <sup>{18}</sup>	9.55 <sup>{12}</sup>
Trial Means Of	All Crops	72 (92)	17.4 (16.8)	9.6 (11.5)	9.8 (9.7)	9.55

Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 1.0 (3) Smut: 6.0 (3)

a(1, 1, 1) a(4, 8) b(1)

Current Trials: Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

Summary of Performance - BLUPS (Diff to stds)

TCH -19.9 CCS 0.6 Fibre -0.2 AppGr 0.2

Selection Status/Comments (by region)

H: FAT - 2009 Series

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS

C: Unknown - Unknown why Unknown...

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?

Yes

In Northern  
Ratoon Propagation?

No

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	72 (92) <sup>{36}</sup>	17.3 (16.8) <sup>{4}</sup>	11.3 (11.5) <sup>{12}</sup>	9.9 (9.7) <sup>{12}</sup>	9.54 <sup>{17}</sup>
Trial Means Of	All Crops	72 (92)	17.3 (16.8)	11.3 (11.5)	9.9 (9.7)	9.54

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 1.0 (2) Smut: 3.5 (3)

a(1, 1) a(1, 6) b(5)

Current Trials: Smut (SMB10-5) Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH -12.1 CCS -0.1 Fibre 0.2 AppGr 0.1

Selection Status/Comments (by region)

N: Accelerated - 2007 N FATs- 2009 TS- Accelerate to CPS 2010

H: FAT - 2009 Series

A: FATProp - 2011 FAT

S: FATProp - TS&gt;11FAT (ISE 09)

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials  
N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?  
YesIn Northern  
Ratoon Propagation?  
Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	95 (92) {5}	16.8 (16.8) {15}	11.7 (11.5) {5}	9.9 (9.7) * {11}	10.41 {4}
Trial Means Of	All Crops	95 (92)	16.8 (16.8)	11.7 (11.5)	9.9 (9.7)	10.41
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)						
1/09/2010	P (n=18)	87 (114) {17}	14.3 (14.6) {14}	{1}	9.9 (9.9) {12}	8.64 {17}
Trial Means Of	All Crops	87 (114)	14.3 (14.6)		9.9 (9.9)	8.64

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

HES-S: 3.8 (2) Pachymetra: 4.5 (2) Smut: 1.0 (1)

d(4, 3) a(2, 7) a(1)

Current Trials: None

## Summary of Performance - BLUPS (Diff to stds)

TCH -9.8 CCS 0.0 Fibre -0.4 AppGr 0.1

Selection Status/Comments (by region)

N: FAT - 2008 N FAT

C: Unknown

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials  
N(4)

From Optional Trials

In Northern  
Plant Propagation?  
NoIn Northern  
Ratoon Propagation?  
Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
						Trial Standards: ( Q200;Q208;Q237;Q241)
9/09/2010	P (n=38)	82 (92) {27}	16.1 (16.8) {28}	11.1 (11.5) {17}	9.9 (9.7) {14}	8.89 {28}
Trial Means Of	All Crops	82 (92)	16.1 (16.8)	11.1 (11.5)	9.9 (9.7)	8.89
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
						Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)
1/09/2010	P (n=18)	105 (114) {12}	15.2 (14.6) {6}	{1}	10.0 (9.9) {2}	10.10 {8}
Trial Means Of	All Crops	105 (114)	15.2 (14.6)		10.0 (9.9)	10.10

## 2009 Series Crop Class Summary

2 Mean Of	P	93 (103)	15.7 (15.7)	11.1 (11.5)	9.9 (9.8)	9.49
Mean of	All	93 (103)	15.7 (15.7)	11.1 (11.5)	9.9 (9.8)	9.49

End of 2009 Series



## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Fiji Leaf Gall: 1.0 (1)	HES-S: 4.9 (2)	Orange Rust: 1.0 (1)	Pachymetra: 1.5 (2)
b(1)	d(5, 5)	a(1)	a(1, 2)

Smut: 1.0 (1)

a(1)

Current Trials: None

## Summary of Performance - BLUPS (Diff to stds)

TCH	-3.1	CCS	-0.5	Fibre	-0.9	AppGr	-0.9
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Selection Status/Comments (by region)

A: Special - NUE

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

From Optional Trials

In Northern Plant Propagation?
No

In Northern Ratoon Propagation?
No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	89 (92) {13}	16.3 (16.8) {26}	10.6 (11.5) {26}	8.9 (9.7) {37}	9.36 {22}
Trial Means Of	All Crops	89 (92)	16.3 (16.8)	10.6 (11.5)	8.9 (9.7)	9.36

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 1.0 (1)	Mosaic: 1.0 (1)	Pachymetra: 2.0 (3)	Red Rot: 2.0 (1)
b(1)	a(1)	a(2, 1, 3)	a(2)
Smut: 3.0 (3)			
a(1, 5) b(6)			

Current Trials: Leaf Scald (LS09-168)

## Summary of Performance - BLUPS (Diff to stds)

TCH	-10.7	CCS	-0.3	Fibre	-1.2	AppGr	-0.3
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Selection Status/Comments (by region)

S: CAT - RPE

A: FAT

N: FAT\_D - 2006 N FAT - Accel 2009- discard 2010- low TCH

C: FATProp

H: FATProp

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials  
N(4) H(4) A(4)

From Optional Trials

In Northern  
Plant Propagation?  
Yes

In Northern  
Ratoon Propagation?  
Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
						Trial Standards: ( Q200;Q208;Q237;Q241)
9/09/2010	P (n=38)	80 (92) {29}	17.0 (16.8) {8}	10.3 (11.5)** {30}	9.5 (9.7) {28}	9.86 {14}
Trial Means Of	All Crops	80 (92)	17.0 (16.8)	10.3 (11.5)	9.5 (9.7)	9.86
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
						Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)
1/09/2010	P (n=18)	104 (114) {13}	13.7 (14.6) {17}	{1}	9.5 (9.9) {16}	8.81 {16}
Trial Means Of	All Crops	104 (114)	13.7 (14.6)		9.5 (9.9)	8.81

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Leaf Scald: 1.0 (1)	Mosaic: 1.0 (1)	Pachymetra: 5.8 (6)	Red Rot: 2.0 (1)
b(1)	a(1)	a(1, 4, 9, 8, 6, 7)	a(2)
Smut: 4.7 (4)			
a(1, 6, 7) b(1)			

Current Trials: Leaf Scald (LS09-168)

## Summary of Performance - BLUPS (Diff to stds)

TCH	-11.0	CCS	-0.1	Fibre	-1.9	AppGr	0.1
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Selection Status/Comments (by region)

S: CAT - RPE

A: FAT\_D

N: FAT\_D - 2006 N FAT -Accel 2009 - discard 2010 - Low TCH

C: FATProp

H: FATProp

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials  
N(4) H(4) C(4)

From Optional Trials

In Northern  
Plant Propagation?  
Yes

In Northern  
Ratoon Propagation?  
Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
						Trial Standards: ( Q200;Q208;Q237;Q241)
9/09/2010	P (n=38)	84 (92) {22}	15.7 (16.8) {29}	9.7 (11.5)** {36}	10.0 (9.7) {6}	8.73 {29}
Trial Means Of	All Crops	84 (92)	15.7 (16.8)	9.7 (11.5)	10.0 (9.7)	8.73

TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
						Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)
1/09/2010	P (n=18)	100 (114) {15}	15.4 (14.6) {4}	{1}	9.9 (9.9) {6}	9.88 {9}
Trial Means Of	All Crops	100 (114)	15.4 (14.6)		9.9 (9.9)	9.88

## 2009 Series Crop Class Summary

2 Mean Of	P	92 (103)	15.6 (15.7)	9.7 (11.5)	10.0 (9.8)	9.31
Mean of	All	92 (103)	15.6 (15.7)	9.7 (11.5)	10.0 (9.8)	9.31

Significant x of y times:

1 / 2

End of 2009 Series

## Summary of Ratings

Pathology Testing	(Disease, Avg Rating, No. of Tests, Individual Results)		
Fiji Leaf Gall: 1.0 (2)	Floc: 1.5 (4)	HES-S: 3.8 (2)	Leaf Scald: 1.0 (1)
a(1) b(1)	b(1, 2) c(5, 3)	d(3, 4)	b(1)
Orange Rust: 3.0 (1)	Pachymetra: 2.8 (4)	Smut: 1.7 (4)	
a(3)	a(1, 6, 1, 3)	a(3, 1, 1) b(1)	
Current Trials:	None		

## Summary of Performance - BLUPS (Diff to stds)

TCH -21.2 CCS 0.3 Fibre -0.8 AppGr -0.7

## Selection Status/Comments (by region)

S: CAT\_T - TS>11FAT

A: FAT\_D

N: FAT\_D - 2005 N FAT-20TS- v.low TCH

H: FAT\_H - VSM 2010

C: FATProp

New Status/Comments?

## Pending selection trial results (by region)

From Routine Trials  
H(4) C(4)

From Optional Trials

In Northern  
Plant Propagation?  
No

In Northern  
Ratoon Propagation?  
Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	71 (92) {37}	17.1 (16.8) {7}	10.8 (11.5) * {23}	9.0 (9.7) {35}	9.16 {25}
Trial Means Of	All Crops	71 (92)	17.1 (16.8)	10.8 (11.5)	9.0 (9.7)	9.16

Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 3.0 (3) Smut: 4.0 (3)

a(3, 3, 3) a(1, 7) b(4)

Current Trials: Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

Summary of Performance - BLUPS (Diff to stds)

TCH -8.3 CCS -0.4 Fibre 1.1 AppGr -0.4

Selection Status/Comments (by region)

H: FAT - 2009 Series

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?  
Yes

In Northern  
Ratoon Propagation?  
No

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	84 (92) {23}	16.4 (16.8) {24}	12.6 (11.5) {3}	9.4 (9.7) {32}	9.05 {26}
Trial Means Of	All Crops	84 (92)	16.4 (16.8)	12.6 (11.5)	9.4 (9.7)	9.05

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 6.7 (3) Smut: 1.0 (3)

a(6, 5, 9) a(1, 1) b(1)

Current Trials: Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH -4.8 CCS -0.6 Fibre -1.8 AppGr 0.0

Selection Status/Comments (by region)

H: FAT - 2009 Series

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?  
YesIn Northern  
Ratoon Propagation?  
No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	87 (92) {14}	16.1 (16.8) {27}	9.7 (11.5)** {34}	9.8 (9.7) {19}	9.04 {20}
Trial Means Of	All Crops	87 (92)	16.1 (16.8)	9.7 (11.5)	9.8 (9.7)	9.04

Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)  
 Fiji Leaf Gall: 1.0 (1)      Leaf Scald: 2.0 (1)      Pachymetra: 2.0 (1)      Smut: 6.0 (2)  
 a(1)                              b(2)                              a(2)                              a(6) b(6)  
 Current Trials:    None

Summary of Performance - BLUPS (Diff to stds)

TCH    -6.7      CCS    0.0      Fibre   -0.2      AppGr   -1.9

Selection Status/Comments (by region)

S: CAT\_D

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

From Optional Trials

In Northern  
Plant Propagation?  
No

In Northern  
Ratoon Propagation?  
No

Detailed Trial Results

2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	85 (92) {19}	16.8 (16.8) {14}	11.3 (11.5) {13}	7.8 (9.7) {38}	9.01 {23}
Trial Means Of	All Crops	85 (92)	16.8 (16.8)	11.3 (11.5)	7.8 (9.7)	9.01

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 2.5 (2) Smut: 6.0 (2)

a(4, 1) b(5, 7)

Current Trials: Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH -29.1 CCS 0.4 Fibre -2.3 AppGr -0.1

Selection Status/Comments (by region)

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS

H: FATProp

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?

Yes

In Northern  
Ratoon Propagation?

No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	63 (92) <sup>{38}</sup>	17.2 (16.8) <sup>{6}</sup>	9.2 (11.5)** <sup>{38}</sup>	9.6 (9.7) <sup>{23}</sup>	9.00 <sup>{24}</sup>
Trial Means Of	All Crops	63 (92)	17.2 (16.8)	9.2 (11.5)	9.6 (9.7)	9.00



## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 3.5 (2) Smut: 5.0 (2)

a(5, 2) a(5) b(6)

Current Trials: Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH -17.5 CCS -0.4 Fibre -1.5 AppGr 0.1

Selection Status/Comments (by region)

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS

H: FATProp

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?

Yes

In Northern  
Ratoon Propagation?

No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	74 (92) {33}	16.4 (16.8) {23}	10.0 (11.5)** {32}	9.8 (9.7) {15}	8.94 {27}
Trial Means Of	All Crops	74 (92)	16.4 (16.8)	10.0 (11.5)	9.8 (9.7)	8.94

## Summary of Ratings

Pathology Testing	(Disease, Avg Rating, No. of Tests, Individual Results)		
Fiji Leaf Gall: 1.0 (2)	Floc: 4.5 (7)	HES-S: 6.1 (2)	Leaf Scald: 1.0 (2)
a(1, 1)	b(3, 8, 3, 4) c(5, 3, 3)	d(8, 5)	b(1, 1)
Mosaic: 1.0 (1)	Orange Rust: 1.0 (1)	Pachymetra: 1.5 (3)	Red Rot: 2.0 (1)
b(1)	a(1)	a(1, 2, 2)	a(2)
Smut: 5.3 (5)			
a(1, 5, 8, 7) b(1)			
Current Trials:	None		

## Summary of Performance - BLUPS (Diff to stds)

TCH -0.2 CCS -1.4 Fibre 0.0 AppGr 0.2

## Selection Status/Comments (by region)

W: Discard

A: FAT\_D

C: FAT\_D

H: FAT\_H - VSM 2010

New Status/Comments?

## Pending selection trial results (by region)

From Routine Trials  
H(6)

From Optional Trials

In Northern  
Plant Propagation?  
No

In Northern  
Ratoon Propagation?  
Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV <small>{rank}</small>
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	92 (92) <sup>{9}</sup>	15.4 (16.8) <sup>{33}</sup>	11.5 (11.5) <sup>{8}</sup>	9.9 (9.7) <sup>{8}</sup>	8.82 <sup>{31}</sup>
Trial Means Of	All Crops	92 (92)	15.4 (16.8)	11.5 (11.5)	9.9 (9.7)	8.82

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 3.5 (2) Smut: 1.0 (3)

a(5, 2) a(1, 1) b(1)

Current Trials: Leaf Scald (LS09-167) Floe (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH 1.0 CCS -1.5 Fibre -0.6 AppGr -0.4

Selection Status/Comments (by region)

H: FAT - 2009 Series

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?

Yes

In Northern  
Ratoon Propagation?

No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	93 (92) {7}	15.2 (16.8) {37}	10.9 (11.5) * {21}	9.4 (9.7) {31}	8.57 {33}
Trial Means Of	All Crops	93 (92)	15.2 (16.8)	10.9 (11.5)	9.4 (9.7)	8.57

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 1.5 (2) Smut: 1.0 (3)

a(1, 2) a(1) b(5, 1)

Current Trials: Leaf Scald (LS09-167) Floe (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH -24.7 CCS -0.5 Fibre -0.5 AppGr -1.0

Selection Status/Comments (by region)

H: FAT - 2009 Series

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS - TCH sharp decline in 1R

S: Unknown

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?

Yes

In Northern  
Ratoon Propagation?

Yes

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
						Trial Standards: ( Q200;Q208;Q237;Q241)
9/09/2010	P (n=38)	76 (92) {31}	17.0 (16.8) {10}	11.1 (11.5) {18}	9.4 (9.7) {30}	9.47 {21}
Trial Means Of	All Crops	76 (92)	17.0 (16.8)	11.1 (11.5)	9.4 (9.7)	9.47
TAB09-37	T & B Maisel		Arriga			Planted: 10/07/2009
						Trial Standards: ( Q200;Q208;KQ228;Q231;Q237)
1/09/2010	P (n=18)	80 (114) {18}	13.4 (14.6) {18}	{1}	8.2 (9.9) {18}	7.15 {18}
Trial Means Of	All Crops	80 (114)	13.4 (14.6)		8.2 (9.9)	7.15

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 2.0 (3) Smut: 1.0 (3)

a(2, 2, 2) a(1, 1) b(1)

Current Trials: Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH -18.5 CCS -1.1 Fibre -0.5 AppGr 0.3

Selection Status/Comments (by region)

H: FAT - 2009 Series

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?

Yes

In Northern  
Ratoon Propagation?

No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	73 (92) <sup>{34}</sup>	15.7 (16.8) <sup>{31}</sup>	11.0 (11.5) <sup>{19}</sup>	10.0 (9.7) * <sup>{2}</sup>	8.25 <sup>{35}</sup>
Trial Means Of	All Crops	73 (92)	15.7 (16.8)	11.0 (11.5)	10.0 (9.7)	8.25

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Fiji Leaf Gall: 4.0 (1)	HES-N: 3.0 (1)	HES-W: 6.4 (3)	Pachymetra: 1.0 (1)
a(4)	d(3)	d(8, 6, 6)	a(1)

Smut: 1.0 (1)

a(1)

Current Trials: Smut (SMB10-6)

## Summary of Performance - BLUPS (Diff to stds)

TCH	-9.0	CCS	-1.4	Fibre	-0.9	AppGr	-0.5
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Selection Status/Comments (by region)

W: Discard - .

A: Special - NUE

C: Unknown

New Status/Comments? .....

Pending selection trial results (by region)

From Routine Trials

From Optional Trials

In Northern Plant Propagation?
No

In Northern Ratoon Propagation?
No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	83 (92) {25}	15.3 (16.8) {34}	10.7 (11.5) * {24}	9.3 (9.7) {33}	8.22 {36}
Trial Means Of	All Crops	83 (92)	15.3 (16.8)	10.7 (11.5)	9.3 (9.7)	8.22

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Fiji Leaf Gall: 1.0 (1)	Leaf Scald: 1.0 (1)	Smut: 1.0 (1)
a(1)	a(1)	a(1)

Current Trials: None

## Summary of Performance - BLUPS (Diff to stds)

TCH	-11.1	CCS	-1.5	Fibre	1.2	AppGr	-0.2
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Selection Status/Comments (by region)

A: Special - NUE

C: Unknown

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

From Optional Trials

In Northern Plant Propagation?
No

In Northern Ratoon Propagation?
No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	81 (92) {28}	15.3 (16.8) {35}	12.8 (11.5) {2}	9.5 (9.7) {26}	7.89 {37}
Trial Means Of	All Crops	81 (92)	15.3 (16.8)	12.8 (11.5)	9.5 (9.7)	7.89

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Fiji Leaf Gall: 3.0 (1)	HES-N: 4.4 (2)	Leaf Scald: 8.0 (1)	Pachymetra: 8.0 (2)
a(3)	d(5, 4)	a(8)	a(8) b(3)

Smut: 1.0 (1)

a(1)

Current Trials: None

## Summary of Performance - BLUPS (Diff to stds)

TCH	-10.3	CCS	-1.1	Fibre	-0.9	AppGr	-0.2
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Selection Status/Comments (by region)

W: Discard - .

A: Special - NUE

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

H(1)

From Optional Trials

In Northern  
Plant Propagation?

No

In Northern  
Ratoon Propagation?

No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	82 (92) {26}	15.7 (16.8) {30}	10.6 (11.5) * {27}	9.6 (9.7) {24}	7.01 {34}
Trial Means Of	All Crops	82 (92)	15.7 (16.8)	10.6 (11.5)	9.6 (9.7)	7.01



## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Fiji Leaf Gall: 6.0 (1)	HES-N: 4.2 (1)	Leaf Scald: 3.0 (1)	Pachymetra: 7.5 (2)
a(6)	d(4)	a(3)	a(9, 6)

Smut: 1.0 (1)

a(1)

Current Trials: Smut (SMB10-6)

## Summary of Performance - BLUPS (Diff to stds)

TCH	-17.2	CCS	-2.2	Fibre	-0.4	AppGr	0.0
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Selection Status/Comments (by region)

W: Discard - .

A: Special - NUE

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

From Optional Trials

In Northern Plant Propagation?
No

In Northern Ratoon Propagation?
No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV {rank}
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	75 (92) {32}	14.5 (16.8) {38}	11.2 (11.5) {15}	9.7 (9.7) {20}	6.24 {38}
Trial Means Of	All Crops	75 (92)	14.5 (16.8)	11.2 (11.5)	9.7 (9.7)	6.24

# Smut >= 6.5

**42. QN01-1233**

(Q181 x QN89-1765)

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 3.0 (2) Smut: 6.5 (3)  
 a(3, 3) a(6, 7) b(7)

Current Trials: Leaf Scald (LS09-167) Floc (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH -1.9 CCS -0.4 Fibre -0.5 AppGr -0.1

Selection Status/Comments (by region)

H: CAT\_D - Smut Reached Herbert FATPROP

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials  
N(1)

From Optional Trials

In Northern  
Plant Propagation?  
Yes

In Northern  
Ratoon Propagation?  
No

## Detailed Trial Results

### 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	90 (92) {11}	16.4 (16.8) {25}	11.0 (11.5) {20}	9.7 (9.7) {21}	8.94 {18}
Trial Means Of	All Crops	90 (92)	16.4 (16.8)	11.0 (11.5)	9.7 (9.7)	8.94

## Summary of Ratings

Pathology Testing (Disease, Avg Rating, No. of Tests, Individual Results)

Pachymetra: 2.0 (3) Smut: 6.5 (3)

a(3, 2, 1) a(5, 8) b(2)

Current Trials: Leaf Scald (LS09-167) Floe (RAC09-71\_F, RAC09-72\_F)

## Summary of Performance - BLUPS (Diff to stds)

TCH -5.2 CCS -1.3 Fibre -0.9 AppGr -0.2

Selection Status/Comments (by region)

A: FAT\_D

N: FAT\_H - 2007 N FATs- 2009 TS

H: FATProp

S: Unknown

C: Unknown - RAC09-P3

New Status/Comments?

Pending selection trial results (by region)

From Routine Trials

N(1) H(4)

From Optional Trials

In Northern  
Plant Propagation?  
YesIn Northern  
Ratoon Propagation?  
No

## Detailed Trial Results

## 2009 Series

Harvested	Crop	TCH	CCS	Fibre	AppGr	rEGV (rank)
MOS09-36	GGIP		Mossman	Black sand		Planted: 10/07/2009
Trial Standards: ( Q200;Q208;Q237;Q241)						
9/09/2010	P (n=38)	87 (92) {16}	15.5 (16.8) {32}	10.6 (11.5) * {25}	9.5 (9.7) {25}	7.96 {32}
Trial Means Of	All Crops	87 (92)	15.5 (16.8)	10.6 (11.5)	9.5 (9.7)	7.96

# SUMMARY

(sorted by Smut/EGV)

Smut < 6.5			
Clone/Variety	Smut	rEGV	Page
Q241	1.0	11.27	p2
KQ228*	2.0	10.82	p3
Q231	4.0	10.72	p4
QN00-1511	2.5	10.58	p5
QN01-303	4.5	10.47	p6
QN00-1247	3.0	10.40	p7
QN01-576	4.0	10.37	p8
QN01-1551	3.5	10.22	p9
Q208*	4.0	10.19	p10
QN01-1735	3.5	9.99	p11
QN00-919	1.0	9.96	p12
Q200*	3.0	9.93	p13
QN01-1075	2.5	9.92	p14
KQ228	2.0	9.82	p15
Q237*	5.0	9.81	p16
Q241*	1.0	9.75	p17
VMC71-238	3.0	9.75	p18
QN01-711	6.0	9.73	p19
Q219	3.0	9.58	p20
Q231*	4.0	9.57	p21
QN01-1724	2.5	9.55	p22
QN01-900	6.0	9.54	p23
QN01-1088	3.5	9.52	p24
TC5	1.0	9.49	p25
H87-4094	1.0	9.36	p26
QN00-89	3.0	9.33	p27
QN00-98	4.7	9.31	p28
TCP87-3388	1.7	9.16	p29
QN01-519	4.0	9.05	p30
QN01-1301	1.0	9.04	p31
N35	6.0	9.01	p32
QN01-816	6.0	9.00	p33
QN01-1640	5.0	8.94	p34
SP80-1816	5.3	8.82	p35
QN01-1029	1.0	8.57	p36
QN01-1229	1.0	8.31	p37
QN01-402	1.0	8.25	p38
CP70-1133	1.0	8.22	p39
M1030/71	1.0	7.89	p40

ROC10	1.0	7.01	p41
N17	1.0	6.24	p42
Smut >= 6.5			
Clone/Variety	Smut	rEGV	Page
QN01-1233	6.5	8.94	p43
QN01-1060	6.5	7.96	p44

# SUMMARY

(sorted by variety/clone)

CP70-1133	1.0	8.22	p39	TCP87-3388	1.7	9.16	p29
H87-4094	1.0	9.36	p26	VMC71-238	3.0	9.75	p18
M1030/71	1.0	7.89	p40				
N17	1.0	6.24	p42				
N35	6.0	9.01	p32				
Q200*	3.0	9.93	p13				
Q208*	4.0	10.19	p10				
Q219	3.0	9.58	p20				
KQ228*	2.0	10.82	p3				
KQ228	2.0	9.82	p15				
Q231	4.0	10.72	p4				
Q231*	4.0	9.57	p21				
Q237*	5.0	9.81	p16				
Q241	1.0	11.27	p2				
Q241*	1.0	9.75	p17				
QN00-89	3.0	9.33	p27				
QN00-98	4.7	9.31	p28				
QN00-919	1.0	9.96	p12				
QN00-1247	3.0	10.40	p7				
QN00-1511	2.5	10.58	p5				
QN01-303	4.5	10.47	p6				
QN01-402	1.0	8.25	p38				
QN01-519	4.0	9.05	p30				
QN01-576	4.0	10.37	p8				
QN01-711	6.0	9.73	p19				
QN01-816	6.0	9.00	p33				
QN01-900	6.0	9.54	p23				
QN01-1029	1.0	8.57	p36				
QN01-1060	6.5	7.96	p44				
QN01-1075	2.5	9.92	p14				
QN01-1088	3.5	9.52	p24				
QN01-1229	1.0	8.31	p37				
QN01-1233	6.5	8.94	p43				
QN01-1301	1.0	9.04	p31				
QN01-1551	3.5	10.22	p9				
QN01-1640	5.0	8.94	p34				
QN01-1724	2.5	9.55	p22				
QN01-1735	3.5	9.99	p11				
ROC10	1.0	7.01	p41				
SP80-1816	5.3	8.82	p35				
TC5	1.0	9.49	p25				

## HARVEST STATISTICS

Trial	Crop	Trait	TCMean	Vg	H2	CV
MOS09-36	P	TCH	85.47	95.10	0.63	8.60
		CCS	16.43	0.69	0.69	3.36
		Fibre	10.96	0.90	0.79	4.43
		AppGr	9.58	0.22	0.88	1.75
TAB09-37	P	TCH	104.51	189.47	0.47	13.93
		CCS	14.96	1.49	0.46	8.70
		AppGr	9.70	0.22	0.27	7.90

### What are Harvest Statistics?

TCMean = trial crop mean

Vg = genetic variance

H2 = heritability

CV = coefficient of variation

The heritability (H2) is the ratio of genetic variance (Vg) to phenotypic variance and it lies between 0 and 1. If this ratio is high (ie. >0.5) then the trait is easier to select for. For example, CCS usually has a higher heritability than TCH. Also, if the heritability is high, the blups/predicted values in the VDF are spread out i.e. they are not all shrunk back to the same value (ie.good). You may have had some trials where all the blups/predicted values are the same for TCH and/or CCS. This is because of the low heritability.

Coefficient of variation: CV is usually expressed as a percentage and is a measure of reliability of a trial. It allows you to compare the results of one trial/crop to another. It is calculated as follows:  $100 * (\text{standard deviation} / \text{mean})$  where the standard deviation is the square root of the error variance. Some rules of thumb are:

for a trial to be considered reliable CV for TCH < 20% and < 10% for CCS.