

Volume 3, December 2011



Welcome to the third edition of The Evaluation Facts for the 2011-2012 season. The Evaluation Facts is a regular newsletter keeping you in touch with the latest information from Graham's Factree's Cultivar Evaluation Project.

### This edition of The Evaluation Facts contains 13 cultivars listed in order of maturity.



'FTP105' Peach. Stage 1 Evaluation page 4.



'SG NE Splendor' Nectarine. Stage 1 Evaluation page 5.

This project is funded by HAL through voluntary contributions from Graham's Factree Pty Ltd with matched funds from the Australian Government.



Contact us: PH: (03) 9999 1999 FAX (03) 5967 4645 www.factree.com.au or Email: mail@factree.com.au 160 Thonemans Road Hoddles Creek VIC 3139

### **IMPORTANT NOTICE - DISCLAIMER**

The varieties identified by our "F" series Evaluation code number are in a testing/evaluation phase only and are not yet commercial. Graham's Factree Pty Ltd and our officers and employees together with anyone associated with the cultivar evaluation program in any way ('We'), provide the information in this newsletter as a guide only. We do not warrant or represent that the information provided in this newsletter is free from errors or omissions or is suitable for your intended use. Subject to any terms implied by law which cannot be excluded, we disclaim all liability for any harm, loss or damage, including but not limited to any loss or damage caused by pests, diseases and/or viruses, or caused or resulting from your use of or reliance on any of the information provided in this newsletter. We strongly recommend that you obtain independent advice before you make any decisions in reliance on this newsletter. Specifically you should make and rely on your own enquiries in relation to any district performance, cropping ability, pollination or any other aspect of the cultivars and/or rootstock mentioned in this newsletter. Our liability for a breach of a condition or warranty implied by law and which cannot be excluded, is limited to the extent possible, at our option, to:

the supply of the relevant replacement trees, or equivalent trees; or the payment of the cost of the replacement trees, or equivalent trees. We will in no event be liable for any loss of profits or other loss or damage whatsoever.



Volume 3, December 2011

Cultivars are in order of maturity.



'FTA061' Apricot. Stage 2 Evaluation page 6.



'Brittney Lane' Peach. Stage 2 Evaluation page 7.



'FTP0320' Peach. Stage 1 Evaluation page 8.



'FTN0612' Nectarine. Stage 1 Evaluation page 9.



'FTP0415' Peach. Stage 2 Evaluation page 10.



'FTIA091' Interspecific Apricot. Stage 1 Evaluation page 11.



Volume 3, December 2011

Cultivars are in order of maturity.



'FTN0115' Nectarine. Stage 1 Evaluation page 12.



'Zaisirly' Nectarine. Stage 1 Evaluation page 13.



'FTN0911' Nectarine. Stage 1 Evaluation page 14.



'FTIP106' Interspecific Plum. Stage 1 Evaluation page 15.



'FTIP083' Interspecific Plum. Stage 1 Evaluation page 16.



Volume 3, December 2011

Date of Evaluat	on	19/11/11		Location	Riverla	Riverland			
Evaluator Name	•	Jason		Rootstock	Nema	guard			
Cultivar		FTP105		Variety	White	e peach			
Split Stone		X Pass		🗌 Fa	il				
Balanced Taste		X Pass		🗌 Fail					
Russet		🗙 Pass		🗌 Fail					
Cracking		🗙 Pass		🗌 Fa	il				
Appearance		🗙 Pass		🗌 Fa	il				
Stem Tear		🗙 Pass		🗌 Fa	il				
Fruit Doubles		X Pass		🗌 Fa	il				
Crop Yield		High X Medium Low							
Fruit Size mm	70mm								
Bloom 10%	3/8/11			Full Bloom	18/8/11				
1st Pick	19/11/11			2nd Pick					
Skin 🗌 Cream		Green	🗌 Orang	je	Yellow		Pink		
Maroo	n	Purple	🗙 Red		🗌 Dark Red				
Flesh 🗌 Cream		Green	🗙 White		Yellow		Orange		
🗌 Red		Purple							
Flavour		Acid		Low Acid		🗙 Sub-Acid			
Brix %	10								
Score /10	7								
Progress to Stag	je 2	Yes		X No	)				
Comments & Commercial Comparator Factree edito	mercial Not enough fruit for a secondary evaluation.								



Volume 3, December 2011

Date of Evaluati	on	19/11/11		Location	Riverland			
Evaluator Name	•	Jason		Rootstock	[	Nemaguard		
Cultivar		SG NE Splendor		Variety	-	Yellow nectarine		
Split Stone		X Pass		Fail				
Balanced Taste		Pass		🗌 Fail				
Russet		X Pass		E Fail				
Cracking		🗙 Pass		🗌 Fa	il			
Appearance		🗙 Pass		🗌 Fa	il			
Stem Tear		🗙 Pass		🗌 Fa	il			
Fruit Doubles		🗙 Pass		🗌 Fa	il			
Crop Yield		🗌 High	igh 🛛 Medium 🗌 Low					
Fruit Size mm	68mm							
Bloom 10%	26/7/11			Full Bloom	12/8/11			
1st Pick	19/11/11			2nd Pick				
Skin 🗌 Cream		Green	Orang	le	Yello	w	Pink	
🗌 Marooi	า	Purple	🗌 Red		🗙 Dark	Red		
Flesh Cream		Green	🗌 White		X Yello	w	Orange	
🗌 Red		Purple						
Flavour		🗙 Acid		Low Acid		Sub-Acio		
Brix %	10							
Score /10	5							
Progress to Stag	e 2	Yes		X No	)			
Comments & Commercial Comparator	Not enough fruit for a secondary evaluation. Blossom end may go soft.							



Volume 3, December 2011

Date of Evaluation	Date of Evaluation 19/11/11			Location			Riverland	
Evaluator Name		Jason		Rootstock	c		H29C	
Cultivar		FTA061		Variety		[	Apricot	
Pink Bud		17/8/11		Full Bloom	n	[	7/9/11	
1st Pick		19/11/11		2nd Pick				
Skin Thickness	Thin	X Medium	Thick Co	 lour Intensit	y _	Dull	Moderate	X Bright
Colour Type	Striped	I X Solid	Blush	ed	Bi-colo	ured		
Over Colour	None	Cream	Green		Orange	2	Yellow	Pink
%	Maroo				Dark R			
Background Colour				//Green	Yellow			
Bruising	X Absen				Heavy		Skin /10	7
Flesh Colour								Durplo
Flesh Texture			White	Yellow	X Ora	-	Red	Purple
	Hard	Coarse			Crunch		Rubbery	Soft
Bleeding		Grainy			Fine/m	elting	Flesh /10	6.5
bleeding	X None	Aroun	d stone Under	skin	Amount			
Ave Fruit Size mm	52 (50-53	)		Brix %		14 (11-1	6)	
Fruit Shape	Oblon	g 🗙 Ovate	Round	led	Slightl	y flat	Asymmetric	Symmetric
Fruit Tip	Large	🗙 Flat	Slight Fr	uit Indent		Deep	Flat	Slight
Flavour	X Acid	Aroma	tic 🗌 Balan	ced	Bitter		Bland	Slightly sweet
	Very sv	veet	Fi	mness		Soft	🗙 Medium	Hard
Split Stone %	0			Fruit /	10	6		
Russet	X None	Some	Major	ity				
Russet Position	Calyx e	end Cheeks	Complete	Ger	neral	Len	ticel 🗌 Stem	bowl Stem end
Sunburn	X Absen	t 🗌 Light	Mode	rate	Heavy			
Stem Tear	X None	Some	Severe Cr	acking		None	Some	Severe
Limb Rub	X None	Light	Mode	rate	Heavy			
Cracking	X None	Some		eharvest Dro	р	Eviden	it 🗙 Not Evider	nt
Fruiting Habit	Lateral	IXI Semisnur	Spur Type	iform Ripeni	ng	X Yes		
Flower Density	None		Avera	ge	X Heavy		Commercial	
Fruit Doubles	None		Avera		High			
Crop Load	None	Light	Avera	-	K Heavy		Commercial	
Tree Vigour	Weak	X Average		ee Habit		Uprigh	Upright	Spreading
Bacterial Spot	None	Few	Many	] Smothered	<b>T</b>		-p	
				J	Tree	/10	7	
Comments & Commercial Comparator	Heavy crop.(	Dk flavor, may be too aci	dic				Overall Score / <sup>*</sup>	6.5
Factree edito	rial notes:							



Volume 3, December 2011

Date of Evaluation 2		20/11/11		Location		I	Riverland	
Evaluator Name		Jason		Rootstock			GF677	
Cultivar		Brittney Lane		Variety		[	Yellow peach	
Pink Bud		22/7/11		Full Bloom		[	15/8/11	
1st Pick		20/11/11		2nd Pick		[		
Skin Thickness	Thin	X Medium	Thick Co	 lour Intensity	X	Dull	Moderate	Bright
Colour Type	Striped	d X Solid	Blushe	ed [	Bi-colou	ured		
Over Colour	None	Cream	Green	[	 Orange		Yellow	Pink
%	Maroo	n Durple	Red	[	 Dark Re	d		
Background Colour	Cream	Green	Yellow	//Green	X Yellow			
Bruising	X Absen	t 🗌 Light	Mode	ate	 Heavy		Skin /10	7.5
Flesh Colour	 Cream	Green	White 🗙	] Yellow	 Oran	ge	Red	Purple
Flesh Texture	Hard	Coarse	Crisp	-	Crunchy	y		Soft
	X Juicy	Grainy	/gritty 🗌 Mediu	m [	 Fine/me	elting		
Bleeding	None	Around	I stone 🔀 Under	skin J	 \mount	10%	Flesh /10	7.5
Ave Fruit Size mm	70			Brix %	<u>г</u>	10		
Fruit Shape	Oblon	g 🗌 Ovate	X Round	ed [	Slightly	flat	Asymmetric	Symmetric
Fruit Tip	 Large	Flat		uit Indent	Г	Deep	Flat	Slight
Flavour	X Acid	Aroma		ed [	Bitter		Bland	Slightly sweet
	Very sv	weet	Fir	mness		Soft	X Medium	Hard
Split Stone %	0			Fruit /1	0 7	7		
Russet	X None	Some	Major	ty				
Russet Position	Calyx e	end Cheeks	Complete	Gene	eral	Lent	ticel Stem	bowl Stem end
Sunburn	X Absen	t 🗌 Light	Mode	ate [	Heavy			
Stem Tear	X None	Some	Severe Cra	acking		None	Some	Severe
Limb Rub	None	🗙 Light	Mode	ate [	Heavy			
Cracking	X None	Some	Severe Pro	eharvest Drop		Eviden	t 🗙 Not Evider	nt
Fruiting Habit	Latera bearer	I I Semisnur	Spur Type	iform Ripenin	g [	X Yes	No No	
Flower Density	None	Light	Avera	ge [	Heavy		X Commercial	
Fruit Doubles	X None	Low	Avera	ge [	High			
Crop Load	None	Light	Avera	ge [	Heavy		X Commercial	
Tree Vigour	U Weak	Average	X Strong	e Habit		🗙 Uprigh	it Dpright spreading	Spreading
Bacterial Spot	X None	Few	Many	] Smothered	Tree /	10	7	
Comments & Commercial Comparator	slightly acid k	out not too bad. Good cr	рр		1		Overall Score /	10 7
Factree editor	rial notes							



Volume 3, December 2011

Date of Evaluati	on	20/11/11		Location	[	Riverland			
Evaluator Name	•	Jason		Rootstock	[	GF677			
Cultivar		FTP0320		Variety	[	Yellow peach			
Split Stone		Pass		🗙 Fai	il				
Balanced Taste		🗙 Pass		🗌 Fail					
Russet		× Pass		🗌 Fai	il				
Cracking		× Pass		🗌 Fai	il				
Appearance		× Pass		🗌 Fai	il				
Stem Tear		🗙 Pass		🗌 Fai	il				
Fruit Doubles	<b>iit Doubles</b> Pass  Fail								
Crop Yield	Id I High X Medium Low								
Fruit Size mm	72mm								
Bloom 10%	4/8/11 Full Bloom 21/8/11								
1st Pick	20/11/11			2nd Pick					
Skin 🗌 Cream		Green	Orange Y		Yello	w	Pink		
	n	 Purple	X Red □ Dark		Red				
Flesh Cream		Green	White X Yellow				Orange		
🗌 Red		🗌 Purple							
Flavour		Acid	X	Low Acid		Sub-Ac	id		
Brix %	12								
Score /10	6								
Progress to Stag	je 2	Yes		X No	)				
Comments & Commercial Comparator		litstones and marginal crop							



Volume 3, December 2011

Date of Evaluat	ion	20/11/11		Location	F	Riverland		
Evaluator Name	•	Jason		Rootstock	1	Nemaguard		
Cultivar		FTN0612		Variety	,	White nectari	ne	
Split Stone		X Pass		🗌 Fa	ail			
Balanced Taste		Pass		🗙 Fail				
Russet		X Pass		🗌 Fail				
Cracking		🗙 Pass		🗌 Fa	ail			
Appearance		🗙 Pass		🗌 Fa	ail			
Stem Tear		🗙 Pass		🗌 Fa	ail			
Fruit Doubles		🗙 Pass		🗌 Fa	ail			
Crop Yield		☐ High						
Fruit Size mm	64mm							
Bloom 10%	4/8/11			Full Bloom	17/8/11			
1st Pick	20/11/11			2nd Pick				
Skin 🗌 Cream		🗌 Green	🗌 Orang	je	Yellov	N	🗌 Pink	
🗌 Maroo	n	Purple	🗌 Red		🗙 Dark f	Red		
Flesh Cream		Green	X White	•	Yellov		Orange	
Red		 Purple						
Flavour		X Acid		Low Acid		🗌 Sub	-Acid	
Brix %	11			]				
Score /10	4							
Progress to Stag	je 2	Yes		XN	0			
Comments & Commercial Comparator Factree edito		enough flavor						
	n ar notes	••						



Volume 3, December 2011

Date of Evaluation		21/11/11		Location		Riverland	
Evaluator Name		Jason		Rootstoc	k	Nemaguard	
Cultivar		FTP0415		Variety		Yellow peach	
Pink Bud		4/8/11		Full Bloo	m	26/8/11	
1st Pick		21/11/11		2nd Pick			
Skin Thickness	Thin	X Medium	Thick C	Colour Intensi	ty 🗌 Dull	X Moderate	Bright
Colour Type	Stripe	d Solid	X Blus	hed	Bi-coloured		
Over Colour	None	Cream	Gree	en	Orange	Yellow	Pink
%	Maroc	n 🗌 Purple	Red		Dark Red		
Background Colour	Cream	Green		ow/Green	X Yellow		
Bruising	Absen			lerate	Heavy	Skin /10	6
Flesh Colour	Cream			X Yellow	Orange	Red	Purple
Flesh Texture	Hard	Coarse			Crunchy		Soft
	X Juicy	Grainy/		lium	Fine/melting		
Bleeding	X None			er skin	Amount	Flesh /10	7
Ave Fruit Size mm	68mm			Brix %	10		
Fruit Shape	Oblon	g 🗙 Ovate	Rou	nded	Slightly flat	Asymmetric	Symmetric
Fruit Tip	🗙 Large	Flat	Slight F	Fruit Indent	Deep	Flat	Slight
Flavour	Acid	Aroma	tic 🗙 Bala	nced	Bitter	Bland	X Slightly sweet
	Very s	weet	F	irmness	Soft	X Medium	Hard
Split Stone %	0			Fruit /	<b>10</b> 6		
Russet	X None	Some	Majo	ority			
Russet Position	Calyx (	end Cheeks	Complete	e 🗌 Ge	neral 🗌 Ler	nticel Stem	bowl Stem end
Sunburn	🗙 Absen	t 🗌 Light	Moc	lerate	Heavy		
Stem Tear	X None	Some	Severe C	Cracking	X None	Some	Severe
Limb Rub	None	🗙 Light	Moc	lerate	Heavy		
Cracking	X None	Some	Severe F	Preharvest Dro	<b>PP</b> Evide	nt 🗙 Not Eviden	t
Fruiting Habit	X Latera		Spur Type	Jniform Ripen	ing 🗙 Yes	No No	
Flower Density	None	Light	Ave	rage	Heavy	X Commercial	
Fruit Doubles	X None	Low	Ave	rage	High		
Crop Load	None	Light	Ave	rage	Heavy	X Commercial	
Tree Vigour	Weak	X Average	Strong 1	Free Habit	Uprig	ht 🗙 Upright spreading	Spreading
Bacterial Spot	X None	Few	Many	Smothered	Tree /10	7	
Comments & Commercial Comparator	tip may be ar	issue. Nice flavor				Overall Score /1	<b>0</b> 6.5
Factree editor	ial notes						



Volume 3, December 2011

Date of Evaluati	ion	21/11/11		Location	R	te of Evaluation 21/11/11 Location Riverland					
Evaluator Name	•	Jason		Rootstock		lemaguard					
Cultivar		FTIA091		Variety	1	s Cot					
Split Stone	 	🗙 Pass		E Fa	ail						
Balanced Taste		🗙 Pass		E Fa	🗌 Fail						
Russet		🗙 Pass		E Fail							
Cracking		🗙 Pass		E Fa	ail						
Appearance		🗙 Pass		🗌 Fa	ail						
Stem Tear		🗙 Pass		🗌 Fa	ail						
Fruit Doubles		X Pass		🗌 Fa	ail						
Crop Yield		☐ High									
Fruit Size mm	50mm										
Bloom 10%	11/8/11			Full Bloom	1/9/11						
1st Pick	21/11/11			2nd Pick							
Skin 🗌 Cream		Green	🗙 Orang	je	Yellow	v [	Pink				
Maroo	n	Purple	🗌 Red		🗌 Dark R	Red					
Flesh Cream		Green	🗌 White	e 🗌 Yellow 🔀 Orange			X Orange				
🗌 Red		Purple									
Flavour		Acid	X	Low Acid		Sub-Acid					
Brix %	18										
Score /10	5										
Progress to Stag	je 2	Yes		X No	0						
Comments & Commercial Comparator Factree edito		fruit for a detailed stage 2 evalu	lation								
Factree edito	orial notes	:									



Volume 3, December 2011

Date of Evaluat	ion	22/11/11		Location	Riverland				
Evaluator Name	•	Jason		Rootstock		GF677			
Cultivar		FTN0115		Variety		Yellow nectarine			
Split Stone		🗙 Pass		🗌 Fai	il				
Balanced Taste		🗙 Pass		🗌 Fai	il				
Russet		🗙 Pass		🗌 Fai	il				
Cracking		🗙 Pass		🗌 Fai	il				
Appearance		🗙 Pass		🗌 Fai	il				
Stem Tear		🗙 Pass		🗌 Fai	il				
Fruit Doubles		🗙 Pass		🗌 Fai	il				
Crop Yield		☐ High							
Fruit Size mm	71mm								
Bloom 10%	26/7/11			Full Bloom	15/8/11				
1st Pick	22/11/11			2nd Pick					
Skin Cream		Green	Orang	le	Yello	w	Pink		
🗌 Maroo	n	Purple	🗌 Red						
Flesh Cream		Green	🗌 White		🗙 Yello	w	Orange		
🗌 Red		Purple							
Flavour		🗙 Acid		Low Acid		🗌 Sub-Ac	id		
Brix %	11								
Score /10	6.5								
Progress to Stag	je 2	Yes		X No	)				
Comments & Commercial Comparator Factree edito			stones make it not good enoug	h for a stage 2 evaluatic	on .				



Volume 3, December 2011

Date of Evaluat	ion	23/11/11		Location		Riverland		
Evaluator Name	2	Jason		Rootstock		Nemaguard		
Cultivar		Zaisirly		Variety	,	White nectarine		
Split Stone		🗙 Pass		🗌 Fai	il			
Balanced Taste		× Pass		E Fail				
Russet		🗙 Pass		🗌 Fai	il			
Cracking		🗙 Pass		🗌 Fai	il			
Appearance		🗙 Pass		🗌 Fai	il			
Stem Tear		🗙 Pass		🗌 Fai	il			
Fruit Doubles		🗙 Pass		🗌 Fai	il			
Crop Yield		☐ High						
Fruit Size mm	68mm							
Bloom 10%	9/8/11 Full Bloom 23/8/11							
1st Pick	23/11/11			2nd Pick				
Skin Cream		Green	🗌 Orang	le	Yello	W	Pink	
Maroo		Purple	🗌 Red		🗙 Dark			
Flesh Cream		Green	🗙 White		Yellov	W	Orange	
Flavour		Purple		Low Acid		Sub-Aci	d	
	12							
Brix %								
Score /10	5							
Progress to Stag	ge 2	Yes		X No	)			
Comments & Commercial Comparator	ommercial Not enough crop on 2nd leaf for thorough stage 2 evaluation							
Factree edito	orial notes	:						



Volume 3, December 2011

Date of Evaluati	on	23/11/11		Location	[	Riverland				
Evaluator Name	•	Jason		Rootstock		Nemaguard				
Cultivar		FTN0911		Variety	[	Yellow nectarine				
Split Stone		🗙 Pass		Fai	il		]			
Balanced Taste		× Pass		🗌 Fai	il					
Russet		× Pass		🗌 Fai	il					
Cracking		🗙 Pass		🗌 Fai	il					
Appearance		🗙 Pass		🗌 Fai	il					
Stem Tear		🗙 Pass		🗌 Fai	il					
Fruit Doubles		🗙 Pass		🗌 Fai	il					
Crop Yield		🗌 High	X	Medium		Low				
Fruit Size mm	65mm									
Bloom 10%	11/8/11			Full Bloom	3/9/11					
1st Pick	23/11/11			2nd Pick						
Skin 🗌 Cream		Green	Orang	je	Yello	w	Pink			
Marooi	n	Purple	🗌 Red		🗙 Dark	Red				
Flesh Cream		🗌 Green	🗌 White	!	X Yello	w	Orange			
🗌 Red		Purple								
Flavour		🗙 Acid		Low Acid		🗌 Sub-Aci	d			
Brix %	10									
Score /10	5									
Progress to Stag	je 2	Yes		X No	)					
Comments & Commercial Comparator Factree edito		- 	orough stage 2 evaluation							



Volume 3, December 2011

Date of Evaluati	on	23/11/11		Location	[	Riverland		
Evaluator Name	ł	Jason		Rootstock	[	Nemaguard		
Cultivar		FTIP106		Variety	[	ls Plum		
Split Stone		X Pass		🗌 Fai	il			
Balanced Taste		X Pass		🗌 Fail				
Russet		X Pass		🗌 Fail				
Cracking		X Pass		🗌 Fai	il			
Appearance		X Pass		🗌 Fai	il			
Stem Tear		X Pass		🗌 Fai	il			
Fruit Doubles		X Pass		🗌 Fai	il			
Crop Yield		🗌 High	X	Medium		Low		
Fruit Size mm	50mm							
Bloom 10%	8/8/11 Full Bloom 23/8/11							
1st Pick	23/11/11 2nd Pick							
Skin Cream		Green	Orang	le	Yello	W	Pink	
🗙 Maroor	า	Purple	🗌 Red		🗌 Dark	Red		
Flesh 🗌 Cream		Green	🗌 White	e 🗌 Yellow 🗌 Orange				
🔀 Red		Purple						
Flavour		X Acid		Low Acid		🗌 Sub-Ac	id	
Brix %	11							
Score /10	4							
Progress to Stag	e 2	Yes		X No	)			
Comparator	Comments & Not enough crop on 2nd leaf for thorough stage 2 evaluation Acid skin. ok flesh flavor							



Volume 3, December 2011

Date of Evaluation		23/11/11		Location		Riverland		
Evaluator Name		Jason		Rootstock		Nemaguard		
Cultivar		FTIP083		Variety		Is Plum		
Split Stone		X Pass		🗌 Fail				
Balanced Taste		X Pass		🗌 Fail				
Russet		× Pass		🗌 Fai	🗌 Fail			
Cracking		🗙 Pass 🗌 Fail						
Appearance		Pass X Fail						
Stem Tear		X Pass	E Fail					
Fruit Doubles		X Pass	🗌 Fail					
Crop Yield		🗌 High	X	Medium	Low			
Fruit Size mm	45mm							
Bloom 10%	10/8/11			Full Bloom	30/8/11			
1st Pick	23/11/11			2nd Pick				
Skin Cream		Green	Orang	e	Yello	W	Pink	
🗙 Maroon		Purple	🗌 Red		🗌 Dark	Red		
Flesh 🗌 Cream		Green	🗌 White		🗙 Yello	w	Orange	
Red Purple								
Flavour		X Acid		Low Acid		Sub-Acic	1	
Brix %	11							
Score /10	3							
Progress to Stag	e 2	Yes		X No	)			
Comments & Commercial Comparator Not enough crop on 2nd leaf for thorough stage 2 evaluation Bland and watery. Very small fruit   Factree editorial notes:								