



TWF/43/37

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**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**

Geneva

**TECHNICAL WORKING PARTY FOR FRUIT CROPS****Forty-Third Session  
Beijing, July 30 to August 3, 2012**

MATTERS TO BE RESOLVED CONCERNING TEST GUIDELINES CONSIDERED BY THE TECHNICAL COMMITTEE: TEST GUIDELINES FOR PAPAYA

*Document prepared by the Office of the Union*

1. The Technical Working Party for Fruit Crops (TWF), at its forty-second session, held in Hiroshima, Japan, from November 14 to 18, 2011, agreed to submit the draft Test Guidelines for Papaya (document TG/264/2(proj.1)) to the Technical Committee (TC) for adoption (see document TWF/42/26 Rev. "Report" paragraph 76).
2. The TC at its forty-eighth session, held in Geneva from March 26 to 28, 2012, adopted the draft Test Guidelines for Papaya (document TG/264/2(proj.3)) subject to the amendments requested in Annex IV to the Report and the linguistic changes suggested by the Enlarged Editorial Committee (TC-EDC) (see document TC/48/22, "Report", paragraph 149). Annex I to this document contains the reply from the Leading Expert to the requests by the TC.
3. In addition to the amendments proposed in response to the request by the TC, the Leading Expert proposed further changes to be incorporated into the Test Guidelines, which are presented in the Annex II to this document.
4. The amendments proposed in relation to paragraphs 2 and 3, above, have been incorporated in document TG/264/2(proj.4), which will be considered by the TWF at its forty-third-session

[Annexes follows]

## ANNEX I

## CHANGES REQUIRED BY THE TECHNICAL COMMITTEE TO DOCUMENT TG/264/2(PROJ.3)

4.1.4	to read "Unless otherwise indicated, for the purpose of distinctness, all observations on single plants should be made on 20 plants or parts taken from each of 20 plants in the case of seed-propagated varieties disregarding any off-type plants. In the case of vegetatively propagated varieties all observations on single plants should be made on 5 plants or parts taken from each of 5 plants."	Leading Expert agreed
4.2.4	to be deleted	Leading Expert agreed
Char. 12	- to move after char. 15 - to delete VG - to add (+) and explanation	Leading Expert agreed Leading Expert agreed Leading Expert to provide explanation
Chars. 17 to 19	to delete VG, to be reconsidered by the Leading Expert (How to be assessed on 5, 20 plants?)	Leading Expert agrees to be considered by the TWF
Char. 21	to add example varieties for state (2) and/or (3)	Leading Expert agreed
Char. 33	to add (f)	Leading Expert agreed
Char. 37	to delete VG	Leading Expert agreed
Chars. 43 to 38	Leading Expert to check order of seed characteristics	Leading Expert agreed
Chars. 42, 44, 45, 46	to be indicated as VG/MS	Leading Expert agreed
8.1 (b)	to read "...or single flower has appeared."	to be considered by TWF "or single flower fruit has appeared."
8.1 (c)	to add "In seed-propagated varieties" before last sentence	Leading Expert agreed
8.1 (d)	to be deleted, text to be improved and moved to Ad. 22 and 23	<u>Ad. 22: Flower: length of corolla</u>  This characteristic only applies to hermaphrodite or female varieties. Observations on flower length should be made during the first flower opening, at the start of anther dehiscence in hermaphrodite varieties, and in the case of female varieties at midday.  <u>Ad. 23: Flower: color of corolla</u>  This characteristic applies to all types of plants, regardless of the sex. Observations on flower color should be made during the first flower opening
8.1 (e)	to add "In seed-propagated varieties" before last sentence	Leading Expert agreed
8.1 (f)	to read "Fruit: ..."	Leading Expert proposal: <u>Ripe fruit:</u>

[Annex II follows]

## CHANGES TO DOCUMENT TG/264/2(proj.3) PROPOSED BY THE LEADING EXPERT

Characteristic 1 “Young plant: color of stem”*Current wording:*

1. (+)	VG	Young plant: color of stem	Jeune plante : couleur de la tige	Junge Pflanze: Farbe des Triebs	Planta joven: color del tallo		
PQ		only green	seulement verte	nur grün	sólo verde	Ishigaki Sango	1
		yellowish green	vert jaunâtre	gelblich grün	verde amarillento	Tainung N° 1	2
		brown	brune	braun	marrón		3
		green and purple	verte et pourpre	grün und purpurn	verde y púrpura	Sunrise	4
		only purple	seulement pourpre	nur purpurn	sólo púrpura		5

*Proposed wording:*

1. (+)	VG	Young plant: color of stem	Jeune plante : couleur de la tige	Junge Pflanze: Farbe des Triebs	Planta joven: color del tallo		
PQ		only green	seulement verte	nur grün	sólo verde	Ishigaki Sango	1
		yellowish green	vert jaunâtre	gelblich grün	verde amarillento	Tainung N° 1	2
		brown	brune	braun	marrón	<u>Tangkai hitam</u>	3
		green and purple	verte et pourpre	grün und purpurn	verde y púrpura	Sunrise	4
		only purple	seulement pourpre	nur purpurn	sólo púrpura		5

Characteristic 2 “Plant: height of attachment of first inflorescence or flower”

*Current wording:*

2. (*) (+)	VG/M S	Plant: height of attachment of first inflorescence or flower	Plante: hauteur de l'attache de la première inflorescence ou fleur	Pflanze: Höhe der Ansatzstelle des ersten Blütenstandes oder der ersten Blüte	Planta: altura de la inserción de la primera inflorescencia		
QN	(a)	low	basse	niedrig	baja	Ishigaki Sango	3
		medium	moyenne	mittel	media	Sunrise, Tainung N° 1	5
		high	haute	hoch	alta	Cera	7

*Proposed wording:*

2. (*) (+)	VG/ MS	Plant: height of attachment of first inflorescence or flower	Plante: hauteur de l'attache de la première inflorescence ou fleur	Pflanze: Höhe der Ansatzstelle des ersten Blütenstandes oder der ersten Blüte	Planta: altura de la inserción de la primera inflorescencia		
QN	(a)	low	basse	niedrig	baja	Ishigaki Sango	3
		medium	moyenne	mittel	media	Sunrise, Tainung N° 1	5
		high	haute	hoch	alta	Cera, <u>Dampit, Simangko</u>	7

Characteristic 4 “Stem: diameter”

*Current wording:*

4. (+)	VG/M S	Stem: diameter	Tige : diamètre	Stängel: Durchmesser	Tallo: diámetro		
QN	(a)	small	petit	klein	pequeño		3
		medium	moyen	mittel	medio	Ishigaki Sango, Sunrise, Tainung N° 1	5
		large	large	groß	grande		7

*Proposed wording:*

4. (+)	VG/ MS	Stem: diameter	Tige : diamètre	Stängel: Durchmesser	Tallo: diámetro		
QN	(a)	small	petit	klein	pequeño		3
		medium	moyen	mittel	medio	Ishigaki Sango, Sunrise, Tainung N° 1	5
		large	large	groß	grande	<u>Klangdong</u>	7

Characteristic 7 “Leaf blade: length”

*Current wording:*

7. VG/M (+)	S	Leaf blade: length	Limbe : longueur	Blattspreite: Länge	Limbo: longitud		
QN	(b)	short	court	kurz	corta		3
		medium	moyen	mittel	media	Ishigaki Sango, Sunrise, Tainung N° 1	5
		long	long	lang	larga	Dampit	7

*Proposed wording:*

7. VG/ (+)	MS	Leaf blade: length	Limbe : longueur	Blattspreite: Länge	Limbo: longitud		
QN	(b)	short	court	kurz	corta	<u>BT-K, Eksotika</u>	3
		medium	moyen	mittel	media	Ishigaki Sango, Sunrise, Tainung N° 1	5
		long	long	lang	larga	Dampit	7

Characteristic 8 “Leaf blade: width”

*Current wording:*

8. VG/M (+)	S	Leaf blade: width	Limbe : largeur	Blattspreite: Breite	Limbo: anchura		
QN	(b)	narrow	étroit	schmal	estrecha		3
		medium	moyen	mittel	media	Sunrise, Tainung N° 1	5
		broad	large	breit	amplia	Dampit	7

*Proposed wording:*

8. VG/ (+)	MS	Leaf blade: width	Limbe : largeur	Blattspreite: Breite	Limbo: anchura		
QN	(b)	narrow	étroit	schmal	estrecha	<u>BT-K</u>	3
		medium	moyen	mittel	media	Sunrise, Tainung N° 1	5
		broad	large	breit	amplia	Dampit	7

Characteristic 9 “Leaf blade: ratio length/width”

*Current wording:*

9. (*)	VG/M S	Leaf blade: ratio length/width	Limbe : rapport longueur/largeur	Blattspreite: Verhältnis Länge/Breite	Limbo: relación longitud/anchura		
QN	(b)	slightly elongated	légèrement allongé	leicht langgezogen	ligeramente alargado		1
		moderately elongated	modérément allongé	mäßig langgezogen	moderadamente alargado	Ishigaki Sango, Sunrise, Tainung N° 1	2
		very elongated	très allongé	sehr langgezogen	muy alargado		3

*Proposed wording:*

9. (*)	VG/ MS	Leaf blade: ratio length/width	Limbe : rapport longueur/largeur	Blattspreite: Verhältnis Länge/Breite	Limbo: relación longitud/anchura		
QN	(b)	<del>slightly</del> <del>very</del> elongated	<del>légèrement</del> <del>très</del> allongé	<del>leicht</del> <del>sehr</del> langgezogen	<del>ligeramente</del> <del>muy</del> alargado	<del>Johor</del>	1
		moderately elongated	modérément allongé	mäßig langgezogen	moderadamente alargado	Ishigaki Sango, Sunrise, Tainung N° 1	2
		<del>very</del> <del>slightly</del> elongated	<del>très</del> <del>légèrement</del> allongé	<del>sehr</del> <del>leicht</del> langgezogen	<del>muy</del> <del>ligeramente</del> alargado	<del>Golden</del>	3

Characteristic 11 “Leaf: presence of flag leaflet”

*Current wording:*

11. (*) (+)	VG	Leaf: presence of flag leaflet	Feuille : présence d’une dernière foliole	Blatt: Vorhandensein eines Fahnenfiederblattes	Hoja: presencia de folíolos		
QL		absent	absente	fehlend	ausentes	Cera, Maradol, Sunrise	1
		present	présente	vorhanden	presentes	Callina	9

*Proposed wording:*

11. (*) (+)	VG	Leaf: presence of flag leaflet	Feuille : présence d’une dernière foliole	Blatt: Vorhandensein eines Fahnenfiederblattes	Hoja: presencia de folíolos		
QL		absent	absente	fehlend	ausentes	Cera, Maradol, Sunrise	1
		present	présente	vorhanden	presentes	Callina, <del>Plugmailai, Sekaki</del>	9

Characteristic 14 "Petiole: length"

*Current wording:*

14. (*)	VG/ MS	Petiole: length	Pétirole : longueur	Blattstiel: Länge	Inflorescencia: número de flores		
QN	(b)	short	court	kurz	bajo		3
		medium	moyen	mittel	medio	Ishigaki Sango, Sunrise, Tainung N° 1	5
		long	long	lang	alto	Dampit	7

*Proposed wording:*

14. 13. (*)	VG/ MS	Petiole: length	Pétirole : longueur	Blattstiel: Länge	Peciolo: longitud		
QN	(b)	short	court	kurz	bajo	<u>BT-K</u>	3
		medium	moyen	mittel	medio	Ishigaki Sango, Sunrise, Tainung N° 1	5
		long	long	lang	alto	Dampit	7

Characteristic 16 "Young plant: color of stem"

*Current wording:*

16. (*)	VG	Inflorescence: number of flowers	Inflorescence : nombre de fleurs	Blütenstand: Anzahl der Blüten	Inflorescencia: pigmentación antocianica del eje		
QN	(c)	few	petit	wenige	ausente o débil	Ishigaki Sango	3
		medium	moyen	mittel	media	Sunrise	5
		many	élevé	viele	fuerte	Tainung N° 1	7

*Proposed wording:*

16. (*)	VG	Inflorescence: number of flowers	Inflorescence : nombre de fleurs	Blütenstand: Anzahl der Blüten	Inflorescencia: número de flores		
QN	(c)	few	petit	wenige	escasass	Ishigaki Sango	3
		medium	moyen	mittel	media	<u>Eksoitika</u> , Sunrise	5
		many	élevé	viele	abundantes	Tainung N° 1	7

Characteristic 20 “Inflorescence: length of main axis”

*Current wording:*

20.	VG/MS	Inflorescence: length of main axis	Inflorescence : longueur de l'axe central	Blütenstand: Länge der Hauptachse	Inflorescencia: longitud del eje central		
QN	(c)	short	court	kurz	corta	Ishigaki Sango, Sunrise	3
		medium	moyen	mittel	media		5
		long	long	lang	larga	Tainung N° 1	7

*Proposed wording:*

20.	VG/MS	Inflorescence: length of main axis	Inflorescence : longueur de l'axe central	Blütenstand: Länge der Hauptachse	Inflorescencia: longitud del eje central		
QN	(c)	short	court	kurz	corta	Ishigaki Sango, Sunrise	3
		medium	moyen	mittel	media	<u>BT-1</u>	5
		long	long	lang	larga	<del>Tainung N° 1</del> <u>Dampit</u>	7

Characteristic 21 “Inflorescence: anthocyanin coloration of axis”

*Current wording:*

21.	VG	Inflorescence: anthocyanin coloration of axis	Inflorescence : pigmentation anthocyanique de l'axe	Blütenstand: Anthocyanfärbung der Achse	Inflorescencia: pigmentación antocianica del eje		
QN	(c)	absent or weak	absente ou faible	fehlend oder schwach	ausente o débil	Ishigaki Sango, Sunrise, Tainung N° 1	1
		medium	moyenne	mittel	media		2
		strong	forte	stark	fuerte		3

*Proposed wording:*

21.	VG	Inflorescence: anthocyanin coloration of axis	Inflorescence : pigmentation anthocyanique de l'axe	Blütenstand: Anthocyanfärbung der Achse	Inflorescencia: pigmentación antocianica del eje		
QN	(c)	absent or weak	absente ou faible	fehlend oder schwach	ausente o débil	Ishigaki Sango, Sunrise, Tainung N° 1	1
		medium	moyenne	mittel	media		2
		strong	forte	stark	fuerte	<u>Tangkai hitam</u>	3



Characteristic 22 "Flower: length of corolla"

*Current wording:*

22. (+)	VG/M S	Flower: length of corolla	Fleur : longueur de la corolle	Blüte: Länge der Krone	Flor: longitud de la corola		
QN	(d)	short	courte	kurz	corta		3
		medium	moyenne	mittel	media	Sunrise	5
		long	longue	lang	larga	Tainung N° 1	7

*Proposed wording:*

22. (+)	VG/ MS	Flower: length of corolla	Fleur : longueur de la corolle	Blüte: Länge der Krone	Flor: longitud de la corola		
QN		short	courte	kurz	corta	<u>BT-3</u>	3
		medium	moyenne	mittel	media	<u>Sunrise BT-1</u>	5
		long	longue	lang	larga	<u>Tainung N° 1 Dampit</u>	7

Characteristic 23 "Flower: color of corolla"

*Current wording:*

23. (+)	VG	Flower: color of corolla	Fleur : couleur de la corolle	Blüte: Farbe der Krone	Flor: color de la corola		
PQ	(d)	white	blanche	weiß	blanca		1
		cream	crème	cremefarben	crema	Sunrise, Tainung N° 1	2
		yellow	jaune	gelb	amarilla		3
		green	verte	grün	verde		4
		purple	pourpre	purpurn	púrpura		5

*Proposed wording:*

23. (+)	VG	Flower: color of corolla	Fleur : couleur de la corolle	Blüte: Farbe der Krone	Flor: color de la corola		
PQ		white	blanche	weiß	blanca	<u>Morib</u>	1
		cream	crème	cremefarben	crema	<u>Eksoitika, Sunrise, Tainung N° 1</u>	2
		yellow	jaune	gelb	amarilla		3
		green	verte	grün	verde		4
		purple	pourpre	purpurn	púrpura	<u>Sabah Yellow</u>	5

Characteristic 24 “Peduncle: length”

*Current wording:*

24. (*)	VG/ MS	Peduncle: length	Pédoncule : longueur	Stiel: Länge	Pedúnculo: longitud		
QN	(e)	short	court	kurz	corta	Ishigaki Sango, Sunrise	3
		medium	moyen	mittel	media		5
		long	long	lang	larga	Dampit, Semangko, Tainung N° 1	7

*Proposed wording:*

24. (*)	VG/ MS	Peduncle: length	Pédoncule : longueur	Stiel: Länge	Pedúnculo: longitud		
QN	(d)	short	court	kurz	corta	Ishigaki Sango, Sunrise	3
		medium	moyen	mittel	media	<u>Sekaki</u>	5
		long	long	lang	larga	Dampit, Semangko, <u>Tainung N° 1</u>	7

Characteristic 27 “Fruit: ratio length/ diameter”

*Current wording:*

27. (*)	VG/ MS	Fruit: ratio length/ diameter	Fruit : rapport longueur/diamètre	Frucht: Verhältnis Länge/Durchmesser	Fruto: relación longitud/diámetro		
QN	(e)	slightly elongated	légèrement allongé	leicht langgezogen	ligeramente alargado	Sunrise	3
		moderately elongated	modérément allongé	mäßig langgezogen	moderadamente alargado	Ishigaki Sango	5
		very elongated	très allongé	sehr langgezogen	muy alargado	Cera	7

*Proposed wording:*

27. (*)	VG/ MS	Fruit: ratio length/ diameter	Fruit : rapport longueur/diamètre	Frucht: Verhältnis Länge/Durchmesser	Fruto: relación longitud/diámetro		
QN	(d)	<u>slightly</u> <del>very</del> elongated	<del>légèrement</del> <u>très</u> allongé	<del>leicht</del> <u>sehr</u> langgezogen	<del>ligeramente</del> <u>muy</u> alargado	<del>Sunrise</del> <u>Cera, Dampit</u>	3
		moderately elongated	modérément allongé	mäßig langgezogen	moderadamente alargado	Ishigaki Sango, <u>Sekaki</u>	5
		<del>very</del> <u>slightly</u> elongated	<del>très</del> <u>légèrement</u> allongé	<del>sehr</del> <u>leicht</u> langgezogen	<del>muy</del> <u>ligeramente</u> alargado	<del>Cera</del> <u>Eksotika, Sunrise</u>	7

Characteristic 28 "Fruit: shape"

*Current wording:*

28. (* (+)	VG	Fruit: shape	Fruit : forme	Frucht: Form	Fruto: forma	
PQ	(e)	ovate	ovale	eiförmig	oval	1
		elliptic	elliptique	elliptisch	elíptico	Ishigaki Sango 2
		obovate	obovale	verkehrt eiförmig	oboval	Du Roi Solo, Red Lady 3
		pyriform	piriforme	birnenförmig	piriforme	Kapoho, Rainbow 4
		oblong	oblong	rechteckig	oblongo	Amarela 5
		obovate waisted	obovale étranglée	verkehrt eiförmig tailliert	oboval entallado	BT-1 6

*Proposed wording:*

28. (* (+)	VG	Fruit: shape	Fruit : forme	Frucht: Form	Fruto: forma	
PQ	(d)	ovate	ovale	eiförmig	oval	<u>Cariflora</u> 1
		elliptic	elliptique	elliptisch	elíptico	<u>Eksitika</u> , Ishigaki Sango 2
		obovate	obovale	verkehrt eiförmig	oboval	Du Roi Solo, Red Lady 3
		pyriform	piriforme	birnenförmig	piriforme	Kapoho, Rainbow 4
		oblong	oblong	rechteckig	oblongo	Amarela, <u>Sekaki</u> 5
		obovate waisted	obovale étranglée	verkehrt eiförmig tailliert	oboval entallado	BT-1 6

Characteristic 31 "Fruit: main color"

*Current wording:*

31. (*)	VG	Fruit: main color	Fruit : couleur principale	Frucht: Hauptfarbe	Fruto: color principal		
PQ	(f)	green	verte	grün	verde	Sari Gading	1
		yellow green	vert jaune	gelbgrün	verde amarillento		2
		yellow	jaune	gelb	amarillo	Amarela, Kapoho, Tainung N° 1	3
		medium orange	orange moyen	mittelorange	anaranjado medio	Ishigaki Sango, Maradol, Mulata	4
		dark orange	orange foncé	dunkelorange	anaranjado oscuro	Mamey	5

*Proposed wording:*

31. (*)	VG	Fruit: main color	Fruit : couleur principale	Frucht: Hauptfarbe	Fruto: color principal		
PQ	(e)	green	verte	grün	verde	Sari Gading	1
		yellow green	vert jaune	gelbgrün	verde amarillento	<u>BT-K, Sabah Yellow</u>	2
		yellow	jaune	gelb	amarillo	Amarela, Kapoho, <u>Tainung</u> <u>Tainung N° 1</u>	3
		medium orange	orange moyen	mittelorange	anaranjado medio	Ishigaki Sango, Maradol, Mulata	4
		dark orange	orange foncé	dunkelorange	anaranjado oscuro	<u>Dampit</u> , Mamey	5

Characteristic 32 "Fruit: ridges"

*Current wording:*

32.	VG	Fruit: ridges	Fruit : cannelures	Frucht: Rippen	Fruto: aristas		
(+)							
QN	(f)	absent or very weak	absentes ou très faibles	fehlend oder sehr schwach	ausentes o muy débiles	Ishigaki Sango, Sunrise, Tainung N° 1	1
		weak	faibles	schwach	débiles		2
		moderate	modérées	mittel	moderadas		3
		strong	fortes	stark	fuertes		4

*Proposed wording:*

32.	VG	Fruit: ridges	Fruit : cannelures	Frucht: Rippen	Fruto: aristas		
(+)							
QN	(e)	absent or very weak	absentes ou très faibles	fehlend oder sehr schwach	ausentes o muy débiles	Ishigaki Sango, Sunrise, Tainung Tainung N° 1	1
		weak	faibles	schwach	débiles	BT-4	2
		moderate	modérées	mittel	moderadas	Simangko	3
		strong	fortes	stark	fuertes	Dampit	4

Characteristic 34 "Fruit: thickness of skin"

*Current wording:*

34.	VG	Fruit: thickness of skin	Fruit : épaisseur de l'épiderme	Frucht: Dicke der Schale	Fruto: grosor de la piel		
(*) (+)							
QN	(f)	thin	mince	dünn	delgada		1
		medium	moyenne	mittel	media	Sunrise	2
		thick	épaisse	dick	gruesa	Tainung N° 1	3

*Proposed wording:*

34.	VG	Fruit: thickness of skin	Fruit : épaisseur de l'épiderme	Frucht: Dicke der Schale	Fruto: grosor de la piel		
(*) (+)							
QN	(e)	thin	mince	dünn	delgada	BT-3	1
		medium	moyenne	mittel	media	Eksoatika, Sunrise	2
		thick	épaisse	dick	gruesa	Dampit, Tainung N° 1	3

Characteristic 36 "Fruit: firmness of flesh"

*Current wording:*

36.	VG	Fruit: firmness of flesh	Fruit : fermeté de la chair	Frucht: Festigkeit des Fleisches	Fruto: firmeza de la pulpa		
QN	(f)	soft	molle	weich	blanda	Cera, Mamey	3
		medium	moyenne	mittel	media	Maradol	5
		firm	ferme	fest	firme	Sunrise, Tainung N 1	7

*Proposed wording:*

36.	VG	Fruit: firmness of flesh	Fruit : fermeté de la chair	Frucht: Festigkeit des Fleisches	Fruto: firmeza de la pulpa		
QN	(e)	soft	molle	weich	blanda	Cera, Mamey	3
		medium	moyenne	mittel	media	Maradol	5
		firm	ferme	fest	firme	<u>Sekaki, Sunrise, Tainung N° 1</u>	7

Characteristic 38 "Fruit: aroma of flesh"

*Current wording:*

38.	VG	Fruit: aroma of flesh	Fruit : arôme de la chair	Frucht: Aroma des Fleisches	Fruto: aroma de la pulpa		
QN	(f)	weak	faible	schwach	débil	Maradol	1
		moderate	modéré	mittel	moderado	Ishigaki Sango, Sunrise	2
		strong	fort	stark	fuerte	Cera	3

*Proposed wording:*

38.	VG	Fruit: aroma of flesh	Fruit : arôme de la chair	Frucht: Aroma des Fleisches	Fruto: aroma de la pulpa		
QN	(e)	weak	faible	schwach	débil	<u>Maradol Callina, Sekaki</u>	1
		moderate	modéré	mittel	moderado	Ishigaki Sango, Sunrise	2
		strong	fort	stark	fuerte	<u>Cera, Eksotika</u>	3

Characteristic 39 "Fruit: abundance of placental tissue"

*Current wording:*

39.	VG	Fruit: abundance of placental tissue	Fruit : abondance de tissu placentaire	Frucht: Menge des plazentalen Gewebes	Fruto: abundancia de tejido placentario		
QN	(f)	scarce	rare	gering	escaso	Mamey	3
		moderate	moyen	mittel	moderado	Sunrise, Tainung N° 1	5
		abundant	abondant	groß	abundante	Cera	7

*Proposed wording:*

39.	VG	Fruit: abundance of placental tissue	Fruit : abondance de tissu placentaire	Frucht: Menge des plazentalen Gewebes	Fruto: abundancia de tejido placentario		
QN	(e)	scarce	rare	gering	escaso	<u>BT-1</u> , Mamey	3
		moderate	moyen	mittel	moderado	<u>Eksoitika</u> , Sunrise, <u>Tainung N° 1</u>	5
		abundant	abondant	groß	abundante	<u>BT-3</u> , Cera	7

Characteristic 40 "Fruit: width of central cavity"

*Current wording:*

40.	VG/M S (+)	Fruit: width of central cavity	Fruit : largeur de la cavité centrale	Frucht: Breite der zentralen Höhlung	Fruto: anchura de la cavidad central		
QN	(f)	narrow	étroite	eng	estrecha	Sunrise	3
		medium	moyenne	mittel	media	Ishigaki Sango, Tainung N° 1	5
		broad	large	breit	amplia	Dampit, Semangko	7

*Proposed wording:*

40.	VG/ MS (+)	Fruit: width of central cavity	Fruit : largeur de la cavité centrale	Frucht: Breite der zentralen Höhlung	Fruto: anchura de la cavidad central		
QN	(e)	narrow	étroite	eng	estrecha	<u>Sekaki</u> , Sunrise	3
		medium	moyenne	mittel	media	Ishigaki Sango, <u>Tainung</u> <u>Tainung N° 1</u>	5
		broad	large	breit	amplia	Dampit, Semangko	7



Characteristic 41 "Fruit: shape of central cavity"

*Current wording:*

41. (*) (+)	VG	Fruit: shape of central cavity	Fruit : forme de la cavité centrale	Frucht: Form der zentralen Höhlung	Fruto: forma de la cavidad central	
PQ	(f)	circular	circulaire	rund	circular	1
		angular	angulaire	winklig	angular	Tainung N° 1 2
		star-shaped	en forme d'étoile	sternförmig	estrellada	Du Roi Solo, Ishigaki Sango, Sunrise 3
		stellate	étoilée	sternförmig	estrellada	BT-2 4
		irregular	irrégulière	unregelmäßig	irregular	Simangko 5

*Proposed wording:*

41 (*) (+)	VG	Fruit: shape of central cavity	Fruit : forme de la cavité centrale	Frucht: Form der zentralen Höhlung	Fruto: forma de la cavidad central	
PQ	(e)	circular	circulaire	rund	circular	<u>Niensee</u> 1
		angular	angulaire	winklig	angular	<u>BT-K</u> , Tainung N° 1 2
		star-shaped	en forme d'étoile	sternförmig	<del>estrellada</del> <u>forma de estrella</u>	Du Roi Solo, Ishigaki Sango, Sunrise 3
		stellate	étoilée	sternförmig	estrellada	BT-2 4
		irregular	irrégulière	unregelmäßig	irregular	Simangko 5

Characteristic 43 "Seed: color"

*Current wording:*

43.	VG	Seed: color	Graine : couleur	Samen: Farbe	Semilla: color		
PQ	(e)	grey yellow	jaune gris	graugelb	amarillo grisáceo	BT-K	1
		grey	grise	grau	gris	Dampit	2
		medium brown	brun moyen	mittelbraun	marrón medio	Tainung N° 1	3
		dark brown	brun foncé	dunkelbraun	marrón oscuro	Sunrise	4
		black	noire	schwarz	negro	Maradol	5

*Proposed wording:*

43.	VG	Seed: color	Graine : couleur	Samen: Farbe	Semilla: color		
PQ	(d)	grey yellow	jaune gris	graugelb	amarillo grisáceo	BT-K	1
		grey	grise	grau	gris	Dampit	2
		medium brown	brun moyen	mittelbraun	marrón medio	<del>Tainung N° 1</del> Eksoitika	3
		dark brown	brun foncé	dunkelbraun	marrón oscuro	<del>Sunrise</del> BT-1, Sekaki	4
		black	noire	schwarz	negro	Maradol, Morib	5

Characteristic 44 "Seed: length"

*Current wording:*

5.	VG/ MG	Seed: length	Graine : longueur	Samen: Länge	Semilla: longitud		
QN	(e)	short	courte	kurz	corta	BT-K	3
		medium	moyenne	mittel	media	Sunrise, Tainung N° 1	5
		long	longue	lang	larga	Cera, Dampit	7

*Proposed wording:*

44.	VG/ MS	Seed: length	Graine : longueur	Samen: Länge	Semilla: longitud		
QN	(d)	short	courte	kurz	corta	BT-K	3
		medium	moyenne	mittel	media	<del>BT-1</del> Sunrise, <del>Tainung N° 1</del>	5
		long	longue	lang	larga	Cera, Dampit	7

Characteristic 46 "Seed: ratio length/width"

*Current wording:*

46.	VG/M G	Seed: ratio length/width	Graine : rapport longueur/largeur	Samen: Verhältnis Länge/Breite	Semilla: relación longitud/anchura		
QN	(e)	compressed	comprimé	zusammengedrückt	comprimida	BT-1	1
		circular	circulaire	kreisförmig	circular	Sunrise, Tainung N° 1	2
		elongated	allongé	langgezogen	alargada		3

*Proposed wording:*

46.	VG/ MS	Seed: ratio length/width	Graine : rapport longueur/largeur	Samen: Verhältnis Länge/Breite	Semilla: relación longitud/anchura		
QN	(d)	<del>compressed</del> elongated	<del>comprimé</del> allongé	<del>zusammengedrückt</del> langgezogen	<del>comprimida</del> alargada	<del>BT-1</del>	1
		circular	circulaire	kreisförmig	circular	Sunrise, Tainung N°1	2
		elongated <del>compressed</del>	allongé <del>comprimé</del>	langgezogen <del>zusammengedrückt</del>	alargada <del>comprimida</del>	<del>BT-1</del>	3

Characteristic 48 "Seed: amount of mucilage"

*Current wording:*

48.	VG	Seed: amount of mucilage	Graine : quantité de mucilage	Samen: Menge Schleim	Semilla: cantidad de mucilago		
QN	(e)	small	petite	gering	pequeña		1
		moderate	modérée	mittel	moderada	Sunrise, Tainung N 1	2
		large	grande	groß	grande	Cera	3

*Proposed wording:*

48.	VG	Seed: amount of mucilage	Graine : quantité de mucilage	Samen: Menge Schleim	Semilla: cantidad de mucilago		
QN	(d)	small	petite	gering	pequeña	<del>BT-3</del>	1
		moderate	modérée	mittel	moderada	Sunrise, Tainung N 1	2
		large	grande	groß	grande	<del>BT-3</del> Cera	3