

Technical Working Party for Vegetables**TWV/52/7****Fifty-Second Session****Original:** English**Beijing, China, September 17 to 21, 2018****Date:** August 10, 2018

PARTIAL REVISION OF THE TEST GUIDELINES FOR WATERMELON*Document prepared by an expert from the Netherlands**Disclaimer: this document does not represent UPOV policies or guidance*

1. The purpose of this document is to present a proposal for a partial revision of the Test Guidelines for Watermelon (document TG/142/5).
2. The Technical Working Party for Vegetables (TWV), at its fifty-first session, held in Roelofarendsveen, Netherlands, from July 3 to July 7, 2017, agreed that the Test Guidelines for Watermelon (document TG/142/5) be partially revised for Characteristics 34, 35 and 36 (see document TWV/51/16 "Report", Annex IV).
3. The following changes are proposed:
 - (a) Proposal to change states of expression and notes of Characteristic 35 "Only diploid and tetraploid varieties: Seed: area of over color in relation to that of ground color" and Characteristic 36 "Only diploid and tetraploid varieties: Seed: patches at hilum"
 - (b) Proposal to change the explanations of Characteristics 33 "Only diploid and tetraploid varieties: Seed: ground color of testa", 34 "Only diploid and tetraploid varieties: Seed: over color of testa", Characteristic 35 "Only diploid and tetraploid varieties: Seed: area of over color in relation to that of ground color" and Characteristic 36 "Only diploid and tetraploid varieties: Seed: patches at hilum"

Proposal to change states of expression and notes of Characteristic 35 “Only diploid and tetraploid varieties: Seed: area of over color in relation to that of ground color” and Characteristic 36 “Only diploid and tetraploid varieties: Seed: patches at hilum”

Current wording:

	<u>English</u>	<u>français</u>	<u>deutsch</u>	<u>español</u>	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
35. VG (+)	<u>Only diploid and tetraploid varieties:</u> Seed: area of over color in relation to that of ground color	<u>Variétés diploïdes et tétraploïdes</u> <u>seulement</u> : Graine : surface du lavis par rapport à celle de la couleur de fond	<u>Nur diploide und tetraploide Sorten:</u> Samen: Anteil der Deckfarbe im Vergleich zur Grundfarbe	<u>Sólo variedades diploides y tetraploides:</u> Semilla: área del color superior en relación con el del color de fondo		
QN (d)	very small	très petite	sehr klein	muy pequeña	Estela roja	1
	small	petite	klein	pequeña	Sugar Baby	3
	medium	moyenne	mittel	media	Crimson Sweet	5
	large	grande	groß	grande	Furia	7
	very large	très grande	sehr groß	muy grande	Starlich	9
36. VG (+)	<u>Only diploid and tetraploid varieties:</u> Seed: patches at hilum	<u>Variétés diploïdes et tétraploïdes</u> <u>seulement</u> : Graine : taches sur le hile	<u>Nur diploide und tetraploide Sorten:</u> Samen: Flecken am Nabel	<u>Sólo variedades diploides y tetraploides:</u> Semilla: manchas en el hilo		
QN (d)	absent or very weak	absentes ou très faibles	fehlend oder sehr schwach	ausentes o muy débil	Daisen, Kahô	1
	medium	moyennes	mittel	media	Kurobe, Rattle Snake, Yamato 3	2
	strong	fortes	stark	fuerte		3

Proposed new wording

	<u>English</u>	<u>français</u>	<u>deutsch</u>	<u>español</u>	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
35. VG (+)	<u>Only diploid and tetraploid varieties:</u> Seed: area of over color in relation to that of ground color	<u>Variétés diploïdes et tétraploïdes</u> <u>seulement</u> : Graine : surface du lavis par rapport à celle de la couleur de fond	<u>Nur diploide und tetraploide Sorten:</u> Samen: Anteil der Deckfarbe im Vergleich zur Grundfarbe	<u>Sólo variedades diploides y tetraploides:</u> Semilla: área del color superior en relación con el del color de fondo		
QN (d)	absent or very small	absente ou très petite	fehlend oder sehr klein	ausente o muy pequeña	Estela roja	1
	small	petite	klein	pequeña	Sugar Baby	3
	medium	moyenne	mittel	media	Crimson Sweet	5
	large	grande	groß	grande	Furia	7
	very large	très grande	sehr groß	muy grande	Starlich	9
36. VG (+)	<u>Only diploid and tetraploid varieties:</u> Seed: patches at hilum	<u>Variétés diploïdes et tétraploïdes</u> <u>seulement</u> : Graine : taches sur le hile	<u>Nur diploide und tetraploide Sorten:</u> Samen: Flecken am Nabel	<u>Sólo variedades diploides y tetraploides:</u> Semilla: manchas en el hilo		
QN (d)	absent or very weak	absentes ou très faibles	fehlend oder sehr schwach	ausentes o muy débil	Daisen, Kahô	1
	medium	moyennes	mittel	media	Kurobe, Rattle Snake, Yamato 3	2
	strong	fortes	stark	fuerte		3
	<u>present</u>	<u>présentes</u>	<u>vorhanden</u>	<u>presentes</u>		9

Proposal to change the explanations of Characteristics Characteristics 33 “Only diploid and tetraploid varieties: Seed: ground color of testa”, 34 “Only diploid and tetraploid varieties: Seed: over color of testa”, Characteristic 35 “Only diploid and tetraploid varieties: Seed: area of over color in relation to that of ground color” and Characteristic 36 “Only diploid and tetraploid varieties: Seed: patches at hilum”

Current wording

Ad. 33: Only diploid and tetraploid varieties: Seed: ground color of testa

The ground color is the first color of the testa to appear during the development of the seed. The over color is the color that develops over time upon the ground color, and appears as black spots.



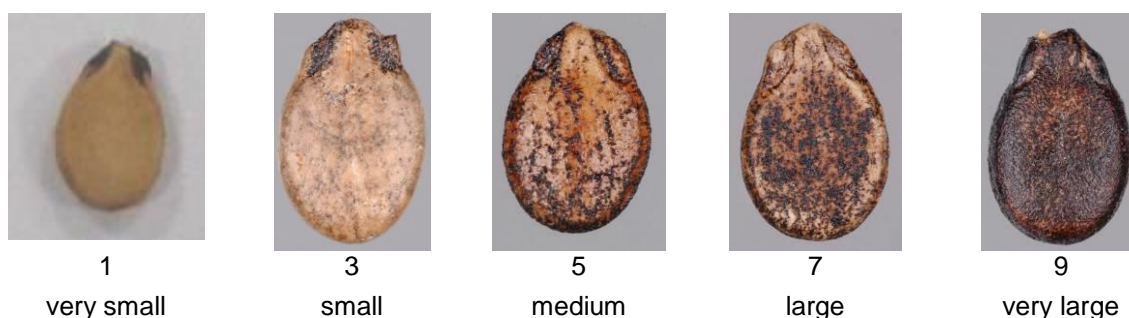
Ad. 34: Only diploid and tetraploid varieties: Seed: over color of testa

The ground color is the first color of the testa to appear during the development of the seed. The over color is the color that develops over time upon the ground color, and appears as black spots.



Ad. 35: Only diploid and tetraploid varieties: Seed: area of over color in relation to that of ground color

The ground color is the first color of the testa to appear during the development of the seed. The over color is the color that develops over time upon the ground color, and appears as black spots.



Ad. 36: Only diploid and tetraploid varieties: Seed: patches at hilum



Proposed new wording

Ad. 33: Only diploid and tetraploid varieties: Seed: ground color of testa

The ground color is the first color of the testa to appear during the development of the seed. The over color is the color that develops over time upon the ground color, and appears as black spots.



Photos 1, 2, 3, 4, 5, 7: Courtesy of KANDA Seed Co.

Ad. 34: Only diploid and tetraploid varieties: Seed: over color of testa

The ground color is the first color of the testa to appear during the development of the seed. The over color is the color that develops over time upon the ground color, and appears as black spots.



Photo 1(left), Photo 9(right): Courtesy of KANDA Seed Co.

Ad. 35: Only diploid and tetraploid varieties: Seed: area of over color in relation to that of ground color

The ground color is the first color of the testa to appear during the development of the seed. The over color is the color that develops over time upon the ground color, and appears as black spots. The patches directly around the hilum should be excluded from the observation.



Ad. 36: Only diploid and tetraploid varieties: Seed: patches at hilum



Photo 1(left): Courtesy of KANDA Seed Co.