

TWO/48/19 Add. ORIGINAL: English DATE: November 12, 2015

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

TECHNICAL WORKING PARTY FOR ORNAMENTAL PLANTS AND FOREST TREES

Forty-Eighth Session Cambridge, United Kingdom, September 14 to 18, 2015

ADDENDUM TO

DEFINITION OF COLOR GROUPS FROM RHS COLOUR CHARTS

Document prepared by the Office of the Union

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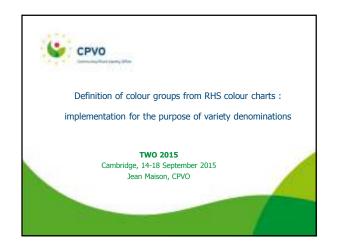
1. The Annexes to this document contain the following presentations on definition of color groups from RHS Colour Charts made at the forty-eighth session of the Technical Working Party for Ornamental Plants and Forest Trees (TWO):

- ANNEX I Definition of color groups from RHS Colour Charts: implementation for the purpose of variety denominations (Community Plant Variety Office of the European Union CPVO)
- ANNEX II How varieties were allocated to color groups (Japan)
- ANNEX III Color: gaps in the RHS Colour Chart? (United Kingdom)
- ANNEX IV RHS Colour Chart (Royal Horticultural Society RHS)

[Annexes follow]

ANNEX I

Presentation by the Community Plant Variety Protection Office of the European Union (CPVO)









Application documents, annexed photograph



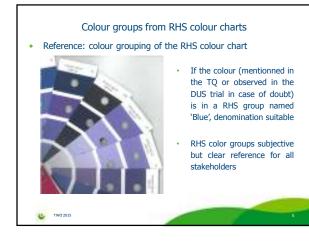
Denomination proposal 'Blue Sky'

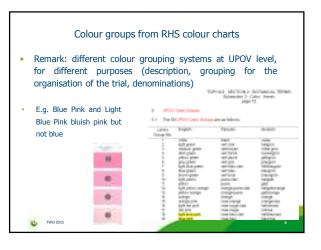


Digital picture

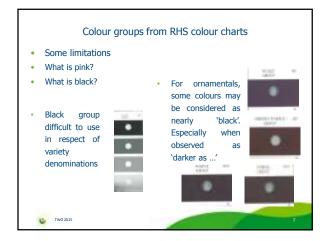
Printout

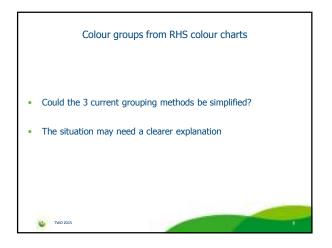
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[Annex II follows]

ANNEX II

Presentation by Japan

MAFE

How varieties were allocated to color groups

USE of RHS Colour chart

Kenji NUMAGUCHI PVP Office , New Business and Intellectual Property Division, Food Industry Affairs Bureau, MAFF, JAPAN Sept.15,2015, Cambridge, UK. 48th TWO UPOV

As a examiner

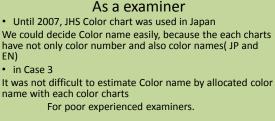
There are two types of color characteristics in TGs. a: To describe Color chart reference number RHS colour chart (indicate reference number) characteristics : Leaf color, Flower color, etc. b: To describe Color name

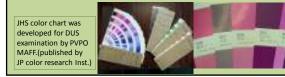
white, yellow, yellow orange, orange, pink, red

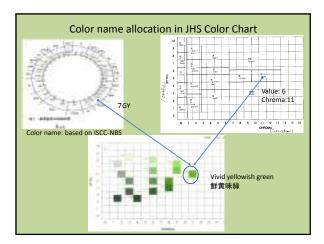
in case of no example varieties

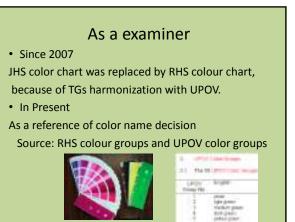
As a examiner

In case of b, To describe Color name
 There are different situations
 Case 1 white, red → easy decision
 Case 2 white, pink, red → rather easy
 Case 3 white, light yellow, yellow, yellow orange orange, orange red, red → not easy in some cases









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For breeder

• TQ characteristics

It is need to chose a color name from color groups in many cases.

How they decide color name

- Choose color name by their experience.
- (but color naming might be different by breeder, crops.)
- In case of less experience, If the color chart have color name, it will be helpful to choose color name.

Color name presence

Benefit

In case there are many color choice in TQ, color chart corroboration is effective for (less experienced) examiners and breeders.



Absent color name in UPOV 50 colors

Example

orange yellow:

Rose Chr.49 Petal: color of basal spot

purple pink, red pink:

Alstroemeria: Chr.8 Flower: main color

brown yellow, red brown:

Lily: Chr.33 Tepal: color of papillae and/or spots

pink purple, blue puple:

Gladiolus: Chr.47 Anther: color of stom other examples in ornamentals will be there

Absent color name in UPOV 50 colors

Choice of solutions

- These TGs, to consider in future revision
- Color name addition or modification of UPOV 50 colors
- Other possibilities?

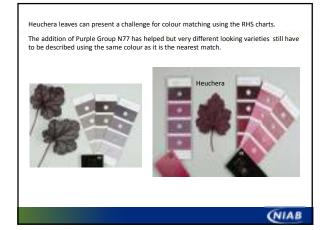
Thank you for your attention.

ANNEX III

Presentation by the United Kingdom

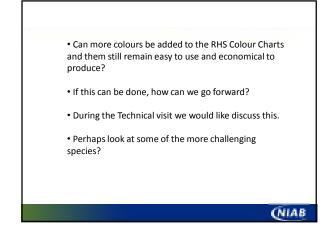






Only a small range of the colours on Fan 3 are regularly used in our assessment of leaf colour. The most frequently used are Green Group 137 and Green N137, and Yellow-Green group 144, 146 and 147. Many of the colours on this fan appear very artificial compared with the plant material.





ANNEX IV

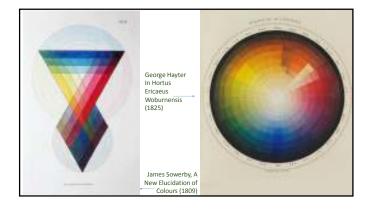
Presentation by the Royal Horticultural Society (RHS)

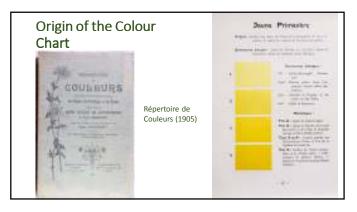


Scope of the presentation

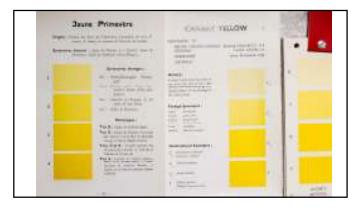
- The origin of a colour chart for plants
- The RHS's role
- $\ensuremath{\,^{\rm th}}$ How we produced the 6^{th} Edition
- · Looking ahead to the next edition



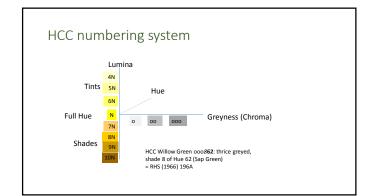








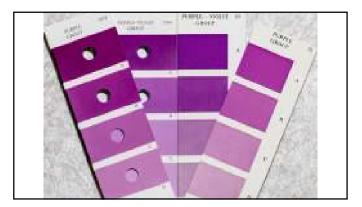
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Edition	Date	Number of colours	Price
1 st	1966	808	£4.45
2 nd	1986	808	£28.75
3 rd	1995	808	
4 th	2001	884	£135
5 th	2007	896	£170
6 th	2015	916	£199

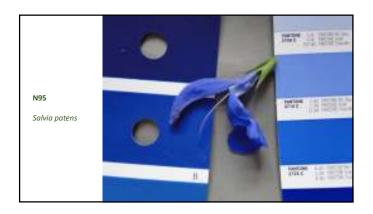
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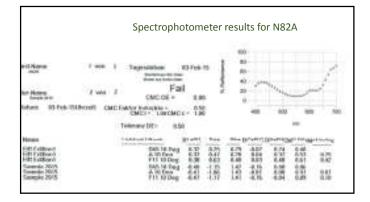
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Looking ahead to the next edition

- Missing colours we've already started!
- Correct for "colour-drift"
- Re-analyse to check
 CIE co-ordinates
- Seek user feedback



Colour Groups

- HCC has 18 'Colour families'
- RHS has **29** colour groups, based on the HCC colour families but adding 14 Greyed groups and Brown, White, Grey and Black
- UPOV has 50 colour groups, including greyed and tonal (light/dark) differences
- UPOV colour groups do not map consistently onto the RHS colour chart

[End of Annex IV, and of document]