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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS Geneva

TECHNICAL WORKING PARTY FOR VEGETABLES

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ADDENDUM TO

EXPERIENCES WITH NEW TYPES AND SPECIES

Document prepared by the Office of the Union

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1. The Annexes to this document contain the following presentations made at the forty-ninth session of the Technical Working Party for Vegetables (TWV):

- ANNEX I Stevia (France)
- ANNEX II DUS test seaweed at Naktuinbouw (Netherlands)
- ANNEX III Domestication of *Zataria multiflora* Boiss. (Shirazi Thyme) in Oman Proposed Protocol for DUS Test (Oman)
- ANNEX IV Solanum pimpinellifolium x Solanum habrochaites A new interspecific cross for tomato rootstock (Spain)

[Annexes follow]













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[Annex II follows]

ANNEX II













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[Annex IV follows]

ANNEX IV



CENTRO DE EVALUACIÓN DE VARIEDADES DE VALENCIA (SPAIN)

Solanum pimpinellifolium x Solanum habrochaites

A new interspecific cross for tomato rootstock

(TWV/49 June of 2015)







Variety of the new species medium

absent

- 14 Fruit: conspicuousness of meridian stripes
- 21 Auto-necrosis
- 2. Common characteristics but with different notes

2 7 1

2

26/16 Fruit: size very small
37/19 Fruit: color at maturity yellowish

Therefore in principle the TG 291 (tomato rootstocks) seems more appropriate



	Differential characteristics between both TGs 3. Characteristics in the TG 44/11 rev but not in the TG 291 Plant: growth type Leaf: attitude
0	Leaf: type of blade
5	Leaf: attitude of petiole of leaflet in relation to main axis
6	Inflorescence: type
7	Flower: color
8	Flower: pubescence of style
9	Peduncle: abscission layer
4	Fruit: intensity of green color excluding shoulder (before maturity)
5	Fruit: green stripes (before maturity)
7	Fruit: ratio length/diameter
9	Fruit: ribbing at peduncle end
0	Fruit: depression at peduncle end
1	Fruit: size of peduncle scar
2	Fruit: size of blossom scar
3	Fruit: shape at blossom end
4	Fruit: diameter of core in cross section in relation to total diameter
5	Fruit: thickness of pericarp
8	Fruit: color of flesh (at maturity)
9	Fruit: glossiness of skin
0	Fruit: color of epidermis
2	Fruit: shelf-life

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Observations on the trial

- The leaf is similar to those of S. lycopersicum L. x S. habrochaites
 No needs, the differential characteristics of leaf
- The **flower** is similar to those of S. lycopersicum L. x S. habrochaites
 No needs the differential characteristics of flower
- The fruit is similar to those of S. lycopersium L. x S. habrochaites
 Except the size of the fruit that is smaller than the smallest of them
 Should be needed a modification of the actual scale for the characteristic size of fruit
 to add the note 1 (very small)

• The percentage of flowers that develop fruit is very low compared with varieties of other interspecific cross. May be that in the future will be suitable to add a new characteristic to describe this trait.

PROVISIONAL CONCLUSIONS:

 The TG 291/1 corr. of Tomato Rootstocks should be modified to include the species Solanum pimpinellifolium x Solanum habrochaites in the scope of the TG.
 The table of characteristics should be slightly modified .



[End of Annex IV and of document]