

DISCLAIMER

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Simplified Standard Protocol (SSP) for *Cucumis* interspecific hybrids

GEVES, FR SSP Cucumis Hybrids 001

Botanical taxon

- *Cucumis anguria* L. X *Cucumis ficifolius* A. Rich.
- *Cucumis ficifolius* A. Rich. X *Cucumis myriocarpus* Naudin

Common name (not compulsory):

- *Cucumis* interspecific hybrids

Date of this SSP

- 01 January 2019

Name of the examination office

- GEVES

Test station address:

- GEVES de Cavaillon
- 4790, route de Vignères
- 84250 LE THOR , FRANCE

Name/Email/Tel./Contact person

- Chrystelle JOUY
- chrystelle.jouy@geves.fr

Way of propagation: seeds or vegetatively

- Application received by seeds.
 - o Propagated by the crossing of the female parental line per the male parental line.

Number of growing cycles

- 2 independent growing cycles
- The second DUS cycle is not compulsory if during the first DUS cycle the distinctness and uniformity are clearly established by the Examination Office.

- List of grouping characteristics if available

Not available

Minimum of plants to be tested / observed

- 20 plants divided into 2 replicates
- For pollination and fruit set of triploid varieties:
 - o it is needed to interplant with diploid varieties in a trial lay out so that the diploid pollinisers will be close to the triploid plants. The minimum percentage of diploid plants should not be less than 30%.

Description of timing for the observations

- a summer open field growing cycle per year

Uniformity threshold

A population standard of 1 % and an acceptance probability of at least 95 % should be applied. In the case of a sample size of 20 plants, 1 off-type is allowed.

Table of characteristics if available

number	Title
1	Ploidy
2	Seedling: cotyledon size
3	Seedling: Diameter of the stem
4	Plant: type of growth
5	Stem: Main stem length
6	Stem: length of the internode of the main stem
7	Stem: length of internode of branches
8	Stem: type of hairiness
9	Stem: intensity of hairiness
10	Stem: number of tendril per node
11	Petiole: length
12	Leaf blade (in the middle third of the plant): Length
13	Leaf blade (in the middle third of the plant): width
14	Leaf blade (middle third of the plant): ratio length/width
15	Leaf blade (in the middle third of the plant): intensity of the green colour
16	Leaf blade (middle third of the plant): intensity of cutting of the lobes
17	Leaf blade (in the middle third of the plant): intensity of undulation of the margin of the leaf blade
18	Leaf blade (in the middle third of the plant): intensity of hairiness on the upper side
19	Leaf blade (in the middle third of the plant): intensity of hairiness on the lower side
20	Flower: sexual type
21	Male flower: size

22	Male flower: intensity of yellow colour
23	Male flower: pedicel length
24	Male flower: overlapping of petals.
25	Female flower: Size
26	Female flower: intensity of yellow colour
27	Female flower: Pedicel length
28	Female flower: overlapping of petals
29	Immature fruit: colour of the background
30	Immature fruit: stripes
31	Immature fruit: colour of the stripe
32	Immature fruit: type of hairiness
33	Immature fruit: Intensity of hairiness
34	Mature fruit: length
35	Mature fruit: width
36	Mature fruit: ratio length/width
37	Mature fruit: shape
38	Mature fruit: colour of the background
39	Mature fruit: stripe
40	Mature fruit: colour of stripe
41	Mature fruit: type of hairiness
42	Mature fruit: intensity of hairiness
43	Over-ripe fruit: colour of the background
44	Over-ripe fruit: stripe
45	Over-ripe fruit: colour of the stripe
46	Over-ripe fruit: type of hairiness
47	Over-ripe fruit: intensity of hairiness

Reference collection if available

Literature if available

Reproduction and cytogenetic characterization of interspecific hybrids derived from *Cucumis hystrix* Chakr. × *Cucumis sativus* L. - [J. Chen](#), [J. Staub](#), [Ch. Qian](#), [J. Jiang](#), [X. Luo](#) & [F. Zhuang](#) - *Theoretical and Applied Genetics* - volume 106, pages688–695(2003)

Interspecific Hybridization in *Cucumis* - John R. Deakin, G. W. Bohn and Thomas W. Whitaker, *Economic Botany* - [Vol. 25, No. 2 \(Apr. - Jun., 1971\)](#), pp. 195-211 (17 pages)

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New *Cucumis* Rootstocks for Melon: ‘UPV-FA’ and ‘UPV-FMy’ - Andrés Cáceres , Gorka Perpiña , María Ferriol, Belén Picó, and Carmina Gisbert -

<https://doi.org/10.21273/HORTSCI11791-17>

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