

Germplasm Resources of Cucumis melo L. from Spain

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A project designed for collecting several vegetable crop species germplasm in Spain was undertaken during 1984 and 1985. The project was partially sponsored by I.B.P.G.R./F.A.O. Cucumis melo L. specie was enclosed in this project - because it is one of the most important crops in Spain. In addition to many other crops, 180 accessions were collected from different sampling areas: Valencia, Andalucía, Cataluña, Extremadura, Castilla-La Mancha and Aragón. - Samples of all of the accessions have been sent to the National Seed Storage Laboratory, U.S D.A. of Fort Collins, U.S.A.

We have grouped the accessions according to several fruit characteristics.

Table 1. Accessions collected assembled in four groups (A,B,C and D). The - abbreviations for the observations are: D= Dry farming; S= Big size; SW=sweet flavour; E= "Escrito"(1). R= Ribbed fruits; N= Netted fruits; C= cracked fruits

Group A.- Predominant skin colour at maturity: Green or dark green. Secondary skin colour: white or yellow. Design produced by secondary skin colour: - speckled or spotted. Fruit skin texture: longitudinally wrinkled, except E-C-8. Flesh colour: white, except V-C-56, AN-C-73 and A-C-4 which have green - flesh colour.

<u>Label</u>	<u>Local name</u>	<u>Observations</u>	<u>Label</u>	<u>Local name</u>	<u>Observations</u>
V-C-2	De todo el año	E	V-C-96	Meló blanc	D
V-C-4	Tendral	-	V-C-98	Pinyonet	D
V-C-6	De piñoncillo	-	V-C-100	Piel de Sapo	-
V-C-19	Meló Groguet	D	AN-C-3	De tajadas señaladas	D,S,R
V-C-26	De todo el año	-	AN-C-15	De secano	E
V-C-29	-	S	AN-C-73	Amarillo Blanco Piñón	D,E
V-C-32	Pinyonet	E,S	C-C-7	Piel de Sapo	-
V-C-33	Piel de Sapo	-	C-C-8	Pinyonet	-
V-C-56	Piel de Sapo	-	C-C-11	-	-
V-C-67	-	SW,N	E-C-8	Punteado amarillo	-
V-C-73	Tendral	C	E-C-15	Verdejo	D,N
V-V-81	-	S	A-C-4	-	E
V-C-82	Tendral	E	A-C-9	Piel de Sapo	E
V-C-92	Pinyonet	E	A-C-17	De común	E
V-C-95	-	E	CM-C-4	-	D,E

(1): In Spain the word "escrito" is used to describe the set of lines or - marks that generally appear on the fruit skin and which look like letters or features made by a pen or some other very thin cutting object.

Group B.— Predominant skin colour at maturity: pale green, green or dark green, with no secondary skin colour. Fruit skin texture: longitudinally wrinkled - (superficial, intermediate or deep) except AN-C-2 and CM-C-3. Flesh texture: - firm. Flesh colour: white, except V-C-17, AN-C-14, E-C-1 and CM-C-2, which have green flesh colour, and C-C-12, which has salmon flesh colour.

<u>Label</u>	<u>Local name</u>	<u>Observations</u>	<u>Label</u>	<u>Local name</u>	<u>Observations</u>
V-C-11	Tendral	-	AN-C-10	Tendral	D
V-C-12	Largo	-	AN-C-11	Del país	D
V-C-17	-	E	AN-C-14	Lucena	D
V-C-22	Malacara	D,S	AN-C-20	De invierno	-
V-C-36	Tendral	S	AN-C-25	Escrito	C
V-C-37	Tendral	-	AN-C-28	Escrito	S,N
V-C-38	Tendral	-	AN-C-48	Gran Alejandro	D,E
V-C-39	Tendral	-	AN-C-50	Bolero	-
V-C-40	Tendral	-	AN-C-58	Rochet	D,E
V-C-43	De tot l'any	S	AN-C-60	-	-
V-C-44	Cabrasado	R,N	AN-C-76	Redondillo de la Cañada	D,E
V-C-46	Tendral	-	C-C-3	De agua	E
V-C-50	-	E	C-C-6	Tendral	-
V-C-52	Casero	-	C-C-12	-	S
V-C-57	Tendral	-	C-C-13	Mollerusa	D,E
V-C-66	-	-	C-C-18	Mollerusa	D,E
V-C-72	-	-	E-C-1	De Calamonte	E
V-C-76	Tendral	S	E-C-7	Verde de Holguera	D
V-C-84	De la Torre	-	E-C-16	Manto del Señor	D
V-C-90	-	D,E	E-C-28	Melona verdosa	D,S,SW,E,N,C
AN-C-2	De olor antiguo	D,C	CM-C-2	-	D,SW
AN-C-4	De olor	D,R	CM-C-3	-	-
AN-C-7	Verde gordo	D	A-C-16	De común	E
AN-C-8	Tendral negro				

Group C.— Predominant fruit skin colour at maturity: yellow; with no secondary skin colour, except: AN-C-24, E-C-3, E-C-6, E-C-19, E-C-32 which have green - spots. Fruit skin texture: longitudinally wrinkled (superficial, intermediate or deep), except for V-C-54, AN-C-6, AN-C-29, AN-C-33, AN-C-77, E-C-14, E-C-19 and E-C-29. Flesh texture: firm, except V-C-71, AN-C-6, AN-C,29 and AN-C-77. - Flesh colour: white, except V-C-54, AN-C-1, AN-C-33, AN-C-34 which have green flesh colour and V-C-42, V-C-101, E-C-10 which have salmon flesh colour.

<u>Label</u>	<u>Local name</u>	<u>Observations</u>	<u>Label</u>	<u>Local name</u>	<u>Observations</u>
V-C-23	Tendral	D	AN-C-56	Amarillo	D
V-C-30	De exportación	E	AN-C-69	Blanco	S,SP,N
V-C-34	Amarillo	-	AN-C-70	Blanco	-
V-C-41	Alficós	-	AN-C-71	Blanco	-
V-C-42	Alficós	-	AN-C-77	Loperano	D,E
V-C-54	-	SW	E-C-3	Hilo Carrete	D,N
V-C-71	Amarillo Oro	-	E-C-4	Amarillo Largo	D
V-C-80	Blanco	E	E-C-5	Redondo piel lisa	D,E,C
V-C-83	Amarillo Oro	D,E	E-C-6	Fondo amarillo	D
V-C-101	Acordonado	E	E-C-10	Amarillo	S
AN-C-1	Blanco	D	E-C-12	De Badajoz	E,C
AN-C-6	Loperos	D,S	E-C-13	Perita	D
AN-C-24*	De olor	S	E-C-14	Amarillo Alargado	D,E,C

<u>Label</u>	<u>Local name</u>	<u>Observations</u>	<u>Label</u>	<u>Local name</u>	<u>Observations</u>
AN-C-29	Ardales	D	E-C-17	Melona amarilla	D,C
AN-C-32	Ardales	D	E-C-19	Cosío	D
AN-C-33	Ardales	D,E,N	E-C-29	Melona amarilla	D,SW,E
AN-C-34	Ardales	D	E-C-32	Fondo verdoso	D
AN-C-53	Amarillo	E			

(\*): AN-C-24, without Yellow-virus syntoms.

Group D.- Predominant fruit skin colour at maturity: white, with no secondary skin colour except AN-C-5 and AN-C-49, which have spots. Fruit skin texture:- longitudinally wrinkled except E-C-30. Flesh colour: white.

<u>Label</u>	<u>Local name</u>	<u>Observations</u>	<u>Label</u>	<u>Local name</u>	<u>Observations</u>
V-C-21	Blanquet	D	AN-C-49	Ardales	D,C
V-C-35	-	S	AN-C-68	Blanco liso	D,E,R,C
AN-C-5	Castellanos	D,C	AN-C-72	Blanco	N,R,C
AN-C-19	Blanco grueso	D,E	E-C-2	Blanco liso	D,E,R,C
AN-C-31	Ardales	D	E-C-30	Melona blanca	D,E,R

Other accessions.- They have not been characterized yet. The abbreviations for the observations are: SH= short cycle; L= Long cycle; EC= Early crop; LC= Late crop.

<u>Label</u>	<u>Local name</u>	<u>Observations</u>	<u>Label</u>	<u>Local name</u>	<u>Observations</u>
V-C-28	Amarillo	-	AN-C-44	Ardales	D
V-C-31	Alficós	"flexuosus"v.	AN-C-45	Ardales	D
V-C-45	De tot l'any	-	AN-C-46	Ardales	D
V-C-47	-	sweet	AN-C-47	Ardales	D
V-C-51	Alficós	"flexuosus"v.	AN-C-55	Escrito	D
V-C-53	Alficós	",SH	AN-C-59	De Tarizna	LC
V-C-62	-	-	AN-C-63	Escrito	LC
V-C-63	-	-	AN-C-74	Capitán	D
V-C-64	-	-	AN-C-75	Segovia	D,EC
V-C-68	-	-	AN-C-78	Amarillo Onteniente	D
V-C-74	-	-	C-C-2	-	-
V-C-75	-	-	C-C-15	Morellusa	D,LC
V-C-79	Calvet	L	C-C-16	Morellusa	D,LC
V-C-87	-	-	C-C-17	Morellusa	D,LC
V-C-97	Franceset	D	C-C-19	Morellusa	D,LC
V-C-102	Calvet	-	E-C-9	Verde	L
V-C-103	-	-	E-C-11	Amarillo	-
AN-C-12	Rider de Lucena	D	E-C-18	Amarillo	D
AN-C-13	Lucena	D	E-C-20	Madura	D
AN-C-16	-	LC	E-C-21	Madura amarilla	D
AN-C-22	Escrito	-	E-C-22	Verdoso	D
AN-C-30	Ardales	D	E-C-23	Maduro negro	D
AN-C-35	Ardales	D	E-C-24	Culo de estrella	D
AN-C-36	Ardales	D	E-C-25	-	D
AN-C-37	Ardales	D	A-C-11	-	-
AN-C-38	Ardales	D	A-C-13	-	-
AN-C-39	Ardales	D	A-C-14	-	L
AN-C-41	Ardales	D	CM-C-8	-	-
AN-C-43	Ardales	D			

<u>Label</u>	<u>Local name</u>	<u>Observations</u>
AN-C-42	Ardales	D

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