No.



9900353

HHE UNIVERD SHAVES OF AMERICA

TO ALL TO WHOM THESE: PRESENTS SHALL COME: Asrth Carolina Agriculutral Research Service Dr. R.G. Gardner (breeder)

MILEUS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS OM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN CING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY TION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

TOMATO

'NC ly'

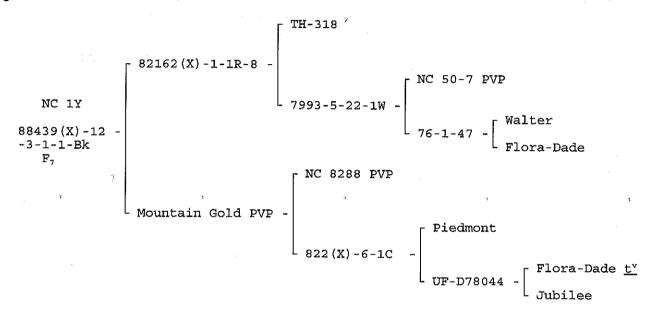
In Testimonn Mexico. I have hercunto set my hand and caused the seal of the Hunt Unviety Hrovection Office to be affixed at the City of Washington, D.C. this twenty-ninth day of Tebruary, in the year of our Lord two thousand.

Am marie The

Commissioner Plant Variety Protection Office Agricultural Marketing Service Jan Milinen

U.S. DEPARTMENT OF ACCUMANTAGE	-# 1 #p1000C#0115	1			Form Approved - OMB No. 0581-0055		
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION (APPLICATION FOR PLANT VARIETY PROTECTION ((Instructions and information collection burden statement	CERTIFICATE	The following state-manus are made in accordance with the Privacy Act of 1974 (5 U.S.C. 652a) and the Paparwork Reduction Act (PRA) of 1999. Application is required in order to determine if a plant variety protection contilicate is to be issued (1 U.S.C. 2421). Information is held confidential until optificate is issued (1 U.S.C. 2420).					
North Carolina Agricultural Resear Dr. R. G. Gardner (Breeder)	· · · · · · · · · · · · · · · · · · ·	<u> </u>	2. TEMPORARY DESIGNATI EXPERIMENTAL NAME \$8439(X)-12-3-		VARIETY NAME		
4 ADDRESS (Street and No., or R.F.O. No., City, State, and ZIP Gode, and Course			` 	 - _	,		
	-71		5 TELEPHONE (medical area 919-515-2717		FOR OFFICIAL USE ONLY		
North Carolina State University Box 7643			828-684-3562		VPO NUMBER		
Raleigh, NC 27695-7643			6 FAX (include area code)		9900353		
			828-684-8715	FI	LING DATE		
7 IF THE OWNER NAMED IS NOT A PERSON', GIVE FORM OF CREANZATION (corporation, partnership, assurated, etc.)	8 IF INCORPORATE STATE OF INCOR	D. GIVE	9 DATE OF INCORPORATIO	,			
State Governmental Agency		Colonida] i]	July 14, 1999		
Dr. Eric Young Assistant Director, NCARS 100 Patterson Hall, Box Raleigh NC 27695-76	7643 43		ceive all papers)		FILING AND EXAMINATION FEES: 5 2450 DATE 3-12-97 CERTIFICATION FEE: 5 3000 DATE 1-31-00		
11 TELEPHONE (Include area code) 12 FAX (Include area code) 919 515 774	13. E_MAI		@ncsu.edu	Toma	HO (Common Name)		
919 515 2717 919 515 774 15. GENUS AND SPECIES NAME OF CROP Lycopersicon esculentum	16. FAME	Y NAME (Bolonic anaceae		17, 80 THE V HYERIO?	ARKETY A FIRST GENERATION		
18 CHECK APPROPRIATE BOX I'OR CACH ATTACHMENT SUBMITTED (Follows reverse) a. Carbot A. Origin and Broading History of the Variety b. Carbot B. Statement of Dissinguress c. Carbot C. Objective Description of Variety d. Carbot C. Objective Description of the Variety (Optional) e. Carbot C. Additional Description of the Variety (Optional) e. Carbot C. Statement of the Easte of the Owner's Ownership Voucher Sample (2.500 viable undreated seeds in, for (sold propagate vertical) in the faster outline will be deposited and maintained in an appositery) 2. XXII Statement of the 152.450, made payable to "Treasurer of the States" (Mail to the Flant Variety Protection Disca)	rd vaniclios, ppotoved public	CERTIFIED : 20. DOES THE O OF GENERAL Y 21 #* "YES" TO	(ES (If Yes", answeritems 20 and 21 below) WMER SPECIFY THAT SEED DI	F THIS VARIETY	NO (II "no," go to imm 32) TY BE LENTED AS TO NUMBER . NO BEYOND BREEDER SEED?		
22. HAS THE VARIETY (INCLAIDING ANY HARVESTED MATERIAL) OR A HYBRID FROM THIS VARIETY BEEN SCLD, DISPOSED OF, TRANSFERRED, OR USE OTHER COUNTRIEST. YES YES YOU MUST PROVIDE THE DATE OF FRET SALE, DISPOSITION, TR. FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use speece indicates)	PRODUCED D IN THE U. S. OR	☐ YES Ø NO					
24. The owners decisin that a viable sample of basic sect of the variety will be furtisfor a future propagated variety a tissue culture will be deposited in a public reposition. The underlying demodrated variety at tissue culture will be deposited in a public reposition under the underlying demodrated or future and is entitled to protection under the provisions of Section 42 of the Plant Veriety Owner(s) is (ore) informed that lates representation havein can jeopardize protect.	propagated plant variety Protection Act.	r, aunci bodieve(s) Yh					
SIGNATURE OF GRANER		SIGNATURE OF	arby 3	J Ha	Erdner		
Johnny C. Wynne		Randolp	n crype) h G. Gardner	<u></u>			
Director, NC Agri Res Service 3/4	1/99	CAPACITY OR TO Profess (Plant	or of Horticul Breeder)		DATE		

14A. Exhibit A: Pedigree:



NC ly, an inbred line in the F_7 generation, was developed using the pedigree breeding method. The objective in the breeding program was to develop an improved tomato line with the tangerine gene (\underline{t}) for yellow-orange fruit color and improved resistance to gray wall.

Mountain Gold PVP was used as a source of the \underline{t} gene. Single plant selections were made in the F_2 through F_5 generations for gray wall resistance in field plots at Fletcher, North Carolina. A bulk of the F_6 generation was harvested to produce the F7 generation.

NC ly appeared uniform and stable in the F_4 through F_7 generations in research station field and greenhouse trials and seed increase plantings. No variant or off-type plants were observed.

Exhibit B. Novelty statement

NC 1y is most similar to the tomato variety 'Mountain Gold' PVP. It differs from 'Mountain Gold' PVP in having a high level of resistance to gray wall (Table 1). 'Mountain Gold' PVP has shown moderate to severe gray wall under some growing conditions whereas NC 1y has not exhibited gray wall symptoms in any trials.

EXHIBIT C (Tomato)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN AND SEED DIVISION
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY

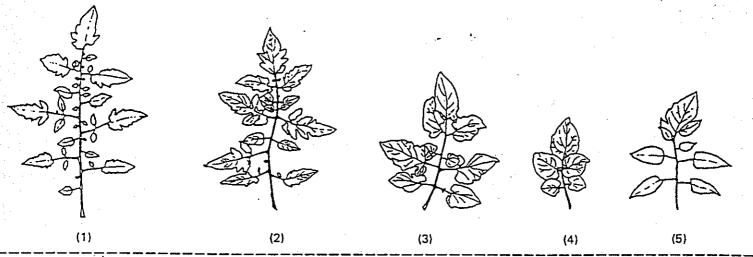
	ersicon esculentum Mill.)	
	EMPORARY DESIGNATION	VARIETY NAME
North Carolina Agricultural Research Service	NC 88439(X)-12	
Dr. R. G. Gardner (Breeder)	-3-1-1-Bk	NC ly
ADDRESS (Street and No., or R.F.D. No., City, State, and Zip Code)		FOR OFFICIAL USE ONLY
North Carolina State University		PVPO NUMBER
Box 7643 Raleigh, NC 27695-7643	• ,	9900353
2 = Campbell 37	r should be the mean of an adequant variety should be compared grown in the same trials. The yacheck whether trial data are aked	tracte-sized, unbiased sample of plants. Use leading d with at least one well-known standard check characters on this form should be described from from greenhouse or field plantings d dates of seeding and transplanting here: (94; 4/18,5/27/95; 4/18,5/28/96) (95; 5/31,7/2/96
5 = Florida MH-1 11 = Ohio MR-13 1	7 = Tropic	out topoury,
6 = Heinz 1350 12 = Red Cherry Large 1	8 = UC 82	
1. SEEDLING: 2 Anthocyanin in hypocotyl of 2-15 cm. seedling: 1 = Absent 2. MATURE PLANT (at maximum vegetative development):		f 3-4 week old seedling: 1 = Normal 2 = Compact
Growth: 1 = Indeterminate 2 = Determinate	100 Crm. Hei	ght
	= Compact 4 = Dwarf	5 = Brachytic
Size of canopy (compared to others of similar type):	= Small 2 = Medium	3 = Large
2 a 2	= Semi-erect 3 = E	rect ('Dwarf Champion')
3. STEM:		: :
Branching: 1 = Sparse ('Brehm's Solid Red', 'Fireball')	2 = Intermediate (1	Nestover') 3 = Profuse ('UC 82')
Branching at cotyledonary or first leafy node: $1 = P$	Present 2 = Absent	
No. of nodes below the first inflorescence: 1 = 1-4	2 = 4-7 3 = 7-10	4 = 10 or more .
No. of nodes between early (1st - 2nd, 2nd - 3rd) inflorescences	s. 2 No. of	nodes between later-developing inflorescences.
Pubescence on younger stems: 1 = Smooth (no long h 3 = Moderately hairy	· · · · · · · · · · · · · · · · · ·	hairy (scattered long hairs)
. LEAF (mature leaf beneath the 3rd inflorescence):		
Type: 1 = Tomato 2 = Potato ('Trip-L-Crop')	Morphology (choose illustrati	on on pg. 5 of this form that is most similar)
3 Margins of major leaflets: 1 = Nearly entire	2 = Shallowly too	othed or scalloped
3 = Deeply toothed or o		
Marginal rolling or wiltiness: 1 = Absent 2 = Slight	3 = Moderate 4 = Str	.5
Onset of leaflet rolling: 1 = Early-season	2 = Mid-season	3 = Late season

_	· .		<u> </u>					3,0353	_
1.	LEA	F (m	ature leaf beneath the						. :
	÷		Surface of major leafle	ets: 7 =	Smooth	2 = Rugose	(bumpy or veiny)		
		2	Pubescence: 1 = Sm	nooth (no long hairs)	2 = Norm	al 3 = Hi	rsute 4 = 1	Wooly	
5.	INF	LORI	SCENCE (make obser	vations on 3rd inflores	cence):			•	
		1	Type: 1	= Simple 2 =	Forked (2 major a	axes) 3 = Compo	und (much branched)	•	
	0	5	Number of flowers in	inflorescence, average				•	
		1	Leafy or "running" in	florescences: 1 =	Absent	2 = Occasional	3 = Frequent		
6,	FLO	WER	X						_
			Calyx: 1	= Normal, lobes awl-sh	naped .	2 = Macrocalyx, lobes lar	ge, leaflike 3 =	≈ Fleshy	
			Calyx-lobes: 1	= Shorter than corolla	2 = 4	Approx, equalling corolla	3 = Distinctly	y longer than corolla	
			Corolla color: 1	= Yellow 2 =	Old gold	3 = White or tan			
		2	Style pubescence:	1 = Absent	2 = Sparse	3 = Dense			
		1	Anthers: 1	= All fused into tube	2 = 5	Separating into 2 or more gr	oups at anthesis		
	ĺ	1	Fasciation (1st flower	of 2nd or 3rd infloresc	cence): 1 = /	Absent 2 = Occasio	nally present	3 = Frequently present	٠.
7.	FRI	JIT (:	3rd fruit of 2nd or 3rd	cluster): For the first	5 characters belov	v, match your variety with t	he most similar illustra	ation on pg. 5 of this form.	
	.	2	Typical fruit shape:	. [7]	Shape of transver	se section:	2 Shape of stem	ı end:	
	İ	لــــا			Shape of blossom	and	Shape of pisti	·	-
			•	2	Shape of blossom	end.	4 Shape of pisti	i scai.	
_				,				· — — — — — — — — — — — —	
• :	. }	i	Abscission layer:	1 = Present (pedicellate	e) 2 = Absent (jo	pintless) 1 Point of d	etachment of fruit at l	narvest: 1 = At pedicel joint 2 = At calyx attachme	ont.
	1	0	mm length of pedice	el (from joint to calyx a	attachment)		•	2 - At Caryx actooning	2116
	6	2	mm length of matur	e fruit (stem axis)	[0 6 1 mm lengt	h, check var. no	22	
0	7	7	. mm diameter of frui	t at widest point		0 7 9 mm diam	eter, check var. no	22	
3	0	6	g weight of mature f	ruit	• • • [3 2 0 g weight,	check vär. no	22	-
		3	No. of locules:	1 = Two	2 = Three and fo	ur 3 = Fīve or m	ore	-	
	Ĺ	1	Fruit surface:	1 = Smooth	2 = Slightly roug	h 3 = Moderate	ly rough or ribbed		
	. L	1	Fruit base color (mature-green stage):	1 = Light green ('La 3 = Apple or mediu 5 = Dark green			/-green ('Westover') een		
		1	Fruit pattern (mature-green stage):	1 = Uniform green		2 = Green-shouldered	3 = F	Radial stripes on sides of fruit	
			Shoulder color if diff	erent from base:	1 = Dark green	2 = Grey green	3 = Yell	ow green	
		3	Fruit color, full-ripe:	1 = White 6 = Brownish	2 = Yellow 7 = Greenish	3 = Orange 8 = Other (Specify)	4 = Pink	5 = Red	
		4	Flesh color, full-ripe:		2 = Pink	3 = Red/Crimson	4 = Orange	5 = Other (Specify)	
		1	Flesh color:	1 = Uniform	2 = With lighter a	and darker areas in walls			
		2	Locular gel color of t	able-ripe fruit:	1 = Green	2 = Yellow	3 = Red		
		2	Ripening:	1 =. Blossom-to-sten	end	2 = Uniform			

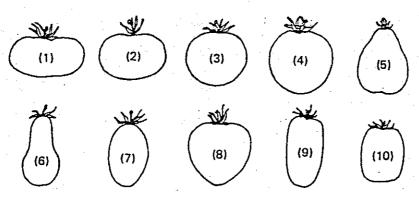
7. FR	UIT (3rd fruit of 2nd or	3rd cluster): Continued			
2	Ripening:	1 = Inside out	2 = Uniformly	3 = Outside in	9900353 Stem scar size: 1 = Small ('Roma')
2	Epidermis color:	1 = Colorless	2 = Yellow	÷	2 = Medium ('Rutgers') 3 = Large
1	Epidermis:	1 = Normal	2 = Easy-peel		Core: 1 = Coreless (absent or smaller than 6×6 mm) 2 = Present
2	Epidermis texture:	1 = Tender	2 = Average	3 = Tough	2 1163671
3	Thickness of pericarp	• • • • • • • • •	3	Thickness of peric	arp, check var. no. 2 2
		1 = Under 3 mm	2 = 3-6 mm	3 = 6-9 mm	4 = Over 9 mm
8. RE	SISTANCE TO FRUIT D	DISORDERS (Use code: 0	= Unknown, 1 = Su:	sceptible, 2 = Resistant)	
2	Blossom end rot	2 Catface		2 Fruit pox	2 Zippering
2	Blotchy ripening	2 Cracking	, concentric	2 Gold fleck	Other (Specify)
2	Bursting	2 Cracking	radial	2 Graywall	<u> </u>
9. DISI	EASE AND PEST REAC	TION (Use code: 0 = Not	tested. 1 = Suscenti	hle 2 = Resistant) NO	TE: If claim of novelty is based wholly or in substantial
Part	opon disease resistance,	triai data snould be appendi	ed. These should sp	ecify the method of tes	ting, the reaction of the application variety, and
· cacı		varieties grown in the trial	(identified by name	e).	
	VIRAL DIS	EASES:	 1	_	
	Cucumber me	osaic	O Tobacco	mosaic, Race 0	Tobacco mosaic, Race 2 ²
	O Curly top		O Tobacco	mosaic, Race 1	Tomato spotted wilt
	O Potato-Y viru	s	O Tobacco	mosaic, Race 2	Tomato yellows
	Other virus (5	Specify)	·		
	BACTERIA	AL DISEASES:			
: .	O Bacterial can	ker (Corynebacterium mici	niganense)	Bacterial spot (Xa	nthomonas vesicatorium)
	O Bacterial sof	t rot (Erwinia carotovora)		Bacterial wilt, (Pse	eudomonas solanacearum)
	O Bacterial spe	ck <i>(Pseudomonas tomato)</i>		Other bacterial dis	ease (Specify)
	FUNGAL E	DISEASES:			
	O Anthracnose	(Colletotrichum spp.)		Leaf mold, Race 1	(Cladosporium fulvum)
		ot or corky root,		Leaf mold, Race 2	
		a lycopersici)	Ī	Leaf mold, Race 3	· •
	O Collar rot or (Alternaria so	stem canker, olani)		=	aces (Specify)
	O Early blight of	defoliation	<u></u>		
	(Alternaria so	•			-
	2 Fusarium wil	t, Race 1, m f. lycopersici)		Nailhead spot (A/to	ernaria tomato)
		•	. 0	Septoria leafspot (S. lycopersici)
." .			0	Target leafspot (Co	orynespora casiicola)
	Fusarium will		2	Verticillium wilt, F	Race 1 (V. albo-atrum)
		t (Stemphylium spp.)	0		Race 2
	O Late blight, F	= -			e
	O Late blight, F	Race 1	<u>. </u>		e
	•		L		

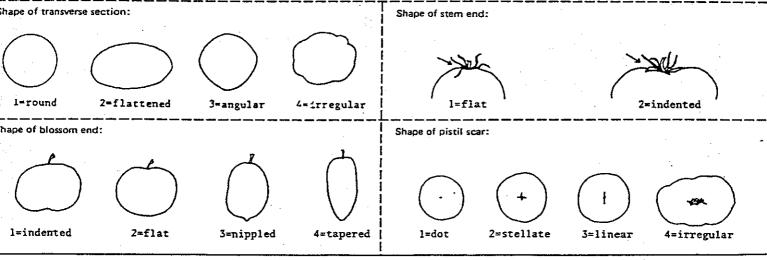
St DISEASE AND PEST REACTION (Use cod	: 0 = Not tested, 1 = Suscep	ntible, 2 = Resistant - Conti	nued)	2000-
INSECTS AND PESTS:			93	900353
O Colorado potato beetle (Leptinotarsa de	cemlineata) 0 Tom	ato hornworm (Manduca qu	uinquemaculata)	
O Southern root knot nematode (Meloidog	yne incognita) 0 Toma	sto fruitworm (Heliothis ze	ea)	
O Spider mites (Tetranychus spp.)	O White	efly <i>(Trialeurodes vaporario</i>	orum)	
Sugar beet army worm (Spodoptera exig	(Othe	r (Specify)		
Tobacco flea beetle (Epitrix hirtipennis)				
POLLUTANTS:				
O Ozone O Sulfur dio:	cide Othe	(Specify)		
 CHEMISTRY AND COMPOSITION OF F Canners Assn. Buil. 27-L. Please specify t for at least one well-known check variety 	est methods or give a referer	nce to methods used. Fill	in table below with values	for the new variety and
	SUBMITTED VARIETY	Check Variety	Check Variety	Check Variety
рH	<u> </u>			
Titratable acidity, as % citric				
Total solids (dry matter, seeds and skin remove	1)			
Soluble solids, as ^O Brix				
	ental stages either as calenda emperature used in their cak ive data for at least one chec	culation here	oC. See paper by Wa	rnock under "References"
	APPLICATION VARIETY	Check variety Mountain Gold	Check variety Flora-Dade	Check variety
Seeding to 50% flower (1 open flower on 50% of plants)	61 days	61	66	
Seed to once-over harvest (if applicable)				
1/ 1	Long ('Marglobe') Very concentrated ('UC 82')	2 = Medium ('Westover')	3 = Short, con	centrated ('VF 145')
Relative maturity in areas to	sted: 1 = Early 4 = Medium	2 = Medium early late 5 = Late	to differ b	f relative maturity is known y location or environment, lain on separate sheet).
12. ADAPTATION: If more than one category	applies, list all in rank order.			
1 = 1		reenhouse	÷	
1 / 1 & 1 ± 1	Home garden 2 = F Concentrated products	resh market 3 = W 5 = Other (Specify)	/hole-pack canning Parent in F ₁ hyb	rid
Machine harvest: 1 = 1	Not adapted 2 = A	dapted		
5 = (9 = (Northeast 2 = M	outh-central 7 Upper San Joaquin Valley	= Southeast = Intermountain West = California: Southern Sa	4 = Florida 8 = Northwest n Joaquín Valley & deserts

4. LEAF: Morphology:



7. FRUIT: Typical fruit shape:





REFERENCES

Anonymous, 1976. All About Tomatoes. Ortho Books, Chevron Chemical Co., San Francisco. In three volumes: Midwest/Northeast Edition, West Edition, and South Edition

Ware, G.W. & J. P. McCollum, 1968. Producing Vegetable Crops. The Interstate Printer & Publishers, Inc., Danville, Illinois. Chapter 30, pp. 451-473, "Tomatoes".

Warnock, S.J. 1978. Using Tomato Heat Units. Leaflet No. 6, Campbell Institute for Agricultural Research, Camden, NJ. 10 p.

Webb, R.E., T. H. Barksdale, & A. K. Stoner, 1973, "Tomatoes", pp. 344-361, <u>In:</u> Nelson, R.R. (Ed.), Breeding Plants for Disease Resistance.
Pennsylvania State University Press, University Park.

Young, P.A. & J.W. MacArthur, 1947. Horticultural characters of tomatoes. Bull. Texas Agric. Exper. Station No. 698.

Table. 1. Percent of Tomato Fruit Harvest Weight with Graywall. Fletcher, NC. a

	Early trial 8/23/94	Late Trial 9/27/94
Mountain Gold	26	25
Carolina Gold	0	0
NC 1y	0	0
NC 2y	0	0

1996 Early Trial

		Harvest Date			
		8/14	8/21	8/28	•
Mou	ıtain Gold	23	25	25	
Card	olina Gold	0	0	0	
NC :	Ly	0	0	0	
NC 2	2y	ď	0	0	

1996 Late Trial

	Harvest Date					
	9/11	9/18	9/25	10/3	10/9	10/16
	v	****				
Mountain Gold	19	33	44	10	22	3
Carolina Gold	0	0	0	0	0	0
NC 1y	0	0	0	0	0	0
NC 2y	0	0	0	0	0	0

 $^{\mathrm{a}}\mathrm{All}$ data obtained from two replicates of 8 plants per rep grown in randomized complete block designs with fruit harvested vine-ripe.

9 %

REPRODUCE LOCALLY. Include form number and edition date on all re	productions. 9900356	RM APPROVED - OMBINO. 0581-0055				
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE	The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995. Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).					
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP						
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME				
North Carolina Agricultural Research Service	88439(X)-12-3-1-1-Bk	NC Ly				
Dr. R. G. Gardner (Breeder)	30497(31) 12 9-1 1-14	No all				
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (include area code)	6. FAX (include area code)				
North Carolina State University Box 7643	919-515-2717 828-684-3562	828-684-8715				
Raleigh, NC 27695-7643	7. PVPO NUMBER					
8. Does the applicant own all rights to the variety? Mark an "X" in approp	viate block, If no, please explain.	X YES NO				
•		Lared Level				
Is the applicant (individual or company) a U.S. national or U.S. based of if no, give name of country	ompany?	X YES NO				
	NO If no, please answer one of the	: following:				
						
a. If original rights to variety were owned by individual(s), is (are) the o	riginal owner(s) a U.S. national(s)?					
☐ YE\$ ☐	NO If no, give name of country					
b. If original rights to variety were owned by a company(ies), is(are) th	e original owner(s) a U.S. based compa	ny7				
☐ YES ☐	NO If no, give name of country	•				
Ad Addition to the state of the same of th						
11. Additional explanation on ownership (if needed, use reverse for extra :		www.l. Coiomac and mloret				
NC ly was developed by Dr. R.G. Gardner, breeder with the NC Ag. Research Service,						
Fletcher, NC 28732-9244. Phone: (828) 68	3493562 FAX: (828) 684	.–8715				
email: rgardne	r@fletcher.ces.state.no	្នុំ ប្អូន				
PLEASE NOTE:						
Plant variety protection can be afforded only to owners (not licensees) who meet	one of the following criteria:					
 If the rights to the variety are owned by the original breeder, that person must which affords similar protection to nationals of the U.S. for the same genus are 	be a U.S. national, national of a UPOV med d species.	nber country, or national of a country				
If the rights to the variety are owned by the company which employed the orig member country, or owned by nationals of a country which affords similar pro	inal breeder(s), the company must be U.S. lection to nationals of the U.S. for the same	based, owned by nationals of a UPOV				
3. If the applicant is an owner who is not the original owner, both the original ow						
The original breeder/owner may be the individual or company who directed final	•					
According to the Paperwork Reduction Act of 1995, no persons are required to respond to a colling information collection is 0681-0065. The time required to compete this information collection.	chou is estimated to include 10 increas his uppo	control number. The valid CNIS control number for ease, including the time for reviewing instructions.				
soluting existing data sources, gathering and maintaining the data needed, and completing an The kLS. Department of Agriculture (USDA) prohibits distrimination in its programs on the basis. (Not all prohibited bases: apply to all programs). Persons with distribition who require alternation.	of more enter national critics and religion acce. (IS	shilly, political beliefs, and marital or familial status. (brails, large print, sudictape, etc.) should contact				
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