

No.

9200255



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**Frank Garcia, Jr.**

Whereas, THERE HAS BEEN PRESENTED TO THE  
**Secretary of Agriculture**

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED 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 *eighteen* 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 FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (7 U.S.C. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

HABANERO PEPPER

'Red Savina'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this 30th day of December in the year of our Lord one thousand nine hundred and ninety-three.

Attest:

*Kenneth A. Egan*  
Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

*Mike Egan*  
Secretary of Agriculture



Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Office, OIRM, Room 404-W, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB #0581-0055), Washington, 20250. FORM APPROVED: OMB 0581-0055, Expires 1/31/91

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

# APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

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).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate) Frank Garcia, Jr.		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NO. GNS 007/9201	3. VARIETY NAME Red Savina <del>Habanero</del> <span style="color:red">JMS 9/14/93</span>
4. ADDRESS (street and no. or R.F.D. no., city, state, and ZIP) 766 Trotter Court Walnut, CA 91789		5. PHONE (include area code) (714)598-9555	FOR OFFICIAL USE ONLY PVPO NUMBER 9200255 F I L I N G Date August 26, 1992 Time 10:50 <input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.
6. GENUS AND SPECIES NAME Capsicum and C. Chinense <span style="color:red">JMS 9/14/93</span>	7. FAMILY NAME (Botanical) Solanaceae		
8. CROP KIND NAME (Common Name) Pepper	9. DATE OF DETERMINATION October 28, 1991		F E E S Filing and Examination Fee: \$ 2150.00 Date August 26, 1992
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.)			R E C E I V E D Certificate Fee: \$ 250.00 Date Dec. 9, 1993
11. IF INCORPORATED, GIVE STATE OF INCORPORATION	12. DATE OF INCORPORATION		
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS Frank Garcia Jr. 766 Trotter Court Walnut, CA 91789 (714)598-9555 PHONE (include area code):			

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow INSTRUCTIONS on reverse)

- a.  Exhibit A, Origin and Breeding History of the Variety
- b.  Exhibit B, Novelty Statement.
- c.  Exhibit C, Objective Description of Variety.
- d.  Exhibit D, Additional Description of Variety.
- e.  Exhibit E, Statement of the Basis of Applicant's Ownership.
- f.  Seed Sample (2,500 viable untreated seeds). Date Seed Sample mailed to Plant Variety Protection Office XXXXXXXXXXXX
- g.  Filing and Examination Fee (\$2,150) made payable to "Treasurer of the United States."

15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See section 83(a) of the Plant Variety Protection Act.)  
 YES (If "YES," answer items 16 and 17 below)      NO (If "NO," skip to item 18 below)

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?  
 YES      NO

17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?  
 FOUNDATION      REGISTERED      CERTIFIED

18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.?  
 YES (If "YES," through  Plant Variety Protection Act      Patent Act Give date: \_\_\_\_\_ )  
 NO

19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?  
 YES (If "YES," give names of countries and dates)  
 NO

20. The applicant(s) declares that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.  
The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believes that the variety is distinct, uniform, and stable as required in section 41, and is entitled to protection under the provisions of section 42 of the Plant Variety Protection Act. Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT [Owner(s)] 	CAPACITY OR TITLE Applicant-owner	DATE 20 Aug 1992
SIGNATURE OF APPLICANT [Owner(s)]	CAPACITY OR TITLE	DATE

## INSTRUCTIONS

**GENERAL:** To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed Exhibits A,B,C,E; (3) at least 2,500 viable untreated seeds; (4) check, drawn on a U.S. bank, payable to "Treasurer of the United States" in the amount of \$2,150 (\$250 filing fee and \$1,900 examination fee). (See section 180.175 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for 30 days, then returned to the applicant as unfiled. Mail application and other requirements to: Plant Variety Protection Office, AMS, USDA, Rm. 500, NAL Building, 10301 Baltimore Blvd., Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the Application are self-explanatory unless noted below. Corrections on the Application form and Exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a Certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$250 for issuance of the Certificate.

Plant Variety Protection Office

Telephone: 301/344-2518 504-5518

### ITEM

9. Give the date when there has been at least a tentative determination that the variety has been sexually reproduced with recognized characteristics, whether or not the novelty of those characteristics has been determined. [See section 41(d) of the Plant Variety Protection Act (Act).]
- 14a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability. (See sections 41 and 52 of the Act.)
- 14b. Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons which clearly indicate novelty.
- 14c. Exhibit C forms are available from the PVPO; specify crop kind. Fill in the Exhibit C (Objective Description of Variety form) to describe your variety.
- 14d. Optional additional characteristics and/or photographs: Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 14e. Section 52(4) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. The applicant may be the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.
15. If "Yes" is specified (*seed of this variety be sold by variety name only as a class of certified seed*), the applicant may NOT reverse this affirmative decision after the variety has either been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified the applicant may change the choice. (See section 180.16 of the Regulations and Rules of Practice.)
19. See sections 41 (i, j) and 42 of the Act and section 180.7 of the Regulations and Rules of Practice for eligibility requirements.

### NOTES:

It is the responsibility of the applicant/owner to keep the PVPO informed of any change of address or change of ownership or assignment during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment is \$25. [See section 101 of the Act, and sections 180.130, 180.131, 180.132, and 180.175(h) of the Regulations and Rules of Practice.]

To avoid conflict with other variety names in use, the applicant should check the variety names proposed by contacting: Seed Branch, AMS, USDA, Rm. 213, Building 306, Beltsville Agricultural Research Center -- East, Beltsville, MD 20705. Telephone: 301/344-2089.

## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

"RED "SAVINA" HABANERO

AUGUST 20, 1992

ITEM 14-A

EXHIBIT A

## ORIGIN AND BREEDING HISTORY OF THE VARIETY

## EVENT 1-NOVEMBER 27, 1989

Discovery of "Red "Savina" Habanero plant by Frank Garcia Jr. during harvesting of Standard Habanero Field of thirty (30) acres. No other Red Variety found in field.

## EVENT 2-DECEMBER 1, 1989

SMS  
9/14/93  
"Red "Savina" Habanero plant taken to Petoseed Co., Inc., Saticoy, California. See Item 14-D, Exhibit D-17, Delivery Receipt. Seed extracted by Petoseed Co., Inc. and sent to Dr Ken Owens, Petoseed Co., Inc., Woodland, California.

## EVENT 3-FEBRUARY TO OCTOBER 1990

"Red "Savina" Habanero grown by Petoseed Co., Inc. First generation seeds extracted by Petoseed Co., Inc., Woodland, California, for color only.

## EVENT 4-FEBRUARY TO OCTOBER 1991

"Red "Savina" Habanero grown by GNS Spices Inc. Second generation seeds extracted by Petoseed Co., Inc., Saticoy, California for uniformity; color, size and Scoville Heat. See Item 14-D, Exhibit D-18, GNS 007 Trial Diary 1991 and Exhibit D-19, Scoville Heat Test.

## EVENT 5-JANUARY TO PRESENT 1992

"Red "Savina" Habanero grown by GNS Spices Inc. Third generation appears stable and uniform. See Item 14-D, Exhibit D-13, Plant Height and Exhibit D-15 Fruit Color at Maturity: Red.

## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

"RED "SAVINA" HABANERO

AUGUST 20, 1992

ITEM 14-B

EXHIBIT B

## NOVELTY STATEMENT

To my knowledge GNS 007/9201-Red "Savina" Habanero most nearly resembles a Standard Habanero-see Exhibit D-20, Petoseed Specification Sheet (i.e. "Standard Habanero is ready for harvest approximately 90-100 days from transplant. This standard hot pepper is extremely pungent and fits well in both the fresh and processing markets. Habanero's wrinkled fruit taper to a point and measure approximately 1 inch by 2 inches. The thin flesh is light green to orange at full maturity. Used primarily for sauce production, oil extraction and blending.") Differences include, but are not necessarily restricted to the following:

"Red "Savina" Habanero compared to the Standard Habanero:

1. "Red "Savina" Habanero is 1 cm to 4 cm longer.
2. "Red "Savina" Habanero is a red mature color which can be used more readily by sauce manufacturers due to a red color blending naturally versus an orange color in ethnic sauces. (i.e. More tons of Habaneros used by manufacturers due to market penetration of red colored Habaneros.)
3. "Red "Savina" Habanero is a more meatier wall pepper than the thin wall Standard Habanero. (i.e. Red "Savina" Habanero weighs 16 grams per fruit versus 9 grams per fruit for a Standard Orange Habanero) Thus manual harvesting costs to a grower can be reduced due to fruit weight increase per pound harvested.
4. "Red "Savina" Habanero is 50,000 Plus Scoville Heat Units hotter in pungency than a Standard Habanero, see Exhibit D-19, Scoville Heat Test. Sauce manufacturers believe the bright red habaneros will not only make for a more colorful product but will do it with less Habanero product due to heat pungency. (i.e. Sauce manufacturers will spend less dollars on production cost.)

5. "Red "Savina" Habanero has an improved postharvest fruit life cycle prior to spoilage then a Standard Habanero.
- a. Standard Habaneros are very sensitive to chilling temperatures in cold storage due to their thin wall therefore the meatier "Red "Savina" Habanero are not as sensitive due to their thicker walls.
  - b. Standard Habaneros are sensitive to relative humidity (i.e. the rate of water loss due to vapor pressure deficit between a given Habanero and the surrounding ambient air.) due to its thin walls. "Red "Savina" Habaneros thicker walls minimize the rate of water loss thereby extending its shelf life by 10 to 20 days more than a Standard Habanero.
  - c. "Red "Savina" Habaneros will add 10 to 20 days to current market distribution system at the local, national, and international level due to a 6 stage maturity cycle. (i.e. Exhibit D-1 thru D-6 "Red "Savina" Habanero Maturity Cycle) versus a 4 stage maturity cycle for a Standard Habanero. (i.e. Exhibit D-7 thru D-10 Standard Habanero Maturity Cycle) These additional two stages have added weeks to the shelf life while minimizing perishable losses to the grower, shipper and vegetable broker.

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

EXHIBIT C  
(Pepper)

OBJECTIVE DESCRIPTION OF VARIETY  
PEPPER (*Capsicum* spp.)

NAME OF APPLICANT(S) Frank Garcia Jr.	TEMPORARY DESIGNATION GNS 007/9201	VARIETY NAME Red Savina <del>Habanero</del>
ADDRESS (Street and No., or R.F.D. No., City, State, and Zip Code) 766 Trotter Court, Walnut, CA 91789		FOR OFFICIAL USE ONLY PVPO NUMBER 9200255

JMS  
9/14/93

Place the appropriate number that describes the varietal character of this variety in the boxes below. Characteristics described, including numerical measurements should represent those which are TYPICAL for the variety. Fill unused columns with zeroes (e.g.,    when number is 99). The location of the test area is Oxnard, California. Please answer questions appropriate for your variety if the information is available.

COMPARISON VARIETIES

- 1 = Yolo Wonder L
- 2 = Pimiento Perfection
- 3 = Mexican Chili
- 4 = Anaheim Chili
- 5 = Cayenne Long Red
- 6 = Cubanelle
- 7 = Jalapeño
- 8 = Serrano
- 9 = Sweet Cherry
- 10 = Floral Gem
- 11 = Sweet Banana
- 12 = Tabasco
- 13 = Other (Specify)

Habanero-Standard

1. SPECIES:

1 = *C. annum*      2 = *C. frutescens*      3 = *C. baccatum*      4 = *C. chinense*      5 = Other (Specify)

2. MARKET MATURITY:

Days from transplanting until mature green stage         Days from direct seed until mature green stage

Days from transplanting until mature red or yellow stage         Days from direct seed until mature red or yellow stage

From transplanting:

Days earlier than . . . . .  } Comparison varieties Habanero-Standard

Same as . . . . .  } Comparison varieties Habanero-Standard

Days later than . . . . .  }

From direct seed:

Days earlier than . . . . .  } Comparison varieties Habanero-Standard

Same as . . . . .  } Comparison varieties Habanero-Standard

Days later than . . . . .  }

3. PLANT:

Habit: 1 = Compact      2 = Spreading      3 = Other (Specify)

1   cm Height 107 cm

cm Shorter than . . . . .  } Comparison varieties Habanero-Standard

Same as . . . . .  }

cm Taller than . . . . .  }

3/15  
4/21/93

3. PLANT (Continued):

8 1

cm Width

0 0

cm Narrower than

Same as  13

0 0

cm Wider than

Comparison varieties Habanero-Standard

0 3

mm Length of third internode (from soil surface)

2

Basal branches: 1 = None 2 = Few (2-3) 3 = Many (over 3)

1

Branch flexibility: 1 = Willowy (Cayenne Long Red) 2 = Rigid (Yolo Wonder L)

4. LEAVES:

2

Foliage color: 1 = Light Green 2 = Medium Green 3 = Dark Green 4 = Purple 5 = Other (Specify) Leaf and stem pubescence: 1 = Absence (Yolo Wonder L) 2 = Moderate (Serrano) 3 = Heavy (Chili Piquin)

1

Mature shape: 1 = Lanceolate 2 = Elliptic

2

Mature size: 1 = Small (Tabasco) 2 = Medium (Anaheim Chili) 3 = Large (Yolo Wonder L)

5. FLOWER:

4

Calyx lobe number

6

Petal number

3

Corolla color: 1 = White 2 = Purple 3 = Other (Specify) Greenish-White

1

Corolla throat markings color: 1 = Yellow (tan) 2 = Purple 3 = Other (Specify)

1

Anther color: 1 = Yellow 2 = Purple

2

Style length: 1 = Less than stamen 2 = Same as stamen 3 = Exceed stamen

2

Flower number per leaf axil: 1 = One 2 = Two or more

1

Self-incompatibility: 1 = Absent 2 = Present

1

Cytoplasmic male sterility: 1 = Absent 2 = Present

6. FRUIT:

13

Group: 1 = Beil (Yolo Wonder L) 2 = Pimiento (Pimiento Perfection) 3 = Ancho (Mexican Chili) 4 = Anaheim Chili (Sandia) 5 = Cayenne (Cayenne Long Red) 6 = Cuban (Cubanelle) 7 = Jalapeño (Jalapeño) 8 = Small hot (Serrano) 9 = Cherry (Sweet Cherry) 10 = Short wax (Floral Gem) 11 = Long wax (Sweet Banana) 12 = Tabasco (Tabasco) 13 = Other (Specify) Habanero

2

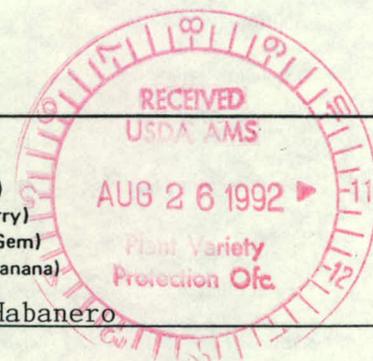
Pungency: 1 = Sweet (Yolo Wonder L) 2 = Hot (Jalapeño)

1

Immature color: 1 = Light Green (Cubanelle) 2 = Medium Green (Long Thin Cayenne) 3 = Dark Green (Yolo Wonder L) 4 = Very Dark Green (Ancho Chili) 5 = Yellow (Yellow Belle) 6 = Purple (Violetta) 7 = Ivory (Twiggy) 8 = Other (Specify)

1

Mature color: 1 = Red (Yolo Wonder L) 2 = Orange 3 = Orange-yellow (Golden Calwonder) 4 = Brown (Mulatto) 5 = Ivory 6 = Green (Permagreen) 7 = Salmon 8 = Lemon Yellow



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6. FRUIT (Continued):

- Surface smoothness: 1 = Smooth (Yolo Wonder L) 2 = Rough (Long Thin Cayenne)
- Calyx shape: 1 = Cup-shaped 2 = Saucer-shaped
- Position: 1 = Upright (Santaka) 2 = Pendent (Jalapeño)
- Base shape: 1 = Cupped (Yolo Wonder L) 2 = Rounded (Jalapeño)
- Apex shape: 1 = Pointed (Long Thin Cayenne) 2 = Blunt (Yolo Wonder L)
- Flesh thickness: 1 = Thin (Long Thin Cayenne) 2 = Medium (Anaheim Chili) 3 = Thick (Yolo Wonder L)

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4/21/93

- cm Length
- cm Shorter than . . . . .
- Same as . . . . .
- cm Longer than . . . . .

Comparison varieties Habanero-Standard

mm Diameter of fruit at calyx attachment

g weight per fruit

- Fruit shape: 1 = Bell (Yolo Wonder L) 2 = Conical (Pimiento)  
3 = Elongate (Long Thin Cayenne) 4 = Oblong (Jalapeño)  
5 = Oblate (Sunnybrook) 6 = Globe (Red Cherry)

Fruit set: 1 = Scattered 2 = Concentrated

to  Number of locules (range)

Pedicel length: 1 = Short (Yolo Wonder L) 2 = Long (Anaheim Chili)

Pedicel shape: 1 = Straight 2 = Curved

Pedicel Thickness: 1 = Slender (Cayenne) 2 = Thick (Yolo Wonder L)

7. SEED:

Seed color: 1 = Yellow 2 = Purple

g/1000 seeds

8. ANTHOCYANIN (1 = Absent, 2 = Present):

- Leaf  Stem  Node  Calyx  Pedicel  Seedling Hypocotyl
- Fruit

9. DISEASE REACTION (0 = Not tested, 1 = Susceptible, 2 = Resistant):

- Cucumber mosaic virus  Bacterial spot (*Xanthomonas vesicatoria*)
- Curly top virus  Cercospora leaf spot (*Cercospora capsici*)
- Pepper mottle virus  Phytophthora root rot (*Phytophthora capsici*)
- Potato Y virus  Ripe rot (*Vermicularia capsici*)
- Tobacco etch virus  Southern blight (*Sclerotium rolfsii*)
- Tobacco mosaic virus  Verticillium wilt (*Verticillium dahliae*)
- Anthracnose (*Gloeosporium piperatum*)  Nematode (*Meloidogyne incognita acrita*)
- Other (Specify) \_\_\_\_\_

7

10. INDICATE THE VARIETY MOST CLOSELY RESEMBLING THE APPLICATION VARIETY FOR THE FOLLOWING:

CHARACTER	VARIETY	CHARACTER	VARIETY
Maturity	Habanero	Fruit shape	Habanero
Plant habit	Habanero	Immature fruit color	Habanero
Leaf color	Habanero	Mature fruit color	Habanero
Leaf shape	Habanero	Pungency	Habanero

11. COMMENTS:

SEE EXHIBIT "D" ADDITIONAL DESCRIPTION OF VARIETY



APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

"RED "SAVINA" HABANERO

AUGUST 20, 1992

ITEM 14-D

EXHIBIT D-15

"RED "SAVINA" HABANERO: FRUIT COLOR AT MATURITY: RED

SMS  
9/14/93



APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

"RED "SAVINA" HABANERO

AUGUST 20, 1992

ITEM 14-D

EXHIBIT D-16

STANDARD HABANERO: FRUIT COLOR AT MATURITY: DARK ORANGE

SMS  
9/14/93



APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

"RED "SAVINA" HABANERO

AUGUST 20, 1992

ITEM 14-D

EXHIBIT D-19

JOSEPH ADAMS CORP. SCOVILLE HEAT TEST

SMS  
9/14/93



5740 GRAFTON ROAD, VALLEY CITY, OHIO 44280 P.O. BOX 273

TELEPHONE: (216) 225-9135  
(216) 225-9125  
FAX: (216) 225-9105

"Our 42nd Year"

October 28, 1991

TO: GNS SPICES, INC.  
P.O. Box 90  
Walnut, California 91788

ANALYSIS OF MEXIBELL &  
HABANERO PEPPERS

SAMPLE

SCOVILLE VALUE

SMS  
8/26/92

HT006	less than 1,000 *
HT007	250,000
HT008	275,000 to 300,000
HT009 (Standard Habanero)	200,000
HT010 (Red Savina Habanero)	250,000 to 300,000
HT011	150,000

\* Very little "bite" when chewed - makes test difficult.

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

"RED "SAVINA" HABANERO

AUGUST 20, 1992

ITEM 14-D

EXHIBIT D-20

PETOSEED - HABANERO STANDARD SPECIFICATION SHEET

SMS  
9/14/93



# MEXICANA



HABANERO

foliar y una fructificación semi-concentrada de frutos uniformes. Excelente para mercado fresco y deshidratado, debido a la uniformidad de sus frutos, medianamente picosos.

**MULATO ISLEÑO (antes PSX 64985)**

Esta variedad produce frutos verde oscuros que maduran café oscuro achocolatado. Los frutos son de aproximadamente 15 x 7 centímetros en tamaño, y es muy uniforme y productiva en forma y color. MULATO ISLEÑO es ideal para la deshidratación y mercado

ANAHEIM TMR 23

fresco. Medianamente picoso.

**HABANERO**

Listo para cosecha a aproximadamente 90 - 100 días después del trasplante, este chile standard es extremadamente picoso y aromático, es ideal para mercado fresco y de proceso. El fruto es ondulado con ensanchamiento en la parte apical. Mide aproximada-



CALORO PS

mente 2 x 4 centímetros. Sus frutos maduran de verde brillante a anaranjado. Principal uso: para producción de salsas, extracción de aceite, y consumo en fresco. Fructificación concentrada y sumamente productiva.

ANAHEIM TMR 23

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

"RED "SAVINA" HABANERO

AUGUST 20, 1992

ITEM 14-E

EXHIBIT E, STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP

The variety for which Plant Variety Protection is hereby sought was developed by Frank Garcia, Jr., an employee of GNS Spices Inc. By agreement between the employee and GNS Spices Inc. all rights to any invention, discovery, or development made by the employee while employed by GNS Spices Inc. are assigned to employee with no rights of any kind retained by GNS Spices Inc.

SMS  
9/14/93