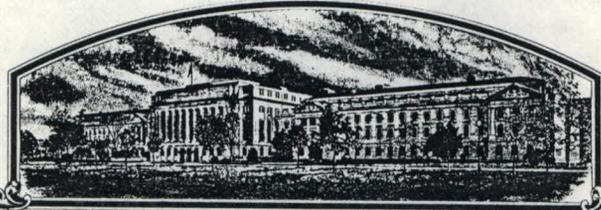


No.

8800025



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Ferry - Morse Seed Company

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, OR 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 (AT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BEAN

'Flatbush'

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 *29th* day of *March* in the year of our Lord one thousand nine hundred and ninety-one.

Attest:

Kenneth H. Egan
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Ed Madigan
Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

FORM APPROVED: OMB NO. 0581-0055

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).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

1. NAME OF APPLICANT(S) FERRY-MORSE SEED COMPANY		2. TEMPORARY DESIGNATION FM-142	3. VARIETY NAME FLATBUSH
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 555 CODONI AVENUE P.O. BOX 4938 MODESTO, CALIFORNIA 95352		5. PHONE (Include area code) 209/579-7333	FOR OFFICIAL USE ONLY PVPO NUMBER 8800025
6. GENUS AND SPECIES NAME <u>Phaseolus vulgaris</u> L.	7. FAMILY NAME (Botanical) Leguminosae		FILING DATE <u>November 30, 1987</u> TIME <u>4:00</u> <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.
8. KIND NAME Garden Bean	9. DATE OF DETERMINATION 20 February 1987		FEE RECEIVED AMOUNT FOR FILING \$ <u>1800.00</u> DATE <u>November 20, 1987</u> AMOUNT FOR CERTIFICATE \$ <u>200.00</u> DATE <u>Mar. 26 1991</u>
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) CORPORATION			
11. IF INCORPORATED, GIVE STATE OF INCORPORATION CALIFORNIA			12. DATE OF INCORPORATION 7 APRIL 1969

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS
~~DAVID J. THOMPSON~~ **DR. LARRY GAULTNEY**
 FERRY-MORSE SEED COMPANY
S. JUAN BAUTISTA P.O. BOX ~~4938-1010~~
 MODESTO, CALIFORNIA 95352-~~045~~ **AAA 5 Mar 1991** PHONE (Include area code): 209/579-7333

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED
- a. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
 - b. Exhibit B, Novelty Statement.
 - c. Exhibit C, Objective Description of Variety (Request form from Plant Variety Protection Office.)
 - d. Exhibit D, Additional Description of Variety.
 - e. Exhibit E, Statement of the Basis of Applicant's Ownership.

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

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 N/A

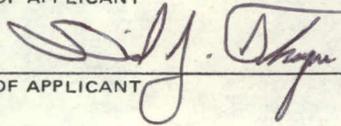
18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.? Yes (If "Yes," give date) No

19. HAS THE VARIETY BEEN RELEASED, 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) declare(s) 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 believe(s) 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 	DATE 16 NOVEMBER 1987
SIGNATURE OF APPLICANT	DATE

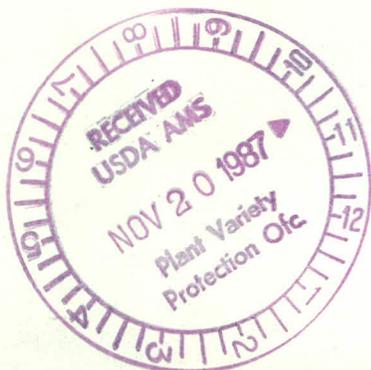
INSTRUCTIONS

General: Send an original copy of the application and exhibits, at least 2,500 viable seeds (*furnish only untreated seed*), and \$1,800 fee (*\$200 filing fee and \$1,600 examination fee*) to the U. S. Department of Agriculture, Agricultural Marketing Service, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (*See Section 180.175 of the Regulations and Rules of Practice.*) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

Item

- 9 Give the date the applicant determined that he had a new variety based on (1) the definition in Section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 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.
- 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 clearly indicating novelty.
- 14c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- 14d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 14e Section 52(4) of the Plant Variety Protection 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 his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "No," he may change his choice. (*See Section 180.16 of the Regulations and Rules of Practice.*)
- 19 See Sections 41 (i,j) and 42 of the Plant Variety Protection Act and Section 180.7 of the Regulations and Rules of Practice for eligibility requirements.

NOTE: All information submitted in support of an application becomes PUBLIC INFORMATION once the certificate is issued. (*See Section 180.17 of the Regulations and Rules of Practice.*)



VARIETY: Flatbush(formerly FM-142(formerly ov. Gator Green(GH)Ms(W)Ms(W/Gh)Ms))

Exhibit A: Origin and Breeding History of the Variety.

Flatbush was selected as single plant off-type from the variety, Gator Green. Gator Green has normally round oval pods, but a plant with oval flat pods was discovered in a growers field in Boynton Beach, Florida, on December 18, 1979. S_1 were collected from the plant and brought to Sun Prairie, Wisconsin.

S_1 seed, ov. Gator Green, was planted in the greenhouse at Sun Prairie, Wisconsin, in January, 1980. S_2 seed was harvested and held separately from 3 plants.

S_2 seed (ov. Gator Green(Gh)Ms) was planted to three individual progeny rows at Sun Prairie, Wisconsin, in the summer of 1980. All three rows were very similar and were rated very good for a tall plant with a heavy yield of 7 inch, oval-flat (0.5 inches wide), smooth, medium light green pods. One single S_2 plant was selected from each of two of the rows, and 2 S_2 plants from the third row. The S_3 seed from the 4 selections was bulk-massed.

S_3 seed, ov. Gator Green (Gh)Ms(W)Ms, was planted in a 30 foot double-row at San Juan Bautista, California, in the summer of 1981. The row was rated good; it was uniform for plant and pod type as well as being distinct from Gator Green in having an oval flat shape. S_4 seed from the row was bulk-massed and redesignated FM-142 in anticipation of evaluating the line as a potential new variety in the next season.

S_4 seed of FM-142 was planted in trial in Wisconsin, New York, Tennessee, and Florida in 1982 with 2-400 foot double-row beds of seed increase at San Juan Bautista, California. Trial ratings varied from less than fair to very good. The California seed increase rated good, was uniform for type, and no off-types were noted; S_5 seed was bulk-massed.

S_5 seed of FM-142 was further trialed in 1983 in Wisconsin, New York, Tennessee, Oregon, Florida, and Idaho and 3-400 foot double-row beds of seed increase were grown at San Juan Bautista, California. Field ratings of the trial varied from fair to very good. The California seed increase rated very good, was uniform for type, and no off-types noted; S_6 seed was bulk-massed.

S_6 seed of FM-142 was again evaluated in intensive trials and small pilot plantings in 1984 in Wisconsin, Tennessee, New York, Oregon, and Florida with 2-500 foot double row beds of seed increase at San Juan Bautista, California. Trials ratings ranged from good to excellent; the seed increase was uniform for type and free of off-types; S_7 seed was bulk-massed.

S₇ seed of FM-142 was planted in trial in 1985 in Wisconsin, New York, Florida, Tennessee, and California with a one acre planting of seed increase in Idaho. Field ratings for the trials varied from fair to very good. However, due to an early freeze in Idaho, the Idaho 1 acre increase was a crop failure. S₈ seed was salvaged from a 0.25 acre pilot planting in a growers' field in Watsonville, California.

S₈ seed was limited to small plot trials in New York, Wisconsin, and Tennessee in 1986 and 1 acre planting at San Juan Bautista, California, for seed increase. Field ratings varied from fair to good, and 1 acre California increase was successful, the field was quite uniform for type and no off types were found. The variety was considered stable for type and reproducible as a new variety.

The decision to release FM-142 as a new variety was made on February 20, 1987, and it was named Flatbush.

VARIETY: FLATBUSH (formerly FM-142(formerly ov Gator Green(GH)Ms(W)Ms(W/Gh)Ms)

Exhibit B: Data Indicative of Novelty

Flatbush is most similar to the variety, Gator Green, but is distinct from Gator Green in having a wider pod width (suture to suture) and deeper seed depth (hilum to dorsal dimension).

1. Sun Prairie, Wisconsin, 1984. Planted June 29, 1984.

	<u>Flatbush</u>	<u>Gator Green</u>	<u>d</u>	<u>t</u>	<u>p</u>
a) Pod width (mm) (100 measurements/variety)	10.42	9.93	0.59	7.61	<.001

2. San Juan Bautista, California, 1984. Planted July 6, 1984.

	<u>Flatbush</u>	<u>Gator Green</u>	<u>d</u>	<u>t</u>	<u>p</u>
a) Pod width (mm) (100 measurements/variety)	10.20	9.51	0.69	9.86	<.001

3. Sun Prairie, Wisconsin, 1985. Planted June 20, 1985

	<u>Flatbush</u>	<u>Gator Green</u>	<u>d</u>	<u>t</u>	<u>p</u>
a) Seed depth (mm) (100 measurements/variety)	6.26	5.56	0.70	16.79	<.001

4. San Juan Bautista, California, 1986. Planted July 10, 1986.

	<u>Flatbush</u>	<u>Gator Green</u>	<u>d</u>	<u>t</u>	<u>p</u>
a) Seed depth (mm) (100 measurements/variety)	6.61	5.75	0.86	13.39	<.001

5. Sun Prairie, Wisconsin, 1987. Planted June 16, 1987.

	<u>Flatbush</u>	<u>Gator Green</u>	<u>d</u>	<u>t</u>	<u>p</u>
a) Pod width	10.66	9.43	1.23	11.41	<.001
b) Seed depth (100 measurements/variety/character)	6.49	6.03	0.46	8.25	<.001

6. San Juan Bautista, California, 1987. Planted June 19, 1987.

	<u>Flatbush</u>	<u>Gator Green</u>	<u>d</u>	<u>t</u>	<u>p</u>
a) Pod width (mm)	10.75	9.12	1.63	22.47	<.001
b) Seed depth (mm) (100 measurements/variety/character)	6.39	5.81	0.58	9.45	<.001

U.S. DEPARTMENT OF AGRICULTURE
 AGRICULTURAL MARKETING SERVICE
 LIVESTOCK, POULTRY, GRAIN & SEED DIVISION
 BELTSVILLE, MARYLAND 20705

EXHIBIT C
 (Bean)

OBJECTIVE DESCRIPTION OF VARIETY

BEAN (*Phaseolus vulgaris* L.)

NAME OF APPLICANT(S) Ferry-Morse Seed Company	FOR OFFICIAL USE ONLY	
	PVPO NUMBER 8800025	
	VARIETY NAME OR TEMPORARY DESIGNATION Flatbush	

ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code)
 P. O. Box 4938
 Modesto, California 95352-4938

Place numbers in the boxes (e.g.) for the characters that best describe this variety. Measured data should be for SPACED PLANTS. Ranges may also be given. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; designate system used: _____ . The location of test area is Sun Prairie Wisconsin . Please answer questions appropriate for your variety if the information is available.

1. TYPE:

1 = Field (dry-edible) 2 = Garden

2. MARKET MATURITY:

Days to edible pods Days to green shells

Days to dry seeds

Heat units to edible pods Heat units to green shells

Heat units to dry seeds

No. days earlier than

..... Same as ..

No. days later than

- 1 = Tendercrop
- 3 = Kinghorn Wax
- 5 = Michelite 62
- 7 = Bush Blue Lake 290

- 2 = Kentucky Wonder
- 4 = White Kidney
- 6 = Dwarf Horticultural
- 8 = Other (specify below)
Gator Green

3. PLANT:

1 = Determinate 2 = Indeterminate

cm height

cm shorter than

Same as ..

comparison variety from above

cm taller than

cm spread

Number primary branches near base

cm narrower than

comparison variety from above

Branching habit:
 1 = compact 2 = open

width same as ..

cm wider than

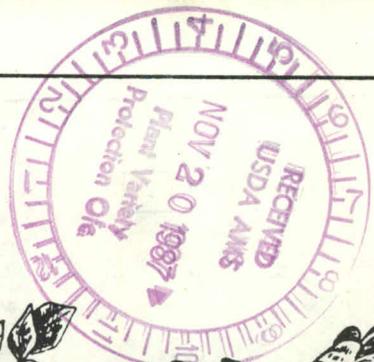
Main stalk: 1 = brittle 2 = wirey

1 = stout 2 = thin

3. PLANT: (Cont'd)

2 Pod position: 1 = low 2 = high 3 = scattered

4 Bush form (illustrated below):



1 = spherical bush form

2 = stem bush form

3 = wide bush form

4 = high bush form

5 = other (specify) _____

4. LEAVES:

1 1 = smooth 2 = wrinkled

1 1 = dull 2 = glossy

2 Size: 1 = small (Earliwax) 2 = medium 3 = large (Tendercrop)

2 Color: 1 = light green (as light or lighter than Bountiful) 2 = medium green
3 = dark green (as dark or darker than Bush Blue Lake 290)

5. FLOWERS:

1 Color: 1 = white 2 = cream 3 = pink 4 = lilac 5 = purple 6 = Other (specify) _____

3 7 Days to 50% bloom

6. FRESH PODS: (Edible maturity, average for 20 pods)

1 Exterior color: 1 = light green (as light or lighter than Bountiful)
2 = medium green
3 = dark green (as dark or darker than Bush Blue Lake 290)
4 = light yellow (Brittlewax)
5 = golden yellow (Cherokee Wax)
6 = green-red variegated (Horticultural)
7 = other (specify) _____

% Sieve size distribution at optimum maturity for non-flat pods

Note:

- 1 = 4.76 mm to 5.76 mm
- 2 = 5.76 mm to 7.34 mm
- 3 = 7.34 mm to 8.34 mm
- 4 = 8.34 mm to 9.53 mm
- 5 = 9.53 mm to 10.72 mm
- 6 = 10.72 mm or larger

1	2	3	4	5	6
0	0	32	64	4	0

3 sieve	<input type="checkbox"/> 1 <input type="checkbox"/> 6 cm length	<input type="checkbox"/> 1 <input type="checkbox"/> 1 mm width	<input type="checkbox"/> 0 <input type="checkbox"/> 8 mm thickness
4 sieve	<input type="checkbox"/> 1 <input type="checkbox"/> 6 cm length	<input type="checkbox"/> 1 <input type="checkbox"/> 2 mm width	<input type="checkbox"/> 0 <input type="checkbox"/> 9 mm thickness
5 sieve	<input type="checkbox"/> 1 <input type="checkbox"/> 6 cm length	<input type="checkbox"/> 1 <input type="checkbox"/> 2 mm width	<input type="checkbox"/> 1 <input type="checkbox"/> 0 mm thickness
6 sieve	<input type="checkbox"/> - <input type="checkbox"/> - cm length	<input type="checkbox"/> - <input type="checkbox"/> - mm width	<input type="checkbox"/> - <input type="checkbox"/> - mm thickness

6. FRESH PODS: (Cont'd)

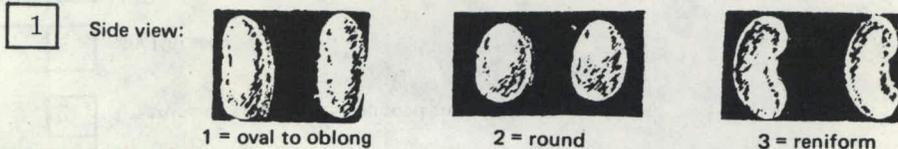
- 1 Cross section pod shape: 1 = flat 2 = oval 3 = round 4 = heart
- 2 Creaseback: 1 = present 2 = absent
- 2 Pubescence: 1 = none 2 = sparse 3 = considerable
- 2 Spur: 1 = straight 2 = slightly curved 3 = curved
- 1 Constrictions: 1 = none 2 = slight 3 = deep
- 1 Pod flesh: 1 = light 2 = medium 3 = dark
- 1 5 mm spur length
- 3 Fiber: 1 = none 2 = sparse 3 = considerable
- 6 Number of seeds per pod
- 1 Surface: 1 = smooth 2 = rough
- 2 Suture string: 1 = present 2 = absent
- 3 Seed development (Snap Bean): 1 = slow 2 = medium 3 = fast
- 1 Machine harvest: 1 = adapted 2 = not adapted
- 1 Pod flavor: (1) Standard (Tendercrop)
 (2) Mild Blue Lake (BBL 274)
 (3) Strong Blue Lake (Pole FM1)
 (4) Mild Romano (Roma)
 (5) Strong Romano (Pole Romano)
 (6) Other (specify) _____

7. SEED COAT COLOR:

- 1 1 = Monochrome 2 = Polychrome 1 1 = shiny 2 = dull
- 1 Primary color: } 1 = white 2 = yellow 3 = buff 4 = tan
- Secondary color: } 5 = brown 6 = pink 7 = red 8 = purple
 9 = blue 10 = black 11 = other (specify) _____
- Color Pattern: 1 = none 2 = splashed 3 = mottled 4 = striped 5 = flecked 6 = dotted
- Secondary color location: 1 = hilar ring 2 = ventral surface
 3 = sides 4 = dorsal surface
 5 = not restricted to any area 6 = combination of location (specify below) _____
- Hilar ring on colored seeds: 1 = absent 2 = narrow 3 = butterfly shaped

8. SEED SHAPE AND SIZE:

- 1 Hilum view: 1 = elliptical 2 = oval 3 = round 2 Cross section: 1 = elliptical 2 = oval 3 = cordate 4 = round





8. SEED SHAPE AND SIZE: (Cont'd)

2 1 = truncate ends 2 = rounded ends

3 3 gm/100 seed

- - gm/100 seed lighter than -

gm/100 seed same as -

comparison variety from page one

0 5 gm/100 seed heavier than 8

9. ANTHOCYANIN: (1 = absent 2 = present)

1 Flowers

1 Stems

1 Pods

1 Seeds

1 Leaves

10. DISEASE RESISTANCE (0 = not tested 1 = susceptible 2 = resistant):

0 Anthracnose (specify race below) _____

0 Fuscous blight

0 Rust (specify race below) _____

0 Red node virus

0 Powdery mildew

0 Pod mottle virus

0 Fusarium root rot

2 Bean common mosaic virus (specify strain below) _____

0 Pythium root rot

2 Mosaic mottle

0 Rhizoctonia root rot

2 Black root

0 Pythium wilt

0 Bean yellow mosaic virus

0 Angular leaf spot

0 Curly top

0 Bacterial wilt

0 Other (specify below) _____

0 Halo blight (specify race below) _____

11. INSECT RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant)

0 Aphids

0 Root knot nematode

0 Leaf hopper

0 Seed corn maggot

0 Lygus

0 Thrips

0 Pod borer

0 Weavils

0 Other (specify below) _____

12. PHYSIOLOGICAL RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant)

0 Heat

0 Cold

0 Drought

0 Air pollution

13. COMMENTS:

VARIETY: Flatbush (formerly FM-142(formerly ov. Gator Green(GH)Ms(W)Ms(W/Gh)Ms)

Exhibit D: Botanical Description of the Variety

Seed germination and emergence is rapid with vigorous early seedling growth. Flowering is midseason and medium concentrated.

Plants have bush habit, tall, medium narrow spread, high pod height, and are well-anchored. Leaflets are medium in size and number, medium green, generally smooth, dull, moderately pubescent, deltoid ovate shape with rounded or truncated bases.

Flowers are white with 4-8 flower buds per inflorescence.

Pods are 15 to 17 cm in length, 10-13 mm suture to suture, 8-11 mm in crosswall thickness, flat toward oval, smooth, straight, light toward medium green, 12-17 mm spur. Seed and fiber development are medium rapid.

Seed are white, oblong, oval in cross section, and relatively large size.

EXHIBIT "E"

Plant Variety Protection Application

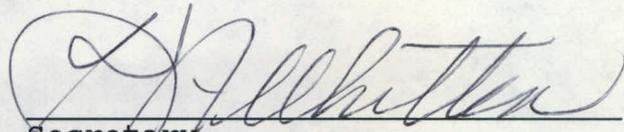
No: 8800025

STATEMENT OF OWNERSHIP

I, George R. Allbritten, Secretary of Ferry-Morse Seed Company do hereby certify that Ferry-Morse Seed Company is the breeder and owner of that certain variety namely, Bean, Flatbush

for which an application for Plant Variety Protection has been filed.

In witness whereof I have executed this statement of ownership and caused the Ferry-Morse Corporate Seal to be affixed this 27 day of April, 1990.


Secretary

SEAL

