



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Moran Seeds, Inc.

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

SNAPBEAN

'Score'

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 this 15th day of July in the year of our Lord one thousand nine hundred and eighty-two.

Attest:
Kenneth H. E...
Acting

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

John R. Block
Secretary of Agriculture

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY NCX 8009		1b. VARIETY NAME Score		FOR OFFICIAL USE ONLY PV NUMBER 7900039	
2. KIND NAME Snapbean		3. GENUS AND SPECIES NAME Phaseolus vulgaris L.		FILING DATE 1-10-79	TIME 10:00 A.M.
4. FAMILY NAME (BOTANICAL) Leguminosae		5. DATE OF DETERMINATION 1) August, 1974 2) September, 1975		FEE RECEIVED \$ 250.00	DATE 1-10-79
6. NAME OF APPLICANT(S) FMG Corporation Agricultural Chemical Grp. Seed Department Moran Seeds, Inc		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) Post Office Box 2508 El Macero, California 95618 1155 Harkins Road Salinas, California 93901		8. TELEPHONE AREA CODE AND NUMBER (916) 502 756-1382 585-8123	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Corporation			10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION Delaware		11. DATE OF INCORPORATION 8/10/28

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:
~~Harrison H. Young, Jr.~~ **Herbert P. Price, Senior Patent Attorney**
~~Patent & Licensing Dept.~~ **Celanese Corporation**
~~FMG Corporation~~ **P.O. Box 99038, Jeffersontown, Kentucky 40299**
~~2000 Market Street~~ **502-585-8123**
Philadelphia, Pennsylvania 19103 CHP/8
2/10/82

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- 13B. Exhibit B, Novelty Statement.
- 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
- 13D. Exhibit D, Additional Description of the Variety.

14A. 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). (If "Yes," answer 14B and 14C below.) YES NO

14B. Does the applicant(s) specify that this variety be limited as to number of generations?
 YES NO

14C. If "Yes," to 14B, how many generations of production beyond breeder seed?
 FOUNDATION REGISTERED CERTIFIED

15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal?
 YES NO

16. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically 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 Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

December 20, 1978
(DATE)

Herbert P. Price
Plant Breeder
for FMG Corporation, Seed Dept.
(SIGNATURE OF APPLICANT)

WB 00707

6261.01 NVC

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, National Agricultural Library, 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.

2,500 viable seeds \$500

ITEM

5 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.

13a 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 stability.

13b 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 differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.

13c Fill in the Exhibit C, Objective Description form for all characteristics, for which you have adequate data.

13d 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.

14A 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 or published or the certificate has been issued. However, if the applicant specifies "NO", he may change his choice. (See Section 180.15 of the Regulations and Rules of Practice.)

7900039

EXHIBIT A

Origin and Breeding History

Parentage of the variety Score (NCX 8009) is Picker (female) and Slimgreen (male). The initial selection cannot be exactly pinpointed at this time because of some record gaps in 1971 and 1972. The initial selection appears to have been from either an F2 in plot 6578 in 1970 or plot 7145 in 1971. Plot 9615 in 1973 is recorded as Picker/Slimgreen F5. The F6 generation was trialed in Florida during the 1974 winter/spring season as plot 74-41 of which the 5th selection was planted at the San Juan Bautista Station during the summer as plot ØA284. Fifty selections were made in plot ØA284 (F7) and were grown in a progeny row block in 1975. No discernable difference was observed and all fifty rows were bulked. Seed increases were made at San Juan Bautista in 1976 and in Idaho in 1977 and 1978 for testing and stock seed purposes.

No strings or true flats have been observed in this variety as yet.

FMC Corporation- Bean Application No. 7900039, "Score"

SUPPLEMENT TO EXHIBIT A

The variety remains the same for successive generations,
thus providing evidence of uniformity.

FMC Corporation

Agricultural Chemical Division
1524 McHenry Avenue
Modesto California 95353
(209) 529 7500



July 8, 1980

Mr. Thaddeus E. Frey
Plant Variety Protection Office
Grain and Seed Division
Agricultural Marketing Service
United States Department of Agriculture
Beltsville, Maryland 20705

Subject: Bean Application No. 7900039, 'Score'
Revised Novelty Statement

Exhibit B.

Dear Mr. Frey:

To the best of my knowledge, 'Score' most closely resembles the variety 'Picker'. 'Score' can be distinguished from 'Picker' by foliage color, pod color and pod set. Foliage color of 'Score' is dark green (Royal Horticultural Society 131B) versus a yellow-green of 'Picker' (135B). The pod color of 'Score' is lighter green (143C) versus the pod of 'Picker' (143A). All colors are by north light. The pods of 'Score' are consistently set high on the bush, compared to 'Picker' in which the pods are more scattered (figure 1).

Summary Novelty Claim for Journal

'Score' most closely resembles 'Picker'; however, the foliage color of 'Score' is dark green, whereas the foliage color of 'Picker' is yellow-green.

Sincerely,

D. Stephen Magnuson
Plant Breeder

cc: H.H. Young

p

FMC Corporation

Agricultural Chemical Division
1524 McHenry Avenue
Modesto California 95353
(209) 529 7500

Please reply to

F.M.C. Corp. A.C.D.
Western Research Center
P. O. Box 2508
El Macero, Calif. 95618

FMC

January 3, 1980

Mr. Kenneth H. Evans, Acting Commissioner
Plant Variety Protection Office
Grain and Seed Division
Agricultural Marketing Service
United States Department of Agriculture
Beltsville, Maryland 20705

Dear Mr. Evans:

Subject: Bean Application No. 7900039, "Score",
Appendum to Exhibit B.

In addition to pod length as reported in the original application, Score can be distinguished from Picker by foliage color, pod color and pod set. Foliage color of Score is dark green (Royal Horticultural Society 131B) versus a yellow-green of Picker (135B). The pod color of Score is lighter green (143C) versus the pod of Picker (143A). All colors were taken by north light. The pods of Score are consisteltly set high on the bush, compared to Picker, in which the pods are more scattered (see figure 1).

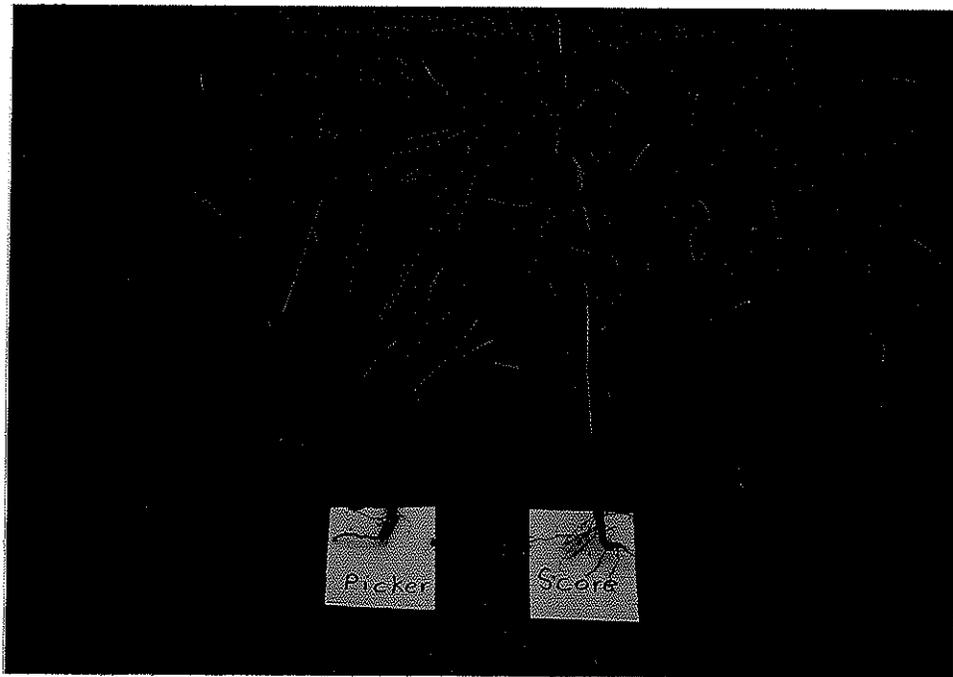


Figure 1

Defoliated plants illustrating pod set heights of Score and Picker. Picker consistently has pods on the lower part of the bush, whereas Score does not.

FORM GR-470-12
(1/77)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN AND SEED DIVISION
HYATTSVILLE, MARYLAND 20782

EXHIBIT C
(Bean)

OBJECTIVE DESCRIPTION OF VARIETY
BEAN (PHASEOLUS VULGARIS)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S) FMC Corporation-Agr Chem Grp. Seed Dept.	FOR OFFICIAL USE ONLY
	PVPO NUMBER 7900039
ADDRESS: (Street and No., or R.F.D. No., City, State, and ZIP Code) Post Office Box 2508 El Macero, California 95618	VARIETY NAME OR TEMPORARY DESIGNATION

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in first box (e.g. or) when number is either 99 or less or 9 or less.

1. TYPE:

<input type="text" value="1"/>	1 = SNAPBEAN	<input type="text" value="2"/>	2 = GREEN SHELL	<input type="text" value="3"/>	3 = DRY EDIBLE	<input type="text" value="4"/>	4 = MULTIPURPOSE
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2. SEASON AND REGION OF ADAPTABILITY IN THE U.S.:

<input type="text" value="4"/>	Grows best during:	<input type="text" value="1"/>	1 = SPRING	<input type="text" value="2"/>	2 = SUMMER	<input type="text" value="3"/>	3 = FALL	<input type="text" value="4"/>	4 = WINTER
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<input type="text" value="4"/>	Best adapted in:	<input type="text" value="1"/>	1 = NORTHWEST	<input type="text" value="2"/>	2 = NORTHCENTRAL	<input type="text" value="3"/>	3 = NORTHEAST	<input type="text" value="4"/>	4 = SOUTHEAST
		<input type="text" value="5"/>	5 = SOUTHWEST	<input type="text" value="6"/>	6 = MOST REGIONS				

3. MATURITY (Days from seeding to first harvest):

<input type="text" value="7"/>	<input type="text" value="6"/>	GREEN PODS	<input type="text" value=""/>	<input type="text" value=""/>	GREEN SHELLS	<input type="text" value=""/>	<input type="text" value=""/>	DRY SEEDS
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<input type="text" value="0"/>	<input type="text" value="0"/>	NO. DAYS EARLIER THAN -----	<input type="text" value="8"/>	} 1 = TENDERCROP 2 = KENTUCKY WONDER 3 = KINGHORN WAX 4 = WHITE KIDNEY 5 = MICHELITE 62 6 = DWARF HORTI-CULTURAL 7 = BUSH BLUE LAKE 8 = OTHER (Specify) Sprite
<input type="text" value=""/>	<input type="text" value=""/>	NO. DAYS LATER THAN -----	<input type="text" value=""/>	

4. PLANT:

<input type="text" value="1"/>	1 = DETERMINATE, ERECT BUSH	<input type="text" value="2"/>	2 = DETERMINATE, SPRAWLING BUSH
	3 = DETERMINATE, SEMIPOLE	<input type="text" value="4"/>	4 = INDETERMINATE, POLE

<input type="text" value="0"/>	<input type="text" value="5"/>	<input type="text" value="4"/>	CM. HEIGHT OR LENGTH OF VINE FROM PRIMARY LEAF NODE
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<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="5"/>	NUMBER PRIMARY BRANCHES PER MAIN STALK	<input type="text" value="4"/>	<input type="text" value="4"/>	CM. SPREAD
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<input type="text" value="1"/>	Branching habit: 1 = COMPACT 2 = OPEN	<input type="text" value="0"/>	<input type="text" value="4"/>	NUMBER INTERNODES ON MAIN STALK BETWEEN PRIMARY LEAF AND BASE OF TERMINAL INFLORESCENCE
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<input type="text" value="0"/>	<input type="text" value="2"/>	CM. LENGTH OF FIRST INTERNODE ABOVE PRIMARY LEAF	<input type="text" value="0"/>	<input type="text" value="8"/>	MM. STALK DIAMETER ABOVE FIRST TRIFOLIATE LEAF
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<input type="text" value="1"/>	Main stalk: 1 = BRITTLE 2 = WIREY	<input type="text" value="1"/>	1. STOUT 2. THIN
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<input type="text" value="2"/>	Flower position:	<input type="text" value="1"/>	1 = LOW, CONCENTRATED	<input type="text" value="2"/>	2 = HIGH, CONCENTRATED	<input type="text" value="3"/>	3 = SCATTERED
<input type="text" value="2"/>	Pod Position:						

5. LEAVES:

<input type="text" value="1"/>	1 = SMOOTH 2 = WRINKLED	<input type="text" value="1"/>	1 = DULL 2 = GLOSSY	<input type="text" value="2"/>	Thickness: 1 = THIN 2 = MEDIUM 3 = THICK
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<input type="text" value="3"/>	Size: 1 = SMALL (Earliwax) 2 = MEDIUM 3 = LARGE (Tendercrop)	<input type="text" value="13"/>	CM. PETIOLE LENGTH (To basal leaflets of first trifoliolate leaf)
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<input type="text" value="2"/>	Tip shape of center leaflet: 1 = ROUNDED 2 = TAPER POINTED 3 = SHARP POINTED
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<input type="text" value="2"/>	PUBESCENCE - Dorsal: 1 = NONE 2 = SLIGHT 3 = CONSIDERABLE
<input type="text" value="1"/>	PUBESCENCE - Ventral:

<input type="text" value="3"/>	Color: 1 = LIGHT GREEN (Bountiful) 2 = MEDIUM GREEN 3 = DARK GREEN (Bush Blue Lake)
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6. FLOWERS:

1 Color: 1 = WHITE 2 = CREAM 3 = PINK 4 = LILAC 5 = PURPLE
6 = OTHER (Specify) _____

2 Racemes: 1 = LONG 2 = MEDIUM 3 = SHORT

6 NUMBER FLOWERS PER RACEME

7. FRESH PODS: (Edible maturity, averages for 10 pods)

2 Color: 1 = LIGHT GREEN (Bountiful) 2 = MEDIUM GREEN (Tendergreen) 3 = DARK GREEN (Wade)
4 = LIGHT YELLOW (Brittlewax) 5 = GOLDEN YELLOW (Cherokee Wax) 6 = GREEN-RED VARIAGATED (Horticultural)
7 = OTHER (Specify) _____

13 CM. LENGTH

10 MM. WIDTH (Between sutures)

09 MM. THICKNESS

11 WIDTH THICKNESS X 10

2 Cross section pod shape: 1 = FLAT 2 = OVAL

3 = CREASEBACK 4 = ROUND

1 Curvature: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED

2 Pubescence: 1 = NONE 2 = SPARSE 3 = CONSIDERABLE

2 Constrictions: 1 = NONE 2 = SLIGHT 3 = DEEP

2 Spur: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED

2 Surface: 1 = SHINY 2 = DULL

1 Surface: 1 = SMOOTH 2 = BLISTERED

2 Pod flesh: 1 = LIGHT 2 = DARK

1 Pod flesh: 1 = FIRM 2 = WATERY

11 MM. SPUR LENGTH

2 Suture string: 1 = PRESENT 2 = ABSENT

2 Fiber: 1 = NONE 2 = SPARSE 3 = CONSIDERABLE

1 Seed development: 1 = SLOW 2 = MEDIUM 3 = FAST

5 NUMBER OF SEEDS PER POD

18 NUMBER PODS PER PLANT (Once over harvest)

12 NUMBER MARKETABLE PODS PER PLANT (Once over harvest)

1 Machine harvest: 1 = ADAPTED 2 = NOT ADAPTED

8. SEED COAT COLOR:

1 1 = MONOCHROME 2 = POLYCHROME

1 1 = SHINY 2 = DULL

1 Primary color: 1 = WHITE 2 = YELLOW 3 = BUFF 4 = TAN
5 = BROWN 6 = PINK 7 = RED 8 = PURPLE

Secondary color: 9 = BLUE 10 = BLACK 11 = OTHER (Specify) _____

Color pattern: 1 = SPLASHED 2 = MOTTLED 3 = STRIPED 4 = FLECKED 5 = DOTTED

1 Secondary color location: 1 = HILAR RING 2 = HILAR SURFACE
3 = STROPHIOLE 4 = MICROPYLE
5 = SIDES 6 = DORSAL SURFACE
7 = NOT RESTRICTED TO ANY AREA 8 = COMBINATION OF LOCATIONS (Specify) _____

2 Hilar ring: 1 = NOT PRESENT 2 = NARROW 3 = BUTTERFLY SHAPED

9. SEED SHAPE AND SIZE:

1 Hilum view: 1 = ELLIPTICAL 2 = OVAL 3 = ROUND

Side view: 1 = OVAL 2 = ROUND
3 = KIDNEY 4 = TRUNCATE ENDS

2 Cross section: 1 = ELLIPTICAL 2 = OVAL
3 = CORDATE 4 = ROUND

39 GM. WEIGHT PER 100 SEEDS

Classification: 1 = PEA 2 = MEDIUM

3 = MARROW 4 = KIDNEY 5 = PINTO

07 MM. WIDTH (Dorsal to ventral)

06 MM. THICKNESS (Side to side)

15 MM. LENGTH

012 WIDTH THICKNESS X 10

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10. ANTHOCYANIN: (1 = Absent 2 = Present):

FLOWERS

STEMS

PODS

SEEDS

LEAVES

11. DISEASE RESISTANCE (0 = Not tested; 1 = Susceptible; 2 = Resistant):

RUST (Specify race) _____

BACTERIAL WILT

ANTHRACNOSE

SOUTHERN BEAN MOSAIC

CURLY TOP

POWDERY MILDEW

HALO BLIGHT

ALFALFA MOSAIC VIRUS

POD MOTTLE VIRUS

ROOT KNOT NEMATODE

ANGULAR LEAF SPOT

COMMON BEAN MOSAIC

YELLOW BEAN MOSAIC

FUSARIUM ROOT ROT

N.Y. 15 BEAN MOSAIC

BEAN MOSAIC VIRUS 4

FUSCOUS BLIGHT

ALFALFA MOSAIC VIRUS 2

RED NODE VIRUS

OTHER (Specify) _____

12. INSECT RESISTANCE: (0 = Not tested; 1 = Susceptible; 2 = Resistant)

APHIDS

POD BORER

THRIPS

SEED CORN MAGGOT

LEAF HOPPERS

LYGUS

WEAVILS

OTHER (Specify) _____

13. PHYSIOLOGICAL RESISTANCE: (0 = Not tested; 1 = Susceptible; 2 = Resistant)

HEAT

COLD
(moderate)

DROUGHT

OTHER (Specify) _____

REFERENCES: The following publications may be used as a reference in completing this form:

1. Beans of New York. Vol. 1 Part II of Vegetables of New York. U.P. Hedrick et al. J. B. Lyon Company, Albany, N.Y. 1931.
2. Yarnell, S. H., Cytogenetics of the Vegetable Crops IV. Legumes. Bot. Rev. 31:247 - 330. 1965.
3. USDA Yearbook of Agriculture. 1937.

COLOR: Nickerson's or any recognized color fan may be used to determine the colors.

SCHEDULE B

PLANT VARIETY PROTECTION CERTIFICATE APPLICATIONS

<u>Application No.</u>	<u>Name of Kind</u>	<u>Filing date</u>	<u>Name of Variety</u>
7900038	Bean	790112 ^{SET}	Blue Duet
7900039	Bean	790116 ^{SET}	Score

ASSIGNMENT

WHEREAS, Moran Seeds, Inc. ("Moran"), a corporation duly organized and existing under the laws of the State of Delaware is the owner of United States Plant Variety Protection Certificates (the "Certificates"), listed in Exhibit A hereto and Pending United States Plant Variety Protection Applications (the "Applications"), listed in Exhibit B hereto; and

WHEREAS, in accordance with a Technology Transfer Agreement (the "Transfer Agreement") among Celanese Corporation ("Celanese"), Moran Seeds, Inc., Joseph Harris Company, Inc., CelPril Industries, Inc., Harris Moran International B.V. ("Sellers"), Virginia Chemicals, Inc., Les Produits Organiques du Santerre-Orsan S.A. ("Orsan"), HMS Acquisition Inc., CP Acquisition Inc., and Exploitiemaatschappij Wolwevershaven B.V., dated January 10, 1985, and a Purchase Agreement dated December 7, 1985, as amended, among Celanese, Sellers and Orsan, Orsan has purchased from Moran said Certificates and Applications.

NOW, THEREFORE, in accordance with said Transfer Agreement and Purchase Agreement, Moran assigns to Orsan all of its rights, title and interest in and to said Certificates and Applications.

Moran hereby authorizes Orsan to apply for and obtain the recordation of this Assignment. Moran agrees that it shall, without further consideration, promptly and duly cause to be performed such lawful acts and execution of any other documents as Orsan may reasonably request in order for Orsan to obtain the full benefits of this Assignment and to permit Orsan to be duly recorded in each office, bureau and tribunal in the appropriate jurisdiction as the registered owner or proprietor of each of the rights hereby assigned. Such instruments and documents shall include, without limitation, such applications, affidavits and other documents for filing in such jurisdictions as Orsan may from time to time reasonably request.

By these presents Orsan does hereby accept this Assignment and authorize the recording thereof with the appropriate authorities aforesaid.

IN WITNESS WHEREOF, the parties have caused this Assignment to be executed by its proper officers thereunto duly authorized this 10th day of January, 1985.

MORAN SEEDS, INC.,
Assignor

By: David A. Jenkins
David A. Jenkins
Vice President

LES PRODUITS ORGANIQUES DU
SANTERRE-ORSAN S.A.
Assignee

By: [Signature]
Title: Attorney-in-fact

STATE OF New York
COUNTY OF New York

Before me, a Notary Public, in and for said County, personally appeared David Jenkins who acknowledged that he is Vice President of Moran Seeds, Inc., the corporation which executed the foregoing instrument and who acknowledged he signed said instrument on behalf of said corporation by authority of its Board of Directors; and that said instrument is the free corporate act and deed of said Moran Seeds, Inc.

Sworn before me at New York this 10th day
of January, 1985

Alex C. Lengyel
NOTARY PUBLIC

(Notary Public)

My Commission Expires:

ALEX C. LENGYEL
Notary Public, State of New York
Qualified in New York County
Commission Expires March 30, 1986

STATE OF New York
COUNTY OF New York

Before me, a Notary Public, in and for said County, personally appeared Patrice Lefebvre who acknowledged that he is ~~Patrice Lefebvre~~ Patrice Lefebvre of Les Produits Organiques du Santerre-Orsan S.A., the corporation which executed the foregoing instrument and who acknowledged he signed said instrument on behalf of said corporation by authority of its Board of Directors; and that said instrument is the free corporate act and deed of said Les Produits Organiques du Santerre-Orsan S.A.

Sworn before me at New York this 10th
day of January, 1985.

Alex C. Lengyel
NOTARY PUBLIC

(Notary Public)

My Commission Expires:

ALEX C. LENGYEL
Notary Public, State of New York
No. 31283121
Qualified in New York County
Commission Expires March 9, 1986

United States Plant Variety Protection Certificates

<u>Cert. No.</u>	<u>Date Issued</u>	<u>Kind</u>	<u>Variety Name</u>	<u>Owner</u>
7200145	10/30/74	Garden Bean	Gem	Moran Seeds, Inc.
7200146	11/15/74	Watermelon	Charleston 76	Moran Seeds, Inc.
7400013	5/9/74	Lettuce	Calmaria	Moran Seeds, Inc.
7400014	6/19/74	Lettuce	Cal K-60	Moran Seeds, Inc.
7400071	6/19/74	Lettuce	Cabrillo	Moran Seeds, Inc.
7600032	9/15/77	Lettuce	Vanagara	Moran Seeds, Inc.
7600039	12/8/77	Lettuce	Morangold	Moran Seeds, Inc.
7800028	5/31/79	Muskmelon	Valley Gold	Moran Seeds, Inc.
7900038	1/14/82	Garden Bean	Blue Duet	Moran Seeds, Inc.
7900039	7/15/82	Snapbean	Score	Moran Seeds, Inc.
7900066	11/27/79	Cauliflower	Snowball 123	Moran Seeds, Inc.
8000020	7/31/80	Muskmelon	Top Net	Moran Seeds, Inc.
8000082	12/10/81	Lettuce	Delmar	Moran Seeds, Inc.
8200019	10/28/82	Onion	OMO M	Moran Seeds, Inc. Oshita, Inc.
8200061	3/24/83	Watermelon	Sun Gold	Moran Seeds, Inc.
8200104	10/28/82	Tomato	Advantage	Moran Seeds, Inc.
8200105	11/26/82	Tomato	Moran 3053	Moran Seeds, Inc.
8200027	4/23/83	Lettuce	El Toro	Moran Seeds, Inc.
8100172	9/29/83	Lettuce	Van Mor	Moran Seeds, Inc.
8300113	8/31/84	Muskmelon	Top Net SR	Moran Seeds, Inc.

Exhibit B

Pending United States Plant Variety Protection Applications

<u>Application No.</u>	<u>Filing Date</u>	<u>Kind</u>	<u>Variety Name</u>	<u>Owner</u>
8100167	9/9/81	Lettuce	Yuma	Moran Seeds, Inc.
8300155	7/18/83	Celery	Bishop	Moran Seeds, Inc.
8300156	7/18/83	Celery	Deacon	Moran Seeds, Inc.
8300172	9/1/83	Tomato	Diego	Moran Seeds, Inc.
8400013	12/1/83	Lettuce	Greenfield	Moran Seeds, Inc.



DEED OF ASSIGNMENT

WHEREAS, Les Produits Organiques du Santerre - ORSAN (S.A.), a French corporation having a place of business at 16 rue Ballus, 75009 Paris, France (hereinafter referred to as "ASSIGNOR") owns and is using the Plant Variety Protection Certificates listed on the attached Exhibit for the indicated varieties which were awarded to ASSIGNOR by the Secretary of Agriculture on the indicated dates upon applications filed with the United States Plant Variety Protection Office; and

WHEREAS, Arisix (S.A.), a French corporation having a place of business at 61 rue des Belles Feuilles, 75116 Paris, France,

(hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the said varieties and Plant Variety Protection Certificates;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said varieties and said Plant Variety Protection Certificates in the United States including reissues, and including the right to enforce such rights against any past, present or future violation thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any right, title and interest assigned and transferred hereby.

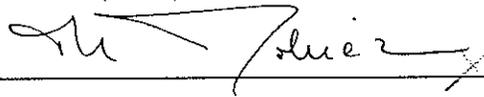
ASSIGNOR further agrees that it will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the assignment of said Certificates and the perfection of all rights thereto, execute, verify, acknowledge and deliver all such further papers and instruments of assignment and transfer

thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain the listed Certificates and to vest title thereto in said ASSIGNEE or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, an authorized representative of ASSIGNOR has hereunto signed its name to this assignment on the date indicated below.

Les Produits Organiques du Santerre
- ORSAN (S.A.)

Date: 1/1/95



PHILIPPE ROLLIER

Print Name

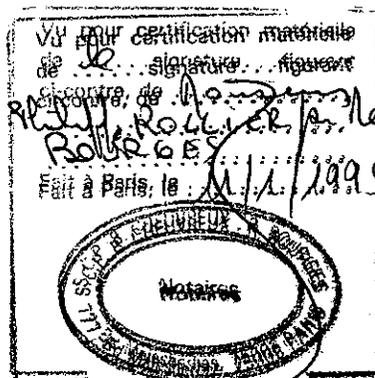
PRESIDENT

Print Title

On this date, _____, 1993, before me, the undersigned notary public, personally appeared the above-named assignor, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same.

(Notaire)

Seal/Stamp



112

DEED OF ASSIGNMENT

WHEREAS, Arisix (S.A.), a French corporation having a place of business at 61 rue des Belles Feuilles, 75116 Paris, France (hereinafter referred to as "ASSIGNOR") owns and is using the Plant Variety Protection Certificates listed on the attached Exhibit for the indicated varieties which were awarded to ASSIGNOR by the Secretary of Agriculture on the indicated dates upon applications filed with the United States Plant Variety Protection Office; and

WHEREAS, Clause (S.A.), a French corporation having a place of business at 1 Avenue Lucien Clause, 91221 Bretigny sur ORGE Cedex, France,

(hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the said varieties and Plant Variety Protection Certificates;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said varieties and said Plant Variety Protection Certificates in the United States including reissues, and including the right to enforce such rights against any past, present or future violation thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any right, title and interest assigned and transferred hereby.

ASSIGNOR further agrees that it will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the assignment of said Certificates and the perfection of all rights thereto, execute, verify, acknowledge and deliver all such further papers and instruments of assignment and transfer

thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain the listed Certificates and to vest title thereto in said ASSIGNEE or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, an authorized representative of ASSIGNOR has hereunto signed its name to this assignment on the date indicated below.

Date: 1/11/95

Arisix (S.A.)

[Handwritten signature]

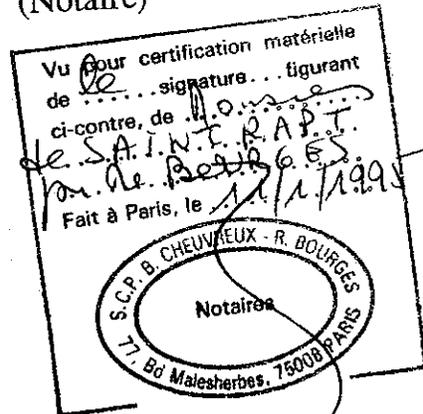
P DE SAINT RAPT
Print Name

PRESIDENT
Print Title

On this date, _____, 1993, before me, the undersigned notary public, personally appeared the above-named assignor, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same.

Seal/Stamp

(Notaire)



EXHIBIT

Certif. #	Date Status Begins	Crop	Variety Name
7600032	09/15/77	Lettuce	Vanagara
7600039	12/08/77	Lettuce	Morangold
7605018	09/28/77	Marigold	Cabaret Orange
7800028	05/31/79	Muskmelon	Valley Gold
7800033	12/21/78	Radish	Fancy Red
7800086	01/25/79	Lettuce	Deep Red
7900038	01/14/82	Garden Bean	Blue Duet
7900039	07/15/82	Garden Bean	Score
7900066	11/27/79	Cauliflower	Snowball 123
8000020	07/31/80	Muskmelon	Top Net
8000082	12/10/81	Lettuce	Delmar
8100167	3/29/85	Lettuce	Yuma
8100172	09/29/83	Lettuce	Van Mor
8200027	04/23/83	Lettuce	El Toro
8200045	09/23/82	Turnip	Royal Gem
8200061	03/24/83	Watermelon	Sun Gold
8200068	12/30/82	Egg Plant	Little Fingers
8200104	10/28/82	Tomato	Advantage
8200105	11/26/82	Tomato	Moran 3053
8300024	12/30/83	Radish	Red King
8300113	08/31/84	Muskmelon	Top Net SR
8300155	02/22/85	Celery	Bishop
8300156	01/25/85	Celery	Deacon
8300172	11/29/85	Tomato	Harris Morgan 3075
8400013	2/19/88	Lettuce	Greenfield
8600032	03/11/88	Tomato	Murrieta II

Expired
Expired
Expired

PLANT VARIETY PROTECTION REGISTRATION ASSIGNMENTS

Clause, S.A. to Harris Moran Seed Company

WHEREAS, Clause, S.A. ("Assignor"), a corporation organized and existing under the laws of France, has sold and transferred assets, including plant variety protection registrations, to Harris Moran Seed Company ("Assignee"), a corporation organized and existing under the laws of the State of Maryland;

WHEREAS, Assignor, is the owner of the following plant variety protection registrations:

<u>VARIETY NAME</u>	<u>Registration No.</u>	<u>Issue Date</u>
BLUE DUET	7900038	01/14/82
SCORE	7900039	07/15/82
• TOP NET SR	8300113	08/31/84
TOP NET	8000020	07/31/80
SNOWBALL 123	7900066	11/27/79
BISHOP	8300155	02/22/85
DEACON	8300156	01/25/85
LITTLE FINGERS	8200068	12/30/82
EL TORO MI	8200027	04/28/83
DELMAR MI	8000082	12/10/81
GREENFIELD MI	8400013	02/19/88
VAN MOR MI	8100172	03/29/83
YUMA MI	8100167	03/29/85

RED KING	8300024	12/30/83
MORAN 3053	8200105	11/26/82
ADVANTAGE	8200104	10/28/82
HARRIS MORAN 3075	8300172	11/29/85
ROYAL GEM	8200045	09/23/82
SUN GOLD	8200061	03/24/83

WHEREAS, Assignor is desirous of selling and Assignee is desirous of acquiring the aforesaid plant variety protection registrations of Assignor.

NOW THEREFORE, for \$10.00 and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, by these presents sells, assigns and transfers to Assignee, its successors and assigns, all right title and interest in and to the above-referenced plant variety protection registrations, to be held and enjoyed by said Assignee, as fully as the same would have been enjoyed by said Assignor, had this assignment not been made.

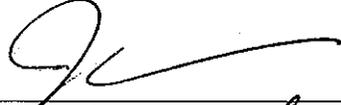
Assignor also assigns and transfers to Assignee, any and all causes of action, claims, demands, or other rights occasioned from or because of any and all past infringement of any of the above referenced plant variety protection registrations.

Assignor further agrees that upon request, it will execute any and all documents necessary to vest all rights, title and interest in and to the above-referenced plant variety protection registrations

IN WITNESS WHEREOF, said Assignor, has affixed its signature hereto this 22 day of

January, 1997.

CLAUSE, S.A.

By: 

Name: Jordan W. Powell

Title: Controller

ASSIGNMENT OF INTELLECTUAL PROPERTY

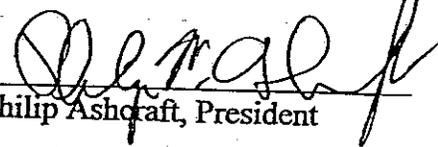
WHEREAS, HARRIS MORAN SEED COMPANY, a corporation duly organized and existing under the laws of the State of Maryland, having its principal place of business at 4511 Willow Road, Suite 3, Pleasanton, California 94588 ("Assignor"), has, pursuant to that certain Bill of Sale and Assignment dated as of June 30, 1997, transferred to FERRY-MORSE SEED COMPANY (CALIFORNIA), a corporation duly organized and existing under the laws of the State of California, having its principal place of business at 555 Codoni Avenue, P.O. Box 4938, Modesto, California 95352-4938 ("Assignee"), all of the intellectual property Assignor had adopted, used and was using as of the effective date of this Assignment, including without limitation, the intellectual property represented by the United States Plant Variety Protection Certificates of Assignor identified on Schedule A hereto (collectively, the "Property"); and

WHEREAS, on the date hereof, Assignee has changed its name to "Harris Moran Seed Company";

NOW, THEREFORE, effective by this instrument as of the close of business on June 30, 1997, and for good and valuable consideration, receipt of which is hereby acknowledged, Assignor hereby assigns to Assignee any and all right, title and interest worldwide in and to the Property and any and all recordations thereof, including, but not limited to, the use of the Property in any manner, all benefit of any and all prior use of the Property, and any and all rights to initiate claims or proceedings for past, present or future infringements of Assignor's rights, title and interest in and to the Property.

Dated: as of June 30, 1997

HARRIS MORAN SEED COMPANY

By: 

Philip Ashcraft, President

CERTIFICATE OF AMENDMENT
OF THE
ARTICLES OF INCORPORATION
OF

FERRY-MORSE SEED COMPANY (CALIFORNIA)
(a California corporation)

1400010
ENDORSED
FILED
In the office of the Secretary of State
of the State of California

JUN 30 1997

Bill Jones
BILL JONES, Secretary of State

To the Secretary of State
State of California

Pursuant to the provisions of the General Corporation Law of the State of California, the undersigned officers of FERRY-MORSE SEED COMPANY (CALIFORNIA), a California corporation (the "Corporation"), do hereby certify as follows:

1. The name of the Corporation is Ferry-Morse Seed Company (California).
2. Article One of the Corporation's Articles of Incorporation, which relates to the name of the Corporation, is hereby amended in its entirety to read as follows:
 - One. The name of this Corporation is:
HARRIS MORAN SEED COMPANY.
3. The amendment herein provided for has been approved by the Corporation's Board of Directors.
4. The amendment herein provided for was approved by the written consent of the Corporation's sole shareholder in accordance with the provisions of Section 902 of the California General Corporation Law. The total number of outstanding shares of the corporation is 5,000.

IN WITNESS WHEREOF, each of the undersigned does hereby declare under the penalty of perjury that he or she signed the foregoing Certificate of Amendment as of June 30,

1997, in the Town of Modesto, State of California, in the official capacity set forth beneath his or her signature and that the statements set forth in this certificate are true of his or her own knowledge.

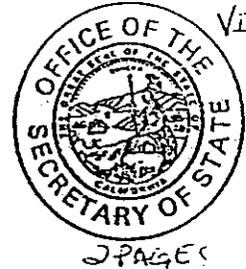


Yves Queste
Yves Queste, President

Helen Andritsakis
Helen Andritsakis, Secretary



SECRETARY OF STATE



I, *BILL JONES*, Secretary of State of the State of California, hereby certify:

That the attached transcript has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.

IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this

JUN 30 1937



Bill Jones

Secretary of State