

# THE UNITED STATES OF AMERICA

**TO ALL TO WHOM THESE PRESENTS SHALL COME:**

## Keystone 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 *seventeen* 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 (STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BEAN

'Sunrise'



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 24th day of June in the year of our Lord one thousand nine hundred and seventy-four

Attest:

*J. J. Rollin*  
Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*Earl L. Butz*

Secretary of Agriculture

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

VARIETY - SUNRISE

Exhibit 13A

Sunrise originated from a hand pollinated cross between 4468 (a breeding line from Dr. L. L. Dean, University of Idaho) and Bush Blue Lake 240. Cross was made in 1964 and selections were made for straight, smooth yellow pods; concentrated pods set high in the plant; and small bush type plant. from F2 to F6.

Spreading type occurred with high frequency; also, pods low to the ground. Green tips were frequent as well as curved pods.

By the 11th generation desired type was stabilized.

Exhibit 13B

Seed slightly smaller than Farliwax. Seedling stage normal for bush type beans. Size of plant similar to Earliwax, but pods more like Midas in length, breadth and width. Flower color and seed color is white. Pod color is bright yellow. Habit is determinate.

Exhibit 13C

Exhibit 13C is attached.

Exhibit 13D

*SEE REVISED EXHIBIT D Rf*

Data Indicative of Novelty

Novelty is based on the unique combination of the following characteristics: Sunrise has very straight smooth pods for a wax type and pods are set high in plant. Color is bright and uniform. Sunrise resembles Earliwax in size of plant, but pods are more like Midas in length. Sunrise has a more upright structure than either of the other varieties.

## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1. VARIETY NAME OR TEMPORARY DESIGNATION	2. KIND NAME	FOR OFFICIAL USE ONLY	
		PV NUMBER	
Sunrise	Bush Bean	7129	
3. GENUS AND SPECIES NAME Phaseolus vulgaris	4. FAMILY NAME (Botanical) Leguminosae	FILING DATE 2-26-71	TIME 9 A.M.
	5. DATE OF DETERMINATION November 1969	FEE RECEIVED \$ 250.00 \$ 250.00 \$ 250.00	BALANCE DUE \$ — \$ — \$ —
6. NAME OF APPLICANT(S) Keystone Seed Co.	7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 9870 Fairview Rd., Hollister, Calif. 95023	8. TELEPHONE AREA CODE AND NUMBER 408 637-5781	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Corporation		10. STATE OF INCORPORATION California	11. DATE OF INCORPORATION 11/23/55

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

 Albert E. Braun  
 Same

## 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, Botanical Description of the Variety  
 13C. Exhibit C, Objective Description of the Variety  
 13D. Exhibit D, Data Indicative of Novelty  
 13E. Exhibit E, Statement of the Basis of Applicant's Ownership

 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

The applicant declares 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) of this sexually-reproduced novel plant variety 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 is informed that false representation herein can jeopardize protection and result in penalties.

February 23, 1971

(DATE)

Fred Waldor Schmidt

(SIGNATURE OF APPLICANT)

President

1

(DATE)

(SIGNATURE OF APPLICANT)

## 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, 6525 Belcrest Road, Hyattsville, Maryland 20782. (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

- 5 Insert the date the applicant determined that he had a new variety based on the definition in Section 41 (a) of the Act and decision is made to increase the seed.
- 13a First, give the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.
- 13b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant and compare it with a similar commercial variety grown under the same conditions, and indicate the differences.
- 13c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.
- 13d Provide complete data indicative of novelty. Seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty may be submitted. Seeds submitted may be sterile.
- 13e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.



FORM GR-470-12 (PAGE 2 OF 3 PAGES)

6. FLOWERS:

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

3 Racemes: 1 = LONG 2 = MEDIUM 3 = SHORT 4 NUMBER FLOWERS PER RACEME

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

4 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) \_\_\_\_\_

1 2 CM. LENGTH 0 8 MM. WIDTH (Between sutures) 0 8 MM. THICKNESS 1 0 WIDTH THICKNESS X 10

4 Cross section pod shape: 1 = FLAT 2 = OVAL 3 = CREASEBACK 4 = ROUND  
1 Curvature: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED 1 Pubescence: 1 = NONE 2 = SPARSE 3 = CONSIDERABLE  
1 Constrictions: 1 = NONE 2 = SLIGHT 3 = DEEP 1 Spur: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED  
1 Surface: 1 = SHINY 2 = DULL 1 Surface: 1 = SMOOTH 2 = BLISTERED  
1 Pod flesh: 1 = LIGHT 2 = DARK 1 Pod flesh: 1 = FIRM 2 = WATERY  
4 MM. SPUR LENGTH 2 Suture string: 1 = PRESENT 2 = ABSENT  
1 Fiber: 1 = NONE 2 = SPARSE 3 = CONSIDERABLE 2 Seed development: 1 = SLOW 2 = MEDIUM 3 = FAST  
5 NUMBER OF SEEDS PER POD 12 NUMBER PODS PER PLANT (Once over harvest)  
8 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 2 1 = SHINY 2 = DULL  
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 = SPLASHED 2 = MOTTLED 3 = STRIPED 4 = FLECKED 5 = DOTTED  
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) \_\_\_\_\_

1 Hilar ring: 1 = NOT PRESENT 2 = NARROW 3 = BUTTERFLY SHAPED  
1 Vein-like under coat pattern: 1 = ABSENT 2 = PRESENT

9. SEED SHAPE AND SIZE:

1 Hilum view: 1 = ELLIPTICAL 2 = OVAL 3 = ROUND 1 Side view: 1 = OVAL 2 = ROUND  
3 = KIDNEY 4 = TRUNCATE ENDS  
1 Cross section: 1 = ELLIPTICAL 2 = OVAL 25 GM. WEIGHT PER 100 SEEDS  
3 = CORDATE 4 = ROUND  
2 Classification: 1 = PEA 2 = MEDIUM 3 = MARROW 4 = KIDNEY 5 = PINTO  
0 6 MM. WIDTH (Dorsal to ventral) 0 5 MM. THICKNESS (Side to side)  
1 1 MM. LENGTH 0 1 2 WIDTH THICKNESS X 10

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

1 FLOWERS       1 STEMS       1 PODS       1 SEEDS       1 LEAVES

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

<input type="checkbox"/> 2 RUST (Specify race) _____	<input type="checkbox"/> 0 ANGULAR LEAF SPOT
<input type="checkbox"/> 0 BACTERIAL WILT	<input type="checkbox"/> 2 COMMON BEAN MOSAIC
<input type="checkbox"/> 0 ANTHRACNOSE	<input type="checkbox"/> 0 YELLOW BEAN MOSAIC
<input type="checkbox"/> 0 SOUTHERN BEAN MOSAIC	<input type="checkbox"/> 0 FUSARIUM ROOT ROT
<input type="checkbox"/> 0 CURLY TOP	<input type="checkbox"/> 0 N.Y. 15 BEAN MOSAIC
<input type="checkbox"/> 0 POWDERY MILDEW	<input type="checkbox"/> 0 BEAN MOSAIC VIRUS 4
<input type="checkbox"/> 0 HALO BLIGHT	<input type="checkbox"/> 0 FUSCOUS BLIGHT
<input type="checkbox"/> 0 ALFALFA MOSAIC VIRUS	<input type="checkbox"/> 0 ALFALFA MOSAIC VIRUS 2
<input type="checkbox"/> 0 POD MOTTLE VIRUS	<input type="checkbox"/> 0 RED NODE VIRUS
<input type="checkbox"/> 0 ROOT KNOT NEMATODE	<input type="checkbox"/> 0 OTHER (Specify) _____

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

<input type="checkbox"/> 0 APHIDS	<input type="checkbox"/> 0 LEAF HOPPERS
<input type="checkbox"/> 0 POD BORER	<input type="checkbox"/> 0 LYGUS
<input type="checkbox"/> 0 THRIPS	<input type="checkbox"/> 0 WEAVILS
<input type="checkbox"/> 0 SEED CORN MAGGOT	<input type="checkbox"/> 0 OTHER (Specify) _____

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

0 HEAT       0 COLD       0 DROUGHT       0 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.

BUSH WAX BEAN

'Sunrise'

Revised Exhibit D:

The combination of characteristics incorporated in 'Sunrise' differentiates this variety from all other wax podded bush snapbean varieties thus far introduced.

'Sunrise' most closely resembles Res. Kinghorn Wax  
(the variety)  
but differs from Res. Kinghorn Wax in the following  
(the variety)  
characteristics:

1. Sunrise is 4 days later in maturity.
  2. Pods are heart shaped in cross section. *R/S SEE LETTER FROM KEYSSTONE 7/29/77*
  3. Seed is smaller - 25 grams/100 seeds as compared to 34 grams/100 seeds.
  4. None to very faint yellow pigment around hilum.
- 
- 
- 

*Albert E. Braun*

Dr. Albert E. Braun

Exhibit 13E

Statement of Applicant's ownership.

Keystone Seed Co. believes it is the sole, original and first breeder of Sunrise for which it solicits a certificate of protection.

PLANT VARIETY PROTECTION CERTIFICATE

ASSIGNMENT

The Sunseeds Division of Agrigenetics Corporation, a Delaware corporation having a place of business at 3575 Mitchell Lane, Boulder, Colorado 80301 ("Agrigenetics"), represents that it is the owner of the entire right, title and interest in and to the plant variety protection certificates and applications for plant variety protection certificates shown below.

For good and valuable consideration, receipt of which is hereby acknowledged, Agrigenetics hereby assigns to UF Genetics, Inc., a Delaware corporation having a place of business at 9800 Fairview Road, Hollister, California 95024, Agrigenetics' entire right, title and interest in and to the following plant variety protection certificates and applications therefore, together with all Agrigenetics' rights to the sexually reproduced plants that are the subject of such certificates and applications:

I. Registered Certificates

<u>Title</u>	<u>Certificate Number</u>	<u>Date</u>
Empress	7900045	4/15/82
9014	Ap8100174	9/28/81
9293	Ap8100175	9/28/81
9400	Ap8200007	10/22/81
Paymaster	7600058	12/7/77
Lakeland	7600059	1/26/78
Triumph	7600061	12/30/77
Broker's Choice	8100175	4/28/83
Profit Maker	8100174	4/28/83
Shannon	8200007	4/28/83
Sunrise	7100029	6/24/74
Lake Shasta	7100030	8/12/74
Lake Erie	7100031	8/12/74
Rebel	7100033	9/30/74
Lake Superior	7100034	5/21/74
Miami	7100036	2/28/74
Lake Geneva	7200068	5/21/74
Scanion	7300001	11/15/74
Picoverde	7300016	4/10/73
Raider	7400069	7/26/74

Lake Largo	7400104	9/30/74
Lake Seneca	7500096	11/24/75
Chaparral	7600052	5/16/77
Costaverde	7600053	8/24/77
Gustoverde	7600054	8/24/77
✓ Mesaverde	7600055	5/31/77
✓ Conquest	7700058	7/26/77
✓ Commander	7900067	7/26/79
✓ Keygold	8000111	10/16/80
✓ Snapbean, Exp. 163	7600058	12/7/77
Snapbean, Exp. 195	7600059	1/6/78
✓ 'Green Genes' Bean	7600060	12/7/77
Snapbean, Exp. 116-0	7600061	12/30/77
✓ Mikado (AVX 450)	Ap8400037	12/30/83
✓ Mystro	8500064	4/16/85

## II. Pending Certificate Applications

<u>Title</u>	<u>Application Number</u>	<u>Filing Date</u>
✓ Cajun Queen	Pending	--
✓ Mendota	Pending	--
✓ Sunset	Pending	--
✓ Alpine	Pending	--
✓ Polaris	Pending	--

AGRIGENETICS CORPORATION

By: Murray Palmer  
 Title: Executive Vice President

COMMONWEALTH OF MASSACHUSETTS )

County of Suffolk )

On this 30<sup>th</sup> day of April, 1986, before me appeared  
William J. Johnson, the person who signed this  
instrument, who acknowledged that he signed it as a free act on  
behalf of Agrigenetics Corporation.

William J. Johnson  
Notary Public  
My Commission Expires: 1/1/87



From Technology To Life

P.O. Box 1438, 2320 Technology Parkway, Building 11 Suite A, Hollister, CA 95024-1438 USA 408/636-9505 TWX 910-3720254

June 7, 1988

Kenneth H. Evans, Commissioner  
Plant Variety Protection Office  
National Agriculture  
Library Building, Room 500  
Beltsville, MD 20705

Re: Change of Assignment.

Dear Mr. Evans:

This letter is in reference to your correspondence to me, dated July 14, 1987. I wish to make it clear that this change of assignment is to indicate a name change only, from U.F. Genetics, Inc. to Sunseeds Genetics, Inc.

Also, in reference to 'Mystro' tomato, have Item 1 read Sunseeds Genetics, Inc. and issue the certificate to Sunseeds Genetics, Inc.

Enclosed please find a check in the amount of \$170.00 to cover the cost of changing the certificates.

Title	Certificate No.	Date
Empress	7900045	4/15/82
9014	Ap8100174	9/28/81
9293	Ap8100175	9/28/81
9400	Ap8200007	10/22/81
Paymaster	7600058	12/7/77
Lakeland	7600059	1/26/78
Triumph	7600061	12/30/77
Broker's Choice	8100175	4/28/83
Profit Maker	8100174	4/28/83
Shannon	8200007	4/28/83
Sunrise	7100029	6/24/74
Lake Shasta	7100030	8/12/74
Lake Erie	7100031	8/12/74
Rebel	7100033	9/30/74
Lake Superior	7100034	5/21/74

**SUNSEEDS**®

June 7, 1988  
Kenneth H. Evans  
Page 2

<u>Title</u>	<u>Certificate No.</u>	<u>Date</u>
Miami	7100036	2/28/74
Lake Geneva	7200068	5/21/74
Scanion	7300001	11/15/74
Picoverde	7300016	4/10/73
Raider	7400069	7/26/74
Lake Largo	7400104	9/30/74
Lake Seneca	7500096	11/24/75
Chaparral	7600052	5/16/77
Costaverde	7600053	8/24/77
Gustoverde	7600054	8/24/77
Mesaverde	7600055	5/32/77
Conquest	7700058	7/26/77
Commander	7900067	7/26/79
Keygold	8000111	10/16/80
Snapbean, Exp. 163	7600058	12/7/77
Snapbean, Exp. 195	7600059	1/6/78
'Green Genes' Bean	7600060	12/7/77
Snapbean, Exp. 116-0	7600061	12/30/77
Mikado (AVX 450)	Ap8400037	12/30/83

Sincerely,



Gene Hookstra  
Vice President, Research

GH/mo

enc: Check  
Copy of Correspondence from K.H. Evans

7100029

BILL OF SALE AND ASSIGNMENT

FOR VALUE RECEIVED, Sunseeds Genetics Inc, a Delaware Corporation, with its principal offices at 2320 Technology Parkway, Hollister, California, ("Sun") does hereby sell, transfer, assign and convey to Rogers Brothers Seed Company, a Delaware Corporation with principal offices at 1755 Westgate Drive, Boise, Idaho, ("Rogers") the following:

1. All Suns intangible assets relating to its pea, snap pea, garden bean, runner bean, cow pea, dry bean, and lima bean business ("Products").
2. All plant variety protection rights and all plant variety protected materials along with the rights to use the names thereof including all varieties listed on Schedule A attached hereto and incorporated herein by this reference.
3. All proprietary plant varieties and all other proprietary information relating thereto which are related to Products.
4. All patents, patent application and patent applications relating to the Products.
5. All research property relating to Products including notebooks, findings, pedigrees, records of experiments and their results, seed stocks, know how, techniques, all other proprietary information in whatever form stored, germ plasm, the germ plasm uses, seed samples and their coding and indexing methods.
6. All trademarks, trade names, service marks and copyrights which apply to the Products excluding any name which includes the corporate name of Sun and its affiliates.
7. Any and all other intangible assets and property rights relating to Products not specifically mentioned herein.



SUNSEEDS GENETICS, INC.  
 PLANT VARIETY PROTECTION - USA  
 AS OF 8/10/88

Variety	Cert #	Issued	Expires	Issued To
<u>Peas</u>				
Alpine	8500101	09/27/85	09/27/03	Sunseeds, A Div. of Agri. Sunseeds Genetics, Inc.
Blizzard	8700022	06/30/87	06/30/05	
Mendota	AP 8500163	05/30/85		Agrigenetics Corporation
Polaris	AP 8600017	11/12/85		
Sunset	8300074	04/30/84	04/30/02	
Titania	AP 8200008	10/26/81		
<u>Beans</u>				
Brokers Choice	8100175	04/28/83	04/28/01	Agrigenetics Corporation
Conquest	7700058	07/26/77	07/26/94	Keystone Seed Co., Inc.
Empress	7900045	04/15/82	04/15/00	Agrigenetics Corporation
Green Genes	7600060	12/07/77	12/07/94	Northrup King
Keygold	8000111	10/16/80	10/16/97	Keystone Seed Co., Inc.
Lake Erie	7100031	08/12/74	08/12/91	Keystone Seed Co., Inc.
Lake Geneva	7200068	05/21/74	05/21/91	Keystone Seed Co., Inc.
Lake Largo	7400104	09/30/74	09/30/91	Keystone Seed Co., Inc.
Lake Seneca	7500096	11/24/75	11/24/92	Keystone Seed Co., Inc.
Lake Shasta	7100030	08/12/74	08/12/91	Keystone Seed Co., Inc.
Lake Superior	7100034	05/21/74	05/21/91	Keystone Seed Co., Inc.
Lakeland	7600059	01/26/78	01/26/95	Agrigenetics Corporation
Miami	7100036	02/28/74	02/28/91	Keystone Seed Co., Inc.
Mikado (AVX 450)	8400037	03/31/87	03/31/05	Sunseeds Genetics, Inc.
Paymaster	7600058	12/07/77	12/07/94	Agrigenetics Corporation
Profit Maker	8100174	04/28/83	04/28/01	Agrigenetics Corporation
Raider	7400069	07/26/74	07/26/91	Keystone Seed Co., Inc.
Rebel	7100033	09/30/74	09/30/91	Keystone Seed Co., Inc.
Shannon	8200007	04/28/83	04/28/01	Agrigenetics Corporation
Sunrise	7100029	06/24/74	06/24/91	Keystone Seed Co., Inc.
Triumph	7600061	12/30/77	12/30/94	Agrigenetics Corporation

AP = PVP applied for

SCHEDULE A

DATED this the 26 day of May, 1989.

SUNSEEDS GENETICS INC:

BY [Signature]  
its: EXECUTIVE VICE PRESIDENT

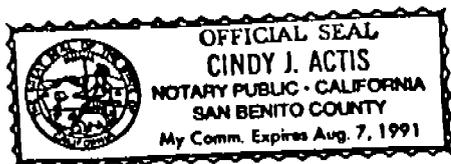
ATTEST:

[Signature]

State of CALIFORNIA        )  
  ) ss  
County of SAN BENITO        )

On this 26th day of May, 1989, before me, the undersigned Notary Public, personally appeared WILLIAM FRAZIER and ROBERT VAN MARTER known to me to be the EXECUTIVE V.P. and V.P. OF FINANCE respectively of the corporation that executed the instrument, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal, the day and year in this certificate first above written.



Cindy J Actis  
Notary Public  
Residing at: Hollister, CA  
My commission expires: 8/7/91