7900029

# THIE UNITED STRATES OF AMERICA

TO ALL TO WHOM THESE: PRESENTS: SHALL COME:

# Ferry-Morse Seed Company

Tolkereas, 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 EED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXTUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, APORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CHRYSANTHEMUM

'Applause Yellow Shades'

In Testimony Watercot, 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 10th day of December in the year of our Lord one thousand nine hundred and eighty-one.

Attest:

Compissioner

Plant Variety Protection Office

Grain Division

Agricultural Marketing Service

La R Block

	UNITED STATES DEPARTME AGRICULTURAL MARK LIVESTOCK, POULTRY, GRA	CETING SERVICE			FORM APPROVED OMB NO. 40-R3822	
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE INSTRUCTIONS: See Reverse.				No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).		
1a.	TEMPORARY DESIGNATION OF VARIETY	1b. VARIETY NAM	_	FOR OFFICE	AL USE ONLY	
	E8213	APPLAUSE YELLOW SHADES		7900029		
2.	KIND NAME	3. GENUS AND SPECIES NAME		FILING DATE	TIME A.M.	
	CHRYSANTHEMUM, SEED TYPE	Chrysanthemu	m morifolium	12-12-78 FEE RECEIVED	3,00 P.M	
4.	FAMILY NAME (BOTANICAL)	5. DATE OF DETE	MINATION	\$ 500.00	12-12-18	
	Compositae	January	10, 1978	\$ 250.00	10/26/81	
6.	NAME OF APPLICANT(S)		t and No. or R.F.D. No.,		8. TELEPHONE AREA	
	Ferry-Morse Seed Company	B .	Ferry-Morse Wa	У	415-967-6973	
	Dr. Scott C. Trees,		O. Box 100 ntain View, CA	94042	413-907-0973	
9,	Breeder IF THE NAMED APPLICANT IS NOT A PE	RSON, FORM OF		ED, GIVE STATE AND	11. DATE OF INCOR-	
	ORGANIZATION: (Corporation, partnersh Corporation	ip, association, etc.)	DATE OF INCOR	PORATION April 7, 1969	PORATION April 7, 1969	
12.	NAME AND MAILING ADDRESS OF APP ALL PAPERS: Mr. D. V. Brot	LICANT REPRESENTA	l Azivetsi Jetany, toj	SERVE IN THIS APPLIC	· - ·	
	Ferry-Morse Se	ed Company	ve vice lieside	:11 C		
	111 Ferry-Mors		Box 100			
13.	CHECK BOX BELOW FOR EACH ATTACH	CA 94042				
, 0.	<del></del>		57 '	70 f.d. mt		
			Variety (See Section 3	2 of the Plant Variety	Protection Act.)	
	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? (See Section 83(a). (If "Yes," answer	TSEED OF THIS VAR er 14B and 14C below.)	IETY BE SOLD BY VAR	RIETY NAME ONLY AS NO	A CLASS OF CERTIFIED	
14b.	DOES THE APPLICANT(S) SPECIFY THAT LIMITED AS TO NUMBER OF GENERATI	T THIS VARIETY BE ONS?	14c. IF "YES," TO 14 TION BEYOND B	B, HOW MANY GENER.	ATIONS OF PRODUC-	
	YES NO	,	FOUNDATION	REGISTERED	CERTIFIED	
15a.	DID THE APPLICANT(S) FILE FOR PROT name of countries and dates.)	ECTION OF THIS VAI	RIETY IN OTHER COU	NTRIES? YES	NO (If "Yes," give	
				<b>(</b>		
	•	. •	3			
15b.	b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? YES X NO (If "Yes," give name of countries and dates.)					
				4. * 4. *		
16,	DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL?					
17.	The applicant(s) declare(s) that a viable sample of basic seed 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 Act.					
: -	Applicant(s) is (are) informed that false	e representation here				
.:	11/30/18		FERRY	Myrse SEED (	COMPANY	
-	(DATE)		0 1/1	SIGNATURE OF APPLI	PANT)	
		•	EX ECG	I'VE VIJE TRE	SIDENT ]	

#### INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, 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**

- 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.
- 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.
- 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.
- Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- 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.
- 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.)
- See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

#### EXHIBIT A: ORIGIN AND BREEDING HISTORY

#### VARIETY: E8213

E8213 was originally a single plant selection in 1969 from the variety, Cushion Formula Mixed. This selection was chosen primarily for daylength insensitivity. In following generations, (see attached pedigree) until 28900B/75, selections were made with primary emphasis on daylength insensitivity, with secondary emphasis on dwarfness of habit and for compact, mound shaped plants. 28900B/75 was selected for its yellow color, as well as daylength insensitivity, and its compact habit. In 1976, it was judged that the line was uniform enough for mass crossing, and again this selection was for improved yellow color and compact habit. Daylength insensitivity was quite uniform throughout the line at this point.

In 1977, the line was quite uniform for all characteristics, and on January 10, 1978, the line was given the experimental designation of E8213.

#### SUPPLEMENT TO EXHIBIT A 2-1-81

Seed increases of E8213 since 1976 have yielded plants quite uniform for habit and daylength insensitivity. Trial rows of E8213 grown from the 1976 mass increase bloomed 100 to 110 days after sowing, and plant habit was uniform. Also, plants from the 1979 seed increase (two generations removed from the 1976 seed increase) were not distinguishable, in the same trial, from the 1976 mass increase.

Normal variation E8213 can be found in flower color and flower form. The majority of plants will have yellow flowers of the single daisy type. Colors can vary from light yellow to dark yellow. Flower form varies from single daisy to semi-double daisy, with three or four plants out of 100 showing semi-quilled or semi-spoon type petals.

#### CHRYSANTHEMUM - PEDIGREE:

#### E8213

55328 Mass #1/78	3 plants mass crossed (S. Dwf. Yellow Shades)
48161 Mass/77	6 plants mass crossed (S. Dwf. Yellow Shades)
38318 Mass/76	Mass cross (S. Dwf. Yellow Shades)
28900В/75	Single plant selection (Yellow) for selfing (28900 uniformly yellow and earliest line in field)
22897B/74	Single plant selection (Yellow) for selfing (22897 segregating for Cream, White, Yellow)
1051B/73	Single plant selection (White) for selfing
357A/72	Single plant selection (Extra Early Cushion Pink) for selfing.
102A/71	Single plant selection (Extra Early Cushion Pink) for selfing.
4719E/70	Single plant selection for selfing.
1969	Single plant selection from Cushion Formula Mixed

#### SUPPLEMENT TO CHART: (2-1-81)

Please note that the main selection criteria for each generation was early blooming (daylength insensitivity), and for color. Selection against self incompatibility was not a criteria, and in fact many of the selfed plants yielded very small amounts of seed, indicating some self incompatibility.

#### EXHIBIT B: DATA INDICATIVE OF NOVELTY:

VARIETY: E8213

In 1977, E8213 was compared with F<sub>1</sub> Fanfare, from T. Sakata & Co., Monarch Korean Sunset Mix, from Hurst, Gunson Cooper Taber Ltd; Chrysanthemum Indicum Charm Mix, from Hurst Gunson Cooper Taber Ltd; and F<sub>1</sub> Autumn Queen, from T. Sakata & Co., In 1978, E8213 was compared with Chrysanthemum Japonicum Eriso Semi Dwarf Mix from Clause Seed Co.

E8213 is distinct and unique by combining in one breeding line the characteristics of: Dwarfness and uniformity of plant habit; daylength insensitivity; and restricting flower color to shades of yellow:

	Time to First Bloom	Plant Description
E8213	100-110	Compact plant habit. Blooms cover foliage. Flowers are all daisy type, yellow shades. Plants are 25 to 38 cm in height.
F <sub>1</sub> Fanfare	Very day length sensitive	Upright plants. Blooms on upper parts of plants only, no blooms on sides. Flowers of all colors. Flowers from single to double. Plants 40-50 cm. in height.
Eriso Semi Dwarf Mix O.P.	130-160	Upright plant habit. Flowers of all colors, blooms predominately on upper parts of plants. Plants 40-50 cm in height.
Monarch Korean Sunset Mix	130-160	Upright plant habit. Flowers of all colors. Not uniform for height, plants 30 to 50 cm in height.
F <sub>1</sub> Autumn Queen	Very day length sensitive	Uniform for height. Compact habit. Flowers of all colors. 20 to 33 cm in height.
Chrysanthemum Indicum Charm Mix	130-160	Compact plants, variable for height. Flowers of all colors. Plants are 23 to 33 cm in height.

#### SUPPLEMENT TO EXHIBIT B 2-1-81

In 1980, E8213 was compared to seed chrysanthemums  $F_1$  Golden Dream (Sakata Co.), and to Petite Point Mix (from Bødger Seed Co.). All were sown on 4-17-80, some sixty days prior to the longest day of the year. This was an attempt to have bud initiation coincide with the longest photoperiod day of the year, to show that E8213 does exhibit a high degree of daylength insensitivity. Over 75% of the E8213 trial rows were blooming 110 days after sowing, with the remainder blooming within the next 20 days.

F<sub>1</sub> Golden Dream had buds with some color showing 157 days after sowing, with 75% of the plants in bloom 180 days after sowing.

Petite Point Mix had its first bloom 120 days after sowing, with 50% of the plants in bloom 180 days after sowing.

E8213 is most similar to the chrysanthemum Charms Mixed, from Sutton Seed Co., in that plant habits are similar. E8213 differs significantly from Charms Mixed in being earlier to bloom, more uniform in height, and E8213 is shades of bronze compared to the mix of color in Charms.

CHARMS MIXED = SUTTON'S CHARM DOB

E8213 is also quite similar to F<sub>1</sub> Golden Dream, in that they both have flowers in a range of yellow shades. E8213 is earlier blooming and 15 to 18 centimeters shorter than Golden Dream.

#### UNITED STATES DEPARTMENT OF AGRICULTURE Agricultural Marketing Service, LPGS Plant Variety Protection Office Beltsville, Maryland 20705

## OBJECTIVE DESCRIPTION OF VARIETY CHRYSANTHEMUM (Chrysanthemum spp.)

Unkidanin	EFFOR (Chrysanthemum spi	D• J
Name of Applicant FERRY-MORSE SEED COMPANY	Temporary Designation E8213	Variety Name Semi Dwarf Yellow Shades APPLAUSE
Address (Street and No. or R.F.D. No. Zip Code)		For Official Use Only PVPO Number
111 Ferry-Morse Way, Drawer 7274, Mountai	n View, CA 94042	7900029
Describe first year unpruned plant the boxes (e.g., 089) to indi best describe this variety. Speci blanks provided when supplying com a recognized color chart (see page (Manufactured by Munsell Color Comp	cate the character expr fy the appropriate vari parative data. Whenever 6). Specify color char	ressions which lety name in the er possible. use
1. SPECIES NAME:		
	Ramat. 2= other (sp	ecify)
2. PLANT TYPE (at full bloom):		
Garden habit:		
l= Cushion <u>flora</u> (Minnwhite)	al canopy extending to	ground line
2= Mound <u>floral</u> (Ruby Mound)	canopy ending above gr	ound line
3= Upright nonspreading (Polar Star)	l= Upright sp (Autumn Fi	
5= Decumbent spreading (Golden Carpet)		
Height:	Width:	
0 2 8 cm  *Petit	1 1 1	*Petite <b>er than</b> Point Mix
	<u> </u>	idth as
same height as	cm wider	
cm taller than  * PETITE	POINT MIX: Bodger See	777
	P.O. Box 5	

El Monte, CA 91734

Q	0	Photo-response number of weeks after initiation of like hour short
		day photoperiods until plant with fully open flowers (under natural
		flowering response; photo-insensitive = 00).

Temperature response -- inhibitory effect of temperature on normal development of visible flower buds (with controlled temperature and short photoperiods of less than 13 hours; Cathey 1954).

l= inhibition at 50°F (thermopositive)

2= inhibition at 70°F (thermonegative)

3= no ihibition at 50 or 70°F (thermozero)

3. LEAF (observe mature leaves attached near midpoint of stem before initiation of flower buds):

2 Color of upper surface:

l= light green
 (Mesabi)

2= medium green

3= dark green
 (Minnruby)

1 Texture:

l= soft

2= leathery

2 Margins of major basal sinuses:



1= divergent

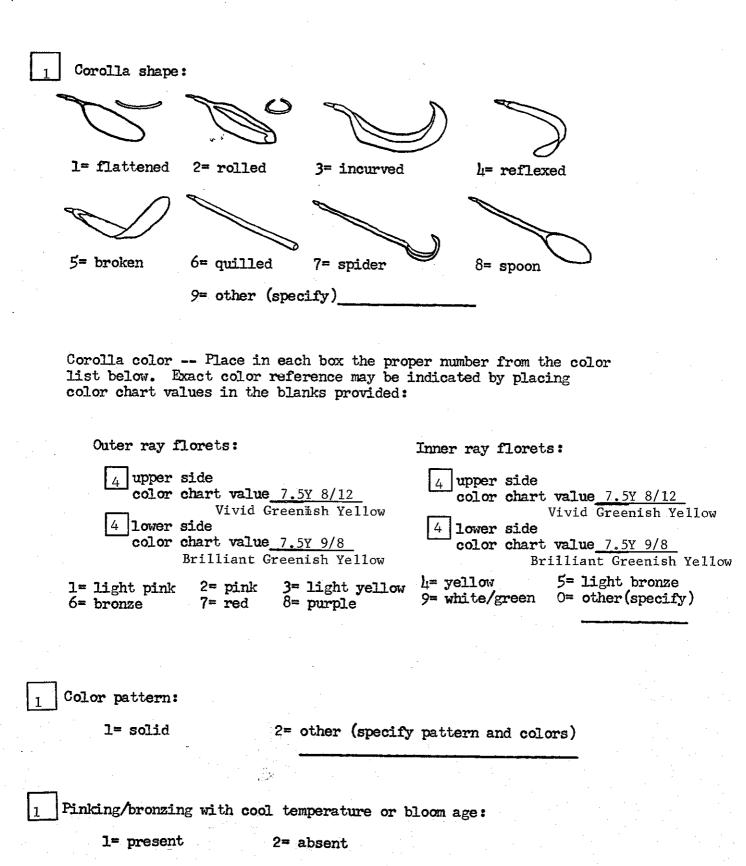


2= parallel



3= convergent

ь.	FLOWER HEAD (observe fresh fully open blooms):	
	Diameter: Height:	
	0 4 0 mm	•
	same diameter as Petite Point sam	horter than e height as Petite Point Mix igher than
	Receptacle diameter (include disk florets when pres	ent):
	1 0 mm	
1	Type (number of ray floret rows given in parenthese	s):
	l= single (1) 2= semi-double (2 to 5)	
	3= double (>5, disk florets present at center)	
	h= fully double (>5, disk florets absent at cent	er)
7	7 Bloom classification (according to National Chrysan	themum Society, 1978):
	l= irregular incurve 2= reflex 4= decorative 5= intermediate incu 7= single and semi-double 8= anemone 10= quill 11= spider 13= unclassified	3= regular incurve rve 6= pompon 9= spoon 12= brush and thistle
2	Bloom scent:	
	l= absent 2= present	
5.	RAY FLORETS (observe fresh fully open blooms):	
1	1 Corolla tips:	
•	ンシンが	3 0
	l= pointed 2= rounded 3= dentate 4= lacinat	



•	· · · · · · · · · · · · · · · · · · ·			
6.	DISK FLORETS (a	t anthesis):		
	Distribution:			
**************************************	l= center	of head, conspicuous	2= center c	of head, inconspicuous
	3= mostly	scattered among ray floret		
1	Corolla color:			
	l= yellow	2= brown 3= black 4	= other (specif	'y)
	color cha	rt value 5Y 8/12 Vivid Yell	.ow	
2	Corolla shape:			
<del></del>	l= tubular	c 2= funnel 3= pe	taloid	
0 0 0 0 0	Powdery Mildew Rust (Puccimia Leafspot (Septo Wilt (Verticill Gray Mold/Petal Ray Blight (Myc. Bacterial Bligh	ium spp.)  Rot (Botryis cinerea) osphaerella ligulicola) t (Erwinia carotovora) obacterium tumefaciens)	tible 2= resis	tant):
8. I	for the following		HARMS MIXED = S	r submitted Sutton's CHARM MB
	Character	Name of Variety	Character	Name of Variety
.	Plant Habit	CHARMS MIXED	Flower Size	CHARMS MIXED
	Plant Size	CHARMS MIXED	Flower Shape	CHARMS MIXED

Flower Color | F1 GOLDEN DREAM CHARMS MIXED FROM: SUTTON'S SEEDS LTD, Hele Rd, Torquay, Devon, TQ2 7QJ, GREAT BRITAIN
F1 GOLDEN DREAM from: SAKATA COMPANY CPO Box Yokohama #11 Yokohama JAPAN 220-91

CHARMS MIXED

Leaf Shape

#### REFERENCE

Cathey, H.M. 1954. Temperature classification of chrysanthemum. Bull. N.Y. State Flower Growers 104: 1.

National Chrysanthemum Society. 1978. Handbook on chrysanthemum classification. National Chrysanthemum Society, Inc., U.S.A.

#### SUGGESTED COLOR CHARTS

Munsell Color Co., Inc. 1966. Munsell book of color. Baltimore.

The Royal Horticultural Society. 1966. R.H.S. colour chart. London.

U.S. Department of Commerce, National Bureau of Standards. 1976. National Bureau of Standards standard reference material 2107 color kit. Washington, D.C.

#### EXHIBIT C - OBJECTIVE DESCRIPTION OF VARIETY

VARIETY: E8213

Comparison varieties used in the objective description were chosen because they are seed propagated varieties. E8208 was developed to be grown from seed, and to compete in the marketplace with the varieties mentioned in exhibit B, and therefore it was felt that comparisons would be more appropriate between E8208 and other seed propagated mums.

#### EXHIBIT D - BOTANICAL DESCRIPTION OF THE VARIETY

VARIETY: E8213

Plants grown in the field are 25 to 38 cm in height when mature, with a spread of 25 to 38 cm. Plant habit is very branched, the plants having the basic shape of a half sphere. All parts of the plant have a strong Chrysanthemum scent.

The leaves are dark green and slightly pubescent above; and densely tomentose and lighter green underneath. The leaves are alternate, and are ovate to lanceolate in shape, with margins coarsely toothed to deeply dissected.

Flower peduncles emerge from leaf and apex axils, one peduncle per axil. Each peduncle terminates in a flower head, which opens to form a radiate disk flower. In full bloom, the plant is covered with flowers; the flowers being held above and covering the foliage. Each individual flower is 3.5 to 5.5 cm wide, with a center disk approximately 1 cm across. The center disk is invariably yellow; ray flowers have entire margins and range in color from very pale yellow to bright, intense yellow. The ray flowers are arranged in one to three rows. The ray flower petals are 12.5 mm in length, and are 3 mm in width. Involucre scales are imbricated and appressed.

The seed is sepia colored; approximately 1.5 mm long, and less than .5 mm thick, with an elongated elipsoid shape.

## 

		EXHIBIT "E"		
	<b>V</b>	Plant Variety	Protection Appli	.cation
		No:		
	ASSIG	<u>nment</u>		
ı,	SCOTT C. TR	EES	, agree and he	reby
do transfer and assign	n to FERRY-MORSE SE	ED COMPANY all	of my rights, ti	tle,
and interest in and to	that certain vari	ety hamely, <u>CH</u>	RYSANTHEMUM E8213	)
for which application	for Plant Variety	Protection Cer	tificate has beer	filed.
This agreement shall b	e binding on my ad	ministrators,	successors and as	signs.
In Witness Whe	ereof, I have execu	ted this agree	ment this 3rd day	of
November, 1978.				
			BREEDER	
		Sa	AC. //c	ees

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

NEWY01A:171511:1:09/26/97 26757-1

UIUUUFA

### CERTIFICATE OF AMENDMENT

OF THE

### ARTICLES OF INCORPORATION

ENDORSED
FILED
In the office of the Secretary 4.00

In the office of the Secretary of State of the State of California

JUN 3 0 1997

OF

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

BILL JOHES, Segretary of Statu

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, President

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 3 0 1997



Billyones

Secretary of State