No. 7600030

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

General Foods Corporation

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

PEA

'Lehi'

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* ninth *day of* May *in the year of our Lord one thousand nine hundred and* seventy-seven

Attest:

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Secretary of Agriculture

FORM GR-470
(12-15-72)

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

FORM APPROVED
OMB NO. 40-R3712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

1. VARIETY NAME OR TEMPORARY DESIGNATION LEHI (43-711-J)	2. KIND NAME Garden Pea	FOR OFFICIAL USE ONLY PV NUMBER 7600030
3. GENUS AND SPECIES NAME Pisum sativum	4. FAMILY NAME *(Botanical)* Leguminosae	FILING DATE 1.19.76 / TIME 3:00 A.M.
	5. DATE OF DETERMINATION June, 1969	FEE RECEIVED $250.00 $250.00 $250.00 / BALANCE DUE $ $ $
6. NAME OF APPLICANT(S) General Foods Corporation	7. ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)* 1164 Dell Avenue Walla Walla, WA 99362	8. TELEPHONE AREA CODE AND NUMBER (509_ 525-7890

9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: *(Corporation, partnership, association, etc.)* Corporation	10. STATE OF INCORPORATION Delaware	11. DATE OF INCORPORATION 2/11/22

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

Don C. Marley
Horticulturist
General Foods Corporation
1164 Dell Avenue
Walla Walla, WA 99362

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

[X] 13A. Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)*

[X] 13B. Exhibit B, Botanical Description of the Variety

[X] 13C. Exhibit C, Objective Description of the Variety

[X] 13D. Exhibit D, Data Indicative of Novelty

[X] 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 [X] NO

14B. Does the applicant(s) specify that this variety be limited as to number of generations? [ ] YES [X] 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.

GENERAL FOODS CORP

11-11-76 (DATE) — By Don C Marley (SIGNATURE OF APPLICANT)

(DATE) — (SIGNATURE OF APPLICANT)

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GARDEN PEA
LEHI (43-711-J)

13 A. Exhibit A.

1. Genealogy.

A cross between Jordan, a General Foods Corporation development, and Marquis developed by Van Wavern of Germany. Jordan is a mid-season variety having similar plant characteristics to Dark Skin Perfection but is stiffer which makes it stand erect at green harvest stage as compared to Dark Skin Perfection which falls when the pods are full. The seed at 95-100 tenderometer is very dark green as compared to the dark green color of Dark Skin Perfection. Marquis. The plants of Marquis are not as heavy as those of Dark Skin Perfection and the leaves and leaflets are considerably smaller. The seed at 95-100 tenderometer will average 85-90% three sieve and under but are similar in color to those of Dark Skin Perfection.

2. Breeding Methods.

All seed was bulked for the first three generations, and since the aim was to develop a very small sieve pea (mostly threes and under) with a very dark green color, the small seed was separated, and approximately 8,000 seeds were planted, from which 100 single plants with the desired characteristics were selected. This new variety was then the result of many years of selection, with final selection in f/9 generation.

3. Frequency of variants.

Early plants (9-10 nodes) not to exceed .1% have been noted in the increase fields. To further reduce these, the seed fields have been systematically rogued.

4. Evidence of Stability.

Except for these occasional early plants, no other off types have been noted.

GARDEN PEA
LEHI (43-711-J)

13 B. Exhibit B. Statement of Variety's Novelty.

1 a. Seed (Mature dry)

Variety	Wt. of 100 Seeds (Grms)
Lehi (43-711-J)	13.0
Venus	24.8
Coronet	20.3
Signet	25.0
Swinger	19.9
Melody	19.0
5147 Dark Skin Perfection	24.0
Dark Skin Perfection	22.4
Sagittarius	19.9

b. Seed (Green - 95-100 Tenderometer)

	Sieve Size Percent		
Variety	3's & Und	4's	5's & Over
Lehi (43-711-J)	73	24	3
Abador	55	34	11
Ivy	85	13	2
Coronet	26	28	46
Beacon	47	46	7
Puget	14	43	43
Dark Skin Perfection	7	16	77

c. Seed Color (95-100 Tenderometer)

As compared to other small sieve varieties such as Abador, Frizette and Ivy, the color of Lehi is very dark green where the color of Abador, Frizette and Ivy as well as Dark Skin Perfection, Signet, Coronet and Puget would be Dark Green.

The color of Lehi and Beacon (Cert. No. 7100039) would be comparable but Lehi is smaller in sieve size.

Garden Pea
Lehi (43-711-J)
13 B. Exhibit B.

d. Plant characters that are different. The plants of Lehi are much stiffer than Coronet, Signet, Beacon, Puget and Dark Skin Perfection. The last five varieties will be flat on the ground at harvest where Lehi will be standing which prevents any blonding of the green peas.

FORM APPROVED. OMB NO. 40-R3712

FORM GR-470-14
(5-15-74)

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

EXHIBIT C
(Pea)

OBJECTIVE DESCRIPTION OF VARIETY

PEA *(PISUM SATIVUM)*

NAME OF APPLICANT(S)
General Foods Corporation

ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*
1164 Dell Avenue
P. O. Box 1398
Walla Walla, WA 99362

VARIETY NAME OR TEMPORARY DESIGNATION
LEHI (43-711-J)

FOR OFFICIAL USE ONLY

PVPO NUMBER
7600030

Place the appropriate number that describes the varietal character in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. TYPE:

[1] 1 = GARDEN 2 = FIELD 3 = EDIBLE-PODDED

2. MATURITY:

[1][6] Node number of first bloom: [0][7][5] No. of days to processing [1][6][2][5] Heat Units

[0][0] No. of days *Earlier* than . . . [5] 1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL

[0][7] No. of days *Later* than . . . [2] 4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

3. PLANT HEIGHT:

[0][5][5] CM. HIGH

[6][7] Cm. *Shorter* than . . . . . [5] 1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL

[0][4] Cm. *Taller* than . . . . . [4] 4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

4. VINE:

[1] Habit: 1 = DETERMINATE 2 = INDETERMINATE [2] Stockiness: 1 = SLIM (Alaska) 2 = MEDIUM (Thomas Laxton WR) 3 = HEAVY (Alderman)

[2] Branching: 1 = NONE (Alaska) 2 = 1–2 BRANCHES (Little Marvel) 3 = MORE THAN 2 BRANCHES (Dwarf Gray Sugar

[1] Internodes: 1 = STRAIGHT 2 = ZIG ZAG [2][1] NUMBER OF NODES

5. LEAFLETS:

[4] Color: 1 = LIGHT GREEN (Alaska WR) 2 = MED. GREEN (Thomas Laxton WR) 3 = DARK GREEN (Alderman) 4 = OTHER (Specify) Dark Skin Perfection

[3] Wax: 1 = NONE 2 = LIGHT 3 = MEDIUM 4 = HEAVY [2] 1 = NOT MARBLED 2 = MARBLED (Alaska)

[3] Number of leaflet pairs: 1 = NOT PAIRED 2 = ONE 3 = TWO 4 = THREE OR MORE

6. STIPULES:

[2] 1 = LACKING 2 = PRESENT [1] 1 = NOT CLASPING 2 = CLASPING

[2] 1 = NOT MARBLED 2 = MARBLED [3] Size (Compared with leaflets): 1 = SMALLER 2 = SAME 3 = LARGER

[2] Color (Compared with leaflets): 1 = LIGHTER 2 = SAME 3 = DARKER

7. FLOWER COLOR:

[1] VENATION [1] STANDARD [1] WING [1] KEEL 1 = WHITE 2 = GREENISH 3 = LAVENDER 4 = PURPLE 5 = RED 6 = OTHER (Specify) _____

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'Lehi' 7600030

8. PODS:

[2] Shape: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED

[2] End: 1 = POINTED (Alderman) 2 = BLUNT (Alaska)

[4] Color: 1 = LIGHT GREEN (Alaska WR) 2 = MEDIUM GREEN 3 = DARK GREEN (Alderman) 4 = OTHER (Specify) Very Dark Green - Jordan

[1] Surface: 1 = SMOOTH 2 = ROUGH

[ ] Surface: 1 = SHINY 2 = DULL

[3] Borne: 1 = SINGLE 2 = DOUBLE 3 = SINGLE AND DOUBLE 4 = SINGLE, DOUBLE, & TRIPEE 5 = DOUBLE & TRIPLE 6 = TRIPLE 7 = OTHER (Specify) _____

[0 6] CM. LENGTH

[1 2] MM. WIDTH (Between sutures)

[0 7] NO. SEEDS PER POD

9. SEEDS (95–100 Tenderometer):

[4] Color: 1 = LIGHT GREEN 2 = GREEN 3 = DARK GREEN 4 = OTHER (Specify) Very Dark Green

Seive: %	1	2	3	4	5	6	7	8	AVERAGE
	16	27	30	24	03				271

SEEDS (Dry, Mature):

[2] Shape: 1 = FLATTENED 2 = ANGULAR 3 = OVAL 4 = ROUNDED

[3] Surface: 1 = SMOOTH 2 = DIMPLED 3 = WRINKLED

[2] Surface: 1 = SHINY 2 = DULL

[1] Color Pattern: 1 = MONOCOLOR 2 = MOTTLED 3 = STRIPED 4 = DOTTED

[5] Primary Color: 1 = CREAMY–WHITE 2 = CREAM & GREEN 3 = LIGHT GREEN 4 = MEDIUM GREEN 5 = DARK GREEN 6 = BLUE–GREEN 7 = YELLOW 8 = BROWN 9 = RED

[4] Secondary Color: 10 = GRAY 11 = BLACK

[1] Hilum Floor Color: 1 = WHITE 2 = TAN 3 = BLACK

[1] Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANGE

[1 3] GRAMS PER 100 SEEDS

10. DISEASE: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

0	FUSARIUM WILT	0	NEAR–WILT	0	DOWNY MILDEW
0	ASCOCHYTA BLIGHT	0	POWDERY MILDEW	0	BACTERIAL BLIGHT
0	MOSAIC	0	PEA ENATION MOSAIC	0	YELLOW BEAN MOSAIC

[ ] OTHER (Specify) _____

11. INSECT: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

[1] APHIDS

[0] OTHER (Specify) _____

12. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Leafiness	Marquis	Fresh Seed Color	Jordan
Leaf Color	Marquis	Mature Seed Color	Marquis
Pod Color	Jordan	Seed Shape	Marquis
Pod Shape	Marquis	Plant Habit	Marquis

COMMENTS:

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GARDEN PEA
"LEHI"

13 D. Exhibit D.

The applicant believes "Lehi" to be a novel variety because of the following characteristics:

1. "Lehi" is most similar to "Ivy" in plant type season, pod shape and sieve size of the peas when at a tenderometer reading of 95 - 100. However, it differs from Ivy as follows:

   a. Plants of "Lehi" are stiff and remain erect at harvest (Green Stage 91 - 100 tenderometer) while plants of Ivy generally become prostrate. Because of this difference no blonding (absence of chlorophyll in the green peas) has been noted with "Lehi" while it will with "Ivy", especially when vine growth is heavy. Blonding occurs when the pods are shaded.

   b. The main difference between "Lehi" and "Ivy" is that the color of the green peas (95-100 tenderometer) are darker green than those of Ivy. Based on the Royal Horticultural Society Colour Chart "Ivy" was given a color grade of Green 143A and "Lehi" was given a color of Green 141 B.

STATEMENT OF APPLICANT 7600030

13 E. Exhibit E.

General Foods Corporation which is the employer of the breeder, believes that it is the original and first breeder of the attached described variety, "Lehi" (43-711-J) Pea, for which it solicits a certificate; that it has sexually reproduced the variety; that it does not know and does not believe that the same variety was ever a public variety before the General Foods Corporation's development thereof; that General Foods Corporation is the sole breeder of this novel variety; that this variety has not been in public use or on sale in the United States more than one year prior to the filing date of this application, or described in any printed publication in any country before General Foods Corporation's development for more than one year prior to this application; and the variety has not been granted rights in any foreign country prior to the date of this application, or any application filed by General Foods Corporation, or its legal representative, or assigns; more than twelve months prior to General Foods Corporation's application in the United States.

Don C. Marley

Don C. Marley, Horticulturist
for General Foods Corporation