No. 200000107

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Busch Agricultural Resources, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED 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 TWENTY 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 [illegible]OM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, [illegible]DITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE , OR CONDITIONING IT [illegible]AGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR [illegible]ARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN [illegible]TATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SE[illegible]LL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, A[illegible] U.S.C. 2321 ET SEQ.)

BARLEY

'Tradition'

In Testimony Whereof, *I have hereunto set my hand and caused the seal of the* Plant Variety Protection Office *to be affixed at the City of Washington, D.C. this tenth day of September, in the year two thousand and four.*

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

[illegible] Agriculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions.*

FORM APPROVED - OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) *(as it is to appear on the Certificate)*
BUSCH AGRICULTURAL RESOURCES, INC.

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER
6B95-2482

3. VARIETY NAME
'Tradition

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*
3515 EAST COUNTY ROAD 52
FT. COLLINS, CO 80524 USA

5. TELEPHONE *(include area code)*
(970) 221-5622

6. FAX *(include area code)*
(970) 472-2334

FOR OFFICIAL USE ONLY
PVPO NUMBER 200000107

FILING DATE: 12-27-1999

7. GENUS AND SPECIES NAME
HORDEUM VULGARE L.

8. FAMILY NAME *(Botanical)*
GRAMINEA

9. CROP KIND NAME *(Common name)*
SPRING BARLEY

FEES RECEIVED
FILING AND EXAMINATION FEE: $ 2450.00
DATE 12-27-1999
CERTIFICATION FEE: $ 432.00
DATE 8/16/2004

10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.) (Common name)*
CORPORATION

11. IF INCORPORATED, GIVE STATE OF INCORPORATION
DELAWARE

12. DATE OF INCORPORATION
01-01-81

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS
DR. LES WRIGHT -OR- ~~DR. MIKE BJARKO~~
BUSCH AGRICULTURAL RESOURCES, INC. (SAME ADDRESS AND PHONE #)
3515 EAST COUNTY ROAD 52 Blake Cooper
FT. COLLINS, CO 80524 USA MANAGER BARLEY RESEARCH
MAH 7/22/2004

14. TELEPHONE *(include area code)*
(970) 221-5622

15. FAX *(include area code)*
(970) 472-2334

16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED *(Follow instructions on reverse)*

a. ☒ Exhibit A. Origin and Breeding History of the Variety
b. ☒ Exhibit B. Statement of Distinctness
c. ☒ Exhibit C. Objective Description of the Variety
d. ☒ Exhibit D. Additional Description of the Variety *(Optional)*
e. ☒ Exhibit E. Statement of the Basis of the Applicant's Ownership
f. ☒ Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in an approved public repository)*
g. ☒ Filing and Examination Fee ($2,450), made payable to "Treasurer of the United States" *(Mail to PVPO)* AGRO QUALITY AND AGRONOMIC DATA

17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act)*
Yes ☒ YES *(If "yes," answer items 18 and 19 below)* MAH 8/16/2004 ☒ NO *(If "no," go to item 20)*

18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☐ YES ☐ NO

19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?
☐ YES *(If "yes," give names of countries and dates)* ☒ NO

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

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

SIGNATURE OF APPLICANT *(Owner(s))*		SIGNATURE OF APPLICANT *(Owner(s))*	
Michael Bjarko			
NAME *(Please print or type)*		NAME *(Please print or type)*	
MICHAEL BJARKO			
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Barley Breeder	26 Oct '99		

2000 00107

EXHIBIT A

ORIGIN AND BREEDING HISTORY OF ~~6B95-2482~~ 'Tradition'

MAH
7/22/2004

PEDIGREE: B1603//Robust//M74/ND2470 // Hazen//3//Hazen sib//Glen/Karl

DATE OF CROSS: November, 1992

HISTORY:

History:
The cross of B1603//Robust//M74/ND2470 // Hazen//3//Hazen sib//Glen/Karl was made in the greenhouse in Fort Collins, CO in November of 1992. The F1 was grown out in the greenhouse in the spring of 1993. Since there is no segregation in the F1 no selections were made. The F2 generation was grown in the field during the summer of 1993 in Moorhead, MN. Individual plants were selected, based on the following criteria: Straw strength, Maturity, Scald resistance, Net blotch resistance. One generations of single seed descent was carried out in the greenhouse in Fort Collins during the winter of 1993/1994 with no selections. The selection 6B95-2482 originated in Crookston, MN in the summer of 1994 from an F4 headrows. At the F4 stage experimental lines are selected based on several criteria. These traits are compared with those of selected commercial varieties grown in the same location. These varieties were Robust, Excel and Stander. At the F4 headrow stage, selections is based on the following criteria:

Agronomic Traits:
Straw strength
Height, maturity
Head size
Test weight
Scald resistance.

Malting Traits:
Kernel plumpness
Protein
Extract level prediction.

The F5 generation was a seed increase during the winter of 1994/1995 in Yuma, AZ. As an F6, it was first tested in replicated yield trials in 1995 at Moorhead and Crookston, MN. It has since been grown in replicated yield trials in Minnesota, North Dakota, Montana, Idaho, Alberta, Saskatchewan and Manitoba. From the first year of yield testing through the release of the variety, continual assessments of numerous agronomic and malting traits are carried out. These traits are assessed on samples grown at several locations per year and statistically compared to the most widely grown commercial varieties, plus selected advanced experimental lines. The varieties Morex, Robust, Excel and Stander were used throughout the testing program. The following criteria are assessed at each stage of yield trial testing:

Agronomic traits:

Yield
Straw strength (lodging)
Height
Maturity
Test weight
Resistance to scald
Resistance to net blotch
Resistance to spot blotch

Malting traits:

Kernel plumpness
Extract Level
Total protein
Soluble protein
Alpha amylase
Diastatic power
Wort viscosity
Turbidity

Our most important agronomic traits are yield, straw strength and disease resistance. Our most important malting traits are extract level, protein and enzyme levels (alpha amylase and diastatic power).

It is targeted as a six-rowed malting barley for midwestern and western barley production. In 1997 head selections were made at Fort Collins, Colorado from a uniform and stable population to initiate purification and multiplication. Headrows were grown in the field at Ft Collins, CO in 1998. In 1999, headrows and progeny plots were grown in the field at Ft Collins, CO. Breeder seed is being produced in Ft Collins during the 2000 season. 6B95-2482 has been uniform and stable from F6 through F10(Breeder Seed). Less than .005% of the plants were eliminated from the field in 1999. Approximately 95% of the rogued plots were 2 to 4 centimeters taller than 6B95-2482. Less than .05% total variant plants may be encountered in subsequent generations.Certified seed will be available in 2003.

EXHIBIT B

STATEMENT OF DISTINCTNESS

MAH
7/22/2004

'Tradition'
~~6B95-2482~~ is most similar to the spring barley variety " Robust ", however it can be distinguished by the following morphological characteristics.

- 6B95-2482 has long glume hair confined to a band.
  Robust glumes are completely covered with short hair.

- 6B95-2482 has sharkskin in the interveinal areas of the lemma.
- Robust has no sharkskins in the interveinal areas of the lemma.

- 6B95-2482 has semi-smooth lemma awns.
  Robust has smooth lemma awns.

- 6B95-2482 has no hair on the margin flange of the first segment.
  Robust has hairs on the margin flange of the first segment.

- 6B95-2482 has long margin hairs on the rachis.
  Robust has short margin hairs on the rachis

- 6B95-2482 has long rachilla hairs.
  Robust has short rachilla hairs.

- 6B95-2482 has ventral crease and fence hairs.
  Robust has no ventral crease or fence hairs.

FORM APPROVED: OMB NO. 40-R3822

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

EXHIBIT C (Barley)

OBJECTIVE DESCRIPTION OF VARIETY
BARLEY (*HORDEUM VULGARE*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S)
BUSCH AGRICULTURAL RESOURCES, INC.

ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*)
3515 EAST COUNTY ROAD 52
FT. COLLINS, CO 80524 USA

FOR OFFICIAL USE ONLY
PVPO NUMBER 200000107
VARIETY NAME OR TEMPORARY DESIGNATION ~~6B95-2482~~ 'Tradition' MAH 7/22/04

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

1. GROWTH HABIT:

[1] 1 = SPRING 2 = FACULTATIVE WINTER 3 = WINTER [3] Early Growth: 1 = PROSTRATE 2 = SEMIPROSTRATE 3 = ERECT

2. MATURITY (50% Flowering):

[2] 1 = EARLY (California Mariout) 2 = MIDSEASON (Betzes) 3 = LATE (Frontier)

[2] No. of days *Earlier* than ..... [8]
[ ] No. of days *Later* than ..... [ ]
1 = BETZES 2 = CALIFORNIA MARIOUT 3 = CONQUEST 4 = DICKSON 5 = PIROLINE 6 = PRIMUS 7 = UNITAN 8 = ROBUST

3. PLANT HEIGHT (From soil level to top of head):

[3] 1 = SEMIDWARF 2 = SHORT (California Mariout) 3 = MEDIUM TALL (Betzes) 4 = TALL (Conquest)

[0][3] Cm. *Shorter* than ..... [8]
[ ][ ] Cm. *Taller* than ..... [ ]
1 = BETZES 2 = CALIFORNIA MARIOUT 3 = CONQUEST 4 = DICKSON 5 = PIROLINE 6 = PRIMUS 7 = UNITAN 8 = ROBUST

4. STEM:

[3] Exertion (*Flag to spike at maturity*): 1 = 0 - 3 cm. 2 = 3 - 10 cm. 3 = 10 - 15 cm.
[1] Anthocyanin: 1 = ABSENT 2 = PRESENT

[0][6] NO. OF NODES (Originating from node above ground)

[5] Collar Shape: 1 = CLOSED 2 = V-SHAPED 3 = OPEN 4 = MODIFIED CLOSED OR OPEN 5=SAUCER
[1] Shape of Neck: 1 = STRAIGHT 2 = SNAKY 3 = OTHER (Specify) _____

5. LEAF:

[1] Basal leaf sheath (*seedling*): 1 = GLABROUS 2 = PUBESCENT
[2] Position of flag leaf (*at boot stage*): 1 = DROOPING 2 = UPRIGHT

[2] Waxiness: 1 = ABSENT (Glossy) 2 = SLIGHTLY WAXY 3 = WAXY
[1][4] MM. WIDTH (First leaf below flag leaf)

[1][6] CM. LENGTH (First leaf below flag leaf)
[1] Anthocyanin in leaf sheath: 1 = ABSENT 2 = PRESENT

6. HEAD:

[2] Type: 1 = TWO-ROWED 2 = SIX-ROWED
[4] Density: 1 = LAX 2 = ERECT (Not dense) 3 = ERECT (Dense) 4=Mid-lax

[4] Shape: 1 = TAPERING 2 = STRAP 3 = CLAVATE 4 = OTHER (Specify) Parallel
[2] Waxiness: 1 = ABSENT (Glossy) 2 = SLIGHTLY WAXY 3 = WAXY

[3] Lateral Kernels Overlap: 1 = NONE 2 = AT TIP 3 = 1/4 - 1/2 OF HEAD
[3] Rachis (*Hair on edge*): 1 = LACKING 2 = FEW 3 = COVERED

7. GLUME:

[2] Length: 1 = 1/3 OF LEMMA 2 = 1/2 OF LEMMA 3 = MORE THAN 1/2 OF LEMMA
[3] Hairs: 1 = NONE 2 = SHORT 3 = LONG

[3] Hair covering: 1 = NONE 2 = RESTRICTED TO MIDDLE 3 = CONFINED TO BAND 4 = COMPLETELY COVERED

[3] Awns: 1 = LESS THAN EQUAL TO LENGTH OF GLUMES 2 = EQUAL TO LENGTH OF GLUMES 3 = MORE THAN EQUAL TO LENGTH OF GLUMES

[3] Awn Surface: 1 = SMOOTH 2 = SEMISMOOTH 3 = ROUGH

200000107

8. LEMMA:

[5] Awn: 1 = AWNLESS 2 = AWNLETS ON CENTRAL ROWS, AWNLESS ON LATERAL ROWS 3 = SHORT ON CENTRAL ROWS, AWNLETS ON LATERAL ROWS 4 = SHORT (less than equal to length of spike) 5 = LONG (longer than spike) 6 = HOODED

[3] Awn Surface: 1 = AWNLESS 2 = SMOOTH 3 = SEMISMOOTH 4 = ROUGH

[3] Teeth: 1 = ABSENT 2 = FEW 3 = NUMEROUS

[1] Hair: 1 = ABSENT 2 = PRESENT

[1] Shape of base: 1 = DEPRESSION 2 = SLIGHT CREASE 3 = TRANSVERSE CREASE

[2] Rachilla Hairs: 1 = SHORT 2 = LONG

9. STIGMA:

[2] Hairs: 1 = FEW 2 = MANY

10. SEED:

[2] Type: 1 = NAKED 2 = COVERED

[2] Hairs on Ventral Furrow: 1 = ABSENT 2 = PRESENT

[4] Length: 1 = SHORT (8.0 mm.) 2 = SHORT TO MIDLONG (7.5 - 9.0 mm.) 3 = MIDLONG (8.5 - 9.5 mm.) 4 = MIDLONG TO LONG (9.0 - 10.5 mm.) 5 = LONG (10.0 mm.)

[2] Wrinkling of hull: 1 = NAKED 2 = SLIGHTLY WRINKLED 3 = SEMIWRINKLED 4 = WRINKLED

[1] Aleurone Color: 1 = COLORLESS (White or Yellow) 2 = BLUE

[0 0] PERCENT ABORTIVE

[4 3] GMS. PER 1000 SEEDS

11. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant) 3 = Mod. Susceptible 4 = Mod. Resistance

[3] SEPTORIA	[2] NET BLOTCH	[4] SPOT BLOTCH	[0] POWDERY MILDEW
[0] LOOSE SMUT	[0] BACTERIAL BLIGHT	[0] COVERED SMUT	[0] FALSE LOOSE SMUT
[2] STEM RUST	[0] LEAF RUST	[3] SCAB	[3] SCALD
[0] AY	[0] BSMV	[0] BYDV	[ ] OTHER (Specify)

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

[0] GREEN BUG	[0] ENGLISH GRAIN APHID	[0] CHINCH BUG	[0] ARMYWORM
[0] GRASS HOPPERS	[0] CERIAL LEAF BETTLE	[0] OTHER (Specify)	

HESSIAN FLY RACES: [ ] GP [ ] A [ ] B [ ] C [ ] D [ ] E [ ] F [ ] G

13. CHEMICAL (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[0] DDT [0] OTHER (Specify)

14. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering	ROBUST	Seed size	ROBUST
Leaf size	ROBUST	Coleoptile elongation	ROBUST
Leaf color	ROBUST	Seedling pigmentation	ROBUST
Leaf carriage	ROBUST		

REFERENCES: The following publications may be used as a reference aid for the standardization of character descriptions and terms used in this form:

1. Wiebe, G. A., and D. A. Reid, 1961, Classification of Barley Varieties Grown in the United States and Canada in 1958, Technical Bulletin No. 1224, U.S. Dept. of Agriculture.
2. Reid, D. A., and G. A. Wiebe, 1968, Barley: Origin, Botany, Culture, Winter Hardiness, Genetics, Utilization, Pests, Agriculture Handbook No. 338, U.S. Dept. of Agriculture. pp. 61 - 84.
3. Malting Barley Improvement Association, Milwaukee, Wisconsin, 1971, Barley Variety Dictionary.

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

2000 00 107

EXHIBIT D

BOTANICAL DESCRIPTION OF ~~6B95-2482~~ 'Tradition'

MAH
7/22/2004

6B95-2482 is a six-row, mid-season spring barley bred and developed by Busch Agricultural Resources, Incorporated Ft. Collins, Colorado. It has excellent malting quality.

Juvenile growth habit is erect. Plant color at boot is green with an upright flag leaf. Head shape is parallel and mid-lax in density with a nodding head type. Neck is straight with a saucer collar. First rachis segment is long and narrow. Base of the first segment is a margin flange with no hairs on the margin. Rachis shape is plain with long hairs on the margins. Glume length is one-half the length of the kernel and glume hair is long and confined to a band. The glume awns are rough and longer than the length of the glume. Lemma awns are semi-smooth and longer than the length of the spike. Lemma teeth are frequent and sharkskin appears in interveinal areas. Lemma hair is absent and the base is a depression. Seed is covered, mid-long to long, very finely wrinkled with wax slightly present. Aleurone is colorless. Palea tips are long. Rachilla length is one-third the length of the kernel with many long hair thicker of equal length. Ventral crease is V-shaped with crease hairs and fence hairs.

6B95-2482 is a Midwestern six-rowed variety well adapted to Minnesota, North Dakota, Idaho and Montana.

~~6B95-2482~~ 'Tradition' 2000 00107

1999 Second Year Midwestern Six-Rowed A.M.B.A. Testing Candidate

MAH 7/22/04

Agronomic Summary

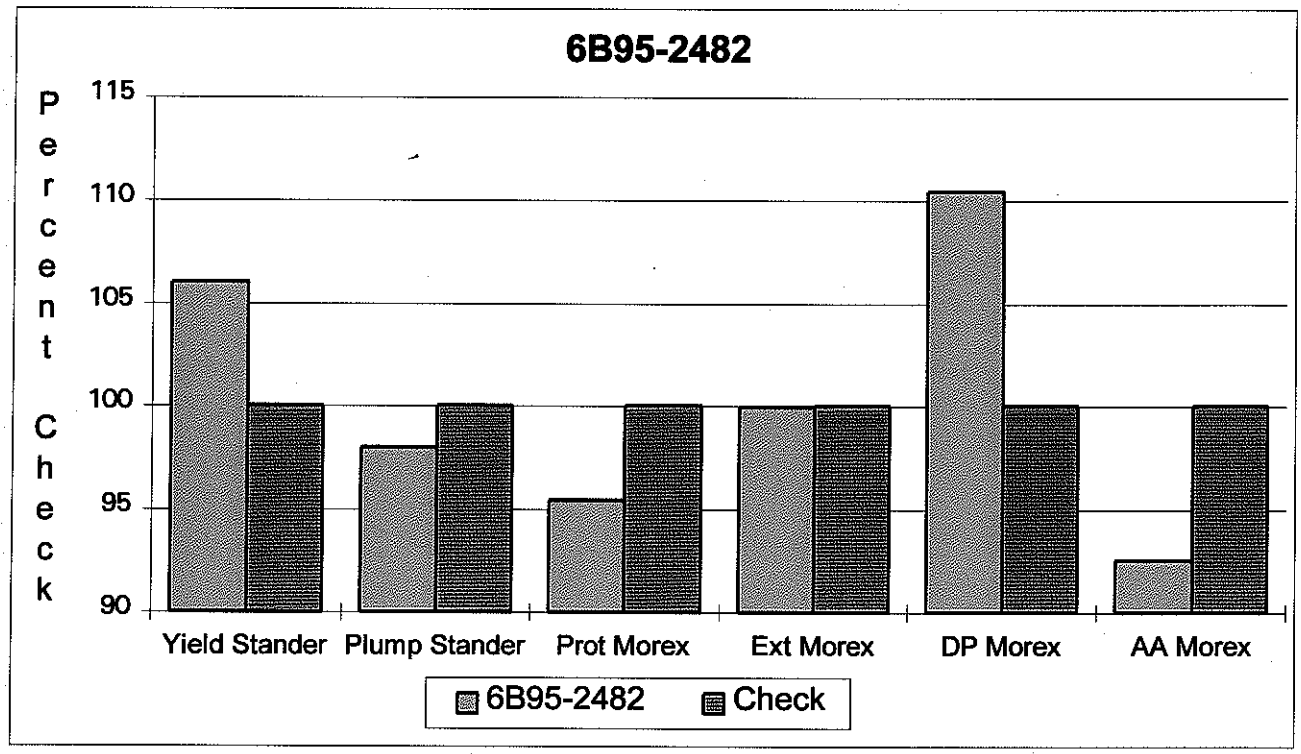
Line or Variety	Yield (% Stander) (3) 95	(3) 96	(2) 97	(6) 98	(4) 99	(18) Avg	(6) Ht CM	(6) Ldg 1-9	(10) Mat 1-9	(13) Test Wt	(3) Net Blotch	(4) Spot Blotch	(4) DON
6B95-2482	117	100	108	108	101	106	89	2.1	3.8	48.2	4.0	1.9	2.7
Stander	100 (58) *	100 (84)	100 (74)	100 (70)	100 (69)	100 (71)	84	3.8	5.4	47.8	4.6	2.8	3.4
Robust	109	92	95	95	93	96	92	3.4	4.3	48.5	3.4	2.1	3.3

1995-99 Data, ( ) = Station Years
* Bushel / Acre

Quality Summary

Line or Variety	(8) % Plump	(8) Malt Protein	Extract (4) F. Grind	(8) C. Grind	(4) F-C Diff	(4) Wort Visc	(8) S/T	(8) Sol Protein	(8) DP	(8) AA	Wort (4) Color	(8) Turb
6B95-2482	71.1	13.5	77.4	76.6	2.77	1.53	42.6	5.72	193	67.8	2.3	12.4
Morex	62.9	14.1	76.6	76.7	1.40	1.47	44.1	6.23	174	73.3	2.5	8.7
Stander	72.6	13.3	77.4	77.5	1.58	1.49	48.3	6.45	164	70.6	2.9	14.4
Robust	71.8	14.5	77.1	74.9	3.59	1.51	40.3	5.86	174	45.4	2.2	5.9

1995-98 Data, ( ) = Station Years



8

Agronomic and quality abbreviation defined.

Yield = The yield as a percent of B1202
Ht CM = The height of the plant in centimeters
Ldg 1-9 = The percent of lodging, 1= 0%- 10% and 9= 90% - 100% lodging
Mat = Is a rating of maturity. 1= very early and 9 = very late
Test Wt. = Test Weight which measures bushel weight
Scald = The percent of the plant infected with scald.
Net Blotch = the percent of the plant infected with net blotch
% Plump = The percent of plump kernels
Malt Protein = The protein measurement of the malt
F. Grind = The measurement of extract from barley ground to a fine particle size.
C. Grind = The measurement of extract from barley ground to a course particle size.
F-C Diff = The difference between fine and the course grind.
Wort Visc. = The viscosity of the wort.
S/T = The soluble protein divided by the total protein.
Sol Protein = Soluble protein.
DP = Diastatic Power (enzyme measurement).
AA = Alpha Amylase (enzyme measurement).
Color = Measures clarity
Turb = Turbidity or folowability.

REPRODUCE LOCALLY. *Include form number and date on all reproductions.* FORM APPROVED - OMB NO. 0581-0055 EXPIRES: 12-31-96

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)
BUSCH AGRICULTURAL RESOURCES, INC.

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER
6B95-2482

3. VARIETY NAME
Tradition

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*
3515 EAST COUNTY ROAD 52
FT. COLLINS, CO 80524 USA

5. TELEPHONE *(include area code)*
(970) 221-5622

6. FAX *(include area code)*
(970) 472-2334

7. PVPO NUMBER
200000107

8. Does the applicant own all rights to the variety? *Mark an "X" in appropriate block.* If no, please explain. [X] YES [ ] NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company? [X] YES [ ] NO
If no, give name of country _____

10. Is the applicant the original breeder? If no, please answer the following: [X] YES [ ] NO

a. If original rights to variety were owned by individual(s):
Is (are) the original breeder(s) a U.S. national(s)? If no, give name of country _____

b. If original rights to variety were owned by a company: [ ] YES [ ] NO
Is the original breeder(s) U.S. based company? If no, give name of country _____

11. Additional explantion on ownership *(If needed, use reverse for extra space):*

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.

2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.

3. If the applicant is an owner who is not the original breeder, both the original breeder and the applicant must meet one of the above criteria.

The original breeder may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

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EXHIBIT E.

STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP

Busch Agricultural Resources, Incorporated is applicant for protection in this case being:

a.) The incorporated business registered in Delaware for and within regular employees have bred ~~6B95-2482.~~ 'Tradition'

MAH
7/22/04

b.) The proprietary owner and intending commercial seller of 6B95-2482.