No. 7200132

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

J. Joordens' Zaadhandel B.V.

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, MULTIPLYING 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. THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CHEWINGS FESCUE

'Jade'

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* March *in the year of our Lord one thousand nine hundred and* seventy-nine

PLANT VARIETY PROTECTION OFFICE · U.S. DEPARTMENT OF AGRICULTURE

Attest:

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Secretary of Agriculture

FORM GR-470
(2-12-71)

UNITED STATES DEPARTMENT OF AGRICULTURE
CONSUMER AND 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 JADE (FRHOR/BR 71)	2. KIND NAME Chewings Fescue 10/18/78	FOR OFFICIAL USE ONLY PVPO NUMBER 72132	
3. GENUS AND SPECIES NAME Chewings fescue Festuca rubra ssp commutata	4. FAMILY NAME (*Botanical*) GRAMINEAE	FILING DATE 4/20/72	TIME 10 A.M. P.M.
	5. DATE OF DETERMINATION MAY 16, 1967 11/27/78	FEE RECEIVED $ 750.00	CHARGES —
6. NAME OF APPLICANT(S) J.Joordens Zaadhandel N.V.	7. ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*) 2e Graaf van Loonstraat 40, VENLO/BLERICK. The Netherlands		8. TELEPHONE AREA CODE AND NUMBER
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (*Corporation, partnership, association, etc.*) incorporation (N.V.) Inc.	10. STATE OF INCORPORATION closed famely incorporation		11. DATE OF INCORPORATION 3 Oct. 1931

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

Seed (West) Ltd.
The Landis Company Inc. P.O. Box 385 - WAUPACA. Wisconsin 54981 U.S.A.
17930 Lake Haven Drive. LAKE Oswego, Oregon 97034
10/25/78

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- [X] 12A. Exhibit A, Origin and Breeding History of the Variety (*See Section 52, P.L. 91-577*)
- [X] 12B. Exhibit B, Botanical Description of the Variety
- [✓] 12C. Exhibit C, Objective Description of the Variety
- [X] 12D. Exhibit D, Data Indicative of Novelty
- [X] 12E. Exhibit E, Statement of the Basis of Applicant's Ownership

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. (*See Section 52, P.L. 91-577*).

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), P.L. 91-577*) (*If "Yes," answer 14B and 14C below.*) [X] YES [ ] NO

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

14C. If "Yes," to 14B, how many generations of production beyond breeder seed? 3

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

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 (P.L. 91-577).

J. Joordens Zaadhandel N.V.
Venlo - Bierick

(DATE) April 20th 1972 — (SIGNATURE OF APPLICANT)

(DATE) — (SIGNATURE OF APPLICANT)

FORM GR-470 (REVERSE)

U. S. DEPARTMENT
C&MS GRAIN DIVISION
RECEIVED
APR 28 1972

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and $50.00 fee to U.S. Dept. of Agriculture, Consumer and Marketing Service, Grain Division, Hyattsville, Maryland 20782. Retain one copy for your files. All items on the face of the form are self-explanatory unles noted below.

ITEM

5 Insert the date the applicant determined that he had a new variety.

12a 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.

12b 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.

12c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.

12d Provide complete data indicative of novelty. Seed and plant specimens may be submitted and seeds submitted may be sterile. Where possible, include photographs of plant comparisons, chemical tests, etc.

12e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

J. JOORDENS' ZAADHANDEL N.V.

2e GRAAF VAN LOONSTRAAT 40
TELEFOON 04700 - 21545 (2 LIJNEN)
POSTREKENING 1 03 18 19

VENLO-BLERICK

Telegram-adres: JOORDENS VENLO
Bankiers: BANK VAN HAFFMANS & STEEGH N.V., VENLO
AMSTERDAM - ROTTERDAM BANK N.V., VENLO

Erkend Selectiebedrijf voor Landbouwzaden

VENLO-BLERICK,
HOLLAND

JADE (FRHOR/BR 71)

Exhibit A: Origin and breeding history of the variety.

The mother plants of this variety are collected out of an old pasture in Horritine near Bastogne, Belgium at an altitude of 1500 feet.

Exhibit B: Botanical description of the variety.

JADE is a late heading variety (3 days later than MENUET) with a medium to light green colour and very fine leaves.

Exhibit C:

JADE forms a dense turf with a very fine texture and a bright light green colour. The winter colour is not to good but with the first growth in the spring the colour and general apearance becomes very f~~XXX~~.good. Resistance to deseases is good. Seed yield is medium to good.

EXhibit D: Date indicative of novelty.

The variety JADE is only in trial in The Netherlands since 1971 and up to now no commercial seed is sold.

Alle kopen en verkopen geschieden, wanneer niet anders overeengekomen, op Algemene Handelsvoorwaarden (A.H.V.Z.) - Leveringen af hier. Goederen reizen voor rekening en risico van de koper. - Alle betalingen dienen te geschieden ten onzen kantore binnen 60 dagen te rekenen vanaf factuurdatum. - Bij contante betaling 1% korting. - Bij niet-tijdige betaling is verschuldigd rente ad. 6 procent 's jaars, te rekenen vanaf de vervaldatum. - Alle kosten van inning, zowel gerechtelijk als buitengerechtelijk komen ten laste van debiteur.

J. JOORDENS' ZAADHANDEL B.V.
VENLO-BLERICK

KAZERNESTRAAT 6
TELEFOON 077-21545*

POSTREKENING 1031819
K.V.K. VENLO NR 1009
TELEX NUMMER 58412

TELEGRAM ADRES JOORDENS VENLO
AMROBANK N.V. VENLO NR 48.40.40.480
Erkend kweekbedrijf voor Landbouwzaden

VENLO-BLERICK 16-4-1976
HOLLAND

Statement of homogenity JADE.

JADE	Jamestown
date of ear maturity days after 1 april.	
41 sigma 6,3	39 sigma 8,2
flafleave width	
2,4 mm sigma 0,5	2,7 sigma 0,5
flagleave length	
12,8 cm sigma 3,3	11,4 sigma 2,8
plant hight	
88 cm sigma 8,2	91 cm sigma 9,7
ear length	
13,2 cm sigma 2,5	12,1 cm sigma 2,9
growth habit(9 = erect, and 0 = flat)	
4,8	3,3

Alle kopen en verkopen geschieden, wanneer niet anders overeengekomen op Algemene Handelsvoorwaarden (A.H.V.Z.)-Leveringen af hier. Goederen reizen voor rekening en risico van de koper. - Alle betalingen dienen te geschieden binnen 30 dagen te rekenen vanaf factuurdatum. - Bij contante betaling 1 % korting. - Bij niet tijdige betaling is rente verschuldigd te rekenen vanaf de vervaldatum. - Alle kosten van inning zowel gerechtelijk als buitengerechtelijk komen ten laste van koper. De kredietbeperkingstoeslag mag bij betaling binnen een maand in mindering worden gebracht.

J. JOORDENS' ZAADHANDEL B.V.

KAZERNESTRAAT 6
TELEFOON 077-21545*

VENLO-BLERICK

POSTREKENING 1031619
K.V.K. VENLO NR 1006
TELEX NUMMER 58412

TELEGRAM ADRES JOORDENS VENLO
AMROBANK N.V. VENLO NR 48.40.40.480
Erkend kweekbedrijf voor Landbouwzaden

VENLO-BLERICK 16-4-1976
HOLLAND

Statement of stabilety.

The variety JADE is grown in Holland during 2 years.
All control-samples were found within the limit, regarding:

- date of ear emergency.
- plant height.
- ear length.
- growth habit.
- broadness of leaves.

4

Alle kopen en verkopen geschieden, wanneer niet anders overeengekomen op Algemene Handelsvoorwaarden (A.H.V.Z.)-Leveringen af hier. Goederen reizen voor rekening en risico van de koper. - Alle betalingen dienen te geschieden binnen 30 dagen te rekenen vanaf factuurdatum. - Bij contante betaling 1 % korting. - Bij niet tijdige betaling is rente verschuldigd te rekenen vanaf de vervaldatum. - Alle kosten van inning zowel gerechtelijk als buitengerechtelijk komen ten laste van koper. De kredietbeperkingstoeslag mag bij betaling binnen een maand in mindering worden gebracht.

ORM GR-470-37
(3-76)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

OBJECTIVE DESCRIPTION OF VARIETY
FESCUE
(Festuca spp.)

NAME OF APPLICANT(S): J.JOORDENS'ZAADHANDEL B.V. Venlo-Blerick.

VARIETY NAME OR TEMPORARY DESIGNATION: JADE

ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code): Kazernestraat 6 Venlo-Blerick. The Netherlands.

FOR OFFICIAL USE ONLY
PVPO NUMBER: 72132

Place the appropriate number that describes the varietal character of this variety 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. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Ranges may be given also. Measured data should be for SPACED PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors; designate system used: _____. Describe location of test area _____.
All questions need not be answered, however, completeness should be striven for in order to establish the most adequate Variety Identification.

1. SPECIES: (With comparison varieties for use below - use varieties within species of application variety)

3

1 = F. ARUNDINACEA (TALL) 11 = ALTA 12 = FAWN 13 = GOAR 14 = KENTUCKY 31
2 = F. PRATENSIS (MEADOW) 21 = ENSIGN 22 = TRADER
3 = F. RUBRA SSP. COMMUTATA (CHEWINGS) 31 = CASCADE 32 = HIGHLIGHT 33 = JAMESTOWN
4 = F. RUBRA SSP. RUBRA (RED) 41 = BOREAL 42 = PENNLAWN 43 = DAWSON
5 = F. OVINA VAR. OVINA (SHEEP) ~~61 = DURAR 62 = BILJART (C-26)~~ 63 = SCALDIS
6 = F. LONGIFOLIA (HARD) 61 = DURAR 62 = BILJART (C-26) 63 = SCALDIS
7 = OTHER (SPECIFY) F. _____

2. CYTOLOGY

42 2n CHROMOSOME NUMBER

3. ADAPTATION: (0 = Not Tested; 1 = Not Adapted; 2 = Adapted) norther part of US.

NORTHEAST SOUTHEAST NORTH CENTRAL PACIFIC N.W. OTHER (SPECIFY) _____

4. MATURITY: (50% Headed) Give Test Area _____

DAYS EARLIER THAN . . . . . .
MATURITY SAME AS . . . . . .
~~0 4~~ 0 2 DAYS LATER THAN 3 3
COMPARISON VARIETY

Letter 2/16/78 99 [illegible]

5. PLANT HEIGHT: (At maturity to top of panicle)

8 8 0 mm HEIGHT
3 0 mm SHORTER THAN 3 3
HEIGHT SAME AS . . . . . .
mm TALLER THAN . . . . . .
COMPARISON VARIETY

6. GROWTH HABIT (Mature)

2 1 = ERECT (KENTUCKY 31) 2 = SEMI-ERECT (HIGHLIGHT) 3 = PROSTRATE

7. RHIZOMES

mm LENGTH mm WIDTH

0 0 = ABSENT 1 = WEAKLY CREEPING (DAWSON) 2 = STRONGLY CREEPING (BOREAL) 3 = OTHER _____ 5

8. LEAF BLADE:

2 COLOR: 1 = LIGHT GREEN (GOLFROOD) 2 = MODERATELY LIGHT GREEN (HIGHLIGHT) 3 = MEDIUM GREEN (JAMESTOWN, KENTUCKY 31) 4 = DARK GREEN (CASCADE) 5 = BLUEGREEN 6 = GRAYGREEN 7 = OTHER (SPECIFY) _____

 PV 72132 JADE

8. LEAF BLADE:

[ ] ANTHOCYANIN: 0 = ABSENT 1 = PRESENT [ ] HAIRS (BASAL): 0 = ABSENT 1 = PRESENT [1] MARGINS: 1 = SMOOTH 2 = SEMI-ROUGH 3 = ROUGH

[ ][ ][ ] mm LENGTH (FIRST LEAF BELOW FLAG LEAF) [ ][ ] mm WIDTH

[ ][ ] mm SHORTER THAN . . . . [ ][ ] [ ][ ] mm NARROWER THAN [ ][ ]

LENGTH SAME AS . . . . . [ ][ ] COMPARISON VARIETY WIDTH SAME AS . . [ ][ ] COMPARISON VARIETY

[ ][ ] mm LONGER THAN . . . . [ ][ ] [ ][ ] mm WIDER THAN . . [ ][ ]

9. LEAF SHEATH (Plant Base):

[2] COLOR: 1 = WHITE (HIGHLIGHT) 2 = RED [ ] AURICLE HAIRINESS: 0 = ABSENT 1 = PRESENT

10. PANICLE (Mature plant)

[ ][ ][ ] NUMBER OF PANICLES PER PLANT (FIRST YEAR OF PRODUCTION - FALL OR SPRING PLANTING SPECIFY _____

[1][3][2] mm LENGTH [ ][ ][ ] GRAMS OF SEED PER PANICLE

[ ][ ] mm SHORTER THAN . . . [ ][ ] [ ][ ] GRAMS LESS SEED THAN [ ][ ]

LENGTH SAME AS . . . [ ][ ] COMPARISON VARIETY WEIGHT SAME AS . . [ ][ ] COMPARISON VARIETY

[1][1] mm LONGER THAN . . . [3][3] [ ][ ] GRAMS MORE SEED THAN [ ][ ]

[ ] SHAPE: 1 = NARROW-TAPERING 2 = EGG SHAPE 3 = OBLONG 4 = OTHER (SPECIFY) _____

[ ] TYPE: 1 = OPEN 2 = INTERMEDIATE 3 = COMPACT

[ ] HABIT: 1 = ERECT 2 = NODDING

[ ] BRANCHES: 1 = SMOOTH 2 = ROUGH

[ ] COLOR (At 50% flowering): 1 = YELLOWISH GREEN 2 = GREEN 3 = BLUISH GREEN 4 = PURPLISH 5 = REDDISH 6 = OTHER (SPECIFY) _____

11. PALEA:

[ ] HAIRS (ON KEELS): 0 = ABSENT 1 = SHORT (OLDS) 2 = LONG (RAINIER)

12. LEMMA:

[ ] HAIRS: 0 = ABSENT 1 = PRESENT [ ] TEXTURE: 1 = SMOOTH 2 = ROUGH

[ ][ ] mm LEMMA LENGTH [ ][ ] mm LEMMA WIDTH

[ ][ ] mm SHORTER THAN . . . . [ ][ ] [ ][ ] mm NARROWER THAN [ ][ ]

LENTGH SAME AS . . . . [ ][ ] COMPARISON VARIETY WIDTH SAME AS . . . [ ][ ] COMPARISON VARIETY

[ ][ ] mm LONGER THAN . . . . [ ][ ] [ ][ ] mm WIDER THAN. . . [ ][ ]

[1] AWNS: 0 = ABSENT 1 = PRESENT

[ ][ ] mm AWN LENGTH

PV 72132 JADE

12. LEMMA:

	mm SHORTER THAN	COMPARISON VARIETY
	LENGTH SAME AS	COMPARISON VARIETY
	mm LONGER THAN	COMPARISON VARIETY

13. SEED: letter 2/16/78 gg/k

5 8 6	mm LENGTH	8 1	mm WIDTH
	mm SHORTER THAN		mm. NARROWER THAN
	LENGTH SAME AS (COMPARISON VARIETY)		WIDTH SAME AS. (COMPARISON VARIETY)
	mm LONGER THAN		mm WIDER THAN
0 9 2 0	GRAMS PER 1000 SEED		
	GRAMS LESS THAN		
	WEIGHT SAME AS (COMPARISON VARIETY)		
	GRAMS MORE THAN		

14. DISEASE, INSECT, AND NEMATODE (0 = Not Tested, 1 = Susceptible, 2 = Resistant):

2	HELMINTHOSPORIUM VAGANS	0	H. SOROKINIANUM	0	H. DICTYOIDES
0	RHIZOCTONIA SOLANI	2	ERYSIPHE GRAMINIS	0	USTILAGO STRIIFORMIS
0	FUSARIUM NIVALE	0	F. ROSEUM	0	TYPHULA IOTANA
2	PUCCINIA GRAMINIS	0	P. STRIIFORMIS	0	P. POAE-NEMORALIS
0	P. CORONATA	0	PYTHIUM ULTIMUM	2	CORTICIUM FUSCIFORME
0	SCLEROTINIA HOMEOCARPA	0	INSECT	0	NEMATODE
	OTHER		OTHER		OTHER

15. GIVE VARIETY OR VARIETIES THAT MOST CLOSELY RESEMBLE THE APPLICATION VARIETY. For the following characteristics indicate degree of resemblance (D.R.) by placing in the column marked, D.R., one of the following numbers:

1 = Application variety is less than comparison variety 2 = Same as

3 = More than, better, greater, darker, more disease resistant, etc.

Write first line

CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
GERMINATION RATE*			SEED YIELD*		
RHIZOME LENGTH			GROWTH HABIT		
LEAF WIDTH			LEAF COLOR		
PANICLE COLOR			PANICLE SHAPE		
WINTER COLOR	Menuet	1	COLD INJURY	Menuet	2
SHADE TOLERANCE			HEAT		
DROUGHT			DISEASE**		
			red thread	Menuet	3

* Good seed used in planting under good conditions for germination and yield evaluation.

**Specify each disease evaluated.

J. JOORDENS' ZAADHANDEL B.V.

Postbus 7823 **5995 ZG Kessel LB**

AMROBANK NV VENLO
NUMMER 48.40.40.480
POSTREKENING 1031819
K.V.K. VENLO NR 1006
TELEX NUMMER 58412
TELEFOON 04762-1888

pj.

KESSEL (Holland),
OYEN 3A

NOVELTY STATMENT FOR JADE.

The variety JADE is a rather late heading variety without rhizomes with on the base red colored leafheaths.

The variety JADE most closely resembles the variety AGRAM.

The variety JADE differs from the variety AGRAM by a later headingdate(AGRAM 40, JADE 43).
By a larger flagleafwidth(JADE 2.4 and AGRAM 2.2 mm.)
By a longer flagleaflength(JADE 12.0 mm. AGRAM 9.2)
By a lighter leafcolor (JADE 3.9 AGRAM 4.9)
By a growthhabit (JADE 4.5 AGRAM 3.7)

Color.1 = light green,5 = dark green.
Growthhabit.9.0 =erect,0 = flat.

Alle kopen en verkopen geschieden, wanneer niet anders overeengekomen op Algemene Handelsvoorwaarden (A.H.V.Z.)-Leveringen af hier. Goederen reizen voor rekening en risico van de koper. - Alle betalingen dienen te geschieden binnen 30 dagen te rekenen vanaf factuurdatum. - Bij niet tijdige betaling is 1 % rente per maand verschuldigd te rekenen vanaf de vervaldatum. - Alle kosten van inning zowel gerechtelijk als buitengerechtelijk komen ten laste van koper.
De kredietbeperkingstoeslag mag bij betaling binnen een maand in mindering worden gebracht.

J. JOORDENS' ZAADHANDEL B.V.

KAZERNESTRAAT 6
TELEFOON 077-21545*

VENLO-BLERICK

POSTREKENING 1031619
K.V.K. VENLO NR 1006
TELEX NUMMER 58412

TELEGRAM ADRES JOORDENS VENLO
AMROBANK N.V. VENLO NR 48.40.40.480
Erkend kweekbedrijf voor Landbouwzaden

VENLO-BLERICK 12-10-1977
HOLLAND

Statement of Novelty Exhibit D. JADE.

JADE is a rather late heading variety without rhizomes with a closed leafblade and with on the base red colored leafsheaths.

The variety shows resemblence in these characteristics with Atlanta, Barfalla, Hallifax, Waldorf and Agram: it differs from Agram, Atlanta and Waldorf by a lighter colored leaf (Jade 3,9, Agram 4,9, Atlanta 5,0, Waldorf 4,4.) and a longer flag leaf (Jade 12,0, Agram 9,2, Waldorf 10,8.) and from Barfalla by a more steeper growth habit (Jade 4,5, Barfalla 4,1.) and a longer flag leaf (Jade 12,0, Barfalla 9,7.) and from Hallifax by a more steeper growth habit (Jade 4,5, Hallifax 3,8.) and a more smaller flag leaf (Jade 2,4, Hallifax 2,8.)

The variety shows resemblence with Menuet and Scarlet, but it differs from it besides a later heading date (Jade 43, Menuet 39.) of Menuet by a more smaller sensibility for mildew and from Scarlet by a more lighter leaf color (Jade 3,9, Scarlet 4,7.)

The variety shows also resemblence with Frida and Belmonte, but differs from it by a earlier heading date (Jade 43, Frida 44, Belmonte 44.) and a longer stengel length (flag leaf length. (Jade 12,0, Frida 7,8, Belmonte 11,7.)

Alle kopen en verkopen geschieden, wanneer niet anders overeengekomen op Algemene Handelsvoorwaarden (A.H.V.Z.)-Leveringen af hier. Goederen reizen voor rekening en risico van de koper. - Alle betalingen dienen te geschieden binnen 30 dagen te rekenen vanaf factuurdatum. - Bij contante betaling 1 % korting. - Bij niet tijdige betaling is rente verschuldigd te rekenen vanaf de vervaldatum. - Alle kosten van inning zowel gerechtelijk als buitengerechtelijk komen ten laste van koper. De kredietbeperkingstoeslag mag bij betaling binnen een maand in mindering worden gebracht.

THE COLOR OF THE VARIETY JADE IN RELATION TO OTHER VARIETIES.

Variety.

JADE	4,2.
MENUET	4,1.
HALIFAX	4,4.
WALDORF	4,8.
KOKET	4,5.
ATLANTA	5,3.

color schedule.

1. light. 3. rather light. 5. middle. 7. rather dark. 9. dark.

This information is given by the R.I.V.R.O. Wageningen. The Netherlands.

Subject Fescue Application nos. 7146 MENUET and 72132 JADE.

Agram. leafcolor 4,9
flagleaf length 9,2mm

Scarlet. leafcolor 4,7

Frida. heading date 44
blade length 7,8

Belmonte. heading date 44
blade length 11,7

Tenora. leafcolor 5,0
length top culm-internode 34

Koket. heading date 26

Barfalla. heading date 41
leafcolor 3,9

Waldorf. heading date 40
leaf color 4,4

Atlanta. heading date 42
leaf color 5,0

Hallifax. heading date 43
growth habit 3,8 (9 = errect, 0 = flat) HF 19 (2248) is the code for the variety Halifax.

Flevo. leave size flag leaf length 11,5
flag leaf width 2,8.

Subject: Fescue Application Nis 7146. Menuet and 72132 Jade.

Data for novelty claims for the variety MENUET.

Flagleaf length	12,5 cm.	sigma	3,3
Growth habit	4,2	sigma	3,3
	(9 = erect, 0 = flat)		
Heading date (days after 1 april)	39.		

Data for novelty claim for the variety Jade.

Flag leaf length	12,8	sigma	3,3
Growth habit	4,8	sigma	3,3
	(9 = erect, 0 = flat)		
Heading date (Days after 1 april)	43		

heading dates

27

Veldbeemdgras (vervolg)	86.056	Campina	13/5
	031	Birka	13/5
	008	Baron	13/5
	024	Merion	13/5
	081	Enwarto	(13/5)
	060	Entopper	15/5
	076	Mosa	15/5
	063	Pion	18/5
	047	Enmundi	19/5
Roodzwenkgras gewoon	74.034	Lifalla	24/4
	037	Wintergreen	24/4
	676	Highlight	25/4
	670	Encota	25/4
	004	Koket	26/4
	050	Jamestown	(8/5)
	039	Scarlet	9/5
	054	Adonis	9/5
	025	Menuet	9/5
	011	Waldorf	10/5
	042	Veni	10/5
	045	Agram	12/5
	002	Barfalla	11/5
	012	Atlanta	12/5
	031	Halifax	13/5
	048	Jade	13/5
	044	Frida	(14/5)
Roodzwenkgras fijne uitlopers	74.686	Case	1/5
	688	Dawson	7/5
	053	Sonnet	(15/5)
Roodzwenkgras forse uitlopers	74.009	Rapid	1/5
	027	Engina	1/5
	018	Enzet	2/5
	001	Patio	7/5
	652	Gracia	8/5
	019	Envira	8/5
	654	Novorubra	8/5

RIVRO — Roodzwenkgras. Indeling van het sortiment — november 197

chromosomen-aantal		CHEWINGS (fallax) = 42		CREEPING (creeping) = 42		2n = 56
kleur van de bladschede	vroegheid van doorschieten	zonder ondergrondse uitlopers		korte ondergrondse uitlopers		lange ondergrondse uitlopers
		blad gesloten	blad open	blad gesloten	blad open	blad open
not red niet rood	early vroeg	Encota Highlight Wintergreen Lifalla				
rood red	vroeg early	Koket				Rapid Enzet Engina
	rather early tamelijk vroeg	Menuet Scarlet Adonis	Veni Jamestown		Oase Dawson	Novorubra Agio Envira
	rather late tamelijk laat	Barfalla Waldorf Atlanta Halifax Agram Jade			Bonnet	Gracia Bargena Patio Ruby Ensylva Moncorde
	late laat	Frida				Roda

kleur van de bladschede= colour of the leafbase.
blad gesloten= leaf closed
blad open= leaf open.

J. JOORDENS' ZAADHANDEL N.V.

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TELEFOON 04700 - 21545 (2 LIJNEN)
POSTREKENING 1 03 18 19

VENLO-BLERICK

Telegram-adres: JOORDENS VENLO
Bankiers: BANK VAN HAFFMANS & STEEGH N.V., VENLO
AMSTERDAM - ROTTERDAM BANK N.V., VENLO

Erkend Selectiebedrijf voor Landbouwzaden

VENLO-BLERICK,
HOLLAND

EXHIBIT E: Statement of the Basis of applicant's Ownership.

Hereby we declare that the variety of Chewings fescue "JADE" is created on our own breeding station by Ingenieur Marc Joordens and is owned totally and allone by our company.

J. JOORDENS' ZAADHANDEL N.V.
2e Graaf van Loonstraat 40
Venlo- Blerick, Holland.

Alle kopen en verkopen geschieden, wanneer niet anders overeengekomen, op Algemene Handelsvoorwaarden (A.H.V.Z.) - Leveringen af hier. Goederen reizen voor rekening en risico van de koper. - Alle betalingen dienen te geschieden ten onzen kantore binnen 60 dagen te rekenen vanaf factuurdatum. - Bij contante betaling 1% korting. - Bij niet-tijdige betaling is verschuldigd rente ad. 6 procent 's jaars, te rekenen vanaf de vervaldatum. - Alle kosten van inning, zowel gerechtelijk als buitengerechtelijk komen ten laste van debiteur.