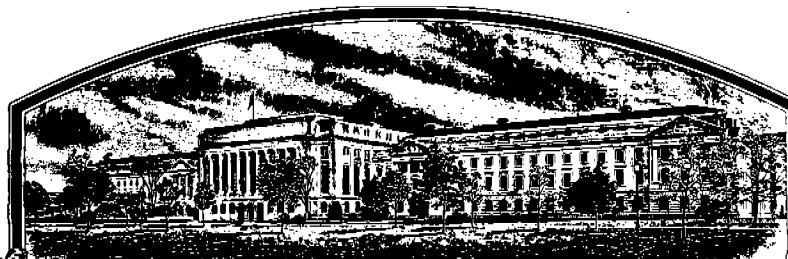


No.

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 HERETO 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. THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SHOWN ON 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

Attest:

James K. Keay
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Bob Dole
Secretary of Agriculture

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1. VARIETY NAME OR TEMPORARY DESIGNATION JADE (FRHOR/BR 71)	2. KIND NAME <i>Chewings fescue</i> <i>Festuca rubra ssp. commutata</i>	FOR OFFICIAL USE ONLY		
3. GENUS AND SPECIES NAME	4. FAMILY NAME (Botanical) <i>GRAMINEAE</i>	PVPO NUMBER 72132	FILING DATE 4/12/78	TIME A.M. P.M.
6. NAME OF APPLICANT(S) J.Joordens Zaadhanel N.V.	5. DATE OF DETERMINATION MAY 16, 1967	FEE RECEIVED \$ 750.00	CHARGES	
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: <i>Seed (West) Ltd.</i> <i>The Landis Company Inc. P.O. Box 385 - WAUPACA, Wisconsin 54981 U.S.A.</i> <i>17930 Lake Haven Drive. LAKE OSWEGO, Oregon 97034</i> <i>224 10/25/78</i>				

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- 12A. Exhibit A, Origin and Breeding History of the Variety (See Section 52, P.L. 91-577)
- 12B. Exhibit B, Botanical Description of the Variety
- 12C. Exhibit C, Objective Description of the Variety
- 12D. Exhibit D, Data Indicative of Novelty
- 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.) 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? **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 Zaadhanel N.V.

Venlo-Blerick

(DATE)

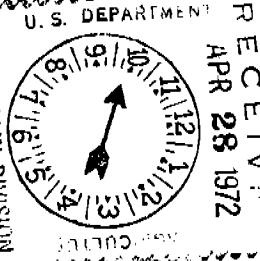
April 20th 1972

(DATE)

(SIGNATURE OF APPLICANT)

John J. Joordens 1

(SIGNATURE OF APPLICANT)



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 unless 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 1031619

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 appearance becomes very ~~XXXX~~ 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.



J. JOORDENS' ZAADHANDEL B.V.

KAZERNESTRAAT 6
TELEFOON 077-21545*

VENLO-BLERICK

POSTREKENING 1031819
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 homogeneity 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

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 bultengerechtelijk komen ten laste van koper. De kredietbeperkingstoelag mag bij betaling binnen een maand in mindering worden gebracht.



J. JOORDENS' ZAADHANDEL B.V.

KAZERNESTRAAT 6
TELEFOON 077-21545*

VENLO-BLERICK

POSTREKENING 1031818
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 stability.

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 Handeloverwaarden (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 bultengerechtelijk komen ten laste van koper. De kredietbeperkingstoelag mag bij betaling binnen een maand in mindering worden gebracht.

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 = 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) 51 = DURAR 52 = BILJART (C-26) 53 = 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 U.S.

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

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

<input type="checkbox"/> <input type="checkbox"/>	DAYS EARLIER THAN	<input type="checkbox"/> <input type="checkbox"/>	COMPARISON VARIETY
<input type="checkbox"/> <input type="checkbox"/>	MATURITY SAME AS	<input type="checkbox"/> <input type="checkbox"/>	
<input checked="" type="checkbox"/> 0 1 <i>After 2/16/78 99%</i>	DAYS LATER THAN	<input type="checkbox"/> <input type="checkbox"/> 3 3	

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

<input type="checkbox"/> 8 8 0	mm HEIGHT	<input type="checkbox"/> <input type="checkbox"/>	COMPARISON VARIETY
<input type="checkbox"/> 3 0	mm SHORTER THAN	<input type="checkbox"/> <input type="checkbox"/> 3 3	
<input type="checkbox"/> <input type="checkbox"/>	HEIGHT SAME AS	<input type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> <input type="checkbox"/>	mm TALLER THAN	<input type="checkbox"/> <input type="checkbox"/>	

6. GROWTH HABIT (Mature)

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

7. RHIZOMES

<input type="checkbox"/> <input type="checkbox"/>	mm LENGTH	<input type="checkbox"/> <input type="checkbox"/>	mm WIDTH
<input type="checkbox"/> 0	0 = ABSENT 1 = WEAKLY CREEPING (DAWSON)	2 = STRONGLY CREEPING (BOREAL)	3 = OTHER

8. LEAF BLADE:
 COLOR: 1 = LIGHT GREEN (GOLFROODI) 2 = MODERATELY LIGHT GREEN (HIGHLIGHT) 3 = MEDIUM GREEN (JAMESTOWN, KENTUCKY 31)
 4 = DARK GREEN (CASCADE) 5 = BLUE GREEN 6 = GRAYGREEN 7 = OTHER (SPECIFY) _____

8. LEAF BLADE:

<input type="checkbox"/>	ANTHOCYANIN: 0 = ABSENT 1 = PRESENT	<input type="checkbox"/>	HAIRS (BASAL): 0 = ABSENT 1 = PRESENT	<input checked="" type="checkbox"/>	1 = SMOOTH MARGINS: 2 = SEMI-ROUGH 3 = ROUGH
<input type="checkbox"/> mm LENGTH (FIRST LEAF BELOW FLAG LEAF)		<input type="checkbox"/> mm WIDTH			
<input type="checkbox"/> mm SHORTER THAN . . .		<input type="checkbox"/> mm NARROWER THAN . . .			
LENGTH SAME AS . . .		WIDTH SAME AS . . .		COMPARISON VARIETY	
<input type="checkbox"/> mm LONGER THAN . . .		<input type="checkbox"/> mm WIDER THAN . . .		COMPARISON VARIETY	

9. LEAF SHEATH (Plant Base):

<input checked="" type="checkbox"/> COLOR: 1 = WHITE (HIGHLIGHT) 2 = RED	<input type="checkbox"/> AURICLE HAIRNESS: 0 = ABSENT 1 = PRESENT
--	---

10. PANICLE (Mature plant)

<input type="checkbox"/> mm LENGTH	NUMBER OF PANICLES PER PLANT (FIRST YEAR OF PRODUCTION - FALL OR SPRING PLANTING SPECIFY _____)			
<input type="checkbox"/> mm SHORTER THAN . . .	<input type="checkbox"/> mm LENGTH		<input type="checkbox"/> GRAMS OF SEED PER PANICLE	
LENGTH SAME AS . . .	<input type="checkbox"/> mm LENGTH		<input type="checkbox"/> GRAMS LESS SEED THAN . . .	
<input type="checkbox"/> mm LONGER THAN . . .	<input type="checkbox"/> mm LENGTH		<input type="checkbox"/> WEIGHT SAME AS . . .	
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:

<input type="checkbox"/> HAIRS (ON KEELS): 0 = ABSENT 1 = SHORT (OLDS) 2 = LONG (RAINIER)

12. LEMMA:

<input type="checkbox"/> HAIRS: 0 = ABSENT 1 = PRESENT	<input type="checkbox"/> TEXTURE: 1 = SMOOTH 2 = ROUGH
<input type="checkbox"/> mm LEMMA LENGTH	<input type="checkbox"/> mm LEMMA WIDTH
<input type="checkbox"/> mm SHORTER THAN . . .	<input type="checkbox"/> mm NARROWER THAN . . .
LENGTH SAME AS . . .	WIDTH SAME AS . . .
<input type="checkbox"/> mm LONGER THAN . . .	<input type="checkbox"/> mm WIDER THAN . . .
<input type="checkbox"/> AWNS: 0 = ABSENT 1 = PRESENT	
<input type="checkbox"/> mm AWN LENGTH	

12. LEMMA:

<input type="checkbox"/>	mm SHORTER THAN . . .	<input type="checkbox"/>	COMPARISON VARIETY
<input type="checkbox"/>	LENGTH SAME AS . . .	<input type="checkbox"/>	
<input type="checkbox"/>	mm LONGER THAN . . .	<input type="checkbox"/>	

13. SEED: letter 2/16/78 JGIK

518 6	mm LENGTH	8 1	mm WIDTH
<input type="checkbox"/>	mm SHORTER THAN . . .	<input type="checkbox"/>	COMPARISON VARIETY
<input type="checkbox"/>	LENGTH SAME AS . . .	<input type="checkbox"/>	
<input type="checkbox"/>	mm LONGER THAN . . .	<input type="checkbox"/>	
<input type="checkbox"/>	mm NARROWER THAN . . .	<input type="checkbox"/>	COMPARISON VARIETY
<input type="checkbox"/>	WIDTH SAME AS . . .	<input type="checkbox"/>	
<input type="checkbox"/>	mm WIDER THAN . . .	<input type="checkbox"/>	
0 9 2 0	GRAMS PER 1000 SEED		
<input type="checkbox"/>	GRAMS LESS THAN . . .	<input type="checkbox"/>	COMPARISON VARIETY
<input type="checkbox"/>	WEIGHT SAME AS . . .	<input type="checkbox"/>	
<input type="checkbox"/>	GRAMS MORE THAN . . .	<input type="checkbox"/>	

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

<input type="checkbox"/> 2	<u>HELMINTHOSPORIUM VAGANS</u>	<input type="checkbox"/> 0	<u>H. SOROKINIANUM</u>	<input type="checkbox"/> 0	<u>H. DICTYOIDES</u>
<input type="checkbox"/> 0	<u>RHIZOCTONIA SOLANI</u>	<input type="checkbox"/> 2	<u>ERYSIPHE GRAMINIS</u>	<input type="checkbox"/> 0	<u>USTILAGO STRIIFORMIS</u>
<input type="checkbox"/> 0	<u>FUSARIUM NIVALE</u>	<input type="checkbox"/> 0	<u>F. ROSEUM</u>	<input type="checkbox"/> 0	<u>TYPHULA IOTANA</u>
<input type="checkbox"/> 2	<u>PUCCINIA GRAMINIS</u>	<input type="checkbox"/> 0	<u>P. STRIIFORMIS</u>	<input type="checkbox"/> 0	<u>P. POAE-NEMORALIS</u>
<input type="checkbox"/> 0	<u>P. CORONATA</u>	<input type="checkbox"/> 0	<u>PYTHIUM ULTIMUM</u>	<input type="checkbox"/> 2	<u>CORTICIUM FUSCIFORME</u>
<input type="checkbox"/> 0	<u>SCLEROTINIA HOMEOCARPA</u>	<input type="checkbox"/> 0	INSECT _____	<input type="checkbox"/> 0	NEMATODE _____
<input type="checkbox"/>	OTHER _____	<input type="checkbox"/>	OTHER _____	<input type="checkbox"/>	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.

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

p.j.

KESSEL (Holland),
OYEN 3A

NOVELTY STATEMENT 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.



J. JOORDENS' ZAADHANDEL B.V.

KAZERNESTRAAT 6
TELEFOON 077-21545*

VENLO-BLERICK

POSTREKENING 1031819
K.V.K. VENLO NR 1008
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 resemblance 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 Halifax by a more steeper growth habit (Jade 4,5, Halifax 3,8.) and a more smaller flag leaf (Jade 2,4, Halifax 2,8.)

The variety shows resemblance 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 resemblance 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.)

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 fence Application nos. 7146 MENUET and 72132 JADE.

Agra. leaf color 4,9
flagleaf length 9,6cm

Manado. 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

Halifax. heading date 43
growth habit 3,8 (9 = erect, 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

<u>Veldbeemdgras (vergelijk)</u>	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	Emmundin	19/5

<u>Roodzwenkgras (vergelijk)</u>	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
	051	Adonis	9/5
	025	Wenuet	9/5
	011	Waldorf	10/5
	042	Veni	10/5
	045	Agram	11/5
	002	Sarfalla	11/5
	012	Atlanta	12/5
	031	Halifax	13/5
	046	Jade	13/5
	044	Frida	(14/5)

Roodzwenkgras fijne uitlopers

74.686	Gase	1/5
688	Dawson	2/5
053	Sonnet	(15/5)

Roodzwenkgras forse uitlopers

74.009	Rapid	1/5
027	Engina	1/5
018	Fnzet	2/5
001	Patic	2/5
652	Gracia	2/5
019	Envira	2/5
654	Novorubra	2/5

		<i>fallax</i>		<i>creeping</i>		
chromosomen-aantal		CHEWINGS = 42		CREEPING		2n = 56
kleur van de bladschede van doorschieten	vroegeheid van doorschieten	zonder ondergrondse uitlopers		korte ondergrondse uitlopers		lange ondergrondse uitlopers
		blad gesloten	blad open	blad gesloten	blad open	blad open
not red niét rood	early vroeg	Encota Highlight Wintergreen Lifalla				
	vroeg early	Koket				Rapid Enset Erigina
	rather tamelijk vroeg early	Menuet Scarlet Adonis	Veni Jamestown		Oase Dawson	Novonbra Agio Envira
red rood	rather late tamelijk laat	Barfalla Waldorf Atlanta Halifax Agram Jade			Ronne	Gracia Bargena Patio Ruby Ensvyla Moncorde
	laat late	Frida				Roda

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



J. JOORDENS' ZAADHANDEL N.V.

VENLO-BLERICK

2e GRAAF VAN LOONSTRAAT 40
TELEFOON 04700 - 21545 (2 LIJNEN)
POSTREKENING 103 18 19

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.

15

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 ed. 6 procent 's jaars, te rekenen vanaf de vervaldatum. - Alle kosten van inning, zowel gerechtelijk als buitengerechtelijk komen ten laste van debiteur.