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Plant Breeders' Rights Registry

Plant Breeders' Rights Journal



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April 2026

PLANT BREEDERS' RIGHTS JOURNAL

An official journal
of

**Plant Breeders' Rights Registry
Ministry of National Food Security and Research
Government of Pakistan**

Plant Breeders' Rights Registry
Mauve Area, G-9/4, Islamabad, Pakistan
April, 2026

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CASES FOR OPPOSITION

1. Application No.: PBRR-OKRA-174/25

Name of the Applicant: Muhammad Siddique

Institute: Akora Seeds Company

Name of Breeder(s): Dr. Muhammad Sajjad, Muhammad Abbas,
Usman Ahmad Shah

Name of Co-breeder(s):

Application for: New Plant Variety

Denomination of Variety: Green Queen

Crop: Okra (*Abelmoschus esculentus* L.)

Type of Variety: OPV

Name of Initial Variety (in case of EDV): Not Applicable

Salient features:

CHARACTERISTICS	DESCRIPTION
Origin	Local
Maturity Duration	Short
Seedling Height (cm)	6 – 8
Seedling Color	Green
Growth Habit	Erect
Plant Height (cm)	90 – 100
Stem Color	Green
Stem Thickness	Thick
Stem Diameter (cm)	9.2
No of Nodes	Many (> 25)
Stem Pigmentation	Present
Branches Attitude	Erect
Branches Type	Normal
Degree of Branches	Strong
Leaf Color	Dark Green
Leaf Length / Width (Cm)	17.3 / 20

Leaf Shape	Deep Lobed
Petiole Length (Cm)	13
No. of Lobes	4
Depth of Lobes	Deep
Dentation of Margin	Weak
Leaf Hairiness	Absent
Leaf Blade Color B/w Veins	Green
Intensity of Color B/w Veins	Dark
Vein Color	Light Green
Days to 50% Flowering	38
Flower Size	Large
Petal Color	Yellow
Petal Base Color	Both the sides
No. of Petals	5
Pollen Color	Yellow
Stamen Density	High
Stigma Protrusion	Medium
Days to Fruiting	53
Fruiting Duration	Late
Fruit Color	Green
Fruit Shape	Straight and Pointed
Young Fruit Diameter at Mid L	Large
Mature Fruit Diameter at Mid L	4 – 6
Fruit Surface b/w Ridges	Flat
Fruit Constriction of Basal Part	Weak
Fruit Shape of Apex	Acute
Fruit Hairiness	Absent
Number of Locules	Five
Mature Fruit Length	Medium
Mature Fruit Diameter at Mid L	Medium
Fruit Size	Medium

Fruit Texture	Creased
Fruit Hairiness	Absent
Fruit Yield (Kg/ha)	25-26
Seed Color	Grey
Seed Size	Bold
Seed Shape	Round
Seed Surface	Rough
000, Seed Weight (g)	60-70
Flowering Response to Seasons	Stable
Drought Tolerance	Most Tolerant
Tolerance to Salinity	Most Tolerant
Tolerance to Acidic Soils	Most Tolerant
Cold Tolerance	Medium Tolerant
Heat Tolerance	Most Tolerant
Resistance to Insects/Pest	Moderate Tolerance to White Fly
Resistance To Diseases	Highly Tolerant to Yvmv Elcv
Distinguishing Characteristics	Short Plant Stature with Erect Fruiting Pattern • Narrow Leaf Lobes • Dark Green and Shiny Fruits • Tolerant To YVMV & ELCV

Opposition can be filed up to: 19-05-2026

2. Application No.: PBRR-OKRA-178/25

Name of the Applicant:	Director Nuclear Institute for Food and Agriculture (NIFA) Peshawar
Institute:	Nuclear Institute for Food and Agriculture (NIFA) Peshawar
Name of Breeder(s):	Dr. Syed Tariq Shah, Ghulam Ullah, Dr. Roshan Zamir, Dr. Iqbal Saeed
Name of Co-breeder(s):	
Application for:	New Plant Variety
Denomination of Variety:	NIFA Bhindi-25
Crop:	Okra (<i>Abelmoschus esculentus</i> L.)
Type of Variety:	OPV

Name of Initial Variety (in case of EDV):

Not Applicable

Salient features:

CHARACTERISTICS	DESCRIPTION
Origin	Local
Maturity Duration	Long
Seedling Height (cm)	5 (After two-weeks)
Seedling Color	Dark Green
Growth Habit	Erect
Plant Height (cm)	120 – 150
Stem Color	Green
Stem Thickness	Thick
Stem Diameter (cm)	1.2
Stem Diameter (cm)	Medium (0.8-1.5)
No of Nodes	Many (> 25)
Stem Pigmentation	Present
Branches Attitude	Semi-erect
Branches Type	Short
Degree of Branches	Medium (2.1-3.9)
Leaf Color	Dark Green
Leaf Length / Width (Cm)	20/14
Leaf Shape	Medium
Petiole Length (Cm)	16.8
No. of Lobes	4
Depth of Lobes	Medium
Dentation of Margin	Strong
Leaf Hairiness	Absent
Leaf Blade Color B/w Veins	Green
Intensity of Color B/w Veins	Dark
Vein Color	Green
Days to 50% Flowering	45-48
Flower Size	Medium

Petal Color	Yellow
Petal Base Color	Both the sides
No. of Petals	5
Pollen Color	Yellow
Stamen Density	High
Stigma Protrusion	Medium
Days to Fruiting	52-58
Fruiting Duration	Late
Fruit Color	Dark Green
Fruit Shape	Straight and Pointed
Young Fruit Diameter at Mid L	Medium
Mature Fruit Diameter at Mid L	2.2
Fruit Surface b/w Ridges	Concave
Fruit Constriction of Basal Part	Absent/ very weak
Fruit Shape of Apex	Narrow acute
Fruit Hairiness	Absent
Number of Locules	Five
Mature Fruit Length	Medium (10-15 cm)
Mature Fruit Diameter at Mid L	Large
Fruit Size	Medium
Fruit Texture	Creased
Fruit Yield (Kg/ha)	12000-18000
Seed Color	Grey
Seed Size	Bold
Seed Shape	Round
Seed Surface	Smooth
1000, Seed Weight (g)	66.7
Flowering Response to Seasons	Variable
Heat Tolerance	Most Tolerant
Resistance To Diseases	Highly Tolerant to Yvmv
Distinguishing Characteristics	• Dark Green Fruit color High fruiting capacity with longer duration

	• Tolerant To YVMV
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Opposition can be filed up to: 27-05-2026

3. Application No.: PBRR-Potato-166/25

Name of the Applicant: C. Meijer B.V

Institute: -

Name of Breeder(s): -

Name of Co-breeder(s): -

Application for: New Plant Variety

Denomination of Variety: Lady Luce

Crop: Potato (*Solanum tuberosum* L.)

Type of Variety: Clone

Name of Initial Variety (in case of EDV): Not Applicable

Salient features:

Index	Soil:Hclay, lclay, sand Year:2022,2023,2024,2025 Location: Emmeloord, Rilland, West Brabant
Variety	Variety/number
Crossing	Parentage
Market	Market group
Crop1	Canopy development May/June (1slow-5 very rapid)
Crop2	Canopy development June (1slow-5 very rapid)
Crop3	Canopy development July (1slow-5 very rapid)
Maturity	Maturity (3 very late-9 very early)
Bruto yield	Bruto yield (N=normal, H =high, H+=very high), this is without maturity class-correctionz
Yield	Relative yield (100= average set reference varieties for total field), this is without maturity class-correction
Length 45+	Average length (cm) of tuber with diameter 45+
Length 50+	Average length (cm) of tuber with diameter 50+
Length 50-60	Average length (cm) of tuber with diameter 50/60
50+	% grading above 50 mm diameter
40/70	% grading between 40 and 70 diameter
Size-Index	Average diameter of tubers (mm)
Tubers/PL	Amount of tubers/plant
Shape	Shape L(ong), O(val), R(ound)
Uniformity	Uniformity tubers (4 bad, 8 good)
SC	Color of skin L(ight), G(yellow), R(red),
FC	Flesh colour (3 Paperwhite-9 dark yellow)
EYE	Deepness of eyes (3 deep-8 shallow)
GI	General impression (4 bad-8 good)

WB	Ability for washing (4 bad-8 good)
SG	Sensibility second growth (4 bad-8 good)
SCAB	Sensibility common scab (4 bad-8 good)
UWW	Underwater weight (g) of 5.050 kg tubers
DM	Dry matter (%)
CI10	Cooking impression November (3 very bad-8 very good)
CT10	Cooking type November (A very firm-D very merely)
CD10	Discoloration after cooking November (
F10	Color at fry November (3 min 180°C) 3 bad-8 good
FD10	Grey discoloration after frying November 4 bad-8 good
CR10	Crisp color November (180°C) 3 bad- 8 good
BI	Bruises susceptibility (0-no bruising-50 all tubers heavily bruised)
RAWD02	Discoloration of raw-rasped tuber (3=strong 8=none)
CI02	Cooking impression February (3 very bad-8 very good)
CT02	Cooking type February (A very firm – D very mealy)
CD02	Discoloration after cooking February (3 bad- 8 good)
F02	Color at fry February (3 min 180°C) 3 bad- 8 good
FD02	Grey discoloration after cooking February 4 bad-8 good
CR02	Crisp color February (180°C) 3 bad-8 good
DORM4	Dormancy with 4° C storage 1 very germinative-9 = very dormant
DORM8	Dormancy with 8° C storage 1 very germinative-9 = very dormant
F05	Color at fry April (3 min 180°C) 3 bad-8 good
FD05	Grey discoloration after frying April 4 bad-8 good
CR05	Crisp color April (180°C) 3 bad- 8 good
F06	French fry color cold storage (4° C) June, reconditioned (3 min 180°C) 3 bad- 8 good
FD06	Grey discoloration after frying April 4 bad- 8 good
CR06	Crisp color cold storage June (180°C) 3 bad -8 good
%IRS	% tubers with internal rust spot
%HH	% tuber with hollow heart
PHY	Late blight (1= very susceptible -9=very resistant)
RO1	Nematode Globodera Rostochiensis 1(A): relative susceptibility 1=very susceptible to 9=resistant
RO2/3	Nematode Globodera Rostochiensis 2/3 (BC): relative susceptibility 1=very susceptible to 9=resistant
PA2	Nematode Globoderapallida 2 (D): relative susceptibility 1= very susceptible to 9=resistant
PA3	Nematode Globoderapallida 2 (E): relative susceptibility 1= very susceptible to 9=resistant
WZ1 (D1)	Wart disease Synchytrium endobioticum 1 (D1) resistance: 1=very susceptible to 9=resistant, 10=immune
WZ2 (G1)	Wart disease Synchytrium endobioticum 2 (G1) resistance: 1=very susceptible to 9=resistant, 10=immune
WZ6(01)	Wart disease Synchytrium endobioticum 6 (01) resistance: 1=very susceptible to 9=resistant, 10=immune
WZ18 (T1)	Wart disease Synchytrium endobioticum 18 (T1) resistance: 1=very susceptible to 9=resistant, 10=immune

VIRUS YNTN	Yntn resistance (including exl defects 1=very susceptible to 9=resistant	
VIRUS Y	Y-virus resistance (more strains) 1= very susceptible to 9=resistant	
Variety	Lady Luce	Musica
Crossing	Ladyanna × CMK2008-071-009	CMK1993-042-005 × LADYCHRISTL
Number	45	90
Market	FWHITE	KYELLOW
Crop1	3	4
Crop2	4	3
Crop3	4	3
Maturity	6	7
Yield	106	110
Length 45+	9	9
Length 50-60	9	8
50+	77	69
40/70	79	80
Size-Index	58	55
Tubers/PL	13	17
Shape	LLO	LO
Uniformity	7	7
SC	LG	DG
FC	4,3	7,4
EYE	7	8
GI	6	7
WB	7	7
SG	8	8
SCAB	6	7
UWW	379	351
DM	21	19
CI10	8	8
CT10	AAB	A
CD10	7	8
F10	8	4

FD10	7	8
BI	13	12
RAWD02	5	5
CI02	8	8
CT02	AAB	A
CD02	7	8
F02	8	4
FD02	7	8
CR02		
DORM4	6	4
DORM8	7	2
F05	8	
FD05	7	
CR05	7	
F06	6	
FD06	7	
CR06	5	
%IRS	8	4
%HH	1	0
PHY	2	3
RO1	9	9
RO2/3	6	8
PA2	9	6
PA3	8	3
WZ1 (D1)	10	10
WZ2 (G1)	4	4
WZ6(01)	5	4
WZ18 (T1)	1	4
4VIRUS YNTN	8	10
VIRUS Y	7	8

Opposition can be filed up to: 19-05-2026

ISSUANCE OF PLANT VARIETAL PROTECTION CERTIFICATES

The Plant Breeders' Rights Registry has issued the following Five (5) certificates of Plant Breeders' Rights in favor of the varieties listed below

S. No.	Crop	Variety	Company/ Organization			
1	Alfalfa	Chenab Alfalfa 2025	Fodder Research	Sub-Station,	AARI, Faisalabad	
2	Alfalfa	Cholistani Alfalfa-2025	Fodder Research	Sub-Station,	AARI, Faisalabad	
3	Alfalfa	QS Alfalfa-2025	Fodder Research	Sub-Station,	AARI, Faisalabad	
4	Oats	QS Oats-2024	Fodder Research	Sub-Station,	AARI, Faisalabad	
5	Berseem	FRSS Star berseem-2024	Fodder Research	Sub-Station,	AARI, Faisalabad	

1. Application No.: PBRR-Alfalfa-161/25

Name of the Applicant: Principal Scientist FRSS, AARI, Faisalabad

Institute: FRSS, AARI, Faisalabad

Name of Breeder(s): Dr. Qamar Shakeel, Dr. Zulfiqar Ali, Dr. Asif Ali Khan, Mr. Zohab Asif, Ms. Amna Kanwal

Name of Co-breeder(s):

Application for: New Plant Variety

Denomination of Variety: Chenab Alfalfa-2025

Crop: Alfalfa (*Medicago sativa* L.)

Type of Variety: OPV

Name of Initial Variety (in case of EDV): Not Applicable

Salient features:

CHARACTERISTICS	DESCRIPTION
Sowing time	October
Maturity duration	Long
SEEDLING CHARACTERISTICS	
Seedling color	Green
Seedling anthocyanin	Weak-Medium
Seedling height (cm)	1.2-1.3
Auxiliary Pubescence	Very Weak
PLANT CHARACTERISTICS	
Growth habit	Semi Erect

Growth type	Intermediate
Plant height (cm)	63.4-68.0
STEM CHARACTERISTICS	
Stem color	Light Green
Stem thickness (cm)	0.25-0.42
No. of nodes/stem	7-8
LEAF CHARACTERISTICS	
Leaf attitude	Semi Erect
Leaf color	Dark Green
Leaf length (cm)	3.7-4.0
Leaf width (cm)	1.4-1.6
Leaf anthocyanin	Absent
Leaflet margins	Fairly Serrate
Leaflet apex margin	Acute
Leaflet pubescence	Glabrous
FLOWER CHARACTERISTICS	
Flowering days (50%)	165-180
Flower color	Purplish
Peduncle hairiness	Glabrous
SEED CHARACTERISTICS	
Seed shape	Ovoid
Seed color	Light Brown
Seed surface	Shiny
Seed length (mm)	0.3-0.4
Seed width (mm)	0.2



Government of Pakistan
Plant Breeders' Rights Registry

Form PB-10
[See Rule 13(1)]

Serial No. 000105



CERTIFICATE OF PLANT VARIETY PROTECTION

Registration No. 105-ALF/161-2025

Dated: 25-07-2025

Crop: Alfalfa

Denomination of Variety: Chenab Alfalfa-2025

Type: New

Conventional/GMC: Conventional

OP/Hybrid: OP

Local/Exotic: Local

As declared

- That Dr. Qamar Shakil, Dr. Zulfiqar Ali, Dr. Asif Ali Khan, Zohab Asif & Amna Kanwal

has/have developed new plant variety and also that they are the true breeder(s).

- By virtue of an application that has been made to grant plant variety protection rights and that plant variety has particularly been described with respect to its distinctive features and a suitable denomination.
- There is no objection to grant plant variety protection rights of the said variety under the Plant Breeders' Rights Act, 2016 in favour of:

FODDER RESEARCH SUB-STATION, AARI, FAISALABAD

فوڈر ریسرچ سب اسٹیشن، اے اے آر آئی، فیصل آباد

By virtue of this certificate, the above mentioned owner(s) of the rights have under the Plant Breeders' Rights Act, 2016, the exclusive right to produce, sell, market, distribute, import or export the variety (seed) or propagating material for a term of twenty years starting from the 25th day of July 2025 and expiring on the 24th day of July 2045.



Registrar

Date of Grant

04-03-2026

2. Application No.: PBRR-Alfalfa-162/25

Name of the Applicant: Principal Scientist FRSS, AARI, Faisalabad
Institute: FRSS, AARI, Faisalabad
Name of Breeder(s): Dr. Qamar Shakeel, Dr. Zulfiqar Ali, Dr. Asif Ali Khan, Mr. Zohab Asif, Ms. Amna Kanwal
Name of Co-breeder(s):
Application for: New Plant Variety
Denomination of Variety: Cholistani Alfalfa-2025
Crop: Alfalfa (*Medicago sativa* L.)
Type of Variety: OPV
Name of Initial Variety (in case of EDV): Not Applicable
Salient features:

CHARACTERISTICS	DESCRIPTION
Sowing time	October
Maturity duration	Long
SEEDLING CHARACTERISTICS	
Seedling color	Green
Seedling anthocyanin	Weak-Medium
Seedling height cm	1.2-1.3
Auxiliary Pubescence	Weak
PLANT CHARACTERISTICS	
Growth habit	Semi Erect
Growth type	Intermediate
Plant height cm	66.7-75.3
STEM CHARACTERISTICS	
Stem color	Light Green
Stem thickness cm	0.25-0.47
No. of nodes/stem	6-7
LEAF CHARACTERISTICS	
Leaf attitude	Semi Erect
Leaf color	Dark Green
Leaf length cm	3.9-4.1
Leaf width cm	1.6-1.7
Leaf anthocyanin	Absent
Leaflet margins	Fairly Serrate
Leaflet apex margin	Acute
Leaflet pubescence	Glabrous

FLOWER CHARACTERISTICS	
Flowering days (50 %)	175-195
Flower color	Purplish
Peduncle hairiness	Glaborous
SEED CHARACTERISTICS	
Seed shape	Ovoid
Seed color	Light Brown
Seed surface	Light Shiny
Seed length mm	0.3-0.4
Seed width mm	0.2



Government of Pakistan
Plant Breeders' Rights Registry

Form PB-10
[See Rule 13(1)]

Serial No. 000106



CERTIFICATE OF PLANT VARIETY PROTECTION

Registration No. 106-ALF/162-2025

Dated:

25-07-2025

Crop: Alfalfa

Denomination of Variety: Cholistani Alfalfa-2025

Type: New

Conventional/GMC: Conventional

OP/Hybrid: OP

Local/Exotic: Local

As declared

- That Dr. Qamar Shakil, Dr. Zulfiqar Ali, Dr. Asif Ali Khan, Zohab Asif & Amna Kanwal

has/have developed new plant variety and also that they are the true breeder(s).

- By virtue of an application that has been made to grant plant variety protection rights and that plant variety has particularly been described with respect to its distinctive features and a suitable denomination.
- There is no objection to grant plant variety protection rights of the said variety under the Plant Breeders' Rights Act, 2016 in favour of:

FODDER RESEARCH SUB-STATION, AARI, FAISALABAD

فوڈر ریسرچ سب اسٹیشن، اے اے آر آئی، فیصل آباد

By virtue of this certificate, the above mentioned owner(s) of the rights have under the Plant Breeders' Rights Act, 2016, the exclusive right to produce, sell, market, distribute, import or export the variety (seed) or propagating material for a term of twenty years starting from the 25th day of July 2025 and expiring on the 24th day of July 2045.



Registrar

Date of Grant

04-03-2026

3. Application No.: PBRR-Barseem-163/25

Name of the Applicant: Principal Scientist FRSS, AARI, Faisalabad
Institute: FRSS, AARI, Faisalabad
Name of Breeder(s): Dr. Qamar Shakeel, Dr. Zulfiqar Ali, Dr. Asif Ali Khan, Mr. Zohab Asif, Ms. Amna Kanwal
Name of Co-breeder(s):
Application for: New Plant Variety
Denomination of Variety: QS Alfalfa-2025
Crop: Alfalfa (*Medicago sativa* L.)
Type of Variety: OPV
Name of Initial Variety (in case of EDV): Not Applicable

Salient features:

CHARACTERISTICS	DESCRIPTION
Sowing time	October
Maturity duration	Long
SEEDLING CHARACTERISTICS	
Seedling color	Green
Seedling anthocyanin	Weak-Medium
Seedling height (cm)	1.1-1.4
Auxiliary Pubescence	Weak
PLANT CHARACTERISTICS	
Growth habit	Semi Erect
Growth type	Intermediate
Plant height (cm)	64.8-75.0
STEM CHARACTERISTICS	
Stem color	Light Green
Stem thickness (cm)	0.30-0.41
No. of nodes/stem	5-7
LEAF CHARACTERISTICS	
Leaf attitude	Semi Erect
Leaf color	Dark Green
Leaf length (cm)	3.5-3.9
Leaf width (cm)	1.6-1.7
Leaf anthocyanin	Absent
Leaflet margins	Fairly Serrate
Leaflet apex margin	Acute

Leaflet pubescence	Glaborous
FLOWER CHARACTERISTICS	
Flowering days (50 %)	170-190
Flower color	White
Peduncle hairiness	Glaborous
SEED CHARACTERISTICS	
Seed shape	Ovoid
Seed color	Light Brown
Seed surface	Light Shiny
Seed length (mm)	0.3
Seed width (mm)	0.2



Government of Pakistan
Plant Breeders' Rights Registry

Form PB-10
[See Rule 13(1)]

Serial No. 000107



CERTIFICATE OF PLANT VARIETY PROTECTION

Registration No. 107-ALF/163-2025

Dated: 25-07-2025

Crop: Alfalfa

Denomination of Variety: QS Alfalfa-2025

Type: New

Conventional/GMC: Conventional

OP/Hybrid: OP

Local/Exotic: Local

As declared

- That Dr. Qamar Shakil, Dr. Zulfiqar Ali, Dr. Asif Ali Khan, Zohab Asif & Amna Kanwal

has/have developed new plant variety and also that they are the true breeder(s).

- By virtue of an application that has been made to grant plant variety protection rights and that plant variety has particularly been described with respect to its distinctive features and a suitable denomination.
- There is no objection to grant plant variety protection rights of the said variety under the Plant Breeders' Rights Act, 2016 in favour of:

FODDER RESEARCH SUB-STATION, AARI, FAISALABAD

فوڈر ریسرچ سب اسٹیشن، اے اے آر آئی، فیصل آباد

By virtue of this certificate, the above mentioned owner(s) of the rights have under the Plant Breeders' Rights Act, 2016, the exclusive right to produce, sell, market, distribute, import or export the variety (seed) or propagating material for a term of twenty years starting from the 25th day of July 2025 and expiring on the 24th day of July 2045.



Registrar

Date of Grant

04-03-2026

4. Application No.: PBRR-Oats-164/25

Name of the Applicant: Principal Scientist FRSS, AARI, Faisalabad
Institute: FRSS, AARI, Faisalabad
Name of Breeder(s): Dr. Qamar Shakeel, Dr. Zulfiqar Ali, Dr. Asif Ali Khan, Mr. Zohab Asif, Ms. Amna Kanwal
Name of Co-breeder(s):
Application for: New Plant Variety
Denomination of Variety: QS Oats-2024
Crop: Oats (*Avena sativa* L.)
Type of Variety: OPV
Name of Initial Variety (in case of EDV): Not Applicable

Salient features:

CHARACTERISTICS	DESCRIPTION
Planting time	Oct-Nov
Maturity duration	Medium
Suitable for sowing	All Sowing
SEEDLING CHARACTERISTICS	
Seedling height (cm)	6.3-6.6
Seedling color	Light Greenish
Seedling leaf hairness	Weak
PLANT CHARACTERISTICS	
Growth habit (at tillering)	Erect
Plant height cm	138-146
Color at booting	Dark Green
No. of tillers/mt	114-120
Stem diameter (mm)	7.6-9.0
Hairiness of upper most node	Weak
Stem waxy bloom	Weak-Medium
Straw color at maturity	White
LEAF CHARACTERISTICS	
Leaf color	Dark Greenish
Flag leaf length (cm)	28.5-32.6
Flag leaf width (cm)	1.6-1.8
Leaf margin hairiness (below flag leaf)	Weak
Sheath hairiness of lower leaves	Absent
Leaf anthocyanin	Absent
Ligule color	Light Greenish
Ligule length (cm)	4.7-5.8

PANICLE CHARACTERISTICS	
Panicle length (cm)	29.5-32.3
Panicle orientation of branches	Equilateral
Panicle attitude of branches	Semi Erect
Spikelet attitude	Pendulous
Glume shineness	Medium
Glume length (cm)	2.7-2.8
SEED CHARACTERISTICS	
Seed shape	Spindle
Seed color	Amber
Seed thickness (mm)	1.6-1.7
Seed length (mm)	12-14
Seed width (mm)	2.2-2.6
Seed awning	Absent
Seed hairiness at base	Weak-Medium



Government of Pakistan
Plant Breeders' Rights Registry

Form PB-10
[See Rule 13(1)]

Serial No. 000108



CERTIFICATE OF PLANT VARIETY PROTECTION

Registration No. 108-OAT/164-2025

Dated: 25-07-2025

Crop: Oats

Denomination of Variety: QS Oats-2024

Type: New

Conventional/GMC: Conventional

OP/Hybrid: OP

Local/Exotic: Local

As declared

- That Dr. Qamar Shakil, Dr. Zulfiqar Ali, Dr. Asif Ali Khan, Zohab Asif & Amna Kanwal

has/have developed new plant variety and also that they are the true breeder(s).

- By virtue of an application that has been made to grant plant variety protection rights and that plant variety has particularly been described with respect to its distinctive features and a suitable denomination.
- There is no objection to grant plant variety protection rights of the said variety under the Plant Breeders' Rights Act, 2016 in favour of:

FODDER RESEARCH SUB-STATION, AARI, FAISALABAD

فوڈر ریسرچ سب اسٹیشن، اے اے آر آئی، فیصل آباد

By virtue of this certificate, the above mentioned owner(s) of the rights have under the Plant Breeders' Rights Act, 2016, the exclusive right to produce, sell, market, distribute, import or export the variety (seed) or propagating material for a term of twenty years starting from the 25th day of July 2025 and expiring on the 24th day of July 2045.



Registrar

Date of Grant 04-03-2026

5. Application No.: PBRR-Barseem-165/25

Name of the Applicant: Principal Scientist FRSS, AARI, Faisalabad
Institute: FRSS, AARI, Faisalabad
Name of Breeder(s): Dr. Qamar Shakeel, Dr. Zulfiqar Ali, Dr. Asif Ali Khan, Mr. Zohab Asif, Ms. Amna Kanwal
Name of Co-breeder(s):
Application for: New Plant Variety
Denomination of Variety: FRSS Star Barseem-2024
Crop: Berseem (*Trifolium alexandrinum* L.)
Type of Variety: OPV
Name of Initial Variety (in case of EDV): Not Applicable

Salient features:

CHARACTERISTICS	DESCRIPTION
Sowing time	October
Maturity duration	Long
Main use	Fodder
SEEDLING CHARACTERISTICS	
Seedling color	Light Green
Seedling anthocyanin	Absent
Seedling height cm	0.4-0.6
Auxiliary Pubescence	Absent
PLANT CHARACTERISTICS	
Growth habit	Semi Erect
Growth type	Intermediate
Plant height cm	73.7-83.2
STEM CHARACTERISTICS	
Stem color	Light Green
Stem thickness cm	0.4-0.5
No. of nodes/stem	8-11
LEAF CHARACTERISTICS	
Leaf attitude	Semi Erect
Leaf color	Green
Leaf length cm	5.0-5.6
Leaf width cm	2.3-2.5
Leaf anthocyanin	Absent
Leaflet margins	Entire
Leaflet apex shape	Emerginate

Leaflet pubescence	Slight Hairiness
FLOWER CHARACTERISTICS	
Flowering days (50%)	185-200
Flower color	White
SEED CHARACTERISTICS	
Seed shape	Ovoid
Seed color	Yellow
Seed surface	Shiny
Seed length mm	0.3
Seed width mm	0.2



Government of Pakistan
Plant Breeders' Rights Registry

Form PB-10
[See Rule 13(1)]

Serial No. 000109



CERTIFICATE OF PLANT VARIETY PROTECTION

Registration No. 109-BRS/165-2025

Dated: 25-07-2025

Crop: Berseem

Denomination of Variety: FRSS Star Berseem-2024

Type: New

Conventional/GMC: Conventional

OP/Hybrid: OP

Local/Exotic: Local

As declared

- That Dr. Qamar Shakil, Dr. Zulfiqar Ali, Dr. Asif Ali Khan, Zohab Asif & Amna Kanwal

has/have developed new plant variety and also that they are the true breeder(s).

- By virtue of an application that has been made to grant plant variety protection rights and that plant variety has particularly been described with respect to its distinctive features and a suitable denomination.
- There is no objection to grant plant variety protection rights of the said variety under the Plant Breeders' Rights Act, 2016 in favour of:

FODDER RESEARCH SUB-STATION, AARI, FAISALABAD

فوڈر ریسرچ سب اسٹیشن، اے اے آر آئی، فیصل آباد

By virtue of this certificate, the above mentioned owner(s) of the rights have under the Plant Breeders' Rights Act, 2016, the exclusive right to produce, sell, market, distribute, import or export the variety (seed) or propagating material for a term of twenty years starting from the 25th day of July 2025 and expiring on the 24th day of July 2045.



Registrar

Date of Grant

06-03-2026

NEWS AND EVENTS

Implementation of the Interim National Wheat Policy

Third meeting of the National Wheat Oversight Committee was chaired by Federal Minister for National Food Security and Research, Rana Tanveer Hussain, to review progress on the establishment of Provincial Implementation Units (PIUs) across the provinces and regions of Pakistan for the implementation of the Interim National Wheat Policy. The Committee was informed about the progress of all provinces and regions regarding successful establishment of Provincial Implementation Units, marking a significant milestone in the implementation of the Interim National Wheat Policy.

Strengthening Pakistan's Cotton Sector Through Regenerative Agriculture

Regenerative agriculture is playing a critical role in revitalizing Pakistan's cotton sector, stated by Federal Minister for National Food Security and Research, Rana Tanveer Hussain. He emphasized the importance of collaborative efforts between the Pakistan Central Cotton Committee (PCCC) and the All Pakistan Textile Mills Association (APTMA) to promote sustainable cotton production, enhance productivity, and strengthen the country's textile value chain.

Committee Assesses Potato Export Challenges Amid Regional Transit Disruptions

Forth Committee meeting on Potato Export was chaired by the Federal Minister Rana Tanveer Hussain to assess export challenges. The Committee reviewed current challenges faced by the potato export, discussed alternative export corridors with an emphasis on sea routes and explored strategies to expand Pakistani potato exports, particularly in Southeast Asian markets. The Minister reaffirmed the government's commitment to supporting exporters and ensuring uninterrupted trade.

Pakistan, China Strengthen Agricultural Investment Partnership

Pakistan–China Investment Conference including 119 Chinese and 191 Pakistani companies held to assure Pakistan's commitment to strengthening agricultural and economic cooperation with China. Government of Pakistan assured full government support for Chinese investors, and emphasized collaboration in agriculture, food security, technology, and renewable energy.



Reforming Pakistan's Agricultural Research System

The government of Pakistan is working on reforms to improve the Research and Development capacity of the Pakistan Agricultural Research Council (PARC). According to Dr. Syed Murtaza Hassan Andrabi, Chairman PARC, the reforms are based on emphasizing the need to modernize research institutions, improve coordination, strengthen technology transfer, and align research with food security and export priorities. The Chairman also highlighted the importance of establishing a Digital NARIS Platform, to facilitate collaboration, enhance data sharing, and evidence-based decision-making.

National Agricultural Plan Aims for 25% Kharif Growth

Federal Minister for National Food Security and Research, Rana Tanveer Hussain, chaired a high-level meeting with Agriculture Minister Punjab, Syed Muhammad Ashiq Hussain Shah Kirmani, to review the current state of the agriculture sector and devise a comprehensive strategy for its transformation. The Federal Minister set key targets, including a 25 percent increase in Kharif crop production, improved wheat productivity, and enhanced export capacity via diversification and value addition. He asked the stakeholders to submit practical recommendations and assured federal support for initiatives aimed at transforming Pakistan's agriculture sector.