

AVALON

CHARACTERS IN DETAIL

Grain

Colour of lemma n/a

Plant

Growth habit intermediate
 Lower leaf sheath hairiness absent or very weak
 Hairiness of leaf margins below flag leaf medium to strong
 Frequency of plants with recurved flag leaves low
 Time of panicle emergence late
 Glaucosity of flag leaf sheath medium
 Length (stem and panicle) medium to long

Stem

Hairiness of uppermost node medium

Glumes

Glaucosity weak to medium
 Length medium to long

Panicle

Attitude of branches semi-erect
 Length long

Primary Grain

Lemma glaucosity n/a
 Husk absent (naked type)
 Hairiness of back of lemma n/a
 Hairiness of base n/a
 Length of basal hairs n/a
 Frequency of awns low to medium
 Lemma length n/a

BRODIE**CHARACTERS IN DETAIL****Panicle**

Type

Branch Attitude

semi-erect to horizontal

Spikelets

Attitude

Frequency of 3-grain spikelets

Awns

Abundance

absent or very weak

Glumes

Length

Glaucosity

medium to long

weak to medium

Primary Grain

Husk

Lemma - glaucosity - intensity

Lemma - colour

Lemma - length

Lemma - hairiness of back

Basal hairs - frequency

Basal hairs - length

Rachilla - length

present

absent or very weak

yellow

long

n/a

absent or very weak

n/a

medium

Culm

Upper culm node hairs - presence

Upper culm node hairs - intensity

present

strong

Plant growth characters

Plant - growth habit

Lower leaves - hairiness of sheaths

Leaf blade - hairiness of leaf margin below flag

Plant - height (stem and panicle)

Time of panicle emergence

semi-erect to intermediate

weak to medium

medium

short to medium

medium to late

CROMWELL**CHARACTERS IN DETAIL****Panicle**

Type

Branch Attitude

horizontal

Spikelets

Attitude

Frequency of 3-grain spikelets

Awns

Abundance

very weak to weak

Glumes

Length

Glaucosity

medium to long
weak**Primary Grain**

Husk

Lemma - glaucosity - intensity

Lemma - colour

Lemma - length

Lemma - hairiness of back

Basal hairs - frequency

Basal hairs - length

Rachilla - length

present
absent or very weak
white
short to medium
n/a
very weak to weak
short
medium**Culm**

Upper culm node hairs - presence

Upper culm node hairs - intensity

present
weak**Plant growth characters**

Plant - growth habit

Lower leaves - hairiness of sheaths

Leaf blade - hairiness of leaf margin below flag

Plant - height (stem and panicle)

Time of panicle emergence

semi-erect to intermediate
weak
weak
very short to short
medium

WINTER OATS

AFP 3/283

DALGUISE

CHARACTERS IN DETAIL

Panicle

Type equilateral
Branch Attitude horizontal

Spikelets

Attitude
Frequency of 3-grain spikelets absent to few

Awns

Abundance weak

Glumes

Length medium
Glaucosity medium to strong

Primary Grain

Husk present
Lemma - glaucosity - intensity absent or very weak
Lemma - colour white
Lemma - length medium
Lemma - hairiness of back absent
Basal hairs - length short
Rachilla - length medium to long

Culm

Upper culm node hairs - presence absent
Upper culm node hairs - intensity

Plant growth characters

Plant - growth habit semi-erect
Lower leaves - hairiness of sheaths weak to medium
Leaf blade - hairiness of leaf margin below flag weak to medium
Plant - height (stem and panicle) medium
Time of panicle emergence early to medium

EAGLE**CHARACTERS IN DETAIL****Panicle**

Type

Branch Attitude

semi-erect

Spikelets

Attitude

Frequency of 3-grain spikelets

Awns

Abundance

weak

Glumes

Length

Glaucosity

medium

medium

Primary Grain

Husk

Lemma - glaucosity - intensity

Lemma - colour

Lemma - length

Lemma - hairiness of back

Basal hairs - length

Rachilla - length

present

absent or very weak

white

short to medium

n/a

short-medium

medium

Culm

Upper culm node hairs - presence

Upper culm node hairs - intensity

absent

n/a

Plant growth characters

Plant - growth habit

Lower leaves - hairiness of sheaths

Leaf blade - hairiness of leaf margin below flag

Plant - height (stem and panicle)

Time of panicle emergence

semi-erect

absent

absent or very weak

short to medium

medium

FUSION

CHARACTERS IN DETAIL

Panicle

Type	equilateral
Branch Attitude	horizontal

Spikelets

Attitude	pendulous
Frequency of 3-grain spikelets	occasional

Awns

Abundance	absent or very weak
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Glumes

Length	medium to long
Glaucosity	absent or very weak

Primary Grain

Husk	absent (naked type)
Lemma - glaucosity - intensity	n/a
Lemma - colour	n/a
Lemma - length	n/a
Lemma - hairiness of back	n/a
Basal hairs - length	n/a
Rachilla - length	long

Culm

Upper culm node hairs - presence	absent
Upper culm node hairs - intensity	n/a

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Lower leaves - hairiness of sheaths	medium
Leaf blade - hairiness of leaf margin below flag	medium
Plant - height (stem and panicle)	short
Time of panicle emergence	medium

GALLOWAY**CHARACTERS IN DETAIL****Panicle**

Type

Branch Attitude

semi-erect to horizontal

Spikelets

Attitude

Frequency of 3-grain spikelets

Awns

Abundance

very weak to weak

Glumes

Length

Glaucosity

medium to long
strong**Primary Grain**

Husk

Lemma - glaucosity - intensity

Lemma - colour

Lemma - length

Lemma - hairiness of back

Basal hairs - frequency

Basal hairs - length

Rachilla - length

present
medium
white
long
n/a
very weak to weak
medium
medium**Culm**

Upper culm node hairs - presence

Upper culm node hairs - intensity

absent
n/a**Plant growth characters**

Plant - growth habit

Lower leaves - hairiness of sheaths

Leaf blade - hairiness of leaf margin below flag

Plant - height (stem and panicle)

Time of panicle emergence

semi-erect to intermediate
weak to medium
weak to medium
long
early to medium

GERALD**CHARACTERS IN DETAIL****Panicle**

Type	equilateral
Branch Attitude	horizontal to drooping

Spikelets

Attitude	
Frequency of 3-grain spikelets	absent or very few

Awns

Abundance	weak
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Glumes

Length	medium
Glaucosity	absent or very weak

Primary Grain

Husk	present
Lemma - glaucosity – intensity	absent
Lemma - colour	white
Lemma - length	medium to long
Lemma - hairiness of back	absent
Basal hairs - length	short-medium
Rachilla - length	medium

Culm

Upper culm node hairs - presence	absent
Upper culm node hairs - intensity	

Plant growth characters

Plant - growth habit	intermediate
Lower leaves - hairiness of sheaths	medium
Leaf blade - hairiness of leaf margin below flag	strong
Plant - height (stem and panicle)	short to medium
Time of panicle emergence	late to very late

GRAFTON**CHARACTERS IN DETAIL****Panicle**

Type	equilateral
Branch Attitude	drooping

Spikelets

Attitude	
Frequency of 3-grain spikelets	numerous

Awns

Abundance	weak
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Glumes

Length	short to medium
Glaucosity	very weak

Primary Grain

Husk	absent (naked type)
Lemma - glaucosity - intensity	absent or very weak
Lemma - colour	white
Lemma - length	medium
Lemma - hairiness of back	absent
Basal hairs - length	
Rachilla - length	short

Culm

Upper culm node hairs - presence	absent
Upper culm node hairs – intensity	n/a

Plant growth characters

Plant - growth habit	semi-erect to intermediate
Lower leaves - hairiness of sheaths	medium
Leaf blade - hairiness of leaf margin below flag	medium
Plant - height (stem and panicle)	short to medium
Time of panicle emergence	early to medium

KWS PERTINENT

CHARACTERS IN DETAIL

Grain

Colour of lemma white

Plant

Growth habit semi-erect to intermediate
 Lower leaf sheath hairiness absent or very weak
 Hairiness of leaf margins below flag leaf weak to medium
 Frequency of plants with recurved flag leaves very low to low
 Time of panicle emergence medium to late
 Glaucosity of flag leaf sheath medium to strong
 Length (stem and panicle) medium to long

Stem

Hairiness of uppermost node medium

Glumes

Glaucosity medium
 Length medium

Panicle

Attitude of branches horizontal
 Length long

Primary Grain

Lemma glaucosity very weak
 Husk present
 Hairiness of back of lemma n/a
 Hairiness of base absent or weak
 Length of basal hairs short to medium
 Frequency of awns medium
 Lemma length short to medium
 Length of rachilla medium to long

Winter Oats

[AFP 3/544]

Lewis

CHARACTERS IN DETAIL

Grain

Colour of lemma yellow

Plant

Growth habit intermediate
Lower leaf sheath hairiness medium
Hairiness of leaf margins below flag leaf medium
Frequency of plants with recurved flag leaves low to medium
Time of panicle emergence medium to late
Glaucosity of flag leaf sheath medium
Length (stem and panicle) long to very long

Stem

Hairiness of uppermost node medium

Glumes

Glaucosity very weak
Length short to medium

Panicle

Attitude of branches horizontal
Length medium to long

Primary Grain

Lemma glaucosity absent or very weak
Husk present
Hairiness of back of lemma not applicable
Hairiness of base absent or weak
Length of basal hairs not applicable
Frequency of awns absent or low
Lemma length medium to long
Length of rachilla medium

MASCANI**CHARACTERS IN DETAIL****Panicle**

Type	equilateral
Branch Attitude	horizontal to drooping

Spikelets

Attitude	
Frequency of 3-grain spikelets	absent or very few

Awns

Abundance	weak
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Glumes

Length	medium
Glaucosity	weak to medium

Primary Grain

Husk	present
Lemma - glaucosity - intensity	absent or very weak
Lemma - colour	yellow
Lemma - length	medium to long
Lemma - hairiness of back	absent
Basal hairs - length	
Rachilla - length	medium

Culm

Upper culm node hairs - presence	present
Upper culm node hairs - intensity	medium

Plant growth characters

Plant - growth habit	intermediate
Lower leaves - hairiness of sheaths	weak
Leaf blade - hairiness of leaf margin below flag	weak
Plant - height (stem and panicle)	medium
Time of panicle emergence	medium

MAUNSELL

CHARACTERS IN DETAIL

Grain

Colour of lemma white

Plant

Growth habit intermediate
Lower leaf sheath hairiness medium
Hairiness of leaf margins below flag leaf medium
Frequency of plants with recurved flag leaves low
Time of panicle emergence early to medium
Glaucosity of flag leaf sheath medium
Length (stem and panicle) long

Stem

Hairiness of uppermost node weak to medium

Glumes

Glaucosity weak
Length short to medium

Panicle

Attitude of branches horizontal
Length long

Primary Grain

Lemma glaucosity absent or very weak
Husk present
Hairiness of back of lemma not applicable
Hairiness of base medium to strong
Length of basal hairs medium
Frequency of awns absent or low
Lemma length medium
Length of rachilla medium

PELTON

CHARACTERS IN DETAIL

Panicle

Type

Branch Attitude

semi-erect

Spikelets

Attitude

Frequency of 3-grain spikelets

Awns

Abundance

weak to medium

Glumes

Length

Glaucosity

medium

weak to medium

Primary Grain

Husk

Lemma - glaucosity - intensity

Lemma - colour

Lemma - length

Lemma - hairiness of back

Basal hairs - length

Rachilla - length

absent (naked type)

n/a

n/a

n/a

absent

n/a

short

Culm

Upper culm node hairs - presence

Upper culm node hairs - intensity

present

medium

Plant growth characters

Plant - growth habit

Lower leaves - hairiness of sheaths

Leaf blade - hairiness of leaf margin below flag

Plant - height (stem and panicle)

Time of panicle emergence

semi-erect to intermediate

medium

absent or very weak

medium

late

PENROSE**CHARACTERS IN DETAIL****Panicle**

Type

Branch Attitude

semi-erect to horizontal

Spikelets

Attitude

Frequency of 3-grain spikelets

Awns

Abundance

very weak

Glumes

Length

Glaucosity

medium

weak

Primary Grain

Husk

Lemma - glaucosity - intensity

Lemma - colour

Lemma - length

Lemma - hairiness of back

Basal hairs - frequency

Basal hairs - length

Rachilla - length

present

absent or very weak

white

medium

n/a

absent or very weak

n/a

medium

Culm

Upper culm node hairs - presence

Upper culm node hairs - intensity

present

medium

Plant growth characters

Plant - growth habit

Lower leaves - hairiness of sheaths

Leaf blade - hairiness of leaf margin below flag

Plant - height (stem and panicle)

Time of panicle emergence

semi-erect to intermediate

strong

weak to medium

long

medium

RANNOCH

CHARACTERS IN DETAIL

Grain

Colour of lemma yellow

Plant

Growth habit intermediate
 Lower leaf sheath hairiness medium
 Hairiness of leaf margins below flag leaf weak to medium
 Frequency of plants with recurved flag leaves medium
 Time of panicle emergence medium to late
 Glaucosity of flag leaf sheath medium to strong
 Length (stem and panicle) medium to long

Stem

Hairiness of uppermost node medium to strong

Glumes

Glaucosity weak to medium
 Length long

Panicle

Attitude of branches semi-erect
 Length long to very long

Primary Grain

Lemma glaucosity absent or very weak
 Husk present
 Hairiness of back of lemma n/a
 Hairiness of base absent or weak
 Length of basal hairs medium
 Frequency of awns absent or low
 Lemma length medium to long
 Length of rachilla medium to long

RGT CRAWFORD

CHARACTERS IN DETAIL

Grain

Colour of lemma white

Plant

Growth habit intermediate
Lower leaf sheath hairiness medium
Hairiness of leaf margins below flag leaf weak to medium
Frequency of plants with recurved flag leaves very low to low
Time of panicle emergence medium
Glaucosity of flag leaf sheath medium
Length (stem and panicle) long

Stem

Hairiness of uppermost node weak to medium

Glumes

Glaucosity medium
Length medium

Panicle

Attitude of branches horizontal
Length long to very long

Primary Grain

Lemma glaucosity absent or very weak
Husk present
Hairiness of back of lemma not applicable
Hairiness of base medium to strong
Length of basal hairs short
Frequency of awns low to medium
Lemma length short to medium
Length of rachilla medium

RGT DEMPSEY

CHARACTERS IN DETAIL

Grain

Colour of lemma white

Plant

Growth habit semi-erect to intermediate
 Lower leaf sheath hairiness absent or very weak
 Hairiness of leaf margins below flag leaf weak to medium
 Frequency of plants with recurved flag leaves medium
 Time of panicle emergence medium to late
 Glaucosity of flag leaf sheath medium to strong
 Length (stem and panicle) medium to long

Stem

Hairiness of uppermost node weak to medium

Glumes

Glaucosity medium
 Length medium

Panicle

Attitude of branches horizontal
 Length medium to long

Primary Grain

Lemma glaucosity very weak
 Husk present
 Hairiness of back of lemma n/a
 Hairiness of base medium
 Length of basal hairs medium
 Frequency of awns absent or low
 Lemma length short
 Length of rachilla long

RGT LINEOUT

CHARACTERS IN DETAIL

Panicle

Type	equilateral
Branch Attitude	semi-erect

Spikelets

Attitude	
Frequency of 3-grain spikelets	

Awns

Abundance	weak to medium
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Glumes

Length	medium
Glaucosity	medium to strong

Primary Grain

Husk	present
Lemma - glaucosity - intensity	absent or very weak
Lemma - colour	white
Lemma - length	medium
Lemma - hairiness of back	absent
Basal hairs - length	medium
Rachilla - length	medium

Culm

Upper culm node hairs - presence	absent
Upper culm node hairs - intensity	n/a

Plant growth characters

Plant - growth habit	semi-erect
Lower leaves - hairiness of sheaths	strong
Leaf blade - hairiness of leaf margin below flag	absent or very weak
Plant - height (stem and panicle)	short to medium
Time of panicle emergence	early to medium

RGT SOUTHWARK**CHARACTERS IN DETAIL****Panicle**

Type

Branch Attitude

semi-erect

Spikelets

Attitude

Frequency of 3-grain spikelets

Awns

Abundance

weak

Glumes

Length

Glaucosity

short to medium

weak to medium

Primary Grain

Husk

Lemma - glaucosity - intensity

Lemma - colour

Lemma - length

Lemma - hairiness of back

Basal hairs - length

Rachilla - length

present

absent or very weak

white

short to medium

n/a

medium

medium

Culm

Upper culm node hairs - presence

Upper culm node hairs - intensity

present

medium

Plant growth characters

Plant - growth habit

Lower leaves - hairiness of sheaths

Leaf blade - hairiness of leaf margin below flag

Plant - height (stem and panicle)

Time of panicle emergence

semi-erect

weak

very weak to weak

medium

early to medium

VALENTINE

CHARACTERS IN DETAIL

Panicle

Type

Branch Attitude

semi-erect

Spikelets

Attitude

Frequency of 3-grain spikelets

Awns

Abundance

very weak to weak

Glumes

Length

Glaucosity

medium to long

strong

Primary Grain

Husk

Lemma - glaucosity - intensity

Lemma - colour

Lemma - length

Lemma - hairiness of back

Basal hairs - frequency

Basal hairs - length

Rachilla - length

present

weak to medium

white

long

n/a

strong

medium to long

medium

Culm

Upper culm node hairs - presence

Upper culm node hairs - intensity

present

medium to strong

Plant growth characters

Plant - growth habit

Lower leaves - hairiness of sheaths

Leaf blade - hairiness of leaf margin below flag

Plant - height (stem and panicle)

Time of panicle emergence

semi-erect to intermediate

weak

weak to medium

medium to long

medium to late