

AVALON**CHARACTERS IN DETAIL****Grain**

Colour of lemma	n/a
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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
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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

medium to long

Glaucosity

weak to medium

Primary Grain

Husk

present

Lemma - glaucosity - intensity

absent or very weak

Lemma - colour

yellow

Lemma - length

long

Lemma - hairiness of back

n/a

Basal hairs - frequency

absent or very weak

Basal hairs - length

n/a

Rachilla - length

medium

Culm

Upper culm node hairs - presence

present

Upper culm node hairs - intensity

strong

Plant growth characters

Plant - growth habit

semi-erect to intermediate

Lower leaves - hairiness of sheaths

weak to medium

Leaf blade - hairiness of leaf margin below flag

medium

Plant - height (stem and panicle)

short to medium

Time of panicle emergence

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
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Glumes

Length	medium to long
Glaucosity	weak

Primary Grain

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

Culm

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

Plant growth characters

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

Length	medium
Glaucosity	medium

Primary Grain

Husk	present
Lemma - glaucosity - intensity	absent or very weak
Lemma - colour	white
Lemma - length	short to medium
Lemma - hairiness of back	n/a
Basal hairs - length	short-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	absent
Leaf blade - hairiness of leaf margin below flag	absent or very weak
Plant - height (stem and panicle)	short to medium
Time of panicle emergence	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

medium to long

Glaucosity

strong

Primary Grain

Husk

present

Lemma - glaucosity - intensity

medium

Lemma - colour

white

Lemma - length

long

Lemma - hairiness of back

n/a

Basal hairs - frequency

very weak to weak

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 to intermediate

Lower leaves - hairiness of sheaths

weak to medium

Leaf blade - hairiness of leaf margin below flag

weak to medium

Plant - height (stem and panicle)

long

Time of panicle emergence

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
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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
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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

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

PELTON

CHARACTERS IN DETAIL

Panicle

Type	
Branch Attitude	semi-erect

Spikelets

Attitude	
Frequency of 3-grain spikelets	

Awns

Abundance	weak to medium
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Glumes

Length	medium
Glaucosity	weak to medium

Primary Grain

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

Culm

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

Plant growth characters

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

medium

Glaucosity

weak

Primary Grain

Husk

present

Lemma - glaucosity - intensity

absent or very weak

Lemma - colour

white

Lemma - length

medium

Lemma - hairiness of back

n/a

Basal hairs - frequency

absent or very weak

Basal hairs - length

n/a

Rachilla - length

medium

Culm

Upper culm node hairs - presence

present

Upper culm node hairs - intensity

medium

Plant growth characters

Plant - growth habit

semi-erect to intermediate

Lower leaves - hairiness of sheaths

strong

Leaf blade - hairiness of leaf margin below flag

weak to medium

Plant - height (stem and panicle)

long

Time of panicle emergence

medium

RANNOCH**CHARACTERS IN DETAIL****Grain**

Colour of lemma	yellow
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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
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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
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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
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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
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	short to medium
Glaucosity	weak to medium
Primary Grain	
Husk	present
Lemma - glaucosity - intensity	absent or very weak
Lemma - colour	white
Lemma - length	short to medium
Lemma - hairiness of back	n/a
Basal hairs - length	medium
Rachilla - length	medium
Culm	
Upper culm node hairs - presence	present
Upper culm node hairs - intensity	medium
Plant growth characters	
Plant - growth habit	semi-erect
Lower leaves - hairiness of sheaths	weak
Leaf blade - hairiness of leaf margin below flag	very weak to weak
Plant - height (stem and panicle)	medium
Time of panicle emergence	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