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AUSTRALIAN WHEAT VARIETIES

Supplement No.1 to Second Edition

SIXTEEN RECENT WHEATS AND AN
APPENDIX ON AUSTRALIAN TRITICALE VARIETIES

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COMMONWEALTH SCIENTIFIC
AND INDUSTRIAL RESEARCH ORGANIZATION

Summary Key to 3-6 Leaf Stage

Variety	1.1 Auricle		1.2 Habit		1.3 Leaf length		1.4 Leaf width		1.5 Leaf pubescence					
	s smooth	h hairy	p prostrate	i intermed.	e erect	s short	m medium	l long	n narrow	m medium	w wide	l light	m medium	a abundant
Hyden	s			i		s	m		m	w		l		
Bass	s			i			m		m				m	
Gutha	s			i			m			w		l		
Takari	s			i	e		m		m					a
Banks	s				e		m		n			l		
Gamenya	s				e		m	l			w			m
Kamilaroi	s				e			l		m	w	l		
King	h		p	i		s			n	m		l		
Olympic	h		p	i			m	l	n	m		l	m	
Hartog	h			i		s				m		l	m	
Torres	h			i		s				m		l	m	
Bayonet	h			i		s	m			m	w			m
Quarrion	h			i			m			m	w	l		
Osprey	h			i	e	s	m		n	m		l		
Spear	h			i	e	s	m		n	m				m
Suneca	h			i	e	s	m			m	w	l		
Matong	h			i	e	s	m			m	w			m
Sunstar	h				e	s	m		n	m		l	m	
Dagger	h				e		m		n	m		l	m	
Millewa	h				e		m			m	w		m	a

PLANTS

Summary Key to 6-8 Leaf Stage

Variety	2.1 Auricle		2.2 Habit		2.3 Leaf length		2.4 Leaf width		2.5 Leaf pubescence	
	s smooth h hairy		p prostrate i intermed. e erect		s short m medium l long		n narrow m medium w wide		l light m medium a abundant	
Bass	s			i		m		n		m
Takari	s			i		m l		n m		m a
Sunstar	s			e		m		n		l
Kamilaroi	s			e		m		m		l
Hyden	s			e		m l		m w		l
Gamenya	s			e		m l		m w		m
Gutha	s			e		m l		w		m
Banks	s			e		l		n		l
King	h		p	i		s		n		m
Quarrion	h			i		m		n		l
Olympic	h			i		m l		n m		m
Torres	h			i e		s		n m		l
Osprey	h			i e		s m		n		l
Hartog	h			i e		m		n		m
Suneca	h			e		s m		n m		l
Bayonet	h			e		m		n m		m
Spear	h			e		m		m		l m
Millewa	h			e		m		m		m
Matong	h			e		m l		n m		m
Dagger	h			e		l		m		l

Summary Key to Head Descriptions

Variety	5.1 Glume colour	5.2 Awns	5.3 Head cross- section	5.4 Head side view	5.5 Head density	5.6 Head length	5.7 Glume beak length	5.8 Glume shoulder	5.9 Glume length	5.10 Glume width
	w white b brown	t tip h half f full	f flattened s square	o oblong i interm. t tapering	d dense m medium l lax	s short m medium l long	s short m medium l long	o oblique l level e elevated	s short m medium l long	n narrow m medium w wide
Olympic	w	t	f	t	d m	m	l	l e	s m	n m
King	w	t	f s	i	m l	l	m	l	m l	n m
Takari	w	t h	f s	o i	m l	l	s	l e	l	n m
Gamenya	w	h	s	i	d m	m	s m	l	m	n m
Torres	w	f	f	o	m	m	l	o	l	n m
Dagger	w	f	f	i	m	l	l	l	l	m
Spear	w	f	f	i	m	l	l	l	l	m
Hartog	w	f	f	i	l	l	l	l	l	n m
Banks	w	f	f	i t	m	m l	l	l	l	n
Bayonet	w	f	f	i t	l	l	l	l	l	n m
Osprey	w	f	f	t	d m	m l	l	l	l	n m
Sunstar	w	f	f	t	m	m	l	o l	m l	n m
Bass	w	f	f	t	m	l	l	l e	l	m
Suneca	w	f	f	t	m l	l	l	o	l	n m
Quarrion	w	f	f	t	m l	l	l	l	l	n m
Hyden	w	f	f	t	m l	l	l	l	l	m w
Gutha	w	f	f s	t	m	l	l	l	m l	n m
Kamilaroi	w	f	s	o	m	m l	l	l	l	n m
Matong	b	f	f	i	d	l	l	l	l	m
Millewa	b	f	f	i	m l	m l	l	e	m l	n m

Summary Key to Grain Descriptions

Variety	6.1 Grain hard- ness	6.2 Grain length	6.3 Grain width	6.4 Brush length	6.5 Brush- end profile	6.6 Germ width	6.7 Height/ width ratio	6.8 Colour	6.9 Grain texture
	s soft h hard	s short m medium l long	n narrow m medium w wide	s short m medium l long	p pointed m medium b blunt	n narrow m medium w wide	l low s square h high	l light m medium d dark	o opaque i interm. v vitreous
Olympic	s	m	n m	s m	m	m	s	l	o
Matong	s	m	m	m	m	n m	s	m	o
Gamenya	s	m	m	m l	p m	m w	l s	m	i
Quarrion	s	l	n m	s m	p m	m	s	m	o i
Hyden	s	l	m	s	m	m	s	m	o
Banks	h	m	n	s	m	m	s h	m	i
Millewa	h	m	n	s	b	m	s	m	v
Sunstar	h	m	m	s	m b	m w	s h	m	i
Spear	h	m	m	s	b	m	s	m	i v
Dagger	h	m	m	s	b	m	s	m	v
Osprey	h	m l	n m	s m	p m	m	s	d	v
Takari	h	m l	n m	m	m	m	s	m d	i v
Torres	h	m l	m	m	m	m	s	m	i v
Bass	h	l	n	m	m	n	h	d	v
Kamilaroi	h	l	n m	s	p	m	h	d	v
Hartog	h	l	n m	s	m	m w	s	m d	v
Gutha	h	l	n m	m	m	m w	s h	m d	v
King	h	l	m	s	p m	m	l s	m	i
Suneca	h	l	m	s	b	n m	l s	m	v
Bayonet	h	l	m	m	p m	m	h	m	i

Hyden

Pedigree Gamenya/Inia. 69W58-6-1, 69W/393

Registration data 1982, by W.A. Department of Agriculture

Abbreviation Hyden

Maturity Early

Pathogen resistance Flag smut, stem rust (possibly Sr8 and Sr9b)

Quality type Bread wheat

Growth sites W.A.

Plant characters

1. 3-6 leaf stage

- 1.1 Auricle — smooth
- 1.2 Habit — intermediate
- 1.3 Leaf length — short to medium
- 1.4 Leaf width — medium to wide
- 1.5 Leaf pubescence — light

2. 6-8 leaf stage

- 2.1 Auricle — smooth
- 2.2 Habit — erect
- 2.3 Leaf length — medium to long
- 2.4 Leaf width — medium to wide
- 2.5 Leaf pubescence — light

Dark green, erect leaves

3. Flowering

See head characters, Sections 5.2,
5.4 to 5.10

- 3.1 Top auricle height — medium
to tall
- 3.2 Flag leaf length — medium to
long
- 3.3 Flag leaf width — wide

4. Maturity

See head and grain characters,
Sections 5 and 6

- 4.1 Plant height — medium
- 4.2 Straw strength — strong

ADD COMMENTS applicable to locality and season, to cover any variations from these general descriptions:

Hyden



5. Head characters

- 5.1 Glume colour — white
- 5.2 Awns — fully awned
- 5.3 Head cross-section — flattened
- 5.4 Head, side view — tapering
- 5.5 Head density — medium to lax
- 5.6 Head length — long
- 5.7 Glume beak length — long
- 5.8 Glume shoulder — level
- 5.9 Glume length — long
- 5.10 Glume width — medium to wide

6. Grain characters

- 6.1 Grain hardness — soft
 - 6.2 Grain length — long
 - 6.3 Grain width — medium
 - 6.4 Brush length — short
 - 6.5 Brush-end profile — medium
 - 6.6 Germ width — medium
 - 6.7 Height/width ratio — square
 - 6.8 Colour — medium
 - 6.9 Grain texture — opaque
- Large, oval grain, ridged