

Wheat – newer varieties and potential releases for 2020

20 September 2019

The following is a list of newer wheat varieties and possible new releases for 2020, pending classification and seed supply. The information has been collated from breeding company information and will be updated for the 2020 *Winter crop variety sowing guide*.

Further and more detailed information is available from the respective breeding companies on potential releases for 2020. For more detailed variety descriptions and disease ratings for released varieties please refer to the *Winter crop variety sowing guide 2019*.

* All classifications/ratings are preliminary and subject to final review.

Bread wheat varieties

Catapult[®](RAC2484) ^{NEW}

<p>Catapult[®] is a mid-late maturing variety. Yield potential is highest sown late April to early May but has shown good flexibility maintaining similar yield potential to Scepter[®] when sown or emerging later in May. Catapult[®] has tolerance to acid soils, produces large and consistent grain size, resulting in low screenings and high TWT. AGT.</p>	Quality classification			
	Northern	FEED	South-eastern	AH
	Disease resistances			
	Stripe rust	MR ^(P)	Yellow leaf spot	MR-MS ^(P)
	Leaf rust	S ^(P- provisional)	Crown rot	-
	Stem rust	MR ^(P)	RLN (<i>P. thornei</i>)	-

DS Bennett[®]

<p>DS Bennett[®] is a high yielding winter wheat, with photoperiod sensitivity, which generally flowers 7–10 days later than EGA_Wedgetail[®]. The sowing window for DS Bennett[®] is from mid March until early May. Suited to both grazing and grain production, or straight grain production. DS Bennett[®] is a tall, awnless wheat suited to the high and medium rainfall zones of NSW. Dow Seeds.</p>	Quality classification			
	Northern	FEED	South-eastern	ASW
	Disease resistances			
	Stripe rust	R	Yellow leaf spot	MR-MS
	Leaf rust	S	Crown rot	VS
	Stem rust	MR-MS	RLN (<i>P. thornei</i>)	MS-S



LongReach Mustang[®]

A high yielding variety suited to NSW and QLD, with a reliable grain package similar to other prime hard main season varieties. Compact canopy with good straw strength maximises harvest efficiency and ease of stubble management. Good foliar disease resistance and useful root disease package. Maturity similar to LRPB Spitfire [®] with a significant yield improvement over other quicker prime hard varieties. Pacific Seeds.	Quality classification			
	Northern	APH	South-eastern	APH
	Disease resistances			
	Stripe rust	R-MR	Yellow leaf spot	MS-S
	Leaf rust	S	Crown rot	MS-S
	Stem rust	MR-MS	RLN (<i>P. thornei</i>)	MS-S

LongReach Oryx[®](LPB12-0152) **NEW**

Early-mid maturing variety, marginally quicker to mature than LRPB Impala [®] , suited to main season planting in dryland and supplementary irrigation soft wheat systems. LRPB Oryx [®] has demonstrated reduced canopy heights over its parent LRPB Impala [®] , improving harvest efficiencies and stubble management for growers. Improved leaf rust resistance over LRPB Impala [®] . Good soft wheat grain package with low screenings, low protein accumulation and good test weight. Pacific Seeds.	Quality classification			
	Northern	ASFT	South-eastern	ASFT
	Disease resistances			
	Stripe rust	R-MR	Yellow leaf spot	MS-S
	Leaf rust	MR	Crown rot	MS-S
	Stem rust	Mr	RLN (<i>P. thornei</i>)	MS-S

Razor CL Plus[®]

High yielding early maturity variety tolerant to Clearfield® Intervix® herbicide, slightly quicker than its parent Mace [®] , similar in maturity to Corack [®] . Check current herbicide registrations for registered product rates and adhere to recommended plant growth stages for application timing. Good physical grain package, with low screenings and high test weight. AGT.	Quality classification			
	Northern	FEED	South-eastern	ASW
	Disease resistances			
	Stripe rust	MS	Yellow leaf spot	MS
	Leaf rust	S	Crown rot	S
	Stem rust	MR-MS	RLN (<i>P. thornei</i>)	MR-MS

Rockstar[®] (IGW4341) **NEW**

Rockstar [®] is a mid-late flowering variety, with a similar flowering time to LRPB Tojan [®] . It has a good grain size, good test weight and has a moderate plant height, reducing stubble loads in high yielding environments. Limited testing in NSW. Bred and marketed by InterGrain.	Quality classification			
	Northern	-	South-eastern	-
	Disease resistances			
	Stripe rust	MRMS ^(P)	Yellow leaf spot	MRMS ^(P)
	Leaf rust	S ^(P)	Crown rot	-
	Stem rust	MR ^(P)	RLN (<i>P. thornei</i>)	-

Durum wheat varieties

Westcourt[®](AGT090) ^{NEW}

Westcourt [®] is a main season variety similar in maturity to Caparoi [®] . Westcourt [®] exhibits very high yield potential in the northern region across diverse environments. Westcourt [®] has very good grain quality attributes including low screenings losses, high TWT and excellent semolina colour. AGT.	Quality classification			
	Northern	ADR	South-eastern	ADR
	Disease resistances			
	Stripe rust	R-MR ^(P)	Yellow leaf spot	MR-MS ^(P)
	Leaf rust	R-MR ^(P)	Crown rot	-
	Stem rust	R-MR ^(P)	RLN (<i>P. thornei</i>)	-

Feed wheat varieties

Longsword[®]

Longsword [®] is a winter type and requires vernalisation as with other winter wheats. It has Mace [®] as a parent and is relatively quick to mature once vernalisation requirements have been met. The quicker maturity makes it suitable for low-medium rainfall environments in which traditional longer season winter wheats would not normally be grown. Most suited to April sowings and can be grazed, given its winter growth habit. Good physical grain package with low screenings and high test weights. AGT.	Quality classification			
	Northern	FEED	South-eastern	FEED
	Disease resistances			
	Stripe rust	R-MR	Yellow leaf spot	MR-MS
	Leaf rust	MS-S	Crown rot	S
	Stem rust	MR	RLN (<i>P. thornei</i>)	MR

RGT Zanzibar

Red winter wheat, feed grain quality, suited to the medium-high rainfall zone. Suitable for sowing late April to early May. Maturity is similar to EGA_Gregory [®] . Good standability. Under evaluation for grazing suitability. Bred by RAGT, available via Seed Force Broadacre Commercial Partners.	Quality classification			
	Northern	FEED	South-eastern	FEED
	Disease resistances			
	Stripe rust	R	Yellow leaf spot	MS
	Leaf rust	S-VS	Crown rot	S
	Stem rust	VS	RLN (<i>P. thornei</i>)	MS ^(P)

More information

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Published by the Department of Primary Industries.

(Cont.) Summary of across sites analysis yield data 2014–2018**Durum wheat**

Variety	Yearly group mean					Regional mean	Number of trials
	2014	2015	2016	2017	2018		
North-eastern							
% Caparoi (t/ha)	3.23	3.53	5.18	2.89	2.09	3.52	
Caparoi	100	100	100	100	100	100	13
DBA Aurora	110	104	107	112	111	108	13
DBA Bindaroi	104	101	100	107	104	103	13
DBA Lillaroi	97	106	97	108	100	101	13
DBA Vittaroi	–	106	99	98	96	99	10
EGA Bellaroi	90	93	97	79	88	92	13
Jandaroi	92	104	94	101	94	97	13
Westcourt	–	–	–	–	109	103	2
North-western							
% Caparoi (t/ha)	1.49	2.75	4.43	1.77	–	2.60	
Caparoi	100	100	100	100	–	100	11
DBA Aurora	106	104	112	115	–	110	11
DBA Bindaroi	107	103	101	107	–	103	11
DBA Lillaroi	102	103	94	106	–	99	11
DBA Vittaroi	–	98	97	97	–	96	8
EGA Bellaroi	85	92	96	79	–	90	11
Jandaroi	98	100	89	98	–	94	11
Westcourt	–	–	–	–	–	–	–
South-western (irrigated trials included)							
% Caparoi (t/ha)	4.34	3.48	4.90	–	4.10	3.95	
Caparoi	100	100	100	–	100	100	12
DBA Aurora	109	108	111	–	106	109	12
DBA Bindaroi	101	100	101	–	101	101	12
DBA Lillaroi	98	101	93	–	97	97	12
DBA Vittaroi	–	104	96	–	98	99	9
EGA Bellaroi	95	95	97	–	97	96	12
Jandaroi	94	97	88	–	94	93	12
Westcourt	–	–	–	–	108	107	2

(Cont.) Summary of across sites analysis yield data 2014–2018



Southern early season wheat

Variety	Yearly group mean					Regional mean	Number of trials
	2014	2015	2016	2017	2018		
South-eastern							
% EGA_Gregory (t/ha)	3.37	4.86	5.65	4.65	2.73	4.51	
Catapult	–	–	–	–	118	116	2
Coolah	110	105	111	108	109	109	21
Cutlass	–	105	114	108	111	110	16
DS Bennett	–	–	120	112	109	111	10
DS Faraday	–	102	100	101	100	101	16
DS Pascal	107	91	111	100	105	103	21
EGA_Gregory	100	100	100	100	100	100	21
EGA_Wedgetail	96	91	106	97	97	98	21
Illabo	–	–	111	101	103	106	10
Kiora	108	97	109	101	105	104	21
Longsword	–	–	108	102	103	107	10
LRPB Flanker	105	105	105	106	105	105	21
LRPB Gauntlet	104	101	97	94	99	99	21
LRPB Gazelle	103	87	109	–	–	100	17
LRPB Kittyhawk	–	90	104	95	96	97	16
LRPB Lancer	109	102	104	99	104	104	21
LRPB Nighthawk	–	–	–	–	105	104	2
LRPB Trojan	117	110	113	110	113	112	21
RGT Zanzibar	–	–	123	116	114	116	10
Sunlamb	–	94	104	98	96	98	16
Sunmax	–	96	109	105	–	103	14
Suntime	102	96	103	97	100	100	21
South-western (includes irrigated trials)							
% EGA_Gregory (t/ha)	4.20	3.59	5.10	4.87	6.61	4.54	
Catapult	–	–	–	–	113	118	2
Coolah	107	108	113	107	106	109	26
Cutlass	–	110	117	108	107	111	19
DS Bennett	–	–	125	102	99	106	12
DS Faraday	–	101	101	100	101	100	19
DS Pascal	105	100	116	103	99	106	21
EGA_Gregory	100	100	100	100	100	100	26
EGA_Wedgetail	93	89	110	95	93	97	26
Illabo	–	–	118	99	101	104	12
Kiora	104	103	112	103	102	106	26
Longsword	–	–	115	99	104	105	12
LRPB Flanker	103	105	105	104	104	104	26
LRPB Gauntlet	101	103	100	99	–	101	24
LRPB Gazelle	106	97	111	–	–	104	21
LRPB Kittyhawk	–	89	109	94	93	97	19
LRPB Lancer	105	106	108	103	105	106	26
LRPB Nighthawk	–	–	–	–	98	104	2
LRPB Trojan	110	115	116	109	111	113	26
RGT Zanzibar	–	–	130	107	106	113	12
Sunlamb	–	89	106	94	93	96	19
Sunmax	–	97	110	102	–	102	17
Suntime	101	99	105	100	99	101	26

(Cont.) Summary of across sites analysis yield data 2014–2018



North-western main season wheat

Variety	Yearly group mean					Regional mean	Number of trials
	2014	2015	2016	2017	2018		
North-western							
% EGA_Gregory (t/ha)	3.65	3.25	5.04	1.85	1.80	3.39	
Beckom	–	112	104	117	100	107	23
Condo	104	110	100	114	92	104	29
Coolah	–	–	107	110	103	104	17
DS Faraday	–	103	–	102	101	102	15
EGA_Gregory	100	100	100	100	100	100	29
Elmore CL Plus	98	99	101	107	101	100	29
LRPB Crusader	97	101	92	96	87	95	29
LRPB Dart	92	96	91	99	87	93	29
LRPB Flanker	105	106	105	107	103	105	29
LRPB Gauntlet	97	100	95	98	94	97	29
LRPB Hellfire	–	–	–	–	101	107	3
LRPB Impala	101	100	107	111	104	104	29
LRPB Mustang	–	–	100	118	99	106	17
LRPB Oryx	–	–	105	109	–	104	14
LRPB Reliant	107	115	101	115	99	107	29
LRPB Spitfire	95	98	93	101	87	95	29
Mitch	–	99	110	111	100	106	23
Scepter	–	–	–	122	104	114	9
Sunchaser	–	–	–	–	97	106	3
Sunguard	98	100	98	–	–	99	20
Sunmate	100	105	–	116	91	102	21
Sunprime	–	–	–	115	98	103	9
Suntop	102	106	102	113	93	103	29

(Cont.) Summary of across sites analysis yield data 2014–2018



South-western main season wheat

Variety	Yearly group mean					Regional mean	Number of trials
	2014	2015	2016	2017	2018		
South-west (includes irrigated trials)							
% EGA_Gregory (t/ha)	4.05	3.14	5.05	4.53	4.32	4.16	
Beckom	113	121	112	110	108	113	28
Condo	109	116	105	100	104	107	28
Coolah	–	–	105	105	103	107	14
Corack	110	118	103	104	107	108	28
DS Faraday	–	104	–	100	101	102	14
DS Tull	–	–	104	100	100	104	14
EGA_Gregory	100	100	100	100	100	100	28
Elmore CL Plus	103	106	103	99	100	103	28
Emu Rock	104	113	99	101	104	104	28
Grenade CL Plus	100	104	95	97	100	99	28
LRPB Cobra	113	121	113	106	104	112	28
LRPB Crusader	95	104	93	93	–	96	24
LRPB Dart	97	109	91	–	–	97	21
LRPB Flanker	105	105	107	103	101	105	28
LRPB Gauntlet	101	107	96	99	–	100	24
LRPB Hellfire	–	–	–	–	102	105	4
LRPB Impala	105	106	103	102	102	104	28
LRPB Mustang	–	–	103	101	104	106	14
LRPB Oryx	–	110	107	102	102	107	14
LRPB Reliant	102	101	95	98	101	99	28
LRPB Spitfire	100	108	95	97	100	100	28
LRPB Trojan	111	117	112	106	105	111	28
Mace	111	120	101	104	106	108	28
Razor CL PLUS	–	–	–	102	105	105	7
Scepter	–	123	109	111	109	114	21
Sunchaser	–	–	–	–	105	109	4
Sunguard	100	105	100	96	–	100	24
Sunmate	109	112	–	–	–	104	14
Sunprime	–	–	–	102	104	106	7
Suntop	108	114	99	104	103	105	28
Vixen	–	–	–	109	109	112	7

Topstart (SMBA12-1361) ^{NEW}

Medium-long season variety; maturity similar to Commander[®] and three days earlier than Oxford; 10–15 cm taller than Baudin[®], with good straw quality and tolerance to lodging. Good test weight and low screenings. Developed by Edstar Genetics in Australia. Commercialised by Elders.

Summary of across sites analysis yield data 2014–2018

Data is sourced from the National Variety Trials, additional grain yield information on varieties is available from the National Variety Trial website (www.acasvnt.com.au). The table presents NVT 'Production Value' MET data on a yearly regional mean and regional mean basis.

**Northern NSW**

Variety	Yearly group mean					Regional mean	Number of trials
	2014	2015	2016	2017	2018		
North-eastern							
% Hindmarsh (t/ha)	3.00	3.96	4.78	3.66	2.25	3.47	
Banks	–	93	94	96	112	96	9
Biere	–	98	92	84	96	93	9
Bottler	–	–	100	89	115	96	7
Buff	–	–	99	–	–	94	3
Commander	92	93	87	87	112	93	12
Compass	104	106	95	107	110	103	12
Fathom	105	105	101	103	99	103	12
GrangeR	87	89	97	–	–	94	8
Hindmarsh	100	100	100	100	100	100	12
La Trobe	98	99	100	100	100	99	12
Leabrook	101	105	101	104	118	105	9
RGT Planet	–	–	112	93	118	103	7
Rosalind	105	107	110	104	107	107	12
Spartacus CL	99	102	104	98	95	101	12
Topstart	–	80	98	70	114	91	9
North-western							
% Hindmarsh (t/ha)	3.53	3.79	4.21	2.14	2.58	3.37	
Banks	–	96	92	100	109	97	15
Biere	–	97	88	84	94	91	15
Bottler	–	–	93	95	108	96	10
Buff	–	–	93	–	–	93	4
Commander	100	96	86	97	112	96	19
Compass	102	106	95	108	112	103	19
Fathom	102	104	101	102	101	102	19
GrangeR	98	92	92	89	105	95	19
Hindmarsh	100	100	100	100	100	100	19
La Trobe	98	99	99	99	99	99	19
Leabrook	101	106	96	107	117	104	15
RGT Planet	–	–	104	101	109	101	10
Rosalind	103	105	106	104	105	105	19
Spartacus CL	95	100	101	93	93	98	19
Topstart	95	86	91	85	104	91	19

Oats – newer varieties for 2020

20 September 2019

The following is a list of newer oat varieties; the information has been collated from information provided by the SARDI National Oat Breeding Program and seed companies. This information will be updated for the 2020 *Winter crop variety sowing guide*.

Growers should be aware that stem and leaf rust diseases now have regionally-based pathotypes, so variety reactions to a disease might vary depending on region. Growers should monitor crops carefully and consider using fungicides where warranted.

* All classifications/ratings are preliminary and subject to final review.

Milling grain varieties

Bilby[Ⓢ](06204-16) ^{NEW}

A new release in 2019 from the SARDI National Oat Breeding Program. Bilby[Ⓢ] is a dwarf, early-mid season potential milling oat. Plant height is similar to Mitika[Ⓢ] and it is three days later to head emergence. Grain yield is similar to Bannister[Ⓢ] in NSW, but with improved grain quality. Bilby[Ⓢ] has low screenings and high groat percent compared to Williams[Ⓢ] and Bannister[Ⓢ]. It has lower hectolitre weight and slightly higher screenings compared to Mitika[Ⓢ] and Kowari[Ⓢ]. Protein is similar to Mitika[Ⓢ] and Kowari[Ⓢ] and grain size is similar to Mitika[Ⓢ] and bigger than Kowari[Ⓢ], Bannister[Ⓢ] or Williams[Ⓢ]. Bilby[Ⓢ] has high β -glucan and lower oil than other dwarf varieties with bright grain. Bilby[Ⓢ] has improved *Barley yellow dwarf virus* resistance compared to other dwarf varieties rated moderately susceptible to susceptible. Bilby[Ⓢ] is moderately susceptible to susceptible to stem rust, resistant to southern leaf rust pathotypes, and moderately susceptible to susceptible to septoria. High hull lignin oat variety. Heritage Seeds.

Durack[Ⓢ]

Durack[Ⓢ] is a moderately tall variety, similar in height to Yallara[Ⓢ]. Durack[Ⓢ] is the earliest maturing oat variety of any of the current milling varieties available. It is approximately 7–10 days earlier than Mitika[Ⓢ]. Durack[Ⓢ] is susceptible to the stem rust pathotypes found in southern Australia. Leaf rust resistance is variable depending on the pathotype present, rated from susceptible to resistant. A fungicide program should be considered in areas prone to oat rust diseases. Durack[Ⓢ] has performed well in the shorter season environments of southern and central NSW yielding similar to Yallara[Ⓢ]. Grain quality for Durack[Ⓢ] is good, with improved hectolitre weight compared to all current grain varieties. Screenings are low and similar to Yallara[Ⓢ]. Protein is similar to Mitika[Ⓢ] and higher than Bannister[Ⓢ], Williams[Ⓢ] and Yallara[Ⓢ]. Groat percent is similar to Mitika[Ⓢ] and an improvement compared with Williams[Ⓢ] and Bannister[Ⓢ]. High hull lignin oat variety. Heritage Seeds.

Kowari[Ⓢ] ^{NEW}

Released in 2017 from the SARDI National Oat Breeding Program, it is a new potential milling oat variety with dwarf stature, slightly taller than Mitika[Ⓢ]. It has a maturity similar to Mitika[Ⓢ]. The grain quality is excellent. Kowari[Ⓢ] has a slightly lower hectolitre weight than Mitika[Ⓢ], similar 1000 grain weight when compared with Mitika[Ⓢ]. It combines high beta-glucan with low screenings. Kowari[Ⓢ] has high grain protein and a slightly higher groat percent compared with Mitika[Ⓢ]. Kowari[Ⓢ] has a response, similar to Mitika[Ⓢ] for stem rust and improved leaf rust resistance. Like Mitika[Ⓢ], it has low hull lignin. Heritage Seeds.