

F – WHEAT VARIETY UPDATE

NOTES ON NEWER RELEASES AND NUMBERED LINES

LPB18-7946 appears in Hart’s winter and awnless wheat time of sowing trial. It is an awnless Scout type variety, likely to be released with AH classification. Hay quality of LPB18-7946 is similar to Mulgara.

LPB18-7982 is derived from a Scout and Yitpi cross. This awnless variety is showing maturity and phenology traits similar to Scepter. LPB18-7982 could be suitable for release soon with yields expected to be greater than LPB18-7946. This variety appears in Hart’s winter and awnless wheat time of sowing trial.

Hammer CL Plus⁽¹⁾ (OAGT0016) will be an imidazolinone herbicide tolerant (Clearfield[®]) variety. It is a Mace type with similar maturity and yield. Hammer CL Plus has AH classification in the Southern Zone with low screenings and high test weight.

Ballista⁽¹⁾ (RAC2598) Is a high yielding variety with maturity similar to Corack. It is earlier than Mace but longer than Vixen with CCN resistance comparable to Scepter and Mace. Evaluation of Ballista in 2019 has shown improved yield over Scepter and has AH quality classification.

Denison⁽¹⁾ (WAGT734) appears in Hart’s winter and awnless wheat time of sowing trial. Denison is an early sowing spring Mace cross with maturity similar to Pascal, maturing earlier than Longwood and later than Catapult. Expected AH classification in Southern Zone SA/Vic.

Catapult⁽¹⁾ (RAC2484) was released by AGT in August 2019 and may be viewed as a longer season Scepter, with a mid-late maturity allowing growers to achieve Scepter-like yields when sown

in late April. Catapult offers a unique combination of features to growers, combining this maturity type with yellow leaf spot resistance, CCN resistance and AH quality (in SA/Vic/sNSW). Seed available for the 2020 growing season.

Devil⁽¹⁾ is a high yielding, early-mid maturing wheat with similar phenology to Mace, distinctly earlier than Scepter. Devil was released by InterGrain in 2018 and has an AH and APWN classification. Devil offers strong yellow spot resistance (MRMS) and good stripe rust (MR) resistance.

LRPB Nighthawk⁽¹⁾ is a slow maturing spring wheat with a unique set of maturity holds that allows planting in earlier systems that don’t suit traditional winter wheat types. It has demonstrated high yields throughout the April sowing window across early sowing and time of seeding trials. High tiller number and semi prostrate early growth habit that becomes more erect than the traditional winter types in early spring with medium tall in height and good standability. LRPB Nighthawk has APW Classification in the Southern Zone for SA/Vic.

Razor CL Plus⁽¹⁾ is an imidazolinone herbicide tolerant (Clearfield[®] Plus) ASW wheat released by AGT. Razor CL Plus is an early developing variety slightly quicker than Mace. The long-term performance of Razor CL Plus suggests it is the highest yielding Clearfield variety and on average is 3% higher than Mace. Razor CL Plus is rated S to leaf rust, MRMS to stem and MS to stripe rust, MSS to yellow leaf spot, and MR to CCN.

RockStar⁽¹⁾ (IGW4341) is an exceptionally high-yielding, mid-late flowering AH variety. It has a similar flowering time to Trojan. RockStar provides exceptional yields and sets a new yield benchmark for this flowering class. It offers very good powdery mildew (Rp), yellow spot (MRMSp) and stripe rust (MRMSp) resistance. RockStar is well suited to earlier sowing opportunities, performing best in longer growing seasons. It has a good grain

size, good test weight and has a moderate plant height, similar to Mace. RockStar is available for planting in 2020 from local resellers and Seedclub members.

Sheriff CL Plus[Ⓛ] is an imidazolinone herbicide tolerant (Clearfield® Plus) APW wheat released by Intergrain in 2018. Sheriff CL Plus is a mid – late developing variety similar to Trojan in developmental speed and can be sown slightly earlier than the other Clearfield options. The long-term performance of Sherriff CL Plus suggests it yields similar to Mace. Sheriff CL Plus is rated SVS to leaf rust, MSS to stem and stripe rust, MRMS to yellow leaf spot, and MS to CCN.

Vixen[Ⓛ] is an early – mid season variety that develops slightly quicker than Scepter. Vixen was

released by InterGrain in 2018 and has an AH Classification in SA. Vixen has not been widely evaluated in some regions for more than one year. Long term data suggested performance is similar to Scepter, however it performed slightly above Scepter in 2016 evaluation. Vixen is rated SVS to leaf rust, MRMS to stem and stripe rust, MRMS to yellow leaf spot, and MSS to CCN.

LPB15-2485 is a higher tillering Trojan type with slightly later maturity and stronger maturity holds that suits the front end of the main season planting window and has shown stable yields across a wide range of sowing times. Premium quality classification is expected for this line as it has shown excellent data over a number of years. Good agronomy with medium height canopy with erect growth habit and solid disease package.

Table 1. Wheat variety performance at Hart by year (expressed as % of trial average).

Quality	Variety	% of trial average					Grain yield (t/ha)
		2015	2016	2017	2018	2019	2019
AH	Arrow	105	98	103	102	90	1.36
	Beckom			112	104	110	1.65
	Catapult (RAC2484)					97	1.46
	Cobra	104	105	100	96	99	1.49
	Cosmick	105	101	97	98	105	1.58
	Devil					104	1.56
	Emu Rock	100	99	98	104	104	1.57
	Grenade CLPlus	102	96	95	110	93	1.40
	Hatchet CLPlus	51	88	86	106		
	Havoc			97	85	96	1.44
	Kord CLPlus	97	90	97	100	91	1.37
	Mace	100	94	102	95	95	1.43
	Rockstar (IGW4341)					104	1.56
	Scepter	110	106	111	113	106	1.59
	Scout	110	103	107	107	107	1.61
Vixen					111	1.67	
APW	Corack	95	96	86	86		
	Chief CL Plus				87	85	1.27
	Cutlass	104	119	104	117	98	1.47
	DS Pascal			90	86		
	Estoc	104	108	96	100		
	Sheriff CL Plus					96	1.44
	Trojan	113	121	113	106	102	1.53
ASW	Razor CLPlus			103	104	109	1.64
Unclass	LPB15-2485					98	1.47
Trial mean yield (t/ha)		4.27	3.87	3.83	2.13	1.50	
Sowing date		May 6	May 10	May 8	May 14	May 15	
Apr-Oct rain (mm)		230	356	191	160	162	
Annual rain (mm)		353	485	331	224	189	

Awnless and winter wheat variety trial plan

Buffer	Buffer	Buffer
TOS_1_Orion	TOS_1_DS Bennett	TOS_1_Catapult
TOS_1_Nighthawk	TOS_1_LPB18-7982	TOS_1_Denison
TOS_1_Scepter	TOS_1_LPB18-7946	TOS_1_Illabo
Buffer	Buffer	Buffer
TOS_2_LPB18-7982	TOS_2_LPB18-7982	TOS_2_Illabo
TOS_2_Orion	TOS_2_LPB18-7946	TOS_2_Denison
TOS_2_Scepter	TOS_2_Nighthawk	TOS_2_DS Bennett
TOS_2_Nighthawk	TOS_2_LPB18-7982	TOS_2_Orion
TOS_2_Illabo	TOS_2_Catapult	TOS_2_Scepter
TOS_2_DS Bennett	TOS_2_Denison	TOS_2_LPB18-7946
Buffer	Buffer	Buffer
TOS_1_Catapult	TOS_1_LPB18-7982	TOS_1_DS Bennett
TOS_1_Orion	TOS_1_Denison	TOS_1_Scepter
TOS_1_LPB18-7946	TOS_1_Illabo	TOS_1_Nighthawk
TOS_1_Denison	TOS_1_Nighthawk	TOS_1_Illabo
TOS_1_Scepter	TOS_1_LPB18-7946	TOS_1_Catapult
TOS_1_LPB18-7982	TOS_1_Orion	TOS_1_DS Bennett
Buffer	Buffer	Buffer
TOS_2_DS Bennett	TOS_2_LPB18-7982	TOS_2_Nighthawk
TOS_2_Scepter	TOS_2_Catapult	TOS_2_LPB18-7946
TOS_2_Denison	TOS_2_Orion	TOS_2_Illabo
Buffer	Buffer	Buffer

N → **Seeding date:** TOS 1: 20 April, TOS 2: 6 May
Fertiliser: DAP
Fertiliser rate: 80 kg/ha

Wheat variety trial plan

Buffer	Buffer	Buffer
Razor CL Plus	Grenade CL	Catapult
Ballista	Mace	Devil
Vixen	Rockstar	Emu Rock
Hammer CL Plus	Sheriff CL Plus	Nighthawk
Cutlass	Trojan	Chief CL Plus
Scout	Scepter	LPB15-2485
Trojan	Devil	Scepter
Chief CL Plus	Catapult	Cutlass
RockStar	Nighthawk	Ballista
LPB15-2485	Emu Rock	Mace
Grenade CL	Razor CL Plus	Scout
Sheriff CL Plus	Hammer CL Plus	Vixen
Nighthawk	Chief CL Plus	Sheriff CL Plus
Scepter	Vixen	Trojan
Mace	LPB15-2485	Hammer CL Plus
Emu Rock	Scout	Grenade CL
Catapult	Cutlass	RockStar
Devil	Ballista	Razor CL Plus
Buffer	Buffer	Buffer

N →

Seeding date: 6 May
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Fertiliser rate: 80 kg/ha