

NEW RAGT Wheat for WA

RGT Marsh



ragt.au

RGT Marsh

(H16Q3x0336.SCI-097D)

New spring wheat suited to main season sowing

Wide adaptation across all Agzones in WA

MET yields are ahead of Scepter, Calibre, Mace.

Solid disease resistance

Looks very similar in head shape and plant structure to the key competitors

Flowering phenology- similar to Scepter

Upward facing leaves

Key competitors

Scepter



LRPB Vortex



Key competitors

Vixen



Shotgun



Kellerberrin NVT 2024

Single Site Single Site Yield	Wed Feb 19 2025 14:18:44 GMT+0800 (Australian Western Standard Time)						
Year	Crop	State	Region	Town			
2005 - 2024	Main Season	WA	Agzone4	Kellerberrin			
Trial	WMaA24KELL6						
Variety / Units	tonnes/ha						
RGT Marsh	3.25	a					
Rottnest	3.19	a					
Calibre	3.10	a					
Shotgun	3.04	a					
Vixen	3.03	a					
Tomahawk CL Plus	3.02	a					
LRPB Vortex	2.95	b					
Mace	2.88	b					
Scepter	2.83	b					
Site Mean (t/ha)	2.9						
CV (%)	3.82						
Probability	<0.001						
LSD (t/ha)	0.25						
AnalysisDate	21-Nov-24						
Sowing Date / Germination	7-May-24						

Variety	Trial	WMaA24KELL6
Units	tonnes/ha	
^ / v	^ / v	
Calibre		3.10
H16Q3x0336.SCI-097D		3.25
LRPB Vortex		2.95
Mace		2.88
Rottnest		3.19
Scepter		2.83
Shotgun		3.04
Tomahawk CL Plus		3.02
Vixen		3.03

Liebe Group Site Buntine NVT – Brian McAlpine 2024

Single Site Single Site Yield	Thu Feb 20 2025 09:01:33 GMT+0800 (Australian Western Standard Time)				
Year	Crop	State	Region	Town	
2005 - 2024	Main Season Wheat	WA		Buntine	
Trial	WMaA24BUNT6				
Variety / Units	tonnes/ha				
RGT Marsh	5.70	a	High degree of flag smut in this trial, and according to Dion Nicol 097-D has very good resistance		
Brumby	5.41	a			
Rottnest	5.39	a			
Scepter	5.04	b			
Shotgun	5.03	b			
Mace	4.97	b			
Calibre	4.92	b			
Tomahawk CL Plus	4.82	b			
LRPB Vortex	4.80	b			
Vixen	4.00	b			
LRPB Anvil CL Plus	3.89	b			
Site Mean (t/ha)	4.78				
CV (%)	5.98				
Probability	<0.001				
LSD (t/ha)	0.5				
AnalysisDate	3-Dec-24				
Date Seed In Ground	-				
Sowing Date / Germination Rain Date	7-May-24				

Year 2024 / Crop Main Season Wheat / State WA / Town Buntine

Variety	Trial	WMaA24BUNT6
Units		tonnes/ha
Brumby		5.41
H16Q3x0336.SCI-097D		5.70
Rottnest		5.39
Scepter		5.04
Shotgun		5.03
Calibre		4.92
LRPB Vortex		4.80
Mace		4.97
Tomahawk CL Plus		4.82
Vixen		4.00
LRPB Anvil CL Plus		3.89

Mullewa NVT - 2024

Single Site Single Site Yield	Thu Feb 20 2025 07:49:32 GMT+0800 (Australian Western Standard Time)				
Year	Crop	State	Region	Town	
2005 - 2024	Main Season Wheat	WA		Mullewa	
Trial	WMaA24MULL6				
Variety	tonnes/ha				
LRPB Anvil CL Plus	3.13	a			
RGT Marsh	2.98	a			
Vixen	2.94	a			
Scepter	2.9	a			
Calibre	2.79	a			
LRPB Vortex	2.78	a			
Tomahawk CL Plus	2.72	a			
Mace	2.71	a			
Brumby	2.33	b			
RockStar	2.33	b			
Rottnest	2.27	b			
Shotgun	2.25	b			
Site Mean (t/ha)	2.47				
CV (%)	7.5				
Probability	<0.001				
LSD (t/ha)	0.32				
AnalysisDate	13-Nov-24				
Date Seed In Ground	30-Apr-24				
Sowing Date / Germination Rain Date	1-Jun-24				

Year 2024 / Crop Main Season Wheat / State WA / Town Mullewa

Variety	Trial	WMaA24MULL6
Units		tonnes/ha
	^ / v	^ / v
Brumby		2.33
Calibre		2.79
H16Q3x0336.SCI-097D		2.98
LRPB Anvil CL Plus		3.13
LRPB Vortex		2.78
Mace		2.71
RockStar		2.33
Rottnest		2.27
Scepter		2.90
Shotgun		2.25
Tomahawk CL Plus		2.72
Vixen		2.94

Narembreen NVT - 2024

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Single Site Single Site Yield	Thu Feb 20 2025 09:18:44 GMT+0800 (Australian Western Standard Time)					
Year	Crop	State	Region	Town		
2005 - 2024	Main Season Wheat	WA		Narembreen		
Trial	WMaA24NARE6					
Variety / Units	tonnes/ha					
LRPB Havoc	3.73	a				
Tomahawk CL Plus	3.64	a				
RGT Marsh	3.61	a				
Rottnest	3.60	a				
Vixen	3.59	a				
Calibre	3.58	a				
Shotgun	3.57	a				
Scepter	3.55	a				
RockStar	3.53	a				
Brumby	3.48	a				
LRPB Vortex	3.44	a				
LRPB Anvil CL Plus	3.36	b				
Mace	3.30	b				
Site Mean (t/ha)	3.31					
CV (%)	3.6					
Probability	<0.001					
LSD (t/ha)	0.21					
AnalysisDate	22-Nov-24					
Date Seed In Ground	-					
Sowing Date / Germination Rain Date	7-May-24					

Sown earlier –May 7

Significantly ahead of Mace,
AnvilCL

Not significantly different from
TomahawkCL and Havoc

Basically same as:

- Rottnest
- Vixen
- Calibre
- Shotgun

York WA 2024 – Living Farm

Sowing Date 07/05/2024

Seeding Rate 180 plants/m²

Nutrition

Pre: 130kg/ha Macro Pro, 100 kg/ha Urea

Post: 140 L/ha Flexi-N (27/06/2024)

100 L/ha Flexi-N (31/07/2024)

Total Fertiliser applied

N = 12 + 46 + 76.8 = 135N

P = 16

K = 15

S = 12

Pesticides Applied

Pre-sow 118 g/ha Sakura, 2 L/ha Trifluralin, 200 mL/ha Voraxor, 1 L/ha Chlorpyrifos, 100 mL/ha Bifenthrin

Post sow 1 L/ha Velocity, 2.5 L/ha Boxer Gold,

York WA 2024 – Living Farm

Table 1: York ENVY-T Wheat 2024

Commercial checks							
Grade	Variety	Yield (t/ha)	% of Site Mean (6.22 t/ha)	Protein (%)	H/Weight (kg/hL)	Screenings (%)	Significant Difference
AH/APW	RGT Marsh	6.46	107%	11.3	76.7	2	a
APW	APW LPB18-3055 (Vortex)	6.45	106%	10.9	75.6	4	a
AH	Vixen (N)	6.38	105%	13	70.7	2.7	a
AH	Calibre	6.25	103%	11.1	76.4	2.2	a
ANW	Firefly	6.05	100%	12.2	72.7	7.7	a
AH	Scepter (180 plants/m2)	6.03	100%	11.9	73.8	3.8	a
AH	Scepter (240 plants/m2)	5.97	99%	11.8	73	4.9	a
AH	Hammer CL Plus	5.93	98%	11.9	75.4	4.9	a
AH	Devil (N)	5.80	96%	11.8	74.7	3.8	b
AH	Rockstar (N)	5.69	94%	11.9	72.1	5.9	b
ANW	Ninja	5.67	94%	12.4	74.8	3.8	b
	F Prob	0.973		0.964	0.779	0.876	
	LSD	0.61		0.901	2.997	2.32	
	CV%	5.95		4.66	2.45	30.83	
	Grand Mean	6.22	6.06	11.23	74.32	4.56	

Disease Ratings vs key competitors

				Resistances and tolerances					
			Leaf	Stem	Stripe Rust	Powdery	Glume Blotch	Leaf Blotch	Yellow Leaf
Variety	Origin	Year of release	Rust	Rust	(2024 WA)	Mildew	<i>S Nodorum</i>	<i>S Nodorum</i>	Spot (YLS)
Mace	Australian Grain Technologies Pty Ltd	2008	S	MRMS	RMR	MSS	MS	MS	MRMS
Scepter	Australian Grain Technologies Pty Ltd	2015	MSS	MRMS	RMR	S	MSS	MRMS	MRMS
LRPB Havoc	LongReach Plant Breeders Pty Ltd	2017	S	S	MR	MS	MS	MS	MRMS
Vixen	Intergrain Pty Ltd	2018	SVS	MRMS	MRMS	SVS	MSS	MS	MRMS
RockStar	Intergrain Pty Ltd	2019	S	MRMS	RMR	MSS	MRMS	MRMS	MRMS
Calibre	Australian Grain Technologies Pty Ltd	2021	S	MR	RMR	MSS	MSS	MSS	MRMS
Brumby	Intergrain Pty Ltd	2022	SVS	MR	RMR	R	MS	MRMS	MRMS
Tomahawk CL Plus	Australian Grain Technologies Pty Ltd	2023	S	MR	RMR	S (P)	S (P)	MRMS (P)	MRMS
LRPB Vortex	LongReach Plant Breeders Pty Ltd	2024	SVS	MRMS	RMR	MRMS (P)	MSS (P)	MRMS (P)	MRMS
Shotgun	Australian Grain Technologies Pty Ltd	2024	MSS (P)	MRMS (P)	RMR (P)	MSS	MSS	MRMS	MRMS (P)
RGT Marsh	RAGT	2025	MSS	MRMS	RMR	S	MRMS (P)	MRMS (P)	MSS

WA Grain classification – targeting AH

- RAGT testing material now in Longerenong labs to ascertain grade prior to submission
- Submit to Grains Aust soon and expect to have a final classification by Aug 28 2025
- Anticipate AH to APW range
- Release Spring 2025- will be named RGT Marsh

For further information

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