

SEPWA Barley Variety Trials - Head Loss - Halcyon Downs (Fels) - Neridup

Head Loss counts taken 17th November, 2020

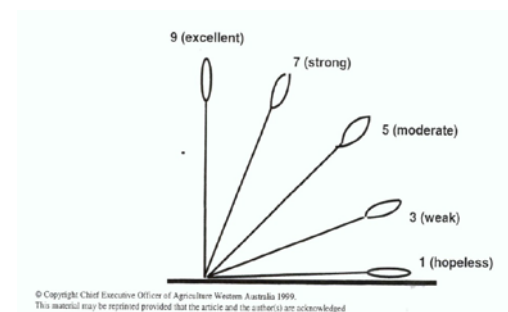
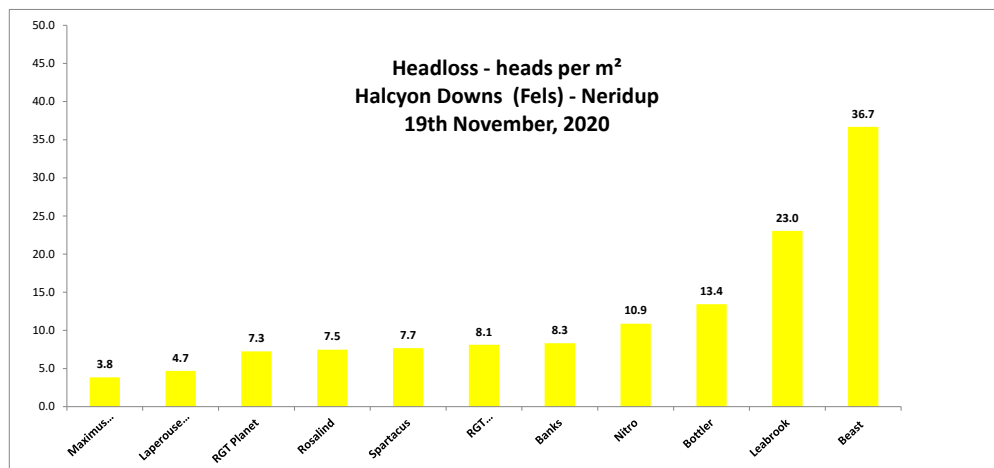


Plot	Variety!	Lodging Score	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	Average per Quadrat	Row Spacing	Heads per m ²	
1	RGT Planet	6.5	2	1	0	1	0	1	2	1	0	1	1	2	0	3	1	3	2	2	1	1	2	1	3	1	2	1.4	18.75	7.3	
2	Spartacus	7.5	2	3	2	2	3	0	1	0	1	0	1	2	3	2	3	3	2	0	1	0	1	1	1	1	1	1.4	18.75	7.7	
3	Maximus (1705)	8.0	0	1	2	0	1	1	0	1	1	0	2	1	1	0	1	1	1	0	0	1	1	0	1	0	1	0.7	18.75	3.8	
4	RGT Planet	6.0	2	2	2	1	1	3	1	0	1	1	1	1	1	1	0	2	1	0	1	2	1	2	1	0	1	1.2	18.75	6.2	
5	Rosalind	6.0	2	1	2	1	1	1	1	2	1	3	1	1	2	1	2	1	1	1	0	2	1	1	2	2	1.4	18.75	7.5		
6	Leabrook	4.5	1	2	5	5	4	3	2	4	4	3	3	4	5	7	6	3	8	5	4	6	5	4	4	6	5	4.3	18.75	23.0	
7	RGT Planet	6.0	1	1	0	1	1	0	1	1	0	1	3	1	1	0	1	2	2	1	0	1	1	1	0	3	1	1.0	18.75	5.3	
8	Laperouse W14952	6.5	1	0	1	1	0	0	1	1	1	2	1	0	1	3	2	1	0	1	1	0	1	1	1	0	1	0.9	18.75	4.7	
9	Nitro	6.0	4	2	3	2	3	2	2	4	2	2	1	1	3	1	2	3	1	3	4	1	1	1	1	1	1	2.0	18.75	10.9	
10	RGT Planet	6.5	3	1	0	2	3	1	2	1	1	2	3	1	1	1	4	1	3	2	3	2	3	1	1	0	1	1.7	18.75	9.2	
11	Banks	4.0	1	2	0	2	2	3	4	2	2	3	2	3	3	1	1	0	1	0	1	1	1	0	1	1	2	1.6	18.75	8.3	
12	Bottler	7.0	5	3	4	3	2	4	4	3	2	3	4	4	2	2	2	1	3	3	1	0	1	2	2	1	2	2.5	18.75	13.4	
13	RGT Planet	6.5	3	1	0	3	1	0	0	1	0	2	1	1	1	0	1	1	0	1	2	1	0	0	0	1	2	1.0	18.75	5.1	
14	Beast	4 to 6	4	4	5	5	6	8	7	6	6	4	7	8	4	4	8	10	6	9	10	13	12	6	7	7	6	6.9	18.75	36.7	
15	RGT Planet (SEPWA)	6.5	3	1	2	1	2	1	1	3	2	1	0	1	1	1	0	3	2	2	1	0	2	3	2	1	2	1.5	18.75	8.1	
16	RGT Planet	6.5	1	3	2	3	2	0	1	1	3	4	5	2	2	3	2	2	4	1	0	1	2	2	1	2	0	1	2.0	18.75	10.5

Row Labels	Heads per m ²
Maximus (1705)	3.8
Laperouse W14952	4.7
RGT Planet	7.3
Rosalind	7.5
Spartacus	7.7
RGT Planet (SEPWA)	8.1
Banks	8.3
Nitro	10.9
Bottler	13.4
Leabrook	23.0
Beast	36.7
Grand Total	10.5

Lodging Score—9: Erect, 5 : 45 degrees, 1 : Flat on Ground

Note : Beast, Banks, Leabrook some bad lodging in areas - possible straw strength



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HARVEST DATA - SEPWA Barley Variety Trial - Halcyon Downs (Fels) - Neridup

Harvested 2nd December 2020

Comparison between Weigh Trailer and FENDT 9T Header

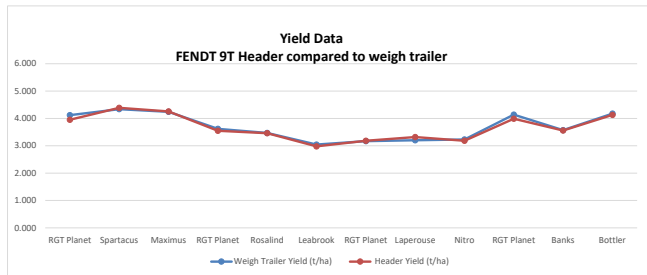
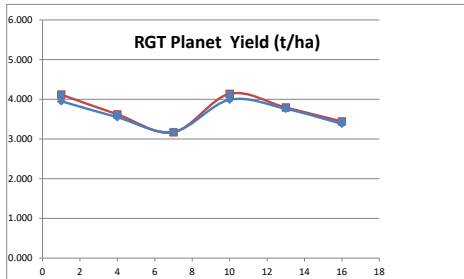
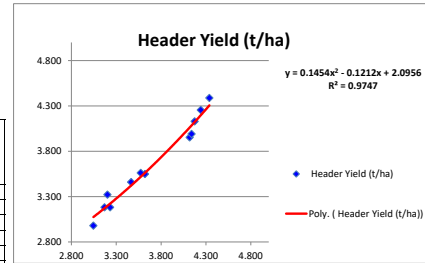


Plot	Variety!	Plot Length	Plot Width	Area (ha)	Weight (kgs)	Weigh Trailer Yield (t/ha)	Weigh Trailer % of Site Mean	Header Weight (kgs)	Header Yield (t/ha)	Header % of Site Mean
1	RGT Planet	330	12	0.396	1631	4.119	112%	1565	3.952	109%
2	Spartacus	320	12	0.384	1666	4.339	118%	1685	4.388	121%
3	Maximus	330	12	0.396	1680	4.242	116%	1685	4.255	117%
4	RGT Planet	330	12	0.396	1434	3.621	99%	1405	3.548	98%
5	Rosalind	330	12	0.396	1373	3.467	95%	1370	3.460	95%
6	Leabrook	330	12	0.396	1206	3.045	83%	1180	2.980	82%
7	RGT Planet	330	12	0.396	1255	3.169	87%	1260	3.182	88%
8	Laperouse	330	12	0.396	1268	3.202	87%	1315	3.321	91%
9	Nitro	330	12	0.396	1280	3.232	88%	1260	3.182	88%
10	RGT Planet	330	12	0.396	1640	4.140	113%	1580	3.990	110%
11	Banks	330	12	0.396	1415	3.573	98%	1410	3.561	98%
12	Bottler	330	12	0.396	1653	4.174	114%	1635	4.129	114%
13	RGT Planet	330	12	0.396	1502	3.793	104%	1490	3.763	104%
14	Beast	330	12	0.396	1322	3.338	91%	1300	3.283	90%
15	RGT Planet (SEPWA)	330	12	0.396	1462	3.692	101%	1475	3.725	103%
16	RGT Planet	330	12	0.396	1363	3.442	94%	1340	3.384	93%

Data		
Variety!	Weigh Trailer (t/ha)	Header (t/ha)
Spartacus	4.339	4.388
Rosalind	3.467	3.460
Leabrook	3.045	2.980
RGT Planet	3.714	3.636
Maximus	4.242	4.255
Laperouse	3.202	3.321
Nitro	3.232	3.182
Banks	3.573	3.561
Bottler	4.174	4.129
Beast	3.338	3.283
RGT Planet (SEPWA)	3.692	3.725
Average of Yield (t/ha)	3.662	3.631



Plot	Variety!	Plot Length	Plot Width	Area (ha)	Weight (kgs)	Weigh Trailer Yield (t/ha)	Weigh Trailer % of Site Mean	Header Weight (kgs)	Header Yield (t/ha)	Header % of Site Mean
1	RGT Planet	330	12	0.396	1631	4.119	112%	1565	3.952	109%
4	RGT Planet	330	12	0.396	1434	3.621	99%	1405	3.548	98%
7	RGT Planet	330	12	0.396	1255	3.169	87%	1260	3.182	88%
10	RGT Planet	330	12	0.396	1640	4.140	113%	1580	3.990	110%
13	RGT Planet	330	12	0.396	1502	3.793	104%	1490	3.763	104%
16	RGT Planet	330	12	0.396	1363	3.442	94%	1340	3.384	93%



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HARVEST DATA - SEPWA Barley Variety Trial - Halcyon Downs (Fels) - Neridup

Harvested - 2nd December 2020



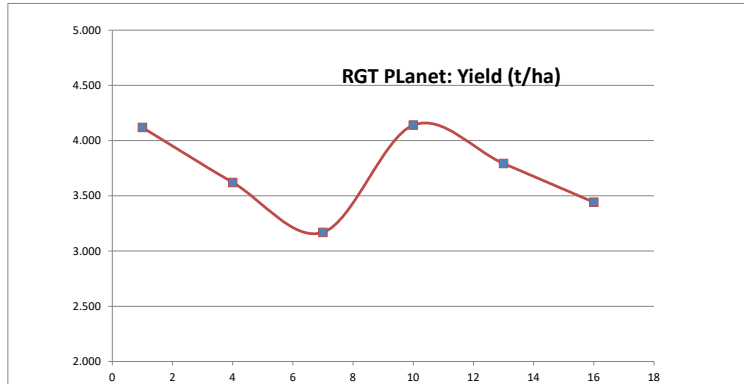
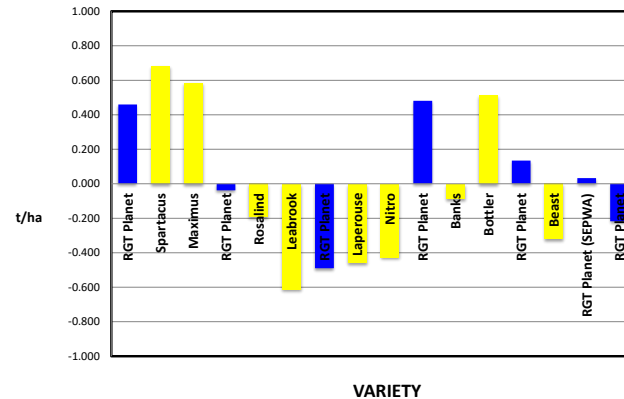
Plot	Variety!	Plot Length	Plot Width	Area (ha)	Weight (kgs)	Yield (t/ha)	Plot 2	% of Site Mean
1	RGT Planet	330	12	0.396	1631	4.119	1	113%
2	Spartacus	320	12	0.384	1666	4.339	4	119%
3	Maximus	330	12	0.396	1680	4.242	9	116%
4	RGT Planet	330	12	0.396	1434	3.621	16	99%
5	Rosalind	330	12	0.396	1373	3.467	25	95%
6	Leabrook	330	12	0.396	1206	3.045	36	83%
7	RGT Planet	330	12	0.396	1255	3.169	49	87%
8	Laperouse	330	12	0.396	1268	3.202	64	88%
9	Nitro	330	12	0.396	1280	3.232	81	88%
10	RGT Planet	330	12	0.396	1640	4.140	100	113%
11	Banks	330	12	0.396	1415	3.573	121	98%
12	Bottler	330	12	0.396	1653	4.174	144	114%
13	RGT Planet	330	12	0.396	1502	3.793	169	104%
14	Beast	330	12	0.396	1322	3.338	196	91%
15	RGT Planet (SEPWA)	330	12	0.396	1462	3.692	225	101%
16	RGT Planet	330	12	0.396	1363	3.442	256	94%

Plot	Variety!	Plot Length	Plot Width	Area (ha)	Weight (kgs)	Yield (t/ha)	Plot 2	% of Site Mean
1	RGT Planet	330	12	0.396	1631	4.119	1	113%
4	RGT Planet	330	12	0.396	1434	3.621	16	99%
7	RGT Planet	330	12	0.396	1255	3.169	49	87%
10	RGT Planet	330	12	0.396	1640	4.140	100	113%
13	RGT Planet	330	12	0.396	1502	3.793	169	104%
16	RGT Planet	330	12	0.396	1363	3.442	256	94%

Average of Yield (t/ha)	Total
Variety!	
Leabrook	3.045
Laperouse	3.202
Nitro	3.232
Beast	3.338
Rosalind	3.467
Banks	3.573
RGT Planet (SEPWA)	3.692
RGT Planet	3.714
Bottler	4.174
Maximus	4.242
Spartacus	4.339
Grand Total	3.662



2020 SEPWA BARLEY Variety Trial
Variety comparison to Site Mean (t/ha)
Halcyon Downs (Fels) - Neridup



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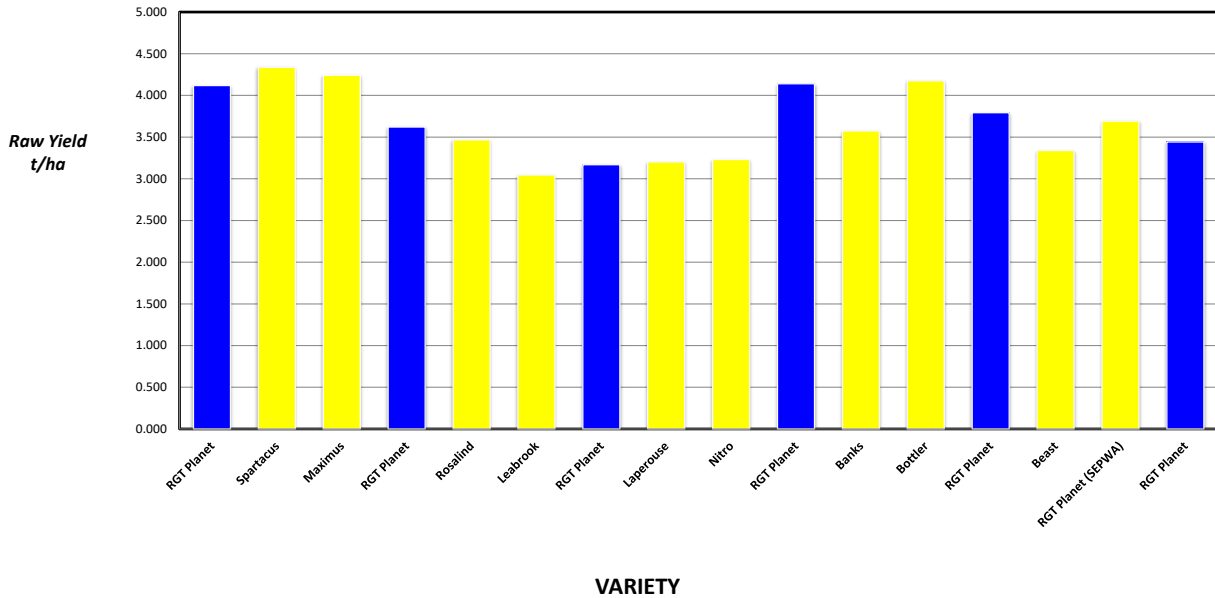


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2020 SEPWA BARLEY Variety Trial Halcyon Downs (Fels) - Neridup



Plot	Variety!	Yield (t/ha)	% of Site Mean
1	RGT Planet	4.119	113%
2	Spartacus	4.339	119%
3	Maximus	4.242	116%
4	RGT Planet	3.621	99%
5	Rosalind	3.467	95%
6	Leabrook	3.045	83%
7	RGT Planet	3.169	87%
8	Laperouse	3.202	88%
9	Nitro	3.232	88%
10	RGT Planet	4.140	113%
11	Banks	3.573	98%
12	Bottler	4.174	114%
13	RGT Planet	3.793	104%
14	Beast	3.338	91%
15	RGT Planet (SEPWA)	3.692	101%
16	RGT Planet	3.442	94%



Farmer comments :: Leabrook, Nitro and Beast Lodging
Beast - noticeable head loss and Bottler good straw strength and standing.

Site Details

Soil Description: Sandy Loam
Date Sown: Thursday, 28 May 2020
Date Harvested: Wednesday, 2 December 2020
Seeding Rate: 90 kg/ha

Statistical Analysis

Site Mean (t/ha) 3.662
Probability 0.383
Least significant difference 5% 1.062
CV % 10.4

Plot Dimensions

Length (m)	Width (m)	Area (m ²)	Conversion Factor
330	12	0.396	2.53



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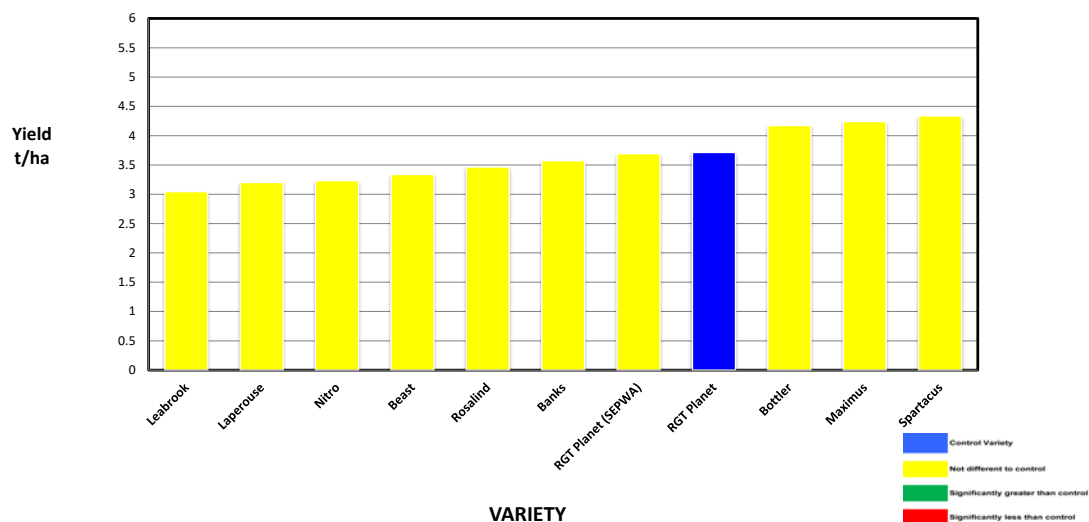


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2020 SEPWA BARLEY Variety Trial Halcyon Downs (Fels) - Neridup



Variety	Maturity	Yield (t/ha)	% of RGT Planet	Protein %	Colour	Hect kg/ha	Screenings %	Grade
Leabrook (Stage 2)	Early - Mid season	3.045	82%	10.8	54	61	11.9	BFED1
Laperouse (Stage 1)	Mid-season	3.202	86%	10.5	55	63	16.8	Malt 2
Nitro	mid-season	3.232	87%	10.6	56	59	22.1	BFED1
Beast (Stage 1)	Early Season	3.338	90%	9.8	55	60	16.2	BFED1
Rosalind	Mid-season	3.467	93%	10.7	54	60	17.0	BFED1
Banks	Mid-late maturing	3.573	96%	10.2	55	60	20.5	BFED1
RGT Planet (SEPWA)	Mid-season	3.692	99%	9.9	55	58	25.1	BFED1
RGT Planet	Mid-season	3.714	100%	9.9	55	58	24.0	BFED1
Bottler (Stage 2)	mid-season	4.174	112%	10.7	56	59	26.7	BFED1
Maximus (Stage 2)	Early Season	4.242	114%	11.6	55	64	10.4	Malt 2
Spartacus	Early Season	4.339	117%	11.0	55	58	29.5	BFED1

Site Mean (t/ha) 3.662
 Probability 0.383
 Least significant difference 5% 1.0617
 CV % 10.4

Site Details

Soil Description: Sandy Loam
 Date Sown: Thursday, 28 May 2020
 Date Harvested: Wednesday, 2 December 2020
 Seeding Rate: 90 kg/ha

Plot Dimensions

Length (m) 330
 Width (m) 12
 Plot Area (ha) 0.40
 Conversion Factor 2.53

Rainfall Data

Growing Season (mm) 356.0
 Site Yield (t/ha) 3.662
 kg/mm - Rainfall 10.29

RAINFALL 2020 (mm)	January	5	Cumulative Growing Season Rainfall	
	February	30		
	March	24		
	April	30		30
	May	32		62
	June	40		102
	July	66		168
	August	118		286
	September	45		331
	October	25		356
	November	92		
	Total	507		

Station: Halcyon Downs (Fels) - Neridup



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