

Winter crop guide

Seed Force in Australia.

Since its inception in 2006 Seed Force has become the leading innovative proprietary forage seed business in Australia. The business model has been based on aligning with world leading plant breeding companies and institutions in Europe, N & S America, New Zealand and Australia and screening new breeders' lines against industry standards in Australia. Seed Force then commercialises new varieties that offer significant benefits to farmers over existing commercial varieties in Australia.

Seed Force commenced its broadacre development in 2009 importing our first wheat lines through quarantine 50 seeds per line. Since then we have brought some 60 wheat, 24 barley and 6 winter canola lines through quarantine into our screening program.

Despite the long lead time to screen and bulk-up successful varieties for commercialisation, we can now offer a wide range of varieties screened internally then tested under the NVT system.

Winter crop development.

From 2009 Seed Force commenced its winter crop development program covering wheat, barley, oats and canola. Barley and winter wheats are imported from RAGT, an independently owned, French based shareholder in Seed Force. RAGT has Europe's largest wheat breeding program and the largest commercial sales of seed for sowing.

They also have Europe's leading winter canola breeding program with excellent screening for black leg resistance, stem canker & leaf spot plus yield and oil content.

Spring canola is sourced from NPZ Australia's program based in Perth, but with regional breeding nurseries and screening sites in WA, Victoria and NSW.

Importation of cereals into Australia is limited to 50 seeds per line that must be sent to and grown out in an approved quarantine facility. They are then tested for any exotic disease that would see the plants destroyed. After harvest of seed in quarantine the new breeder lines are then grown out in ear rows and eventually harvested to produce enough seed for regional testing against current commercial standards.

This process has enabled Seed Force to deliver the latest high yielding crop genetics to Australian farmers.



Seed Force **Canola program**

Seed Force has been a pioneering force in the development of the grain and graze winter canola market, launching our first variety in 2012. By combining our co-operation with leading European canola breeding companies and our in-depth knowledge of brassica grazing management, we have become the market leader in dual purpose canolas.

In 2015 Seed Force developed a strategic partnership with NPZ Australia to provide Seed Force with a pipeline of world class triazine tolerant hybrids for the Australian canola industry. The first variety was launched in

2016 after strong 2015 NVT results. SF Turbine also came with a new blackleg grouping that hadn't been seen in triazine tolerant varieties before - blackleg grouping BF. This new blackleg resistance grouping has given Australian farmers the ability to successfully rotate their blackleg groupings between the triazine tolerant varieties.

The focus going forward for the Australian breeding program is to continue to deliver superior yielding varieties with increased oil content and improved blackleg resistance.



NEW
FOR
2017!

SF Turbine TT

hybrid canola

FEATURES

- Excellent early vigour
- Moderate crop height
- Up to 10% higher yielding than open pollinated varieties
- Equivalent yield to other TT hybrids

Improved gross margins

SF Turbine TT is the first in a new series of TT hybrids to be introduced by Seed Force.

SF Turbine TT has excellent early vigour and gets up and establishes quickly for maximum weed competition.

Sowing rate

Average yield range	Optimum plants
1 to 2 t/ha	20 to 40 plants/m ²
2 to 3.5 t/ha	30 to 50 plants/m ²

early - mid maturity

 Australian release
> 2015

TYPE	Hybrid
HERBICIDE TOLERANCE GROUP	Triazine tolerant
BLACKLEG RESISTANCE	MR-MS (Bare), R-MR (Jockey) Resistance Group BF
SEEDLING VIGOUR	Excellent
CROP HEIGHT	Moderate
ALTERNATIVE TO	ATR Gem, ATR Stingray, ATR Bonito, ATR Mako, Hyola 559 TT + Hyola 450 TT
SOWING ZONES	350 mm plus

2016 National Variety Trials Summary of Results*

VARIETY	NSW	VIC	SA	WA	MEAN	NO TRIALS
SF Turbine TT	108	107	116	101	108	30
ATR Bonito	90	99	85	89	91	30
ATR Gem	90	96	82		89	22
ATR Mako	87	94	93	94	92	30
Hyola 525RT	88	91		91	90	17
Hyola 559TT	101	97	101	104	101	30
InVigor T 4510	117	115	115	111	114	30
Monola 515TT	81	83	77		80	20
Pioneer 44T02 TT	100	96	107	102	101	23
Pioneer 45T01TT	100	97	93	98	97	23

* based on released Mid 2016 NVT trials as at 16.1.2017 (that included SF Turbine TT)



SF Ignite TT

hybrid canola

FEATURES

- Excellent early vigour
- Moderate crop height
- Up to 10% higher yielding than open pollinated varieties
- Equivalent yield to other TT hybrids

Improved gross margins

SF Ignite TT is the second in a new series of TT hybrids to be introduced by Seed Force.

SF Ignite TT has excellent early vigour and gets up and establishes quickly for maximum weed competition.

Sowing rate

Average yield range	Optimum plants
1 to 2 t/ha	20 to 40 plants/m ²
2 to 3.5 t/ha	30 to 50 plants/m ²

mid - late maturity

 Australian release
> 2017

TYPE	Hybrid
HERBICIDE TOLERANCE GROUP	Triazine tolerant
BLACKLEG RESISTANCE	MR (Bare), R (Jockey) Resistance Group BF
SEEDLING VIGOUR	Excellent
CROP HEIGHT	Moderate
ALTERNATIVE TO	Hyola 650TT, ATR Gem, ATR Wahoo, ATR Mako, Hyola 559TT
SOWING ZONES	500 mm plus

2016 National Variety Trials Summary of Results*

VARIETY	NSW	VIC	SA	WA	MEAN	NO TRIALS
SF Ignite TT	120	119	119	104	115	34
ATR Wahoo	98	107	96	96	99	21
Hyola 559TT	101	98	101	104	101	34
Hyola 650TT	102	101	100	107	103	22
Hyola 725RT	91	97		95	94	14
InVigor T 4510	117	115	115	110	114	31
Monola 515TT	81	78	77		79	23
Pioneer 44T02 TT	100	96	107	102	101	23
Pioneer 45T01TT	100	101	93	98	98	

* based on released Mid 2016 NVT trials as at 16.1.2017 (that included SF Ignite TT)

NVT canola results 2015

based on 2015 NVT trial results tables include all
26 Mid NVT Trials that included SF Turbine TT
Check NVT website for specific trial results

WESTERN AUSTRALIA			
Variety Name	WA %	Est T/ha	no sites
Hyola 559TT	115	2.08	7
Pioneer 44T02 TT	111	2.01	7
SF Turbine TT	109	1.99	7
Pioneer 45T01TT	108	1.96	5
DG 560TT	107	1.94	7
Hyola 525RT	104	1.89	6
Hyola 650TT	104	1.89	6
Hyola 450TT	104	1.88	4
ATR Mako	103	1.86	7
Hyola 725RT	102	1.85	5
Pioneer Atomic TT	102	1.84	2
ATR Bonito	101	1.83	7
ATR Gem	98	1.77	7
ATR Wahoo	96	1.74	2
Monola 416TT	94	1.71	4
ATR Stingray	92	1.68	7
Yetna	90	1.63	2
Monola 314TT	86	1.57	5
Monola 515TT	85	1.55	6
Site Mean (t/ha)	1.82		

SOUTH AUSTRALIA			
Variety Name	SA %	Est T/ha	no sites
SF Turbine TT	114	1.85	5
Hyola 559TT	113	1.83	5
Pioneer 44T02 TT	112	1.81	5
DG 560TT	111	1.79	5
ATR Mako	106	1.71	5
Pioneer 45T01TT	106	1.70	4
Hyola 450TT	105	1.69	4
Monola 416TT	104	1.68	5
ATR Bonito	101	1.63	5
Hyola 650TT	99	1.59	5
ATR Stingray	96	1.55	3
Pioneer Atomic TT	95	1.53	1
ATR Gem	93	1.50	5
Monola 314TT	91	1.47	4
ATR Wahoo	85	1.37	3
Monola 515TT	76	1.23	5
Site Mean (t/ha)	1.61		

NEW SOUTH WALES			
Variety Name	NSW %	Est T/ha	no sites
ATR Bonito	107	2.26	10
DG 560TT	106	2.23	10
ATR Gem	105	2.22	10
ATR Mako	105	2.22	10
Hyola 559TT	105	2.21	10
SF Turbine TT	104	2.20	10
ATR Wahoo	104	2.20	8
Hyola 725RT	104	2.20	4
Hyola 650TT	103	2.18	10
Pioneer 44T02 TT	103	2.18	10
Pioneer 45T01TT	103	2.17	9
Monola 416TT	102	2.16	8
ATR Stingray	99	2.08	10
Hyola 450TT	98	2.07	6
Pioneer Atomic TT	94	1.99	3
Hyola 525RT	93	1.96	6
Monola 515TT	92	1.94	8
Bayer 3000 TR	90	1.89	2
Monola 314TT	88	1.85	7
Site Mean (t/ha)	2.11		

VICTORIA			
Variety Name	Vic %	Est T/ha	no sites
Bayer 3000 TR	119	1.35	1
DG 560TT	118	1.33	4
Hyola 559TT	117	1.32	4
SF Turbine TT	116	1.31	4
Pioneer 44T02 TT	114	1.29	4
Pioneer 45T01TT	110	1.25	4
ATR Bonito	109	1.23	4
Hyola 525RT	107	1.21	4
ATR Mako	101	1.15	4
ATR Stingray	99	1.12	2
ATR Gem	98	1.11	4
ATR Wahoo	98	1.11	3
Hyola 650TT	95	1.08	4
Pioneer Atomic TT	94	1.06	1
Monola 314TT	94	1.06	4
Hyola 725RT	88	1.00	2
Hyola 450TT	88	0.99	2
Monola 416TT	84	0.95	4
Monola 515TT	66	0.75	4
Site Mean (t/ha)	1.13		

NVT canola results 2016

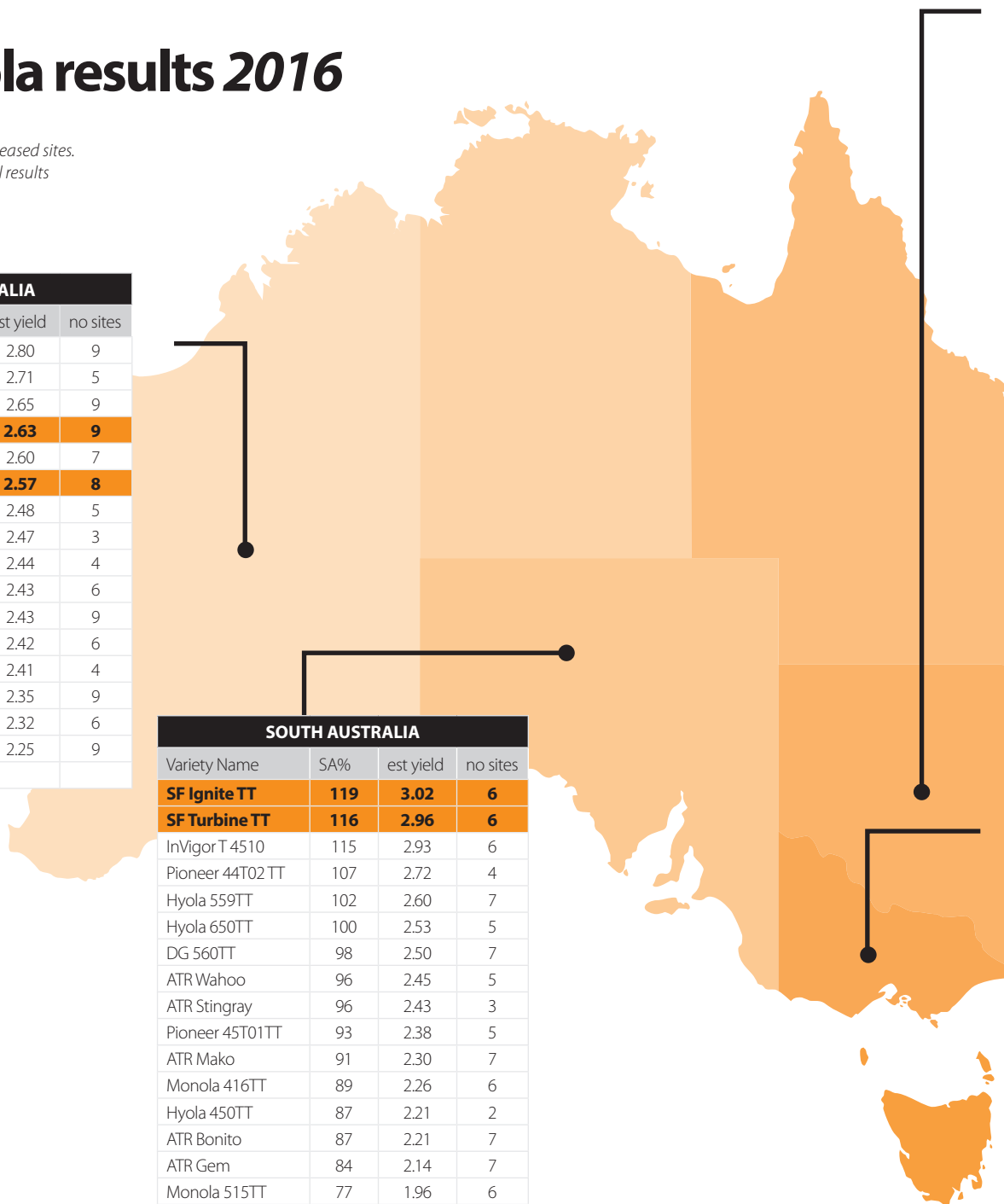
based on 2016 NVT trial results
table includes varieties in all 58 released sites.
check NVT website for specific trial results

WESTERN AUSTRALIA			
Variety Name	WA %	est yield	no sites
InVigor T 4510	110	2.80	9
Hyola 650TT	107	2.71	5
Hyola 559TT	104	2.65	9
SF Ignite TT	104	2.63	9
Pioneer 44T02 TT	102	2.60	7
SF Turbine TT	101	2.57	8
Pioneer 45T01TT	98	2.48	5
Hyola 450TT	97	2.47	3
ATR Wahoo	96	2.44	4
Monola 416TT	96	2.43	6
DG 560TT	96	2.43	9
ATR Stingray	95	2.42	6
Hyola 725RT	95	2.41	4
ATR Mako	93	2.35	9
Hyola 525RT	91	2.32	6
ATR Bonito	89	2.25	9
mean yields (t/ha)	2.54		

SOUTH AUSTRALIA			
Variety Name	SA%	est yield	no sites
SF Ignite TT	119	3.02	6
SF Turbine TT	116	2.96	6
InVigor T 4510	115	2.93	6
Pioneer 44T02 TT	107	2.72	4
Hyola 559TT	102	2.60	7
Hyola 650TT	100	2.53	5
DG 560TT	98	2.50	7
ATR Wahoo	96	2.45	5
ATR Stingray	96	2.43	3
Pioneer 45T01TT	93	2.38	5
ATR Mako	91	2.30	7
Monola 416TT	89	2.26	6
Hyola 450TT	87	2.21	2
ATR Bonito	87	2.21	7
ATR Gem	84	2.14	7
Monola 515TT	77	1.96	6
mean yields (t/ha)	2.54		

NEW SOUTH WALES			
Variety Name	NSW%	est yield	no sites
SF Ignite TT	120	2.68	11
InVigor T 4510	117	2.62	11
SF Turbine TT	109	2.44	11
Hyola 650TT	102	2.28	7
Pioneer 44T02 TT	101	2.26	9
Hyola 559TT	101	2.26	11
Pioneer 45T01TT	100	2.23	10
ATR Wahoo	97	2.17	9
DG 560TT	96	2.14	11
Monola 416TT	94	2.10	9
Hyola 725RT	91	2.03	5
ATR Stingray	91	2.03	6
ATR Bonito	90	2.00	11
ATR Gem	90	2.00	11
Hyola 450TT	90	2.00	4
Hyola 525RT	88	1.96	6
ATR Mako	87	1.94	11
Bayer 3000 TR	83	1.85	3
Monola 515TT	79	1.76	9
mean yields (t/ha)	2.23		

VICTORIA			
Variety Name	VIC%	est yield	no sites
SF Ignite TT	119	3.61	9
InVigor T 4510	115	3.48	6
ATR Stingray	108	3.27	4
ATR Wahoo	107	3.26	5
SF Turbine TT	107	3.25	6
ATR Bonito	102	3.08	9
Pioneer 45T01TT	101	3.07	8
Hyola 650TT	101	3.06	6
Hyola 559TT	98	2.97	9
ATR Gem	98	2.96	9
Hyola 725RT	97	2.93	5
Pioneer 44T02 TT	96	2.90	4
Monola 416TT	94	2.86	9
DG 560TT	93	2.82	9
Hyola 450TT	92	2.79	4
ATR Mako	92	2.78	9
Bayer 3000 TR	89	2.70	2
Hyola 525RT	87	2.64	9
Monola 515TT	78	2.37	9
mean yields (t/ha)	3.03		



Winter canola

Seed Force pioneered the use of forage rape and blends with cereals and ryegrass to increase winter feed production on mixed farms.

In 2011 we first trialled RAGT winter canolas for grain and oil yield. Seed Force has seen the potential for these winter types to be sown early and provide exceptional autumn/winter feed and then be locked up for similar grain and oil yields where finishing spring rains occur. But given the large grazing returns from these varieties, even moderate grain yields or harvest for hay would enable improved Gross Margins over spring canolas used for grain & oil only.

Typical winter forage yields of 4.0 to 6.0tDM/ha have enabled grazing of 30-40 lambs/ha for 8-12 weeks prior to lock up for grain.

This is resulting in grazing income of \$1,000-1,500/ha (equivalent of 2-3t/ha grain), plus grain yields of 2.0-3.0t/ha.

The new Clearfield canola Edimax CL has been an outstanding success and has been at the top of all winter canola trials. It has been commercially available in 2015.



Grazing guidelines

Seed Force winter canola can be planted as early as adequate moisture is available to enable successful establishment. Plants can be grazed after they have reached with-holding guidelines for seed treatments. Ensure that stock have been drenched and vaccinated at least seven days before moving onto the crop. They should be introduced slowly over a few days to enable rumen adjustment and additional fibre such as hay or straw should be available as well as fresh water.

Forage yields can be increased by the application of Nitrogen up to 60kg N/ha about four weeks after sowing. Crop should not be grazed within four weeks of application of Nitrogen.



Livestock withholding guidelines

- > **JOCKEY STAYER® + PONCHO PLUS®:**
DO NOT GRAZE PLANTS GROWN FROM TREATED SEED, OR CUT FOR STOCK FOOD WITHIN EIGHT (8) WEEKS OF SOWING.
- > **EXPORT SLAUGHTER INTERVAL (ESI) – SEVEN (7) WEEKS:**
Livestock that have been grazed on crops grown from treated seed should be placed on clean feed for seven weeks prior to export slaughter.



SF Edimax CL

Clearfield winter canola

FEATURES	BENEFITS	Sowing rate	
<ul style="list-style-type: none"> • Full season growing potential • Can be sown in HRZ from late summer until early winter to reduce peak time use of seeder • Increased income potential for autumn/winter grazing when sown early 	<ul style="list-style-type: none"> • Excellent yield potential • Late maturity spreads frost risk • Sowing early reduces requirement for slug control when soil temperatures allow faster growth • High oil content 	Grain only	2.5–3.5kg/ha
		Early grazing and grain	3.5–4.0kg/ha
late - very late maturity			
 Australian release > 2014			
 Stock suitability > Sheep & beef			
Grazing and grain			
SF Edimax CL is a hybrid, clearfield winter canola offering growers improved gross margins from both autumn/winter grazing and high potential grain yields.			
SF Edimax CL can be sown in late summer or early autumn for grazing at eight weeks after sowing up until mid-July lock-up for grain with excellent oil content.			
		TYPE	Hybrid
		HERBICIDE TOLERANCE GROUP	Clearfield
		BLACKLEG RESISTANCE	R-MR (bare), R (Jockey) Resistance Group C
		SEEDLING VIGOUR	Excellent
		CROP HEIGHT	Moderate to tall
		GRAZING POTENTIAL	Very good autumn and winter
		SOWING ZONES	NW & SW slopes, S Tablelands NSW, N Victoria (irrigation), S Victoria, SE SA, Tasmania

SF Edimax CL

Winter canola case study.

Edimax CL Gross Margin - Daniel Moll, Gerogery 2015

10 ha sown at 4 kg/ha on 19 February 2015. Grazing commenced in April, with 2 grazing periods until lock-up in early August for harvest in mid December.

Income				
Grazing lambs				
Grazing Days	Stocking Rate	Liveweight Gain	Price	Income
70 days	23/ha	0.25 kg/day	\$2	\$952
Grain				
2.6 t/ha			\$502	\$1,305
Total Income				\$2,257

Expenditure	cost	
Seed	\$112	
Fertiliser	\$240	
Ag Chemicals	\$85	
Machinery	\$30	
Total Expenditure	\$467	\$467

Gross Margin	\$1,790
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SF Edimax CL

Trial data

Seed Force internal trials 2014

VARIETY	LAKE BOLAC (VIC)		DERRINALLUM (VIC)		EURONGILY (NSW)		AVERAGE	
	KG/HA	% MEAN	KG/HA	% MEAN	KG/HA	% MEAN	KG/HA	% MEAN
SF Edimax CL	2,442	117	2,500	133	1,035	93	1,992	118
SF Sensation	2,208	105	1,725	92	1,230	111	1,721	101
Hyola 971	1,881	90	1,772	94	1,020	92	1,558	92
SF Brazzil	1,810	86	1,397	74	1,025	92	1,411	83
Hyola 930	1,600	76	1,586	84	1,158	104	1,448	85
<i>Site Mean</i>	<i>2,095</i>		<i>1,881</i>		<i>1,110</i>		<i>1,696</i>	
<i>CV%</i>	<i>12.04%</i>		<i>15.63%</i>		<i>17.89%</i>			
<i>LSD</i>	<i>178.46</i>		<i>207.92</i>		<i>320</i>			



Introducing Seed Force Barley

Seed Force commenced its Australian barley screening program in 2010 with the importation of the first 11 barley varieties under quarantine from its European shareholder RAGT Semences.

The first barley trials commenced in 2012, once sufficient seed had been produced to enable initial screening for yield and disease resistance. Only two lines came through this rigorous process and have remained in the program, with one still being considered for commercialisation.

Since then we have now doubled the number of lines under screening with a total of 4 varieties now in the top yielding group of varieties tested in NVT in 2016.

The first of these to be commercialised is RGT Planet.



barley

FEATURES	BENEFITS	Sowing rate 50–80kg/ha
High yielding variety	Earlier planting opportunity	mid season flowering
Low protein, high hot water extract	Suited to malting	
Malt accreditation in Europe	<ul style="list-style-type: none"> • Heineken green light • Carlsberg approved 	 Australian release > 2017
Mid season type	Adaptable to early or late season finishes	 End Point Royalty >\$4.00/tonne (excl gst)

A good economic option

RGT Planet is a new high yielding spring barley being introduced into Australia. It has a strong agronomic package that combined with its yield potential will make it an economic option for Australian barley growers.

It will be evaluated for malt accreditation in Australia, but already has malt status in many European countries and with Heineken and Carlsberg worldwide.

RGT Planet has good disease resistance to mildew, rhinosporium, net blotch and brown rust. It also has good straw strength and reduced risk of lodging.

Available through:
 Australian Seed & Grain, Moora
 EDSCO, Kellerberrin
 Melchiorre Seeds, Narrogin
 MultiSEED, Esperance
 Modra Seeds, Ungarra
 RH Verner, Mallala
 Naracoorte Seeds, Naracoorte
 AGF Seeds Smeaton
 Baker Seeds, Rutherglen
 TP Jones, Tasmania
 Hart Bros, Junee
 Woods Seeds, Goondiwindi

2016 National Variety Trials Summary of Results*

VARIETY	QLD	NSW	VIC	SA	WA	MEAN	NO TRIALS
RGT Planet	116	122	115	113	111	115	57
Rosalind	114	112	108	107	107	110	57
Spartacus CL	101	104	98	101	96	100	57
La Trobe	98	104	96	99	98	99	57
Hindmarsh	95	101	97	97	100	98	57
Commander	96	93	99	98	100	97	57
Compass	94	95	98	96	97	96	57
no of trials	3	13	13	19	9	57	

* based on 2016 NVT trials as at 16.1.2017

RGT Planet

Australia's highest yielding barley variety

based on 2016 NVT trial results
table includes varieties in all 58 released sites.
check NVT website for specific trial results

WESTERN AUSTRALIA		
variety	t/ha	% mean
RGT Planet	6.36	114
Rosalind	6.00	108
Fathom	5.93	106
Spartacus CL	5.62	101
La Trobe	5.52	99
Commander	5.45	98
Hindmarsh	5.42	97
Compass	5.29	95
no of sites		19

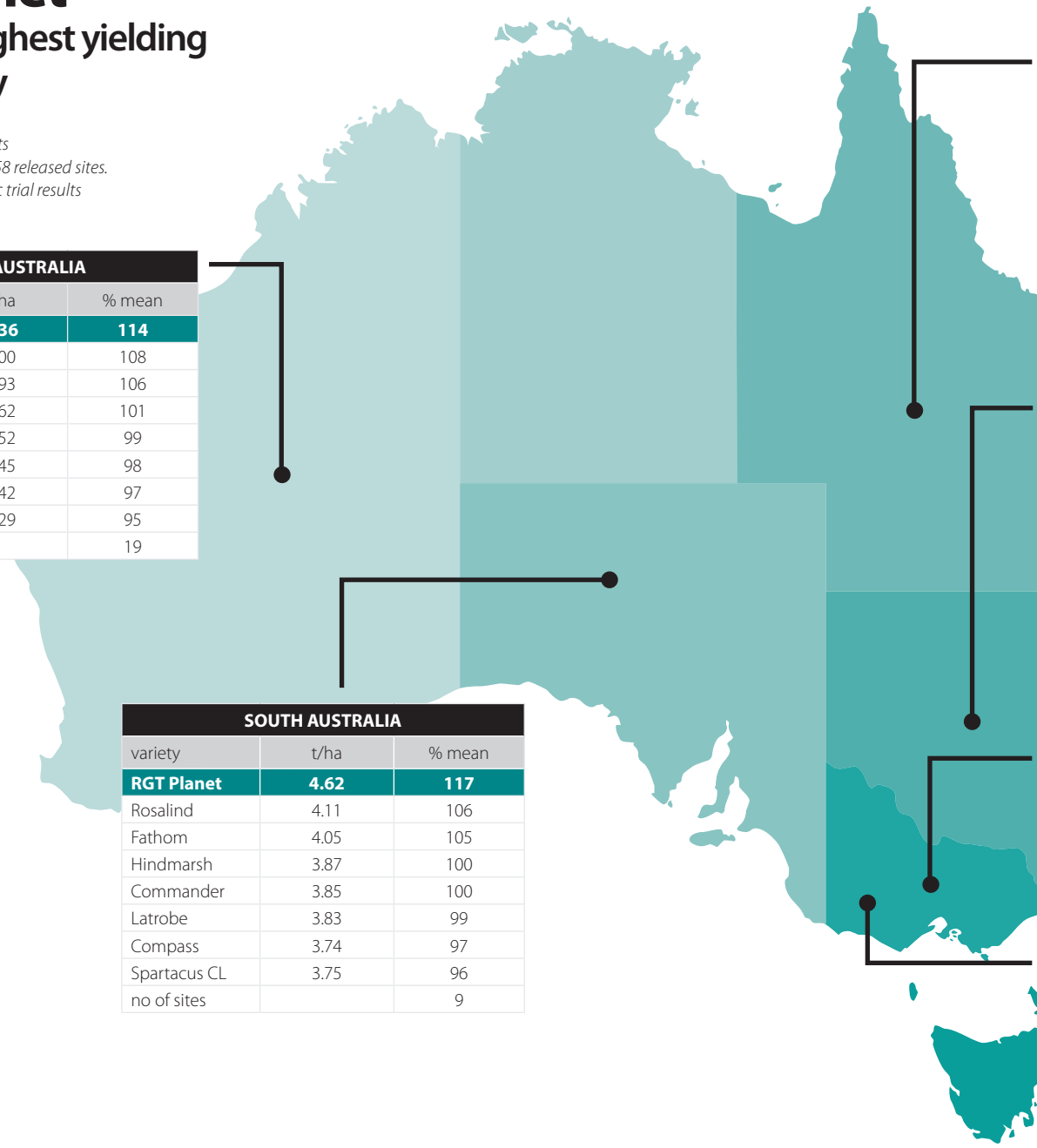
SOUTH AUSTRALIA		
variety	t/ha	% mean
RGT Planet	4.62	117
Rosalind	4.11	106
Fathom	4.05	105
Hindmarsh	3.87	100
Commander	3.85	100
Latrobe	3.83	99
Compass	3.74	97
Spartacus CL	3.75	96
no of sites		9

QUEENSLAND		
variety	t/ha	% mean
RGT Planet	5.82	121
Rosalind	5.51	114
Spartacus CL	5.08	105
Latrobe	4.92	102
Hindmarsh	4.81	100
Fathom	4.71	98
Compass	4.69	97
Commander	4.38	91
no of sites		3

NEW SOUTH WALES		
variety	t/ha	% mean
RGT Planet	5.96	121
Rosalind	5.47	111
Fathom	5.23	106
Spartacus CL	5.04	102
Latrobe	5.02	101
Hindmarsh	4.88	99
Commander	4.75	96
Compass	4.61	93
no of sites		10

VICTORIA		
variety	t/ha	% mean
RGT Planet	6.61	115
Rosalind	6.20	108
Fathom	6.19	108
Commander	5.65	99
Spartacus CL	5.64	98
Compass	5.61	98
Hindmarsh	5.49	96
La Trobe	5.48	96
no of sites		13

VICTORIA Long season		
variety	t/ha	% mean
RGT Planet	8.32	114
Rosalind	7.55	104
Commander	6.71	92
Spartacus CL	6.65	92
Compass	6.19	85
sites Mean (t/ha)	7.28	
no of sites		3



Winter wheats

Whilst the wheat varieties being tested in Australia are largely pink in grain colour and currently being categorised as feed wheats, many are high quality milling wheats in Europe where grain colour is not the main criteria for classification.

In general red/pink wheats will yield higher than white wheats and RAGT is focussed on delivering commercial varieties that continue to improve farmer profitability in Europe and now into Australia.

So whilst in the initial stage these varieties will have to hold up primarily on yield and disease tolerance, there is future scope for the development of markets for high yielding milling wheats with increased sprouting resistance.

Seed Force is committed to entering material screened for commercialisation into GRDC NVT program. We initially entered winter wheats starting in 2012 largely into the long season sites. More recently earlier flowering material has been entered into the main season trials.

NVT sites:

Our varieties included in the various sites include:

- SF Scenario
- SF Adagio
- SF Ovalo
- SF Hekto – commercialised in Tasmania only

Plus new varieties under code are in NVT in 2016 and are currently being bulked up ahead of commercialisation.

- RGT Accroc
- SFR86-036 (RGT Calabro)
- SFR86-034 (RGT Bonifacio)
- SFR86-055 (RGT Zanzibar) - 2017

New cereal naming prefix.

The wheats marketed by Seed Force up until 2015 have been marketed with the SF prefix.

This is consistent with our forage business where the SF prefix identifies the variety as having been tested extensively in Australia by Seed Force prior to commercialisation.

That decision has been made based on strong results and highlighting a variety that offered significant benefits to Australian farmers.

But for all new cereal varieties from 2016, they will carry the RGT prefix.

This will clearly identify them as having been bred by RAGT, as many of the varieties are recognised internationally.

This will help those who may choose to aggregate and market the varieties, so that the name is consistent with what is known by international customers.

RGT Planet barley and RGT Accroc winter wheat are presented in this guide with their new prefix.



SF Hekto

winter wheat


FEATURES	Sowing rate 80–120kg/ha
<ul style="list-style-type: none"> Full season growing potential Very high yield potential Can be sown in HRZ from late summer until early winter Good resistance to rust, septoria and mildew Increased resistance to sprouting Increased income potential for autumn/winter grazing when sown early 	mid - late maturity
	 Australian release > 2014
<p>Long growing season</p> <p>SF Hekto is an awnless, long growing season winter wheat with potential for high yields in the high rainfall zone. It has been developed in France, Belgium, Germany and Spain as a feed quality variety for its high yields of large grain with a high specific weight.</p> <p>SF Hekto has good disease resistance to rust diseases, Septoria and Mildew, and is recommended for sowing in southern high rainfall zone where its high yields can enable greater per hectare returns than higher quality white wheats.</p>	<p>\$ End Point Royalty >\$4.00/tonne (excl gst)</p> <p>Available through: TP Jones, Tasmania</p>
TYPE	Winter wheat, feed grain
DISEASE RESISTANCE	Good resistance to wheat streak mosaic virus
SEEDLING VIGOUR	Excellent
GRAZING POTENTIAL	Very good autumn and winter
SOWING ZONES	Tasmania

Tasmania wheat trials summary.

Region	TAS		TAS		Trial mean
	Cressy		Westbury		
	2014		2015		
Variety Name	t/ha	%	t/ha	%	%
Manning	10.55	133	9.87	109	121
RGT Accroc	9.50	120	10.60	117	118
SF Adagio	10.45	132	9.28	103	118
SF Ovalo	9.13	116			116
Mackellar	9.10	115			115
SF Hekto	9.11	115			115
SF Scenario	9.34	118	9.09	101	110
Trojan	9.05	115	8.91	99	107
Einstein	9.28	117	8.63	96	106
Kiora			9.58	106	106
SQP Revenue	7.53	95	9.86	109	102
Beaufort			9.10	101	101
Lancer	8.00	101			101
Brennan	7.89	100			100
DS Pascal			9.02	100	100
Kellalac			8.84	98	98
Bolac			8.74	97	97
EGA Wedgetail	7.26	92	8.75	97	94
Gazelle	7.40	94			94
Rudd	7.41	94			94
Naparoo	6.37	81	9.38	104	92
Viking	7.24	92			92
Sunzell	6.92	88	8.57	95	92
Sunlamb			8.24	91	91
Forrest	7.14	90	8.22	91	90
Tennant	7.12	90			90
Wylah	6.67	84			84
Phantom	6.45	82			82
Site Mean (t/ha)	7.90	100	9.03	100	100
CV (%)	8.90		6.33		
Probability	<0.001		<0.001		
LSD (t/ha)	1.01	13	0.82	9	

SF Adagio

winter wheat


FEATURES	<ul style="list-style-type: none"> • Full season growing potential • Very high yield potential • Can be sown in HRZ from late summer until early winter • Good resistance to fusarium • Increased resistance to sprouting • Increased income potential for autumn/winter grazing when sown early
	Sowing rate 80–120kg/ha
	mid - late maturity
	 Australian release > 2014
	\$ End Point Royalty >\$3.60/tonne (excl gst)
	Available through: AGF Seeds, Smeaton Hart Bros, Junee.
Med - long season	<p>SF Adagio is a bearded, medium - long growing season winter wheat with potential for high yields in the medium and high rainfall zone. It has been developed in France, Spain and Turkey where it is grown primarily for its earlier maturity, its excellent resistance to fusarium and its bread making quality, having a particularly good level of protein and specific weight.</p> <p>The high yield and grain quality of SF Adagio will bring benefits to the Australian grower.</p>

TYPE	Winter wheat
DISEASE RESISTANCE	Good resistance to fusarium
SEEDLING VIGOUR	Excellent
GRAZING POTENTIAL	Very good autumn and winter
SOWING ZONES	NW & SW slopes, S Tablelands NSW, N Victoria (irrigation), S Victoria, SE SA, Tasmania



RGT Accroc

winter wheat

FEATURES	<ul style="list-style-type: none"> • Full season growing potential • Can be sown in HRZ from late summer until early winter • Early heading and maturing • High yield potential • Resistant to wheat streak mosaic virus • Short stiff straw • Increased income potential for autumn/winter grazing when sown early
	Sowing rate 80–120kg/ha
	mid - late maturity
	 Australian release > 2017
	\$ End Point Royalty >\$4.00/tonne (excl gst)
	Available through: AGF Seeds, Smeaton Baker Seed Co, Rutherglen Hart Bros Seeds, Junee TP Jones, Tasmania Naracoorte Seeds, Naracoorte
Full season growing potential	<p>RGT Accroc is a bearded, medium-long growing season winter wheat with potential for high yields in the medium and high rainfall zone. It is a variety that has taken a high market share in France where its combination of earlier maturity, high yields and good grain quality has made it desirable for growers and end-users alike.</p> <p>The variety has a good disease resistance profile with very good resistance to stripe rust and good resistance to wheat streak mosaic virus. With short stiff straw, harvest quality is good producing large bold grain with a high thousand grain weight.</p>

TYPE	Winter wheat
DISEASE RESISTANCE	Good resistance to stripe rust
SEEDLING VIGOUR	Excellent
GRAZING POTENTIAL	Very good autumn and winter
SOWING ZONES	NW & SW slopes, S Tablelands NSW, N Victoria (irrigation), S Victoria, South-east SA, Tasmania

2016 Early and Long Season National Variety Trials Summary of Results

Adjusted trial yields in t/ha and expressed as percentage of Site mean

State


REGION	Vic Early			Vic Long			SA Early			NSW Long			NSW Early			TAS Long			Mean	
Variety Name	t/ha	%	No.	t/ha	%	No.	t/ha	%	No.	t/ha	%	No.	t/ha	%	No.	t/ha	%	No.	%	No.
RGT Accroc	8.00	117	4	9.36	126	2	6.58	118	1	6.93	120	12	7.21	120	8	9.69	114	1	119	28
RGT Calabro	7.50	110	4	8.98	120	2	7	125	1	6.68	113	8	6.95	115	8	9.48	111	1	116	24
SQP Revenue	7.79	114	4	8.98	121	2	6.66	119	1	5.89	102	12	5.89	103	5	9.49	111	1	112	25
RGT Zanzibar	7.44	110	4	8.66	116	2	6.23	112	1	6.37	112	12	7.11	118	8	8.3	98	1	111	28
SF Hekto [#]																9.38	110	1	110	1
SF Adagio	7.43	109	4	8.68	116	2	6.44	115	1	5.98	104	12	6.60	109	8	8.52	100	1	109	28
SF Ovalo [#]	5.49	103	1	8.14	109	2	6.31	113	1							8.79	103	1	107	5
SFR86-034	6.80	100	4	8.02	108	2	5.87	105	1	6.33	108	8	6.19	108	7	9.56	112	1	107	23
Manning	7.26	106	4	9.05	122	2	6.68	120	1	5.24	90	12	5.53	97	5	8.19	96	1	105	25
Coolah	6.85	101	4				5.67	102	1				6.34	106	8				103	13
Mackellar				7.90	106	2				5.73	100	12				8.6	101	1	102	15
LRPB Trojan	7.03	104	4	8.02	108	2	5.87	105	1				6.40	106	8	7.43	87	1	102	16
Beckom	6.78	100	4				5.56	100	1				6.30	105	8				102	13
Preston	7.00	104	4				5.68	102	1				5.93	98	6				101	11
SF Scenario	6.54	96	4	7.80	104	2	5.8	104	1	5.53	96	12	5.72	100	7	8.66	102	1	100	27
Rudd				7.44	100	2				5.64	98	12				8.77	103	1	100	15
Kiora	6.47	96	4				5.69	102	1				6.12	102	8				100	13
Cutlass	6.65	99	4				5.49	98	1				6.10	102	8				100	13
Bolac	6.76	100	4				5.42	97	1				5.93	99	8				99	13
Einstein				8.10	108	2				4.88	84	12				8.73	103	1	98	15
DS Pascal	6.86	101	4	7.88	106	2	5.25	94	1	5.24	88	8	6.23	104	8	7.98	94	1	98	24
LRPB Gazelle	6.41	94	4				5.24	94	1				6.07	101	8				96	13
Chara	6.16	92	4				5.28	95	1				6.04	101	8				96	13
Forrest	6.13	90	4	6.88	92	2	5.43	97	1	5.68	99	12	5.96	99	8	7.72	91	1	95	28
LRPB Kittyhawk	6.15	91	4	6.51	88	2	5.41	97	1	5.56	98	12	5.94	99	8	8.17	96	1	95	28
Zircon	6.60	91	3	7.00	94	2							5.69	96	8	8.32	98	1	95	14
EGA Wedgetail	6.29	92	4	6.84	92	2	5.18	93	1	5.64	98	12	5.99	100	8	7.72	91	1	94	28
Viking	6.41	95	4				4.72	85	1				6.08	102	8				94	13
DS Darwin	5.02	94	1				4.82	86	1				5.87	98	8				93	10
Sunmax				6.01	80	2				6.10	107	12	6.04	101	8	7.02	82	1	92	23
Naparoo				4.84	64	2				6.06	106	12				9.04	106	1	92	15
SFR86-044#																7.85	92	1	92	1
Sunlamb	4.53	84	1	6.76	90	2				5.64	98	12	5.76	96	8	7.62	89	1	92	24
Wylah				6.44	86	2				5.42	95	12							91	14
Tennant				7.22	97	2				4.76	83	12							90	14
Sunzell				5.22	70	2				5.53	97	12	5.33	88	8	7.81	92	1	87	23
Site Mean (t/ha)	6.79			7.46			5.58			5.74			6.00			8.51				

[#] Tasmania only * 5 select sites only

Mean of 2016 Early and Long Season NVT Wheat in Eastern Australia that included RGT Accroc varieties not included in a minimum of 10 trials excluded

RGT Zanzibar

main season wheat


FEATURES	Sowing rate 80–120kg/ha
Trialed as SFR86-055 <ul style="list-style-type: none"> Main Season Spring wheat Suited to late April to Mid May sowing Being tested for grazing tolerance High yield potential Excellent stripe rust resistance Excellent straw strength and standability 	mid - late maturity
	 Australian release > 2014
Full season growing potential <p>RGT Zanzibar is a bearded main season red wheat with very high yield potential and is very well adapted to all environments across QLD, NSW, Vic, SA and Tasmania. For growers looking for yield and have a reliable feed market this variety is hard to go past. RGT Zanzibar has superior grain yield over key competitors Suntop, EGA Gregory and Spitfire.</p> <p>The variety has a good disease resistance profile with very good resistance to stripe rust. With excellent straw strength harvest quality is good producing large bold grain with a high thousand grain weight.</p>	\$ End Point Royalty >\$4.00/tonne (excl gst)
Available through: Still to be finalised, check with your local Seed Force contact on back page.	

TYPE	Main season red wheat
DISEASE RESISTANCE	Excellent stripe rust resistance
SEEDLING VIGOUR	Excellent
GRAZING POTENTIAL	Very good autumn and winter
SOWING ZONES	Suited to the main season sowing area of eastern Australia



RGT Calabro

winter wheat

FEATURES	Sowing rate 80–120kg/ha
Trialed as SFR86-036 <ul style="list-style-type: none"> Full season growing potential Can be sown in HRZ from late summer until early winter Early heading and maturing High yield potential Excellent stripe rust resistance Short stiff straw with excellent standability Increased income potential for autumn/winter grazing when sown early 	mid - late maturity
	 Australian release > 2017
Full season growing potential <p>RGT Calabro is a bearded, medium-long growing season winter wheat with potential for high yields in the medium and high rainfall zone. It is a variety that has taken a high market share in France where its maturity, high yields and good grain quality has made it combination of earlier desirable for growers and end-users alike.</p> <p>The variety has a good disease resistance profile with very good resistance to stripe rust and good resistance to wheat streak mosaic virus. With short stiff straw, harvest quality is good producing large bold grain with a high thousand grain weight.</p>	\$ End Point Royalty >\$4.00/tonne (excl gst)
Available through: Midland Seeds, Richmond Tasmania	

TYPE	Winter wheat
DISEASE RESISTANCE	Good resistance to stripe rust
SEEDLING VIGOUR	Excellent
GRAZING POTENTIAL	Very good autumn and winter
SOWING ZONES	Tasmania , S Tablelands NSW, N Victoria (irrigation), S Victoria, South-east SA,

Eastern Australia 2016 Main Season Summary

REGION	NSW			Vic			QLD			SA			Summary	
Variety Name	t/ha	%	No.	t/ha	%	No.	t/ha	%	No.	t/ha	%	No.	%	No.
LRPB Trojan	5.97	110	13	6.77	108	11				5.69	111	15	109	39
SFR86-055	5.80	110	27	6.97	111	11	5.84	104	2	5.44	106	15	108	55
Cobalt	5.84	111	27	6.43	107	6				5.95	105	3	107	36
Scepter	5.86	107	13	6.79	108	11				5.41	106	15	107	39
LRPB Cobra	5.79	106	13	6.72	106	11				5.55	107	15	107	39
Beckom	5.60	106	27	6.52	105	11							106	38
Tenfour	5.55	105	27	6.54	109	7	5.59	99	2	4.97	107	9	105	45
Cutlass	5.92	109	13	6.41	103	11				5.27	103	15	105	39
Viking	5.59	107	27	6.24	99	11	5.94	106	2				104	40
LRPB Flanker	5.56	106	27	6.10	97	11	6.08	110	2				104	40
Coolah	5.53	106	27	6.13	102	6	5.76	103	2				104	35
LRPB Impala	5.47	104	27	6.24	99	11	5.80	103	2	5.42	96	6	101	46
Suntop	5.19	99	27	5.97	100	6	5.72	102	2				100	35
Condo	5.46	104	27	6.01	100	6	5.39	96	2				100	35
Harper	5.53	102	13	6.15	98	11				5.10	99	15	100	39
EGA Gregory	5.27	101	27	5.79	97	6	5.63	102	2				100	35
LRPB Reliant	5.15	98	27	5.37	95	5	5.78	104	2				99	34
Elmore CL Plus	5.27	100	27	6.16	98	11	5.52	99	2				99	40
Jade	5.23	100	27	5.76	96	7	5.47	98	2				98	36
DS Darwin	5.26	100	27	6.10	97	11				4.94	96	15	98	53
Mace	5.29	98	13	6.12	97	11				5.00	98	15	98	39
Emu Rock	5.31	98	13	6.15	98	11				4.97	97	15	97	39
Justica CL Plus	5.21	95	13	6.04	97	10				4.99	97	15	97	38
Yitpi	5.29	97	13	6.04	97	11				4.93	96	15	97	39
Corack	5.34	97	13	6.06	96	11				4.91	96	15	97	39
Wallup	5.19	99	27	5.94	95	11	5.36	96	2	5.60	96	9	96	49
Tungsten	5.01	95	27				5.30	95	2	5.67	98	9	96	38
Barham	5.13	94	13	6.05	97	11				5.30	95	6	95	30
LRPB Gauntlet	5.00	95	27	5.60	93	6	5.39	97	2				95	35
Steel	5.10	97	27	5.14	86	6	5.89	106	2	5.07	89	3	95	38
Hatchet CL Plus	4.80	94	15	5.70	95	7				4.80	94	15	94	37
Grenade CL Plus	5.08	93	13	5.91	94	11				4.80	94	15	94	39
LRPB Spitfire	4.82	92	27	5.57	93	6	5.34	96	2				93	35
Kord CL Plus	5.15	94	13	5.94	94	11				4.62	90	15	93	39
Site Mean (t/ha)	5.26			6.85			5.58			5.12				

Mean of main season 2016 NVT Wheat trials in Eastern Australia that included RGT Zanzibar as of 16 May 2017. Varieties that are not included in at least 30 trials have been excluded.

Seed Force Cereal Commercial Partners and Variety EPRs

Seed Force proprietary cereals are available from the Commercial Partners below with the End Point Royalties as detailed.

State	Commercial Partner	RGT Planet barley	RGT Accroc wheat	RGT Calabro wheat	SF Adagio wheat	SF Hekto wheat	SF Scenario wheat
WA	Australian Seed & Grain Moora - 08 9651 1069	\$4.40					
WA	EDSCO Kellerberrin - 08 9045 4036	\$4.40					
WA	Melchiorre Seeds Narrogin - 08 9881 1155	\$4.40					
WA	MultiSEED Esperance - 08 9071 1053	\$4.40					
SA	Modra Seeds Ungarra - 08 8688 8094	\$4.40					
SA	RH Verner Mallala - 08 8520 2182	\$4.40					
SA	Naracoorte Seeds Naracoorte - 08 8762 1944	\$4.40	\$4.40				
VIC	AGF Seeds Smeaton - 03 5345 6262	\$4.40	\$4.40		\$3.96		\$3.96
VIC	Baker Seeds Rutherglen - 02 6032 9484	\$4.40	\$4.40				
TAS	TP Jones Launceston - 03 6343 1666	\$4.40	\$4.40			\$4.40	
TAS	Midlands Seeds Richmond - 03 6260 4000			\$4.40			
NSW	Hart Bros Junee - 02 6924 7206	\$4.40	\$4.40		\$3.96		
QLD	Woods Seeds Goondiwindi - 07 4670 0400	\$4.40					

* all EPRs are inclusive of GST

End Point Royalty (EPR)

Each time that a grower purchases seed for sowing of Seed Force varieties noted as having EPR payable, they agree to comply with the Variety Licence Agreement including the payment on any applicable EPR.

This EPR is payable on all grain produced except seed retained by the grower for replanting by the grower.

All grain produced must be properly declared on the Harvest Declaration form.

Full details of Seed Force's Variety Licence Agreements are available at www.varietycentral.com

This EPR is the mechanism by which Seed Force in Australia and RAGT in France can continue to breed and screen varieties that can provide improved returns for Australian grain and mixed farmers.

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