



### KEY FEATURES

- A high yielding soft wheat
- ASF - Biscuit classification in Northern Zone, South Eastern Zone and Southern Zone
- Mid to long season maturity similar to QAL2000 and Yenda
- Ideally suited to early plantings and high production systems
- Improved Stripe rust resistance to established soft wheat varieties (MR rating to all current pathotypes)
- High quality soft wheat with a good grain package, sound test weights, low screenings and low protein accumulation

### BREEDING Pedigree: 24K1056/VPM/3\*Vasco

The original cross of Gazelle (C51115) made by Dr Akram Khan, was initially selected by the Value Added Wheat CRC. The line was first received by LongReach Plant Breeders in 2008. Gazelle has been extensively evaluated by the LongReach Plant Breeders technical team led by Dr Bertus Jacobs and Dr Marie Appelbee. The line was first entered into National Variety Trials in 2009.

### AGRONOMIC FEATURES

Gazelle has a ASFT final classification in Northern, South Eastern and Southern zones and has been approved for release by Allied Mills and Arnotts as a suitable soft wheat variety that meets all their quality requirements. It is suited to early to main season planting windows with mid to long season maturity similar to QAL2000 in northern NSW and slightly earlier than Yenda in southern NSW. Gazelle has medium coleoptiles with good early seedling vigour and medium plant height at maturity, being similar to Bowie and QAL2000. Gazelle performs similar to QAL2000 for lodging and is well suited to irrigation. Appears well suited to Acid soils with good yield performance in low pH soils. A good rust resistance package is a key attribute of Gazelle. It is very susceptible (VS) to Powdery Mildew so a pre-emptive management should be put in place were this to be an expected problem.

Disease and Pest Resistance Ratings: Gazelle and commercial varieties.										
Variety	Disease Ratings						Pest Reaction			
	Stem Rust	Leaf Rust	Stripe Rust	Stripe Rust	Septoria tritici	Crown Rot	Yellow Leaf Spot	Common Root Rot	RLN	
			WA/Jackie	Yr17+ Yr27					(P.thornei) Resistance	(P.thornei) Tolerance
Barham	MR-MS	MR-MS	MR	S	S	Sp	MS-S	MS-S	MS-S	MIp
Bowie	S	-	R-MR	S	MS	S	S	S	MS-S	MT-MIp
<b>Gazelle</b>	<b>MR</b>	<b>MR</b>	<b>MR</b>	<b>MR</b>	<b>MR-MS</b>	<b>S</b>	<b>MS-S</b>	<b>MS-S</b>	<b>S</b>	<b>I</b>
Impala	MR	S	MR	MR	S	MS-S	MS-S	MS-S	S	MI-I
QAL2000	R-MR	R	R	VS	MR-MS	S-VS	MS-S	MR	MR-MS	MT-MI
Rosella	MR-MS	-	MR-MS	MR-MS	MR-MS	MS-S	S	-	S	-
Yenda	R	-	R-MR	S	MS	S	MR-MS	MS-S	MS-S	MI-I

Resistance rating: VS=Very Susceptible, S=Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant R=Resistant. Tol Rating - T=Tolerant, MT=Moderately Tolerant, MI=Moderately Intolerant, I=Intolerant, VI=Very Intolerant  
 Data sourced NSW DPI 2015 & LongReachPlant Breeders disease screens and breeder ratings. p = Preliminary Data Based on limited data set

## NVT MET analysis 2009-2013 for Early Season trials in New South Wales

New South Wales												
	South East			South West			North East			North West		
Varieties	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count
Bowie	2.97	77	10	2.94	79	7	2.87	78	6	2.75	84	9
Chara	3.76	97	38	3.62	98	29	3.63	98	8	3.28	100	16
EGA Gregory	4.13	107	38	3.87	105	29	4.02	109	29	3.53	108	36
<b>Gazelle</b>	<b>4.03</b>	<b>104</b>	<b>31</b>	<b>3.96</b>	<b>107</b>	<b>25</b>	<b>3.73</b>	<b>101</b>	<b>23</b>	<b>3.33</b>	<b>102</b>	<b>29</b>
Orion	3.78	98	24	3.70	100	19	3.56	96	16	3.28	100	23
Rosella	3.58	93	17	3.47	94	11						
QAL2000	3.31	86	31	3.38	91	25	3.08	83	23	3.02	92	29
Sunsoft 98	3.37	87	7	3.38	92	4	3.08	84	6	2.85	87	7
Sunvale	3.76	97	38	3.58	97	29	3.64	99	29	3.22	98	36
Yenda	3.33	86	17	3.35	91	11	3.17	86	8	3.08	94	9
Region Mean Yield	3.87		38	3.70		29	3.69		29	3.28		36

## NVT MET analysis 2009-2013 for Early Season trials in Queensland

QLD										
	South East QLD			South West QLD			Central QLD			
Varieties	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	
Bowie							3.31	103	3	
EGA Gregory	3.93	105	11	3.06	107	25	3.38	106	19	
<b>Gazelle</b>	<b>3.66</b>	<b>98</b>	<b>8</b>	<b>2.91</b>	<b>102</b>	<b>8</b>	<b>3.28</b>	<b>102</b>	<b>7</b>	
Orion	3.87	103	7				3.54	110	3	
QAL2000	3.91	104	7				3.72	116	3	
Sunsoft 98				2.68	94	3				
Sunvale	3.72	99	11	2.73	96	25	2.99	93	19	
Yenda							3.55	111	3	
Region Mean Yield	3.76		11	2.86		25	3.20		19	



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