



# VINING PEAS

## GROWING FOR THE MARKET



**Variety Technical Information 2022**





# EARLY AND SECOND EARLY VARIETIES

		EARLY	SECOND EARLY			
		ANUBIS	JUBILEE	ELEMENT	CELEBRATION	LG VALIANT
MATURITY	Days after Avola	2	5	5	6	8
	% of Oasis @ TR100	85	77	88	74	96
YIELD	AHU	655	667	695	708	710
	Soil Type Suitability	All	All	All	Medium	
AGRONOMY	Leaf Type	Normal	Normal	Afila	Afila	Afila
	First Flowering Node	10	11	12	14	13
	Vigour (1-3)	3	2	2	1	-
	Average Plant Height (cm)	55	65	55	55	55
	Pod Set	Double	Double	Double	Double	Double
	Flowering Habit (D/SD)	SD	SD	SD	SD	SD
	Powdery Mildew Resistance	Susceptible	Resistant	Resistant	Susceptible	Resistant
	Downy Mildew Tolerance (1-9)	5	6	7	3	Slightly Susceptible
	Wilt (Race 1)	Resistant	Resistant	Resistant	Resistant	Susceptible
	Agronomy Comment	Highly vigorous early variety, adaptable to all environments	Excellent flowering habit, strong pod set & good disease	Second early with exceptional downy mildew tolerance	Exclusive to one customer in the UK	High yielding with solid agronomics
QUALITY	% Large Sieve (>10.2mm)	7	8	2	1	19
	% Medium Sieve (10.2-8.75mm)	67	73	60	28	57
	% Small Sieve (8.75-7.5mm)	20	15	29	50	22
	% Very Small Sieve (<7.5mm)	6	4	9	21	2
	Average Sieve Size	2.79	2.84	2.70	2.2	-
	Thousand Seed Weight (g)	180-220	190-220	166-215	145-165	170-195

Notes: Downy mildew rating = 1 (poor) to 9 (good). Early vigour rating = 1 (low) to 3 (high). Flowering habit = D (Determinate) or SD (Semi Determinate), - = no data available. All data is from 2018.





# EARLY MAINCROP AND MAINCROP VARIETIES

		EARLY MAINCROP		MAINCROP				
		REALM	CHARLIE	LG MIDNIGHT	OASIS	GALILEO	TERRAIN	LG INFINITY
<b>MATURITY</b>	Days after Avola	9	9	12	12	13	13	17
<b>YIELD</b>	% of Oasis @ TR100	92	96	101	100	113	97	105
	AHU	764	764	748	803	807	807	798
	Soil Type Suitability	All	Light/Medium	-	Medium/Heavy	Medium/Heavy	Medium/Heavy	
<b>AGRONOMY</b>	Leaf Type	Normal	Afila	Afila	Normal	Afila	Normal	Afila
	First Flowering Node	12	14	15	14	15	14	15
	Vigour (1-3)	2	3	-	2	2	3	-
	Average Plant Height (cm)	60	65	67	65	60	65	55
	Pod Set	Multi-podded	Multi-podded	Double	Multi-podded	Double	Multi-podded	Double
	Flowering Habit (D/SD)	SD	SD	SD	SD	SD	SD	SD
	Powdery Mildew Resistance	Susceptible	Susceptible	Resistant	Susceptible	Resistant	Resistant	Resistant
	Downy Mildew Tolerance (1-9)	7	5	Slightly Susceptible	6	8	8	Moderate
	Wilt (Race 1)	Resistant	Resistant	Susceptible	Susceptible	Resistant	Resistant	Resistant
	<b>Agronomy Comment</b>	Exceptional multi-podded type, good downy mildew	Vigorous & reliable with good disease	Oasis yield with powdery mildew resistance	Excellent vigour, holds pods off ground during	Outstanding disease resistance & yield	High vigour & excellent disease tolerance	Latest maturing variety with a high yield
<b>QUALITY</b>	% Large Sieve (>10.2mm)	2	11	6	17	23	10	42
	% Medium Sieve (10.2-8.75mm)	76	72	83	67	65	82	46
	% Small Sieve (8.75-7.5mm)	20	13	9	14	7	7	10
	% Very Small Sieve (<7.5mm)	2	4	2	2	0	1	2
	Average Sieve Size	2.7	2.90	-	3.00	3.30	3.00	-
	Thousand Seed Weight (g)	190-210	180-205	190-210	175-195	165-201	180-200	145-175

Notes: Downy mildew rating = 1 (poor) to 9 (good). Early vigour rating = 1 (low) to 3 (high). Flowering habit = D (Determinate) or SD (Semi Determinate), - = no data available  
All data is from 2018.





# PETIT POIS VARIETIES

		PETIT POIS					MINI GARDEN
		ARTEMIA	PANAMA	FIRENZA	PIXIA	TENDRILA	EXTASIA
<b>MATURITY</b>	Days after Avola	4	8	9	10	10	12
<b>YIELD</b>	% of Waverex @ TR100	93	90 (Pixia)	104	104	118	94 (Oasis)
	AHU	667	840	729	748	740	812
	Soil Type Suitability	Medium	Light/Medium	Medium	Medium	Medium	Medium/Heavy
<b>AGRONOMY</b>	Leaf Type	Normal	Afila	Normal	Afila	Afila	Afila
	First Flowering Node	10	13	15	15	17	16
	Vigour (1-3)	1	2	1	2	2	2
	Average Plant Height (cm)	60	60	55	65	70	65
	Pod Set	Double	Multi-podded	Double	Double	Double	Multi-podded
	Flowering Habit (D/SD)	SD	SD	SD	SD	SD	SD
	Powdery Mildew Resistance	Susceptible	Susceptible	Susceptible	Resistant	Susceptible	Susceptible
	Downy Mildew Tolerance (1-9)	7	Moderate	6	6	5	8
	Wilt (Race 1)	Resistant	Susceptible	Resistant	Resistant	Susceptible	Resistant
	<b>Agronomy Comment</b>	Early with good downy mildew tolerance	Extra stems with few pods compensate difficult conditions	Large pods and haulm make for an easy harvest	A second early variety with good vigour	Vigorous, can be grown where Waverex can't	Double wrinkled
<b>QUALITY</b>	% Large Sieve (>10.2mm)	0	0	0	0	0	1
	% Medium Sieve (10.2-8.75mm)	1	5	3	4	22	71
	% Small Sieve (8.75-7.5mm)	34	60	57	49	64	23
	% Very Small Sieve (<7.5mm)	65	35	40	47	14	5
	Average Sieve Size	1.4	-	1.65	1.5	2.14	2.7
	Thousand Seed Weight (g)	85	115	90	95	110	130

Notes: Downy mildew rating = 1 (poor) to 9 (good). Early vigour rating = 1 (low) to 3 (high). Flowering habit = D (Determinate) or SD (Semi Determinate), - = no data available  
All data is from 2018.





# GPA - GROWTH PROMOTING AGENT

**GPA SEED TREATMENT AIDS RAPID GERMINATION & GOOD ESTABLISHMENT.  
THIS PERFECTLY COMPLEMENTS THE HIGH GERMINATION & VIGOUR OF LG VINING PEA SEED.**

The GPA seed treatment consists mainly of phosphates and potash.

Phosphate is important in early plant growth, influencing emergence and establishment through improved root development and by increasing root biomass.

This enables the young plant to source nutrients from the soil more effectively, especially in the first few weeks of growth, when a significant percentage of total phosphate uptake occurs.

**Benefits of GPA can include;**

**Better establishment  
Larger roots and shoots  
Higher yields**

Analysis of data from all the plots showed that the yield benefits of GPA were due to an increase in the length of the pod, and importantly, in the number of peas per pod.



## **Manganese**

We routinely use Manganese in combination with our GPA seed treatment.

Studies have shown that seed treatments provide one of the best ways to early target a source of Manganese to the crop.

Manganese can improve emergence and early plant growth.







# MORE INFORMATION



## ABOUT US

The LG brand is the strategic global brand of Limagrains Field Seeds. LG has been serving farmers with premium seeds for over 50 years and is present across 6 continents and all major crops.

The fourth largest seed company worldwide, Limagrains is an agricultural cooperative owned by French farmers and an international seed group. As a creator and producer of plant varieties, Limagrains markets field seeds, amenity seeds, vegetable seeds and cereal ingredients and bakery products.

Everything that we do has farmers at the heart of it. We are a company created and owned by farmers and Limagrains Field Seeds exists to supply farmers with the best genetics so they can be as profitable as possible. Limagrains Field Seeds is unique among global seed companies to have this model of farmer ownership and leadership and it is something, for which we are incredibly proud.

Limagrains UK has dedicated breeding programmes in Lincolnshire and Suffolk, developing new varieties of barley, wheat, oilseeds, pulses and fodder. We also market extensive portfolios of maize, pulses, sugar beet, agricultural and amenity grasses, gamecover and environmental crops.



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