

Sartorial

winter wheat

Agrovista
exclusive

Now in its third year of commercial production, Sartorial has become a firm favourite with Agrovista customers.

Despite three very different seasons since its launch to the market in 2019 Sartorial has consolidated its position as a consistent performer, supported by its quick autumn establishment, robust disease resistance and excellent specific weight.

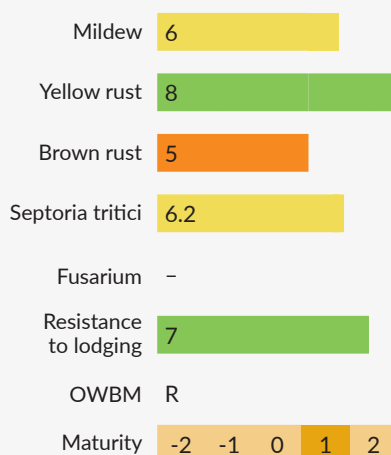


Sartorial, direct-drilled 10th Oct 2021 following Linseed. Newbury. Courtesy JCH Farming.

SARTORIAL

Group 4 Hard

- Excellent establishment capability backed by Agrovista in-house trials
- Vigorous growth habit akin to Siskin with higher yield and spec weight
- Equal YR and 6+ Septoria tritici resistance
- OWBM resistant
- Santiago parentage plus higher spec weight boosts light land performance while rapid, competitive early season development offers later drilling benefits with challenging seedbeds
- Agrovista Exclusive



REGION	YIELD
UK	(103)
EAST	(103)
WEST	(103)
NORTH	(104)
Untreated yield	(86)
First cereal	(103)
Second cereal	(103)
Light soils	(103)
Heavy soils	(103)
Spec. weight	77.3



Sartorial has featured in Agrovista regional trials for three years and UK National List trials prior where its rate of emergence was identified. The ability to overcome difficult seedbeds such as can be found in minimum tillage situations clarified its potential as a mainstream Group 4 variety.

Sartorial's rapid autumn establishment is exhibited in both plants established in the autumn and green leaf area in February/March.

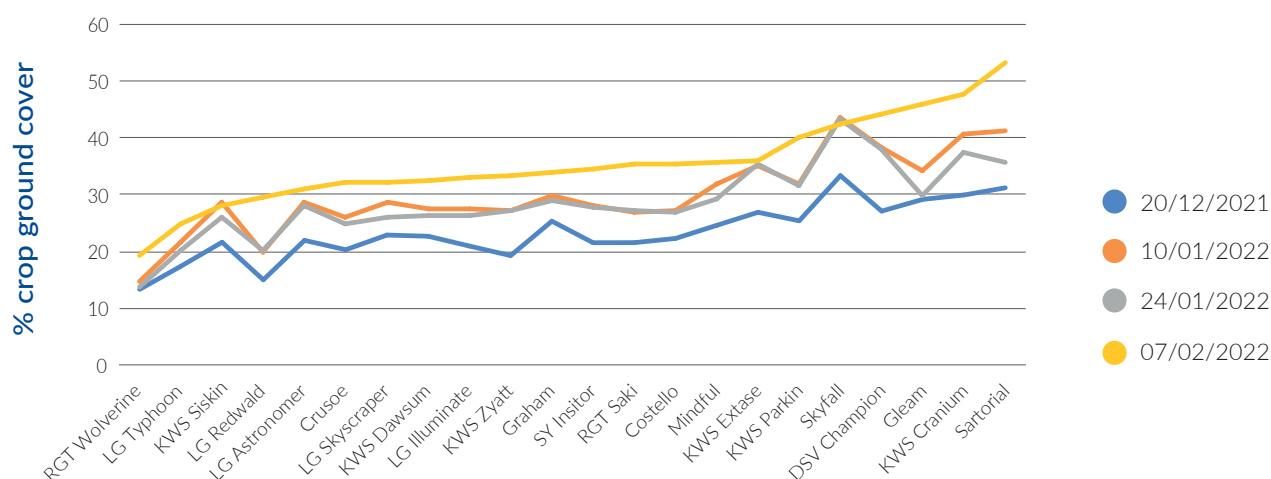
Treated mean yield

	2019-2021	2019	2020	2021
	n=9	n=3	n=2	n=4
SARTORIAL	103	103	107	101
GLEAM	102	101	101	103
LG SKYSCRAPER	100	98	101	100
KWS ZYATT	100	101	98	99
CRUSOE	96	98	96	95
SKYFALL	95	97	92	96

Source: AgX regional trials 2019-2021

WHEAT VARIETIES

Canopy measurements autumn 2021-22 AHDB Candidate and RL varieties



Source: AgX regional trials 2021-22



AgX Trials Framlingham, Suffolk. High tillage situation. RGT Gravity on left, Sartorial on right.

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I find Sartorial an ideal choice to follow maize. Direct-drilled at 200kgs/ha (425 seeds/m²) mid-October into clay loam gives growers reassuring rapid emergence

Rob Purvis

Agrovista Agronomist, South East

Field Observations 17/1/22

(0 = poor 5 = excellent)

Variety	Plant vigour	Root vigour	Plant health	Other observations
GRAHAM	3	4.25	3.5 <i>More disease, yellowing and dead tissue</i>	<i>Worse slug damage</i>
GLEAM	3.5	4.25	3.5 <i>More disease, yellowing and dead tissue</i>	<i>More stoney/flinty soil?</i>
EXTASE	5	4.25	5	<i>Best soil?</i>
DAWSUM	5	4	4.5	<i>Worse slug damage</i>
SARTORIAL	4.5 <i>Thinner leaf than Dawsum and Extase</i>	5 <i>Longest roots</i>	4.5	<i>More stoney/flinty soil?</i>

Agrovista agronomist Quentin Ham compared Sartorial emergence early January 2022 at Wantage in Oxfordshire against four key AHDB Recommended List varieties looking at such characteristics as plant and root vigour and general plant health within the vegetative winter stage.

While KWS Extase showed marginally better plant vigour, Sartorial clearly had longer roots despite being on a stonier part of the field, see table above.

Catriona Bancroft, Agrovista Agronomist Scottish Borders, has made a similar observation on one of her customer's farms 800 ft above sea level, where the soil is light and loose and struggles to retain nutrients.

"The agronomy aim is to have the wheat well-tillered and strong coming out the winter. Both varieties, KWS Extase and Sartorial, have achieved this in Spring 2022 with the Extase definitely "leggy".



The exciting difference between the two is in the rooting, Sartorial plants are much more resistant to come out the ground when pulled and when laid alongside Extase have a much bigger root ball. This characteristic of Sartorial should make it more able to forage for nutrients if we have a dry spell in spring and stay anchored if wet, particularly in this sandy loam soil."



Sartorial disease resistance

2021 was a significant disease pressure year with yellow and brown rust attacking key AHDB RL varieties and a highly virulent strain of Septoria tritici negatively impacting resistance ratings on Cougar-related varieties.

Sartorial has quite unusual genetics relative to many currently in the market with Santiago, Cordiale and Soissons within its lineage. Santiago was one variety where yellow rust resistance improved in its latter years.

While some levels of yellow rust were observed in Sartorial in high pressure situations, the variety nevertheless resisted the disease well in 2021. We have adjusted the resistance score to an '8' for the 2022/23 season to reflect this.



Photo taken 21 June

At Kelso in the Scottish borders, Sartorial once again proved its value with notable disease resistance, illustrated by its minimal yield difference between treated and untreated. Coupled with very high specific weight on par with KWS Dawsum and notably better than KWS Extase untreated.

Kelso, scottish borders, winter wheat variety trial

Drilling date: 18/9/20

Ranked by treated yield

Yield						Specific weight		
Variety	Seed treatment	Group	17/08/21				19/08/21	
			Untreated	Treated	Increase		Untreated	Treated
GLEAM	Vibrance Duo	Hard 4	9.84	10.08	+ 0.24		76.6	75.1
KWS DAWSUM	Redigo Pro	Hard 4	9.96	10.07	+ 0.11		78.4	77.9
SARTORIAL	Redigo Pro	Hard 4	9.72	9.88	+ 0.16		78.2	77.2
RGT SAKI	Redigo Pro	Soft 4	9.27	9.85	+ 0.58		75.2	74.9
KWS PARKIN	Redigo Pro	Hard 4	8.52	9.71	+ 1.19		76.6	75.5
LG SPOTLIGHT	Redigo Pro	Soft 4	8.97	9.70	+ 0.73		77.0	76.6
KWS ZYATT	Redigo Pro	Group 1	8.72	9.68	+ 0.96		76.6	76.8
KWS EXTASE	Redigo Pro	Group 2	8.93	9.64	+ 0.71		76.6	77.1
LG ILLUMINATE	Redigo Pro	Group 3	8.22	9.19	+ 0.97		75.6	75.3
CRUSOE	Redigo Pro	Group 1	7.67	9.18	+ 1.51		75.8	76.1
LG ASTRONOMER	Redigo Pro GPA	Group 3	7.58	9.08	+ 1.50		75.8	75.8

Source: Extract from AgX winter wheat trial Kelso harvest 2021