

KWS SOLITAIRE



- +A biscuit wheat with a 'High' distilling rating
- +Reasonable disease resistance and light-land suitability

Breeder:

KWS, UK

Parentage:

Sundance x Shabras

Status:

Biscuit, Distilling & Export (Provisional)

AHDB regional recommendation:

UK

A relatively new biscuit that came on to the UK Recommended List a year behind Bamford. It has very high yields in both official (106% treated, 87% untreated) and Agrii trials over the past two years (107% treated, 81% untreated). Average physical grain quality (76.8 kg/hl) and lower HFN (179s) so it should be given priority at harvest. Its best performance has been in the west (107% treated) and north (106% treated) in AHDB trials. It is rated 'High' for distilling and provisionally approved for export under uks.

Suitable for all soil types and regions of the UK including area of high sterility risk. Best drilled in the main drilling window through to the end of December. It is an acceptable second wheat trials suggest that it is still best grown as a first wheat as it is susceptible to stem base diseases. It has a strong spring growth habit and is moderately tall (91 cm) but relatively weak even treated (RL 6; Agrii 6) so a robust PGR programme is essential. Medium-early maturity (RL 0; Agrii +1).

Average disease resistance against mildew (5), yellow rust (RL 6; Agrii 5) and Septoria tritici (RL 6; Agrii 7) but weaker against brown rust (RL 5; Agrii 4) and eyespot (4.8). Resistant to orange wheat blossom midge.

Agrii yield & grain quality - Agrii 2 yr mean (min 15 trials)

UK fungicide treated yield (% controls)	107
Untreated yield (% controls)	81
Specific weight (kg/hl)	74.3

AHDB yield & grain quality - AHDB RL [] = limited data

UK fungicide treated yield (% controls)	106
East fungicide treated yield (% controls)	105
West fungicide treated yield (% controls)	107
North fungicide treated yield (% controls)	106
Untreated yield (% treated controls)	87
Specific weight (kg/hl)	76.8
Ration for distilling quality	High
Hagberg Falling Number	179

Disease ratings (black = AHDB RL data) Red = Agrii data

Mildew resistance (1-9)	[4.8]	[4.8]
Yellow rust plant susceptibility before GS32-33	Susceptible	
Yellow rust resistance (1-9)	5.9	5.0
Brown rust resistance (1-9)	5.2	3.8
Septoria tritici resistance (1-9) 3 year rating	6.4	6.6
Stem Based Disease Complex (Agrii 2023)	[[S]]	
Eyespot resistance (1-9)	4.8	-
Carries PCH1 Rendezvous gene for Eyespot resistance	No	
Fusarium ear blight resistance (1-9)	5.4	-

Agronomic characters

Black = AHDB RL data, red = Agrii data [] = limited data

Lodging resistance - PGR untreated (1-9)	4.9	[5]
Lodging resistance - PGR treated(1-9)	6.0	[6]
Height - PGR untreated (cm)	91	-
Maturity (days +/- Skyfall)	0	[+1]
Agrii grassweed competitiveness rating	***	
OWBM resistance (breeder claim)	Yes	
BYDV tolerance (breeder claim)	No	

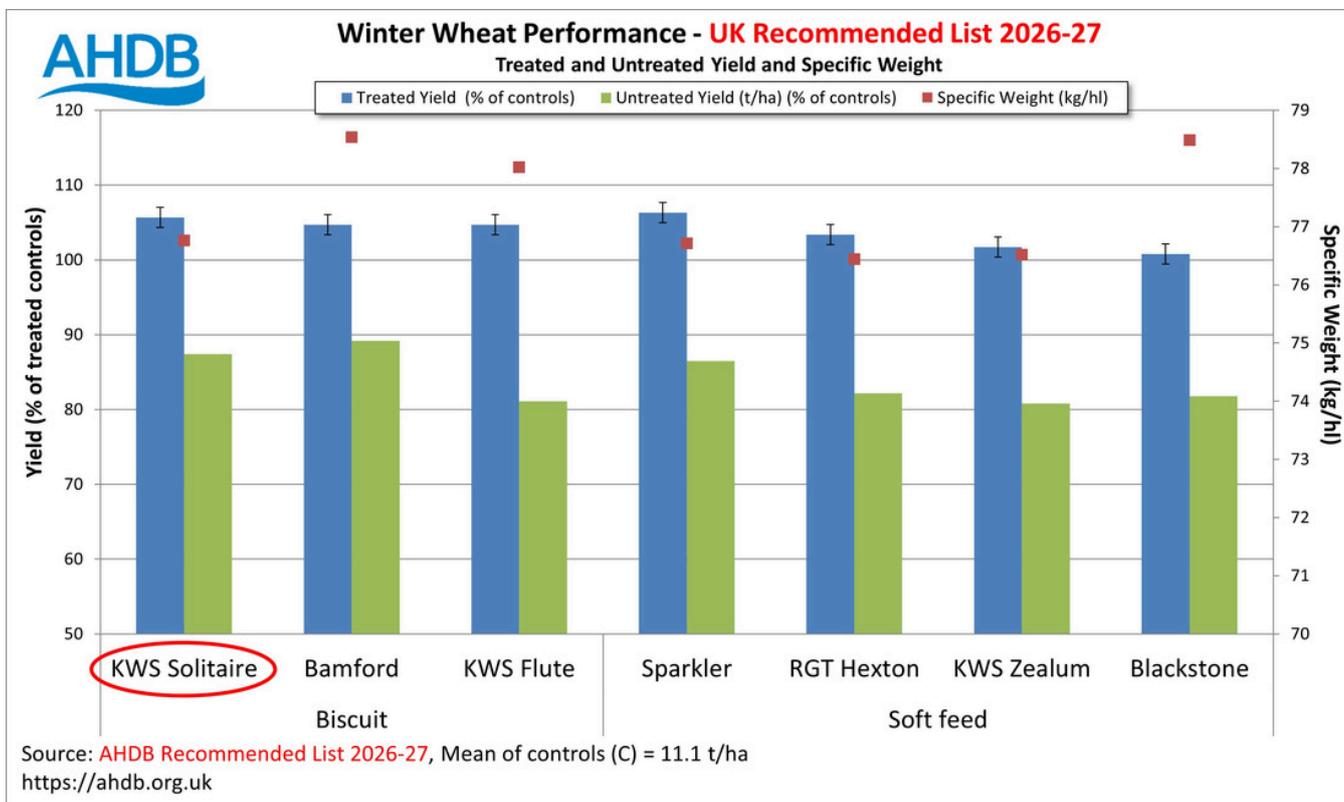
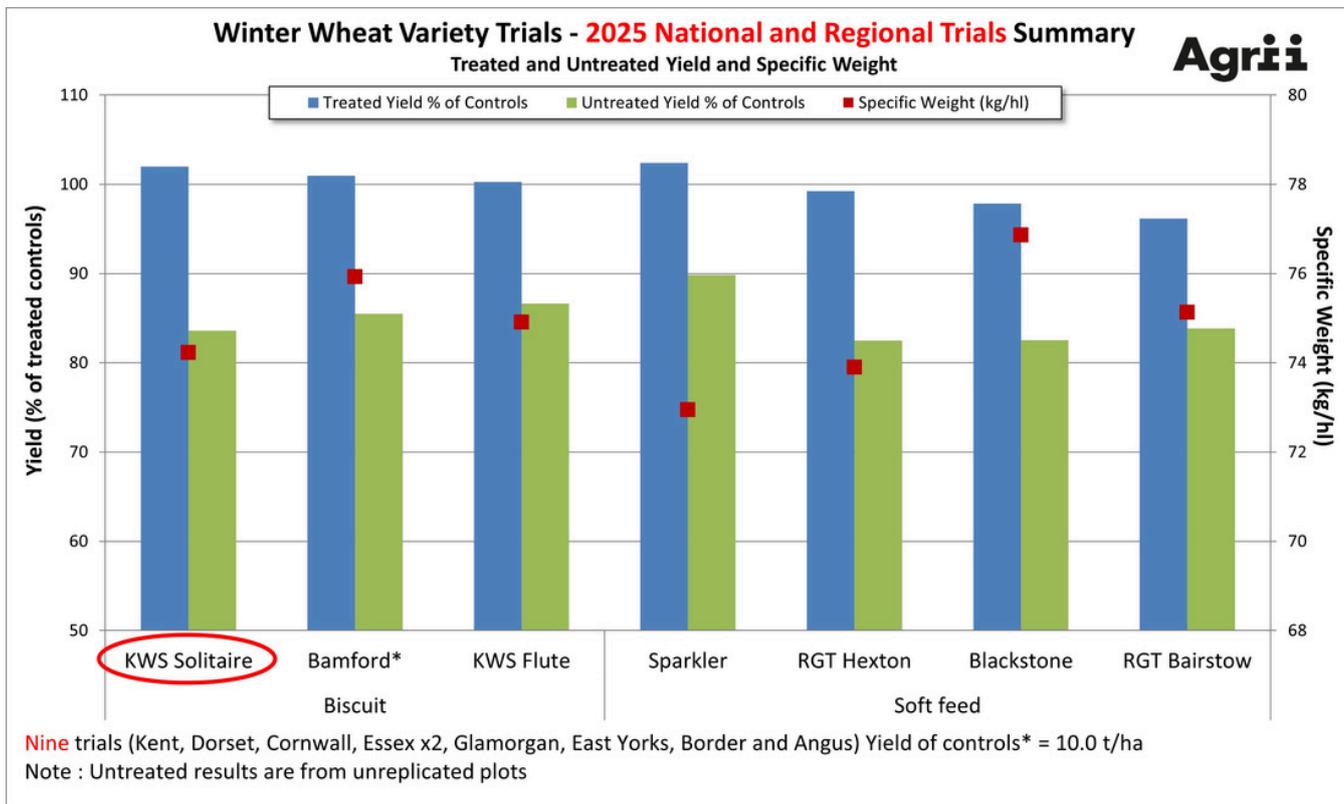
Agrii intelligence - complementary information

[] = limited data

Yield consistency	High
Yield 'resilience' under disease pressure	Medium
Agrii yellow rust diversification group	E2
2nd v 1st wheat relative performance	Medium
Soil type suitability	[Heavy+ light]
Suitability to drill early (before 15th Sept)	No
Latest optimum drilling date	[End Dec]
AHDB latest safe sowing dates (breeder: see notes)	[End Jan]
Suitable for regions of high sterility risk	[Yes]
British Cereal Exports (BCE) rating	uks
SRUC Scottish RL Status	Recommended
Variety Sustainability Rating (Max 42)	Low

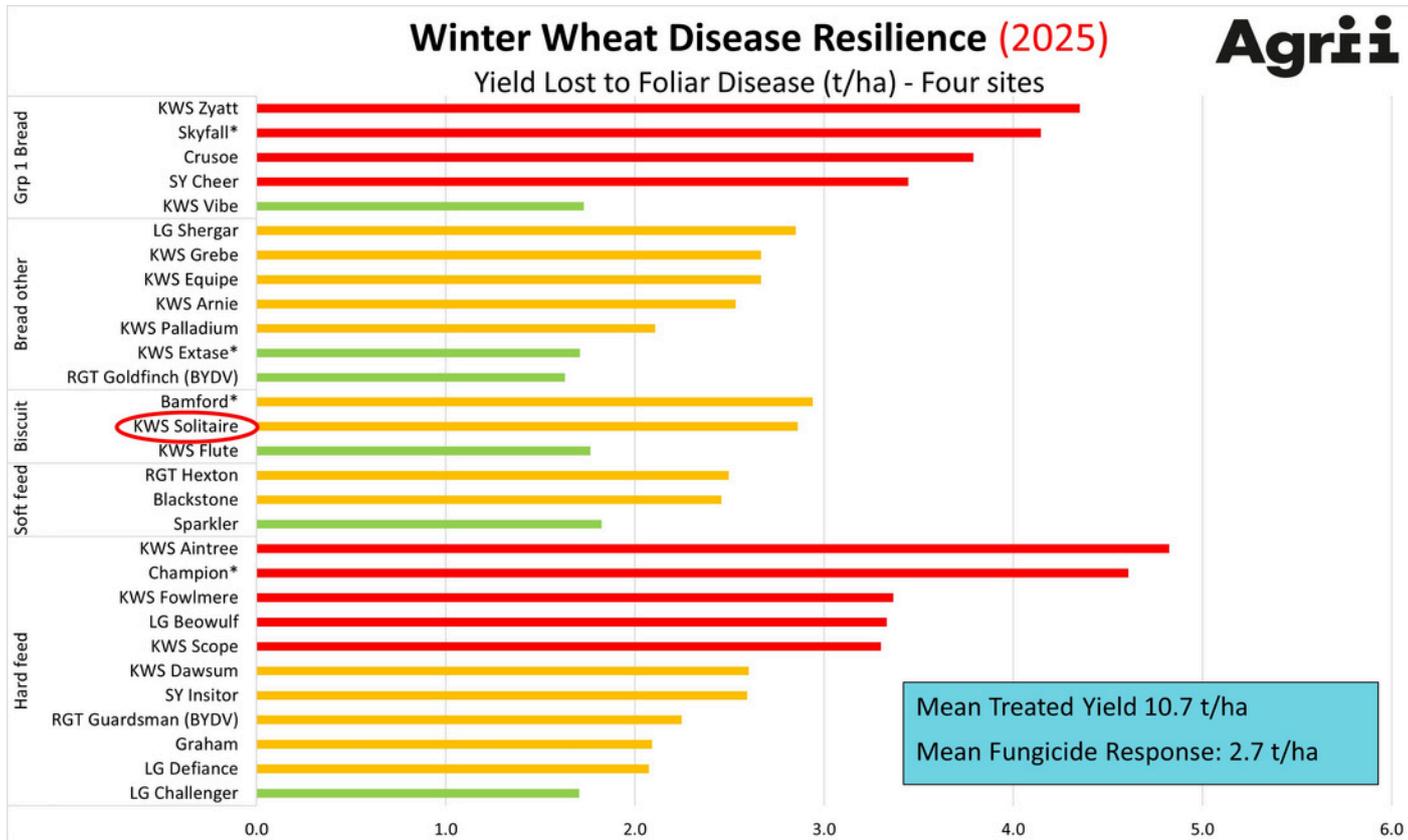
Note: Specific weights are assessed in the field and are consistently below those of cleaned samples.
Full RL dataset is available from AHDB at www.ahdb.org.uk

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