WINTER WHEAT

KWS PALLADIUM

+ A good choice to grow alongside KWS Extase
+ Short, stiff and good all-round disease resistance

Looks like a good partner to grow alongside KWS Extase with similar high yields (98% treated, 92% untreated). Accepted by the millers as a Group 2-type but not approved for ukp export. Grain quality is good with Hagberg Falling Number 305, a slightly lower specific weight (77.6 kg/hl AHDB) and a protein content of 12.2%.

Suitable for all regions including areas of high sterility risk. Performs well across soil types and is an acceptable choice as a second wheat. It can be drilled slightly earlier than KWS Extase but best grown from the last week of September. Medium length straw, decently stiff straw treated (7.7) (8) and untreated (7). Relatively early maturity (-1) (-1) and has good resistance to sprouting,.
A clean variety with a very good disease package with mildew (7.5), yellow rust (8.8) (8.3), brown rust (5.2) (4.1) and Septoria tritici (7.3) (6.7).Moderately susceptible to fusarium ear blight (5.5) and not resistant to orange wheat blossom midge.

Breeder
KWS UK LTD

Parentage:
KWS Zyatt x KWS Trinity

Type/status:
Group 2, Milling and Feed. Not approved for ukp export.

AHDB regional recommendation:
UK

Agrii yield and grain quality **Blue = 2 year mean, minimum 13 trials**	
UK fungicide treated yield (% controls)	**98.3**
Untreated yield (% treated controls)	**92**
Specific weight (kg/hl)	**76.5**

AHDB yield and grain quality - AHDB RL [] = limited data	
UK fungicide treated yield (% controls)	99.6
East fungicide treated yield (% controls)	99
West fungicide treated yield (% controls)	101
North fungicide treated yield (% controls)	99
Untreated yield (% treated controls)	90
Specific weight (kg/hl)	77.6
Protein content (%) - milling specification	[12.2]
Hagberg Falling Number	305

Disease ratings (black = AHDB RL data, red = Agrii data)		
Mildew resistance (1-9)	7.5	-
AHDB yellow rust susceptibility before GS32-33	Resistant	
Yellow rust resistance (1-9)	8.8	8.3
Brown rust resistance (1-9)	5.2	4.1
Septoria tritici resistance (1-9) 3 year rating	7.3	6.7
Stem Based Disease Complex (Agrii 2023)		VS
Eyespot resistance (1-9)	5.5	-
Carries PCH1 Rendezvous gene for Eyespot resistance	No	
Fusarium ear blight resistance (1-9)	6.0	[MS]

Agronomic characters Black = AHDB RL data, red = Agrii data		
Lodging resistance - PGR untreated (1-9)	7.7	7
Lodging resistance - PGR treated(1-9)	7.7	7
Height - PGR untreated (cm)	84.7	-
Maturity (days +/- Skyfall)	-1	-1
Agrii grassweed competitiveness rating	[***]	
OWBM resistance (breeder claim)	No	
BYDV tolerance (breeder claim)	No	

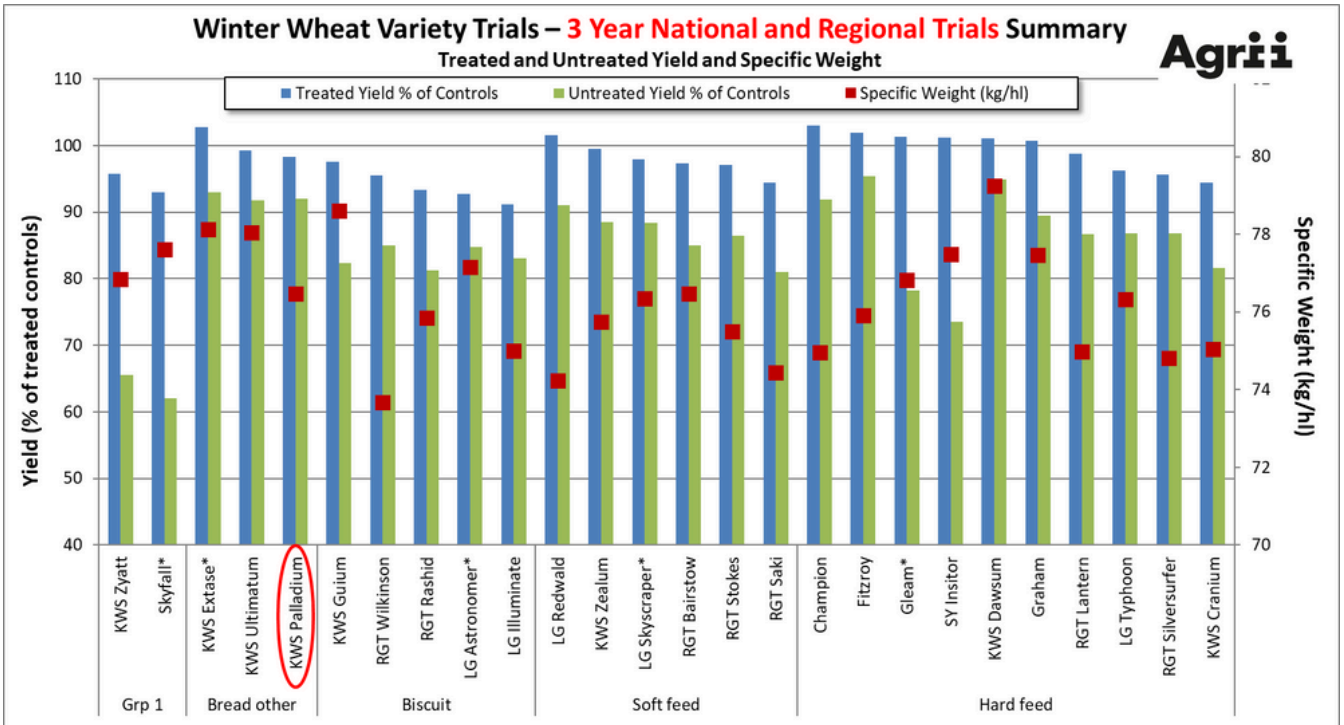
Agrii intelligence - complementary information **[] = limited data**	
Yield consistency	High
Yield 'resilience' under disease pressure	Very High
Agrii yellow rust diversification group	B1
2nd v 1st wheat **relative** performance	[Acceptable]
Soil type suitability	[Heavy& Light]
Suitability to drill early (before 15th Sept)	Not ideal
Latest **optimum** drilling date	End Dec
AHDB latest **safe** sowing dates (breeder: see notes)	End Jan
Suitable for regions of high sterility risk	No
British Cereal Exports (BCE) Rating	-
SRUC Scottish RL Status **2024/25**	P2
Variety Sustainability Rating (Max 42)	Very High

Key: MS = Moderately Susceptible TNC = Testing not complete

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

Winter Wheat Variety Trials – 3 Year National and Regional Trials Summary

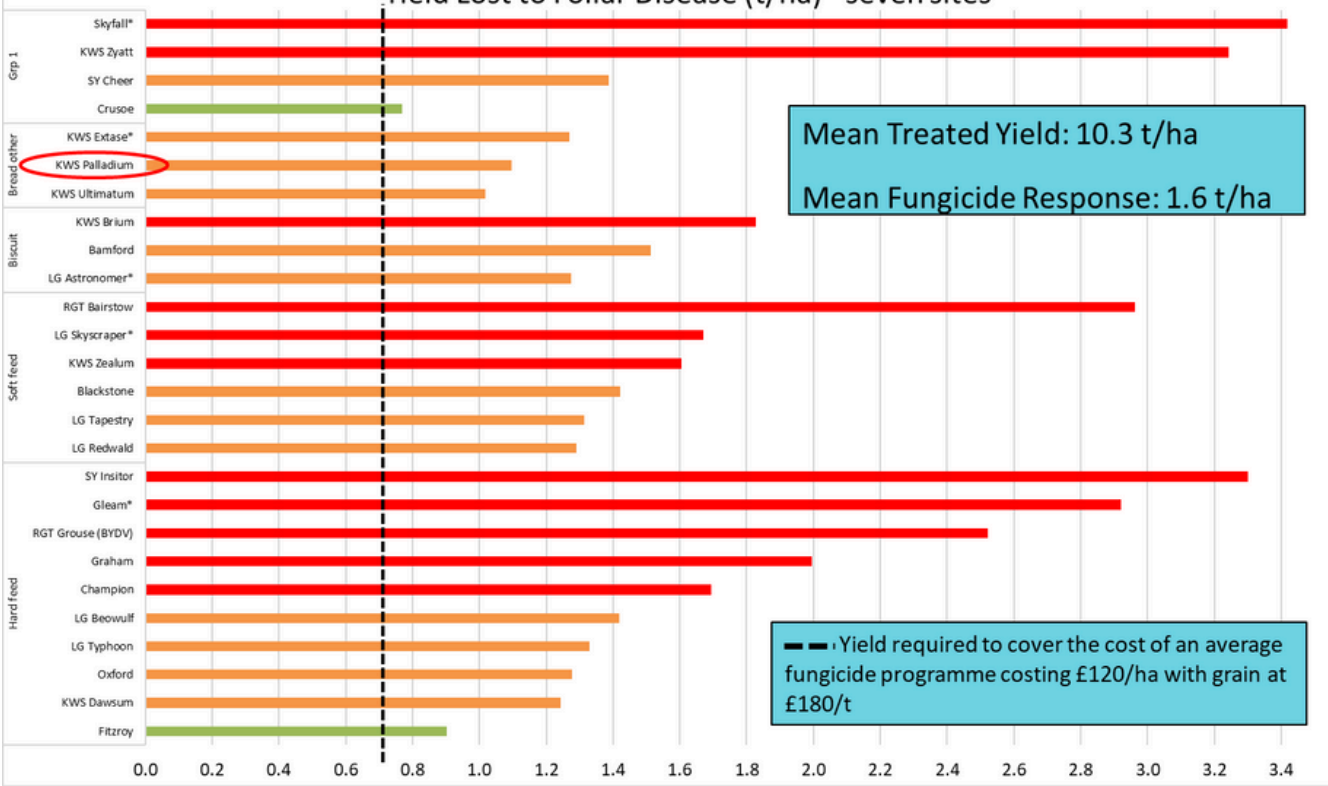
Treated and Untreated Yield and Specific Weight



Source: Mean of Thirty three trials over three years. Mean yield of controls = 10.5 t/ha

Disease Resilience (2023)

Yield Lost to Foliar Disease (t/ha) - seven sites



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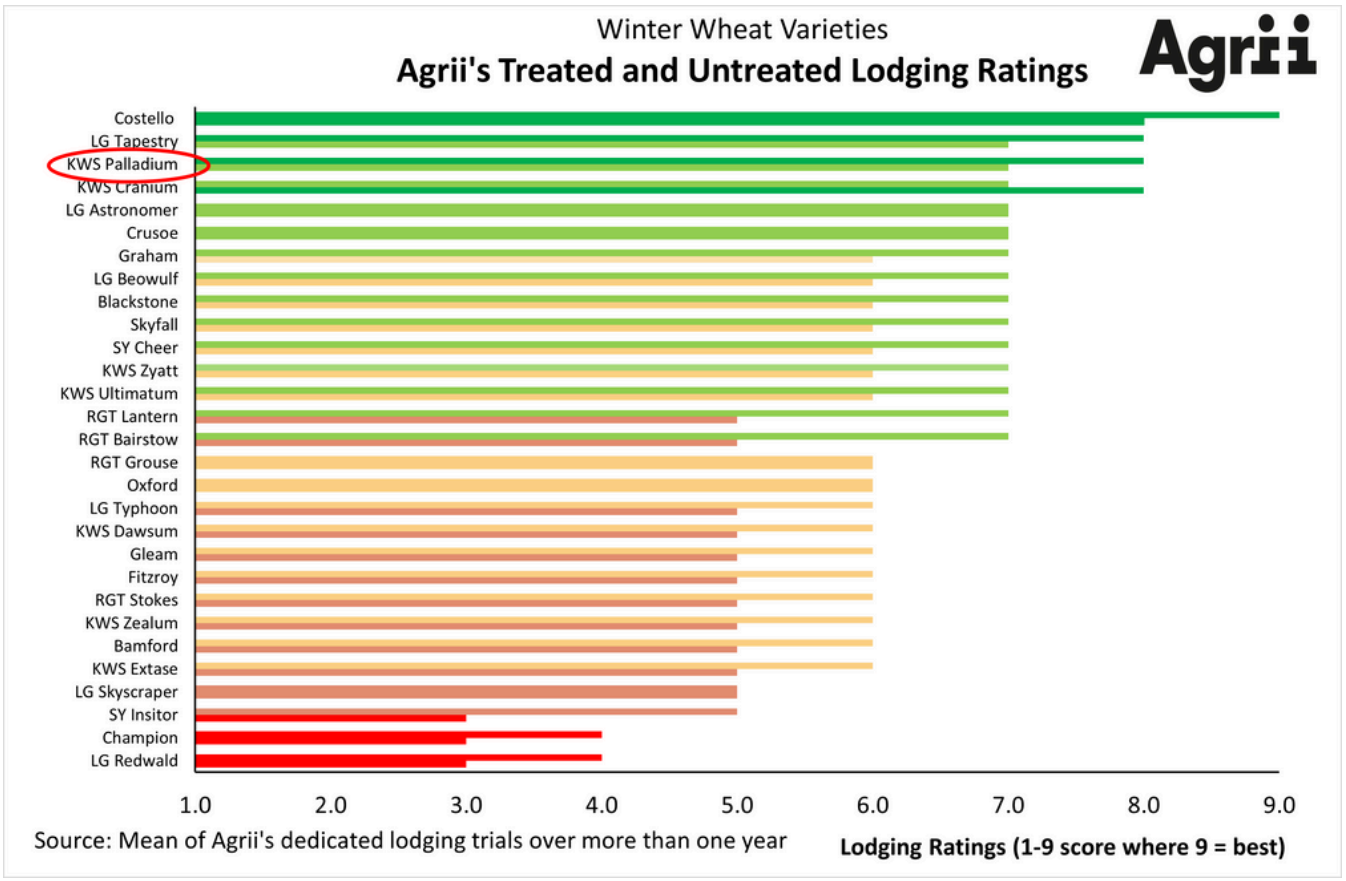
Agrii™



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