

SY CHEER



- + The latest Group 1 wheat under evaluation by UK millers
- + Improvement in disease resistance compared with existing Group 1 varieties

A new group 1 milling wheat with agronomic improvements but it yields around the same level as the established varieties. Good grain quality with HFN 299s, specific weight 79.5kg/hl and high protein (13.0%). It has one more year of tests before it is fully approved as a Group 1 type. Not approved for export under uks.

Best drilled as a first wheat. It is a slightly taller variety (90.5 cm) but its straw strength is acceptable when treated with pgr (7) (7). Reasonable disease ratings for mildew (7.6), yellow rust (7.4) (8.3), Septoria tritici (6) (6.3) and slightly weaker on brown rust (5.5). It is later to mature (+1) (+2) and not resistant to orange wheat blossom midge.

Breeder:
Syngenta UK

Parentage:
KWS Trinity x Expert

Status:
Group 1, milling (Provisional)

AHDB regional recommendation:
UK

Agrii yield & grain quality - Agrii 3 yr mean (min 21 trials)

UK fungicide treated yield (% controls)	94
Untreated yield (% controls)	80
Specific weight (kg/hl)	74.1

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

UK fungicide treated yield (% controls)	97
East fungicide treated yield (% controls)	97
West fungicide treated yield (% controls)	98
North fungicide treated yield (% controls)	[98]
Untreated yield (% treated controls)	84
Specific weight (kg/hl)	79.5
Protein content (%) - milling specification	13.0
Hagberg Falling Number	299

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

Mildew resistance (1-9)	7.6	-
Yellow rust plant susceptibility before GS32-33	TNC	
Yellow rust resistance (1-9)	7.4	8.3
Brown rust resistance (1-9)	5.5	4.9
Septoria tritici resistance (1-9) 3 year rating	6.0	6.3
Stem Based Disease Complex (Agrii 2023)		[VS]
Eyespot resistance (1-9)	3.5	-
Carries PCH1 Rendezvous gene for Eyespot resistance	No	
Fusarium ear blight resistance (1-9)	[6.5]	TNC

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

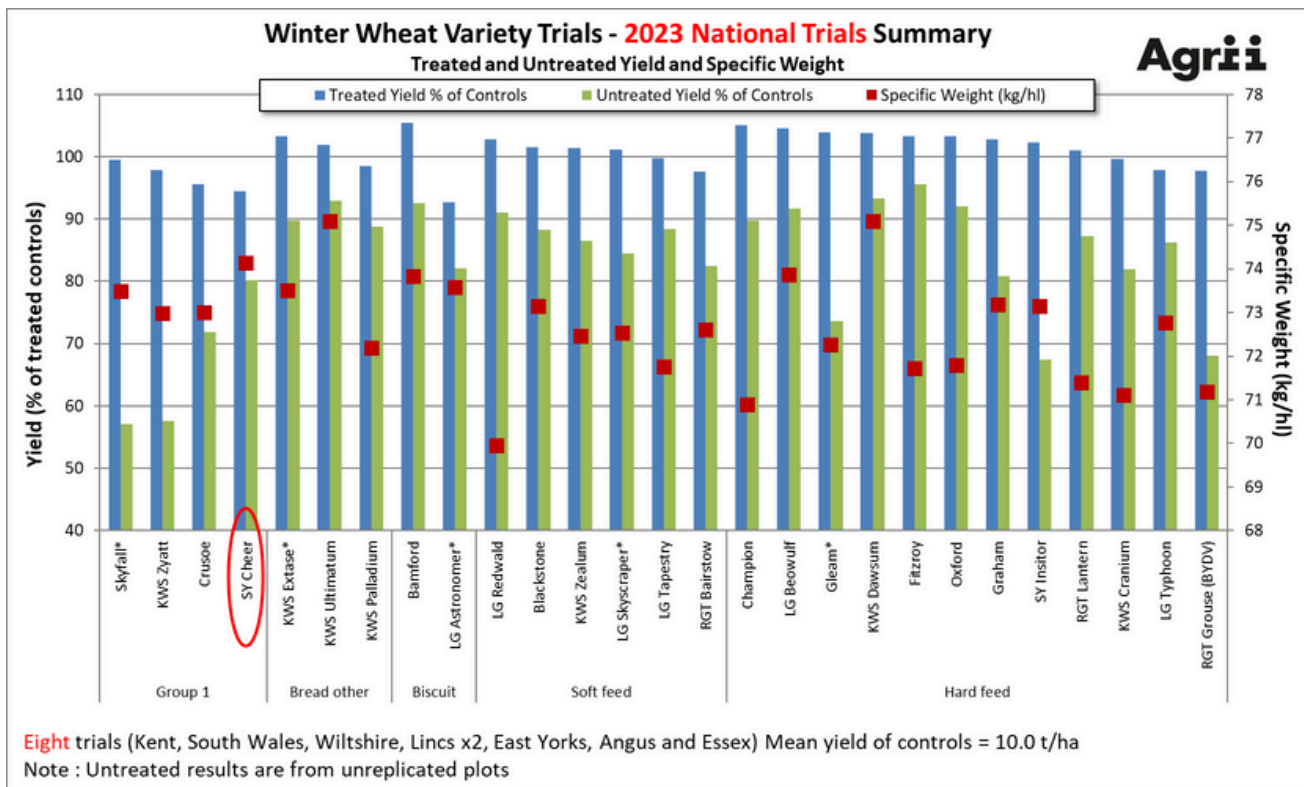
Lodging resistance - PGR untreated (1-9)	7.8	[6]
Lodging resistance - PGR treated(1-9)	7.2	[7]
Height - PGR untreated (cm)	90.5	-
Maturity (days +/- Skyfall)	+1	[+2]
Agrii grassweed competitiveness rating	TNC	
OWBM resistance (breeder claim)	No	
BYDV tolerance (breeder claim)	No	

Agrii intelligence - complementary information
[] = limited data

Yield consistency	High
Yield 'resilience' under disease pressure	High
Agrii yellow rust diversification group	B1
2nd v 1st wheat relative performance	Poor
Soil type suitability	[Heavy+ light]
Suitability to drill early (before 15th Sept)	No
Latest optimum drilling date	[End Jan]
AHDB latest safe sowing dates (breeder: see notes)	[End Jan]
Suitable for regions of high sterility risk	TNC
British Cereal Exports (BCE) rating	-
SRUC Scottish RL Status 2024/25	Not recommended
Variety Sustainability Rating (Max 42)	High

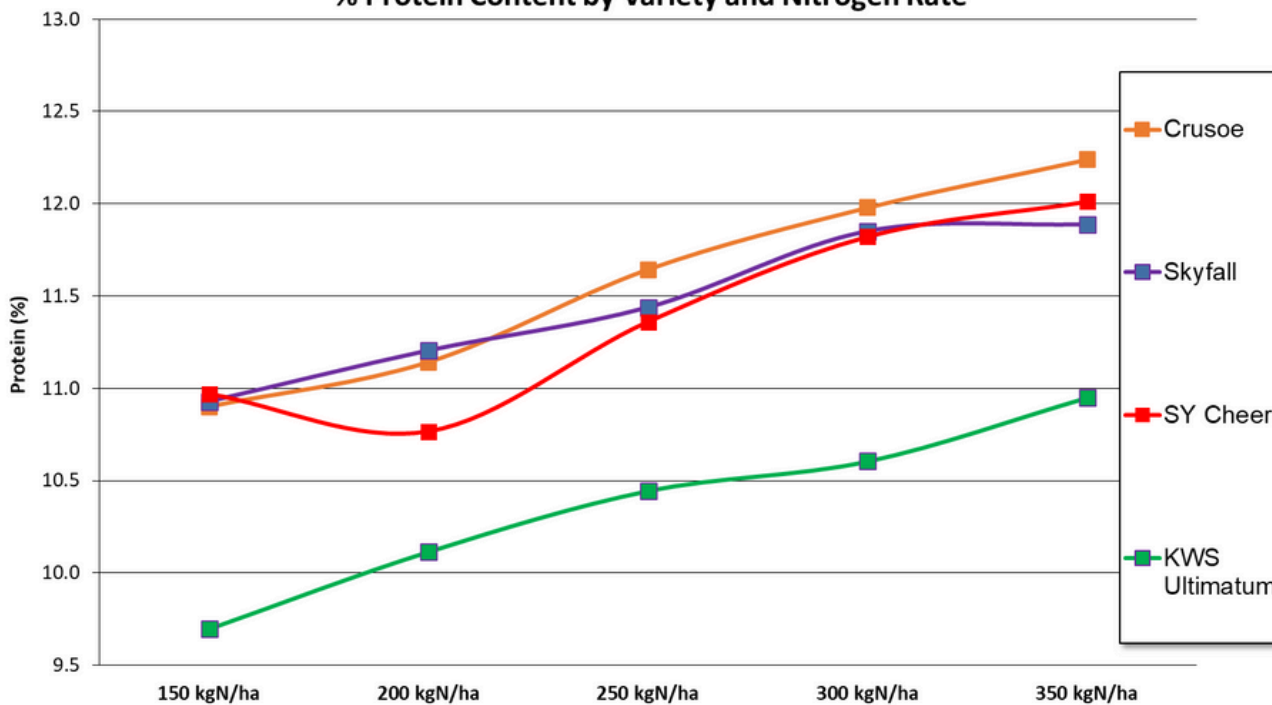
Note: Specific weights are assessed in the field and are consistently below those of cleaned samples. Full RL dataset is available from AHDB at www.ahdb.org.uk

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Milling Wheat Variety x Nitrogen Trials, 2023

% Protein Content by Variety and Nitrogen Rate



Source: Agrii trials. Mean of 2 site (Light land site, Wilbrham, Cambs, and Heavy land site, Throws, Essex)

Note: Specific weights are assessed in the field and are consistently below those of cleaned samples.