

**TYPE:** Hybrid Rye

**STATUS:** Descriptive List 2024

Exceptionally fast development through the spring makes SU Karlsson the leading hybrid rye for biogas production. New genetics from Hybro/SU, SU Karlsson is a further step forward in breeding from its predecessors, presenting further genetic disease improvements and yields. With outstanding spring vigour, impressive standing ability, and strong disease resistance, including resistance to brown rust, SU Karlsson offers reliability and flexibility for various cropping systems and end uses. Whether harvested for grain, forage, or bioenergy, SU Karlsson's versatile traits make it a valuable choice for maximising output and performance across different applications.

## YIELD PERFORMANCE

UK treated grain yield	Fresh weight forage Tn/ha	DM yield Tn/ha	Total gas yield m3/ha
102%	46.33	18.72	105%

In 2023 SU Karlsson out-yielded Saaten Union and Competitor material in biogas trials. 18.72t/ha Dry Matter and 105% total Gas Yield, 5% higher than the control (SU Performer).

## DISEASE RESISTANCE

### Brown rust

[7]

Disease resistance is a step change in SU Karlsson with a 7.1 for brown rust resistance.

## AGRONOMIC PERFORMANCE

Lodging treated (%)	Height
[5]	[135cm]

Strong results through screening process and standing ability.

## QUALITY

Spec weight kg/hl	Protein
77.9	9.2

Suitable for grain harvest due to its excellent grain characteristics. SU Karlsson's quality parameters are positive with good Specific weight and 9.2% Protein.

## ROTATION

Optimum rye drilling window is mid-September, suiting a rotational position behind an early harvest crop. SU Karlsson can be stretched into October comfortably with its good vigour and brown rust resistance.