

Sensas



- *Spring milling wheat with fast development, suitable for drilling from July onwards*
- *Consistently high grain quality and milling characteristics*
- *Good overall disease resistance*
- *Fully awned cultivar with good straw strength*
- *Only true spring wheat available on the market*

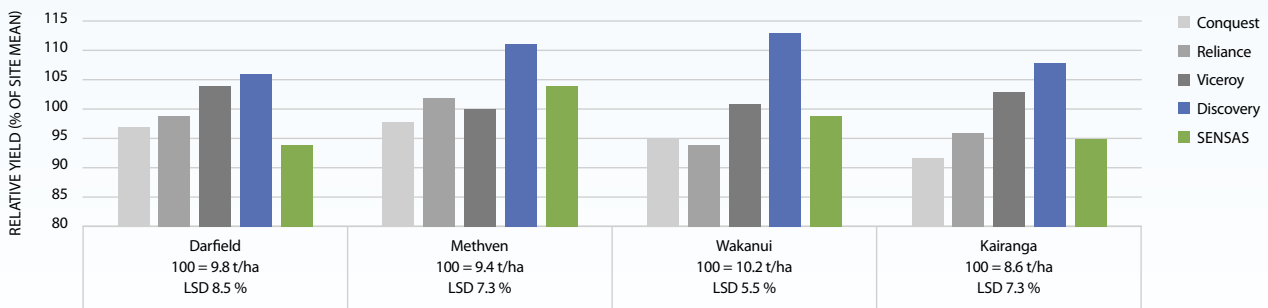
Description

SENSAS is a French bread wheat from RAGT (formerly Serasem) in France and has been developed in New Zealand by PGG Wrightson Grain (PGW Grain). It is a true spring wheat that develops quicker than any other wheat cultivar on the market making it the ideal choice for later spring plantings and plantings from late July where the availability of late season moisture is unreliable (e.g. limited or no irrigation).

Yield

SENSAS is the only true spring wheat. It reaches maturity earlier than any other of the spring wheat options and it has excellent sprouting resistance. Together these qualities allow for greater flexibility with drilling and harvesting. It is preferred by millers as it has plump grain with high protein and falling number that readily meets milling specifications.

FAR (CPT) SPRING SOWN TRIALS (4 YEAR MEAN)



CPT SENSAS Spring grain quality (4 year mean)	Lower North Island	Canterbury
Test weight (kg/hl)	79	79
Screenings (%)	0.7	0.6
Kernel weight (1000 seed weight)	47	45
Protein content (%) (N% X 5.7)	12.6	12.6
Falling number (sec)	362	371

SENSAS has excellent kernel characteristics, especially high test weights and low screenings. It has a high falling number and low pre-harvest sprouting susceptibility. These traits along with its disease profile make it an easy care, low risk cultivar.

Time of drilling

SENSAS is a fast developing cultivar which must be drilled in the appropriate drilling window to minimise the risk of frost damage during the flowering phase and also bird damage during the later stages of maturity. It has a recommended drilling window from August through to the mid October. It can be drilled later than this since its fast development helps to shorten the interval to harvest, although as with any cultivar, yield may be reduced from late planting.

Speed of development

Month planted	Typical heading dates for SENSAS in Canterbury
Early August	Late November
Mid September	Mid December

SENSAS is rated as an early maturing cultivar at harvest.

Seed rate and tillering characteristics

SENSAS has moderate tillering ability and seed rate trials have shown that target plant populations should be within the standard seed rate guidelines published by PGW Grain (pg 5).

Soil type, rotation and geography

SENSAS is suitable for all New Zealand spring wheat growing regions, although drilling date needs to be planned carefully in areas which are prone to late season frosts. Its optimum yield and grain quality performance is most likely to be achieved with irrigation or regular rainfall.

Disease resistance

SENSAS has a good disease resistance profile, being moderately resistant to stripe rust and powdery mildew, with intermediate resistance to leaf rust. Considering this disease profile as a spring wheat, SENSAS can be grown with a reduced fungicide programme. Please contact your local PGW Representative for site specific recommendations.

Disease resistance results:

Disease	PGW disease nursery ratings (9 highly resistant, 1 highly susceptible)	CPT Spring sown cultivar ratings
Stripe rust	7	Moderately resistant
Leaf rust	7	Intermediate resistance
Powdery mildew	8	Moderately resistant
<i>Fusarium</i> head blight	7	Moderately susceptible
BYDV	6	Moderately susceptible

Straw strength and height

SENSAS is a medium height cultivar with good standing power. A plant growth regulator (PGR) programme should be considered for high yielding crops when under irrigation. Use of PGRs is generally recommended, with the actual programme determined by a combination of sowing date, seed rate, nitrogen use, crop thickness and yield potential. Please contact your local PGW Representative for site specific recommendations.