



## High Quality Bread Wheat Growers Guide

### **Sowing Date – late April to mid spring flexibility,**

Conquest is an early maturing facultative type (needs no cold vernalization). Flowering date is influenced by day length and is 3-4 days earlier than Vanquish and 3-4 days later than Aquilla). It is well suited to sowings from very late April in both dryland and irrigated conditions through to mid spring, although the optimum sowing window is mid May to mid Aug in Canterbury.

Low to medium bread wheat sowing rates are recommended (seed size may be smaller than average and has medium tillering ability). Shoot emergence length will be between Otane/Kohika and Vanquish, so take care not to sow too deep (3-4 cm)

### **Nitrogen**

Timing is more critical for facultative wheats and should be slightly earlier than for winter wheats as development will be faster and all growth stages will have shorter intervals. Protein levels are naturally high, so yield should be the primary nitrogen management focus.

### **Disease Tolerance**

Conquest has good tolerance to seedling and adult stripe rust and, and medium tolerance to fusarium and leaf rust, with **moderate susceptibility to mildew**, allowing low to medium fungicide inputs to be used on Conquest crops, but they should always be monitored for susceptibility to new races of diseases. Good early mildew control and a good ear wash fungicide is recommended. It has good BYDV tolerance.

### **Good Straw Strength**

Conquest is shorter than Regency with very good straw strength, but growth regulators are advised on all early (May/June) sown crops and where yield potential is 8 t/ha plus. Use 1.25 l/ha Cycocel + 200mls/ha Moddus at GS 30-31 (32 if missed). 1.5 - 2 L Cycocel alone could be used in many low risk conditions.

### **Consistent Grading Results**

It has extremely good resistance to sprouting and also produces high initial falling number values, better than Torlesse and Bakker Gold. It has very high proteins (similar to Monad). It consistently produces medium to good values for test weight and screenings. Seed size is consistently within the 38-44g/1000 range.

### **High Yields**

Conquest yields better than Regency/Vanquish from autumn and Torlesse from spring sowing. While any cereals will need adequate fertility and soil moisture to achieve their yield potential, Conquest responds well to wetter conditions and will also finish well in drier conditions.

## Harvesting

Conquest has high initial falling numbers and greater resistance to sprouting than Vanquish, with similar shedding resistance.

Compiled by Ross Hanson - Plant & Food Research. Phone 0274 535 507

*Please note: Neither the seed retailer nor Plant & Food Research shall be liable for any loss, damage or injury howsoever suffered directly or indirectly in relation to the above information. No endorsement of named products or criticism of unnamed products is intended.*

### AGC Contacts:

Chris Thomas	Phone 027 2313 672
Mike Smith	Phone 027 4328 027
Dave Loomes	Phone 027 5329 658



Plant & Food **RESEARCH**  
RANGAHAU AHUMĀRA KAI

