

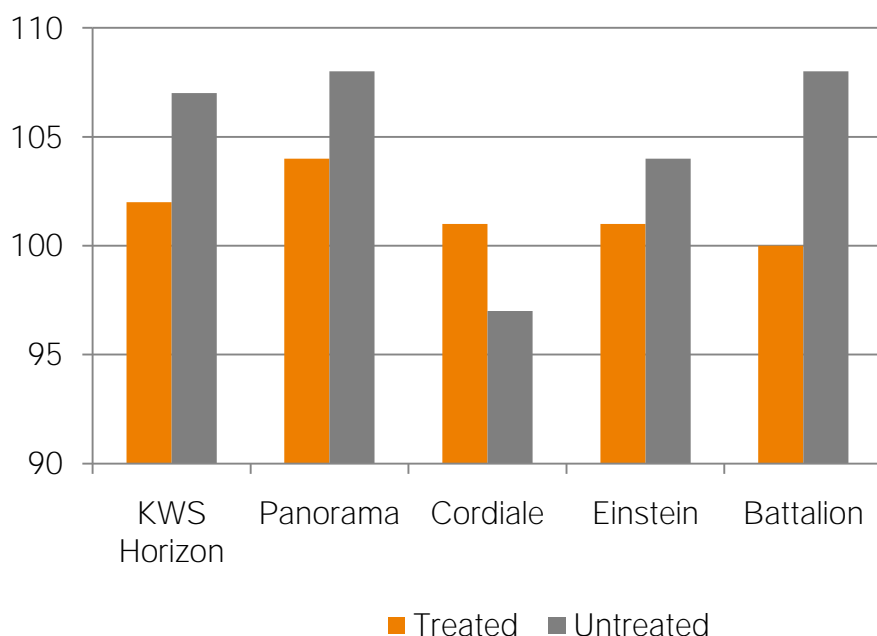
KWS Horizon – Excellent *Fusarium*

- High hard milling wheat
- Excellent grain quality
- Results show exceptionally high yields in the North
- Short, stiff straw
- Excellent disease resistance package



KWS Horizon is a hard milling wheat, with good breadmaking quality, HFN and outstanding specific weight. Yielding about 1% above Einstein and Cordiale, it has especially high yields in the North. It has reasonably short and stiff straw, with a range of disease resistance scores – excellent for eyespot, but only average for brown rust. This can be combated with the correct fungicide programme.

Treated and Untreated yields from 2007 + 2008 trials



Data source: NL1 and NL2 trials 2007 + 2008, winter wheat NL 4yr report

KWS Horizon

Agronomics

| | Lodging % (untreated) | Lodging % (treated) | Height (cm) | Ripeness (days+/-) |
|--------------------|-----------------------|---------------------|-------------|--------------------|
| KWS Horizon | 8 | 7 | 86 | -1 |
| Solstice | 8 | 9 | 97 | 0 |
| Einstein | 6 | 7 | 89 | 0 |
| Alchemy | 7 | 8 | 95 | 2 |

Data source: NL1 and NL2 trials 2010, winter wheat NL 4yr report

Grain Quality

| | NABIM Group | Endosperm texture | HFN | Specific weight | Protein (%) |
|--------------------|-------------|-------------------|------------|-----------------|-------------|
| KWS Horizon | 2 | Hard | 263 | 80.9 | 12.2 |
| Solstice | 1 | Hard | 266 | 78.0 | 12.1 |
| Einstein | 2 | Hard | 265 | 77.6 | 12.1 |
| Alchemy | 4 | Soft | 242 | 77.5 | 11.4 |

Data source: NL1 and NL2 trials 2010, winter wheat NL 4yr report

Disease Resistance (1-9)

| | Mildew | Yellow rust | Brown rust | <i>Septoria tritici</i> | <i>Septoria nodorum</i> | Eyespot |
|--------------------|------------|-------------|------------|-------------------------|-------------------------|------------|
| KWS Horizon | 7.0 | 6.0 | 4.0 | 6.0 | [6] | 6.0 |
| Solstice | 4.0 | 4.0 | 3.0 | 5.0 | 5.0 | 5.0 |
| Einstein | 6.0 | 5.0 | 5.0 | 5.0 | 6.0 | 6.0 |
| Alchemy | 7.0 | 9.0 | 4.0 | 7.0 | 7.0 | 7.0 |

Data source: NL1 and NL2 trials 2010, winter wheat NL 4yr report