

**Cauldshiel - Spring Barley Plots**

		2018 Treated	2018 Untreated
	<b>Mean Yield t/ha</b>	<b>7.94</b>	<b>7.71</b>
<b>Variety</b>	<b>Information</b>		
<b>Propino</b>	<b>Fully Approved by the MBC for brewing.</b> In Scotland, it has been used mainly as a <b>feed variety</b> , with fairly tall straw of average strength and <b>good brackling</b> resistance. Outclassed by RGT Planet or Cosmopolitan, or whether to move to a dual-purpose variety with distilling potential. It is relatively <b>vulnerable to mildew</b> . Maturity is relatively early.	96%	86%
<b>RGT Planet</b>	This <b>brewing variety has MBC Full Approval</b> . It has a hot water extract better than Propino. Its straw length and strength are average, and it has good resistance to brackling. It has fairly good resistance to Ramularia, but is vulnerable to brown rust. Maturity is relatively early.	104%	104%
<b>LG Furlong</b>	A <b>malting candidate</b> with potential for brewing, but not for distilling. It has a <b>very high UK yield [107] and excellent untreated yield [97]</b> . It has short straw. Specific weight is fairly low		
<b>Cosmopolitan</b>	A <b>high yielding [106] brewing variety with MBC Provisional Approval</b> . It has a low specific weight and average grain maturity. It has been <b>added to the SRUC Scottish list as a high yielding</b> malting variety that can also be considered for feed use	108%	110%
<b>LG Diablo</b>	This variety has been given <b>MBC Full Approval for malt distilling, but remains at Provisional Approval for brewing. It is very high yielding [107] with excellent untreated yield [94]</b> . Following encouraging macro-scale tests, this variety should start to compete for intake in 2020. It is late maturing [+2], but has good straw stiffness and high brackling resistance. Screenings are relatively low. <b>One to watch</b> .	106%	109%
<b>KWS Sassy</b>	A <b>malting distilling variety with Full Approval</b> from the MBC. It has a high hot water extract. In terms of intake, it has a supporting role to Laureate and Concerto, with about 3% of the 2018 Scottish use. <b>Straw strength and brackling resistance are relatively weak in this tall variety</b> . It is intermediate for Rhynchosporium.	103%	103%
<b>SY Splendor</b>	A <b>malting candidate</b> with potential for brewing, but will not suit distilling. <b>Treated [107] and untreated [96] yields are very good</b> . Specific weight is good and maturity relatively early.		
<b>Olympus</b>	This variety has <b>MBC Full Approval for grain distilling. Its 8% yield advantage [103] over Fairing is significant</b> . However, it was taken off the SRUC Scottish list because of limited market interest. <b>Fairing achieves a higher grain nitrogen content and had a larger intake in 2018</b> . Its straw is of average strength, with mediocre resistance to brackling. It has relatively good resistance to Rhynchosporium. Maturity is similar to Concerto	101%	102%
<b>Fairway</b>	A candidate feed variety. Data cannot be published as it has not completed National List testing.		
<b>Laureate</b>	With <b>MBC Full Approval for both brewing and distilling this high yielding variety [104] was almost half of the Scottish intake and one-third of the total UK intake at harvest 2018. It has high hot water extract. Straw strength is good and brackling resistance very good. It has a very high untreated yield [94] and no significant disease weaknesses. Maturity is slightly later than Concerto</b> .	106%	111%
<b>SY Tungsten</b>	A <b>malting candidate with very encouraging results in both brewing and distilling tests. Treated [107] and untreated [96] yields are very good [107]. Specific weight is good and maturity is average</b> .		
<b>KWS Irina</b>	This variety is <b>no longer Approved by the MBC for brewing</b> . It has moderate yield [102], but poor specific weight. It has short and stiff straw with very good brackling resistance. It has intermediate resistance to Ramularia, but is vulnerable to Rhynchosporium and brown rust. Its maturity is relatively early (similar to Propino).	101%	103%
<b>Fairing</b>	This variety is a special recommendation for the grain distilling market, for which it has <b>MBC Full Approval</b> . It is not likely to be used malt distilling. It has average straw strength and good resistance to brackling. It has excellent resistance to Rhynchosporium. Its vulnerability to brown rust is less of an issue in the North region. Its treated yield is low [95], but it might be considered in feed areas where very early maturity [-2] is of value.	95%	98%
<b>RGT Asteroid</b>	A malting variety that has provisional approval for malt distilling, brewing and grain distilling. Although not as high yielding [102] as LG Diablo, this variety has good agronomic features; including a high untreated yield [93], as well as high specific weight and low screenings.	101%	104%
<b>Sienna</b>	<b>This variety has MBC Full Approval for malt distilling. It had almost 2% of the Scottish intake in 2018. Its hot water extract is close to Concerto and it has a very high specific weight [70.9]</b> which might be an advantage in a batch malting processes. Treated yield is intermediate [102]. It has average straw strength and is relatively tall. It has fairly good brackling resistance. Disease resistance is above average. Maturity is average.	96%	103%
<b>Concerto</b>	<b>Fully Approved by the MBC for both brewing and malt distilling. It retained a significant market share in 2018, with just under 40% of the Scottish malting intake</b> , but is now significantly out-classed for agronomic yield [92]. The industry has now moved to Laureate as the main dual purpose use variety (i.e. brewing and distilling). Its straw is tall and rather weak, but it has good brackling resistance. It is very vulnerable to Rhynchosporium and untreated yield is low [84].	93%	96%