Full steam ahead for spring barley; LG Diablo

This spring saw malting barley; LG Diablo, receive Full Approval for malt distilling use by the Malting Barley Committee, and it has also been moved to Provisional Approval 2 for brewing.

This makes LG Diablo the highest yielding spring barley variety on the AHDB Recommended List with Full Approval for malt distilling.

"Based on its move to Provisional Approval 2 for brewing, if Full Approval for brewing is also obtained next year, LG Diablo will be the highest yielding dual-use spring barley", says Matt Shand, National Sales Manager for Limagrain UK.

LG Diablo’s UK yield sits 2% above the current market favourites, at 105% of control. Last year, LG Diablo outperformed other leading varieties such as; RGT Planet and Laureate, by a significant amount, in the key malting barley growing areas across the east (106%) and north (107%) regions, in fungicide treated trials.

LG Diablo’s untreated yields also sit at the top of the yield table, alongside Laureate at 94% of control, and 1% over that of RGT Planet, demonstrating the variety’s very robust disease resistance profile.

"In terms of agronomic package, LG Diablo has straw characteristics similar to RGT Planet, and is medium in height (73cm) with good lodging and brackling resistance. Although rated slightly later maturing, this would not appear to have an effect on its high yield potential, as seen in the very testing season of 2018."

LG Diablo has a very good specific weight, which is important in the malting industry, as malting is a volume-based process and low specific weights can cause reduced throughput in the processing plants.

"So growers with low specific weight parcels will incur penalties if specifications are not met, particularly in times of overproduction."

"Its hot water extract is a similar level to that of Concerto - a trait that helped Concerto to become a benchmark variety. "A high hot water extract is heavily desired by the end user, in order for them to achieve higher sugar extraction rates from the malt and create more alcohol – and LG Diablo offers this.”

"LG Diablo’s UK yield sits 2% above the current market favourites, at 105% of control."
In our macro-scale trialling last year, LG Diablo malted well and distilling customers were very happy with its performance, which led to its Full Approval for malt distilling.

"From a Scottish malting barley perspective, it’s always good to have a new variety on the block, broadening choice and reducing the reliance on a single dominant variety, as we have seen with Concerto and latterly Laureate.""
Bolting resistance is key for sugar beet grower, Andy Cooper of North Norfolk and last campaign he turned to Betaseed’s BTS 3325, for early drilling. Managing 730ha of tenanted land on the Sandringham Estate, north east of Kings Lynn, Mr Cooper typically grows three varieties across his 160ha beet area in early, mid and late-drilled slots. Strube variety, Haydn has taken the early slot into the farm’s sandy loams over chalk in recent seasons, with the variety having the lowest bolter numbers on the BBRO Recommended List when sown on or before 5th March.

However, Mr Cooper replaced Haydn with BTS 3325 for the 2018-19 campaign as it offered suitability for early drilling, plus higher yield and improved disease resistance. In 2018, the farm received half of its annual rainfall between January and March, so drilling was delayed until April and its bolting resistance was not tested, after conditions quickly turned hot and dry post-drilling.

With BTS 3325’s good disease profile, we saw nothing out of the ordinary in that regard and when other varieties didn’t, it stood up to the heat of the sun. Overall, it came on very well so that’s why we have chosen it again this year,” he explains.

However, Mr Cooper was pleased with the performance of the variety in its first year, despite the delayed establishment, giving an adjusted yield of 850tha from a late-November lift.

Mr Roe believes yield is king when selecting a sugar beet variety and at 104.9% of mean adjusted tonnes, BTS 1140 offers a massive 7% increase over BBRO Recommended List control varieties; Haydn and Firefly, which it has now replaced. “When you are looking at Recommended Lists, I can’t get excited about one or two percent, but anything over 5%, I see as significant and that’s why we went with BTS 1140 this year,” he explains.

Both BTS 1140 (4.7) and BTS 3325 (5.3) have sound rust resistance scores, which was also a factor in selecting the two varieties that make up his beet area this season. Charles’ only concern with BTS 1140 is its bolting resistance and encouraging the weed beet the farm has worked hard to eradicate. However, the crop was established in early April, so bolters will not be a problem this year.

High-yielding sugar beet variety finds favour in Lincs

Lincolnshire sugar beet grower, Charles Roe has opted for variety BTS 1140 this year, lured by the potential for 7% higher yield over two of last year’s picks. Overseeing 243ha near Horncastle with his father, John, Mr Roe has grown sugar beet for many years on the farm’s mostly sandy clay loams, but took a break for a decade, due to increasing levels of weed beet.

The crop returned to the rotation for the 2018-19 campaign and he opted to split his 30ha area between three varieties; Betaseed’s BTS 3325, Haydn and Firefly.

With individual varieties outclassed relatively quickly as the remarkable improvement in sugar beet yield potential continues, the farm opted to revise its variety line-up this year. Mr Roe believes yield is king when selecting a sugar beet variety and at 104.9% of mean adjusted tonnes, BTS 1140 offers a massive 7% increase over BBRO Recommended List control varieties; Haydn and Firefly, which it has now replaced.

“When you are looking at Recommended Lists, I can’t get excited about one or two percent, but anything over 5%, I see as significant and that’s why we went with BTS 1140 this year,” he explains.
There are many species of cover crop to choose from. Oilseed radishes (such as Edwin) have beet cyst nematode (BCN) resistance, as well as a very deep rooting system that will help compacted soils. White mustard is another useful cover crop after cereal or maize harvest, which will maximise your soils’ potential. Soil is one of your most valued natural resources, so it’s important to make good cropping choices that will help improve its properties.

There are many species of cover crop to choose from. Oilseed radishes (such as Edwin) have beet cyst nematode (BCN) resistance, as well as a very deep rooting system that will help compacted soils. White mustard is another useful cover crop, it is fast growing and if sown early, has bags of biomass. Varieties such as Vitara are a non-host to both potato cyst nematode and cereal cyst nematodes.

MARTIN TITLEY
Director of Forage Crops

You can take full benefit of an ‘added value’ cover crop after cereal or maize harvest, which will maximise your soils’ potential. As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is an important parameter. It is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. It is a determinant in that. LG Spotlight is another example that offers very high yield coupled with superb grain quality, a very high specific weight and excellent Hagberg resistance to sprouting.

Traditionally, soft wheats have tended to have slightly lower specific weight than the best hard wheats, mainly due to more strict requirements for bread wheat. However, there is no physical or genetic reason why soft wheats cannot have high specific weights well into the 80’s. As the wheat plant develops, ear number and potential grain number are set, then post flowering the grains fill and therefore grain size becomes a major determinant of final yield. However, when grain fill is disrupted due to low light, high temperature or other stresses, the grains will not achieve their full potential.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.

As a measure of grain quality, specific weight is a standard and well understood trading measure. However, market grain is being sold into there is a threshold to meet. Varieties with an inherent higher level give more security in meeting that requirement.
CropTec 2019

Come and visit LG at CropTec 2019 - a leading technical event in the arable calendar showcasing new technology, innovation and knowledge exchange.

CropTec 2019 is aimed at helping farmers, their advisers and suppliers build a profitable and sustainable sector that is fit for the future. UK growers looking to future-proof their business can gain unmissable insights into the latest knowledge, services and products for the arable sector.

LG have been exhibiting at CropTec since its first year and will return to the show at The East of England Showground, Peterborough on Wednesday 27th and Thursday 28th November 2019.

The 2019 event offers a wide range of new and exciting seminar topics and content-driven hubs providing insights into reducing production costs, new technology and cutting-edge agronomy.

Get your BASiS & NRoSO points, test drive 10 of the latest sprayers, visit over 170 exhibitors and access 30 plus leading speakers!