

The new **CLAAS TRION** Fits your farm.



Our combine customer stories

CLAAS TRION
2021-2022

CLAAS





The launch of our new TRION combines completes the final stage in the new CLAAS combine roll out, which started in 2019 with the introduction of the new generation LEXION 7000/8000.

With 20 model options in the new TRION line up, and 80 different specifications to choose from, there has never been a better time to find the combine that suits your individual requirements. Together with our flagship LEXION range, CLAAS now has its largest ever combine product offering.

Made for your unique challenges the TRION comes with choices not compromises. With many features setting the range apart, including the massive separation area for high-capacity threshing, JET STREAM standard across all models, wide availability of wheeled, tracked TERRA TRAC and MONTANA hillside models, a new design of CLAAS cab that brings higher cab comfort standards, tank capacities that set a new standard for this size of combine and an extensive range of chopping options, there is a combine today to truly fit your farm.

I do urge you, however, to act promptly. This business year comes with some serious challenges, none of which are specific to the agricultural industry alone. Pressures on the global supply of electrical components are undoubtedly going to impact on our factory production over the coming months. Whilst we are taking every measure to minimize disruption, there are no guarantees as to the repercussions on our industry.

We obviously wish to fully satisfy your combine requirements, and to this end I urge you to Act Fast and Act Early, so that we can confirm delivery of your next combine for harvest 2022.

Let's talk today to help you find the CLAAS combine that fits your farm and give you complete peace of mind for next season.

Jeremy Wiggins,
Chief Customer Officer,
CLAAS UK

early action 
Offers valid until 31 December 2021



Start the TRION
configurator

Scan me.



Contents

TRION HYBRID and STRAW WALKERPages 6-7

Configure the TRION that fits your farmPages 8-9

Our Pre-Series TRION customers



TRION 750 TTPages 10-19



TRION 530 MONTANAPages 20-29

CLAAS Financial ServicesPage 30

Our LEXION customers



LEXION 8700 Pages 34-39



LEXION 7700 Pages 40-45



LEXION 5500 Pages 46-51

Our VARIO cutterbar customers



VARIO 1080 Pages 52-55



VARIO 1380 Pages 56-59



Special feature LEXION vs TRION Pages 60-65

CLAAS ServicePage 66

Combine model overviewPage 67





TRION HYBRID

The TRION comes with choices, not compromises.

THE HYBRID



APS HYBRID with one or two rotors (TRION 700) ensures stable, high throughput.

- The one or two ROTO PLUS high-performance rotors in the TRION HYBRID generate a high centrifugal force to separate the remaining grains from the straw.



TRION Straw walker

Don't choose between performance and efficiency.

THE STRAW WALKER



Increase your efficiency.

Shared features:

Benefit from maximum harvesting performance with lower fuel consumption. High throughput is reconciled with low grain losses through:

- The APS threshing system which impresses with its high separation rate.
- The JET STREAM cleaning system that cleans your grain intensively.
- The 3D cleaning system which provides dynamic compensation for side slopes.
- Collecting up to 12,000 litres of grain at a speed of 130 l/s.
- A ground speed of up to 30 km/h enabling fast transfers from field to field.









TRION 750TT

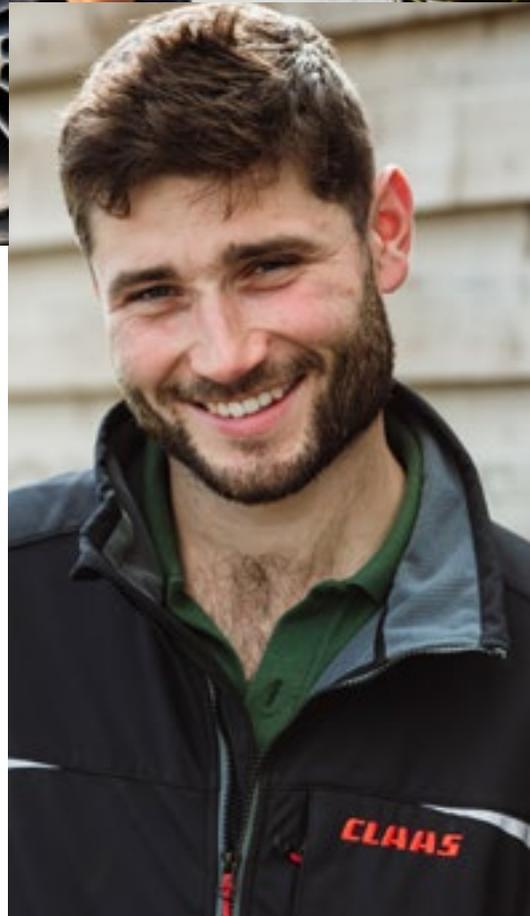
“The TRION is more than a match for our old combine, particularly when it comes to daily outputs.”

Ed King, Cambridgeshire, August 2021



“We needed a machine that would comfortably clear our acreage without having to cut crops wet, but that wasn't going to break the bank.”

Ed King, Cambridgeshire, August 2021







Broad range of crops

2021 TRION 750 TT, Ed King and Anthony Mottram, Cambridgeshire

With a broad range of crops and five farms spread over a 50 mile area, the men and machines at Sentry Cambridgeshire's operation are kept pretty busy, especially at harvest.

With over 800ha of combinable crops to clear, the business' single combine has its work cut out, particularly in a tricky

season like the summer of 2021.

"With a relatively short working window, we're very focused on making the most out of our combine," explains manager Ed King.

"With contract farming customers spread across a big geographical area, having just one machine to get everything cut can really put the pressure

on and we need a guarantee of reliability."

To that end the firm leases its harvester on a five to seven year fully-serviced basis. Until this year a 2014 LEXION 750 with 9.3m VARIO header was tasked with the workload. Due for replacement this season, last autumn the Sentry team started looking at the best way to balance value for money with capacity.



“Having run the TRION 750 in full auto all season I’m totally blown away by what it can do.”

“We needed a machine that would comfortably clear our acreage without having to cut crops wet but that wasn’t going to break the bank.

“We looked at various different options and were given the opportunity to sign up for one of CLAAS’ pre-production TRION 750s.

“It ticked the box in a number of ways. The guts of the machine are pretty much the same as the LEXION – the APS threshing unit up front followed by a pair of rotors, all squeezed into a narrow-bodied chassis.

“It also has the benefit of all the latest CEMOS Automatic technology to push output. But what really clinched the deal for us was that it could be fitted

with a draper-type CONVIO FLEX header.”

A demonstration in harvest 2020 had proved the belt-fed table had the potential to significantly increase the combine’s working day, and its ability to hug the ground meant it could clear laid crops while limiting the amount of soil going into the combine. Duly a deal was done for a TRION 750 with 9.3m CONVIO FLEX to replace the business’ seven year old LEXION 750.

How has it performed?

“The TRION is more than a match for our old combine, particularly when it comes to daily outputs.

“It’ll comfortably clear 40ha a day whereas before that would

have been quite a stretch. Ultimately it’s got the same threshing gear as the LEXION 750 so I’m convinced that the extra capacity is all down to two factors – the CONVIO header and CEMOS Automatic.

“The way the crop is fed lump-free and always head-first into the throat of combine means it runs smoothly and more efficiently during the day. And when things start to get damp in the evenings it just keeps going – we never have to slow up.

“That’s all made possible by the CEMOS computer constantly adjusting the combine settings to keep things running flat-out without any detriment to the sample.”



Clean grain

“What ends up in the tank of the TRION is absolutely awesome – I have never seen a combine produce a sample like it,” says Ed.

“We like to home-save seed but have no cleaning facilities of our own. I’m pretty confident that this year we’ll be able to dig grain straight out of the heap and tip it straight into the drill – it really is that good.”

Why tracks?

“We have a very wide range of soil types and a good chunk of ground that is below sea level so it’s critical we can travel in the wet.

“The extended footprint of tracks means we can reliably cut crops when ground conditions are less than ideal without making a mess and damaging our most delicate soils.

“On top of that, the TERRA TRAC option means the table is more stable in work, particularly when crossing tramlines. And the combine’s overall width is kept narrow – a big bonus for roadwork.”

Cab and controls

“Someone at CLAAS HQ has put a lot of thought into the new cab. There’s more room all around you and heaps of storage. Visibility is so much better – you can sit right back in the seat and see the whole of the header,” says TRION operator Anthony Mottram.

“The CEBIS touchscreen is easy to navigate and I like the way you’ve got a number of ways to access the different menus. I generally use the armrest switches – one click and you’re straight into the right page. That said, with CEMOS Automatic I’m rarely having to make many settings changes.”

CEMOS and steering

“Having run the TRION 750 in full auto all season I’m totally blown away by what it can do.

“CEMOS Automatic is without doubt the single biggest advantage that these latest CLAAS combines have over what’s gone before. The way it constantly tweaks settings to maintain the right balance between sample, losses and output means even the best operators wouldn’t be able to achieve the outputs that it can.

“The combination of CEMOS and GPS steering means we’re getting full capacity out of the combine all of the time. And at the end of the day I’m definitely not getting off the machine as tired as I would have been.

“It’s a good job too now that we’re generally cutting for an extra couple of hours each evening thanks to the improved crop feed from the CONVIO header.”

Grain handling

“Having a 12,000-litre grain tank has made harvest logistics so much more efficient. We can now fill our 16t trailers to full capacity with two tank loads so they always go back to the store full and the combine isn’t left with anything on-board.

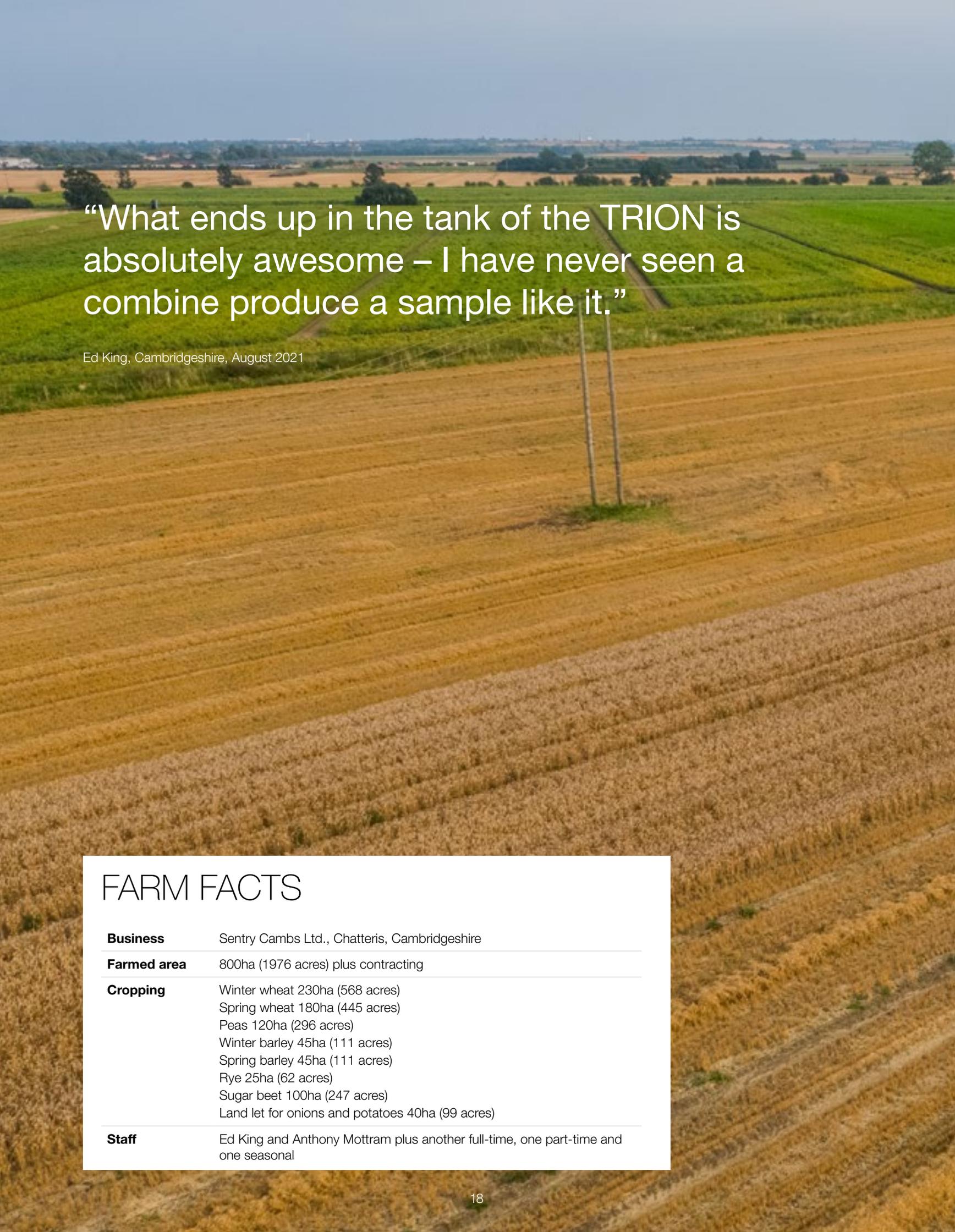
“Filling trailers to the max is made that much easier with the new pivoting spout and camera. It’s a much neater exit from the chute which means grain stays where it falls and, mounted in the left-hand corner of the windscreen, the display gives you a much better picture of how much room you’ve got left to fill.”

Maintenance

“The worst part of any combine driver’s day is blowing the machine off. Thanks to the design of the engine bay on the TRION it’s now so much easier to clean down and it stays so much cleaner than anything I’ve ever driven.”



Anthony Mottram, Cambridgeshire, August 2021



“What ends up in the tank of the TRION is absolutely awesome – I have never seen a combine produce a sample like it.”

Ed King, Cambridgeshire, August 2021

FARM FACTS

Business	Sentry Cambs Ltd., Chatteris, Cambridgeshire
Farmed area	800ha (1976 acres) plus contracting
Cropping	Winter wheat 230ha (568 acres) Spring wheat 180ha (445 acres) Peas 120ha (296 acres) Winter barley 45ha (111 acres) Spring barley 45ha (111 acres) Rye 25ha (62 acres) Sugar beet 100ha (247 acres) Land let for onions and potatoes 40ha (99 acres)
Staff	Ed King and Anthony Mottram plus another full-time, one part-time and one seasonal



TRION 530 MONTANA

“While any good operator will try to alter sieve and fan settings going up and downhill, it’s not a reality with our region’s small fields. MONTANA does away with the need for all of that. I wouldn’t buy another combine without it.”

Scott Hamilton, Lanarkshire, August 2021



“When we learned about the new TRION MONTANA the deal was too good to turn down.”

Scott Hamilton, Lanarkshire, August 2021





The five walker fits our farm

2021 TRION 530 , Scott Hamilton, Lanarkshire.

The steeply rolling countryside of south west Scotland can prove testing for combines whether big or small. Without hillside slope compensation they're often slowed to snail's pace to limit losses on banks with the result that harvest output can be seriously curtailed.

So when Lanarkshire contractor Scott Hamilton was offered the opportunity to have one of CLAAS' new TRION 530's equipped with MONTANA body-levelling, it was no surprise that he jumped at the chance.

Until last year he had run two level-land machines – a 2008 TUCANO 430 and a 2019 LEXION 630. But with the business' harvest acreage growing, particularly grain for crimping, there was a need to freshen things up.

"The TUCANO was a great wee combine but with 12 years hard labour under its belt it was beginning to show its age. As a contractor you've got to have

reliable kit and although it never let us down, the years of cutting crimping grain had been hard on it.

"We wanted to stick with a five-walker machine because our small field sizes really don't allow us to make the most of anything bigger. Initially we were looking at second-hand LEXION, but when we learned about the new TRION MONTANA the deal was too good to turn down."

So in early August the Hamiltons took delivery of a brand-spanking TRION 530 with 6.2m CERIO cutterbar and full MONTANA body-levelling.

How has it performed?

"Previously with our old TUCANO we'd clear 30 acres in a good long day. The TRION will comfortably do 40 acres.

"That extra 25% comes from a combination of factors. The bigger sieve area makes a huge difference. Even when we're really pushing it we're getting a cracking sample. In fact you struggle to get much rubbish

530
TRION



“Previously we’d clear 30 acres in a good long day, the TRION will comfortably do 40 acres.”

in the tank no matter how wide open you have the sieves set.

“The longer straw walkers also contribute – you’ve got that little bit extra opportunity to shake out any remaining grain. But the biggest difference is without doubt the MONTANA hill-sider system.”

MONTANA

“We’ve always had level-land machines up until now which means you’re constantly keeping an eye on the loss monitors. Ultimately when you get on the banks you have to pull the stick back to limit on grain going over the back.

“With proper body-levelling keeping everything running

horizontal, you just keep cruising at the same pace up or downhill or working across side-slopes, – it really is fantastic.

“The system responds so smoothly you don’t even notice it tilting the combine over and from a comfort point of view it’s brilliant – on really steep ground I’m no longer hanging onto the steering wheel to try and stay in the seat.

“It also has an impact on hill-climbing – while usually we’d opt for a driven rear axle, the TRION is just two-wheel drive. Despite that it rarely struggles with traction, probably because the levelling system puts the weight where it’s needed.

“While any good operator will try to alter sieve and fan settings going up and downhill, it’s not a reality with our region’s small fields. MONTANA does away with the need for all of that. It is absolutely magic – I wouldn’t buy another combine without it.”

Cab and controls

“The new cab is a pleasure to spend the day in. It’s quiet and roomy - I’m 6ft 9in and I have no issues with legroom.

“Being used to the new CEBIS touchscreen and multifunction handgrip from our JAGUAR 850 forager, altering settings comes as second nature to me.

“I really like the fact you can just go straight to the function

you want to change using the armrest switches and it then pops up on screen. The way everything is clearly displayed with the central machine silhouette and the fast-access hotkeys down the side of the screen means you don’t get bogged down trying to navigate menu pages. That means you can constantly tweak settings to keep the combine running at its best.”

CERIO header

“With only cereals to cut we don’t need fancy headers on our combines. We like the CERIO cutterbar for its simplicity.

“Even with damp, green crimping crops we never have



any issues with wrapping or blockages and after three years hard graft, the CERIO on our LEXION hasn't given us a single issue."

Grain handling

"The 10,500-litre tank on the TRION is 20% bigger than on the TUCANO and means we can keep travelling that much further without having to wait for trailers. The CEBIS screen showing the distance left to travel until the tank's full is a really nice operator-friendly feature.

"Having all that tank capacity is great but you've got to be able to unload it sensibly. In combination with the camera

mounted on the auger, the new pivoting spout makes filling trailers so much easier, even unloading on the move on our steepest ground."

Why CLAAS?

"Here in west Scotland we get some pretty challenging conditions for the combines to work in so we need to know they're robust. Having had a 30-year-old Dominator 88 that was trouble-free and then the TUCANO that had done 12 seasons, we know they're good solid machines, despite being fed a diet of green straw and lots of stones.

"We also need to know that we've got the capacity. We

can go weeks on end without turning a wheel so when the conditions come right we need to know we can get on top of the job.

"More critically than all of that, we get unbeatable back-up from GORDONS. They've always got the parts on the shelf if anything breaks and their fitters know these machines inside out.

"Because of that we always get them to do our out-of-season servicing. It gives us peace of mind and having a proper CLAAS maintenance history adds significantly to the second-hand value of the machines when we swap them out."



TRION 530



FARM FACTS

Business	Firm of George Hamilton Contracting, Lesmahagow near Glasgow
Work undertaken	Grass and wholecrop silage, drainage and groundworks plus all arable operations
Staff	Scott Hamilton plus two others full-time; up to four casuals at peak times
Combines	2019 LEXION 630 with 6.2m CERIO header 2021 TRION 530 MONTANA with 6.2m CERIO header





Take advantage of CLAAS early action finance.



One of the most significant announcements in the budget delivered on 3rd March 2021 was the introduction of **super-deduction** as a form of capital tax allowance for the purchase of new plant and machinery acquired for business use by UK limited companies

It has been introduced to generate a significant increase in capital equipment investment by UK corporations ahead of a planned increase in corporation tax from 19% to 25% on 1st April 2023.

The new 130% '**Super Deduction**' first year Capital Allowances is available for Limited companies.

In addition, Annual Investment Allowance has been extended for businesses to claim up to £1m tax relief when investing in plant and machinery, until 31st December 2021.

It allows businesses to acquire a certain amount of capital equipment each year (£1,000,000 in 2021) and claim the full allowance in the tax year that the equipment was purchased.

To find out which finance option is right for you, try our product selector, www.claas-finance.com/product-selector

CLAAS Financial Services packages are available through any CLAAS dealer supported by a nationwide dedicated team of Regional Finance Managers. Every member of CLAAS Finance has excellent product knowledge and financial experience.

Find your local Regional Finance Manager via www.claas-finance.com/contact-us
or contact our central office sales team on 0345 2666 360, email salesoffice@claasfinance.com

early action 
Offers valid until 31 December 2021





CLAAS LEXION – CONTINUED PROVEN PERFORMANCE





HIGH OUTPUT LEXION 8700

**2019 LEXION 8700,
Tom Pearson and
Michael Cotton, Norfolk**

Having just completed its third harvest, Raynham Farms' LEXION 8700 has proved itself to be more than capable. Tasked with clearing in excess of 800ha (1976 acres), the high output Hybrid's appetite hasn't disappointed, regularly clearing 45-50ha a day.

But it's not all about capacity. The technology and ability to produce an ultra-clean sample add up to make it a versatile performer capable of getting crops in whilst retaining quality, particularly with growing a large area of spring malting barley.

"Having gone from a single rotor machine four years ago to the LEXION Hybrid threshing system we've seen the job made easier and output significantly increased," explains farm manager Tom Pearson.

"Our diesel use has dropped massively and the pressure on the operator has been reduced hugely thanks to the introduction of the impressive technology designed to aid the driver.

Fuel Consumption

"Compared to our old single rotor machine we're burning about 15% less diesel for every tonne harvested which is down to two main factors in my opinion.

"By only delivering the engine output needed when it's needed, the Dynamic Power system clearly makes better use of every litre in the tank, particularly when swathing straw.

“CEMOS makes the 8700 the best combine I’ve ever driven.”

“In addition, the larger drum and concaves at the front end of the LEXION make for smooth, consistent crop flow. This in turn results in consistent engine loading which has a definite impact on fuel use, the engine note very rarely changes, regardless of time of day or mass of crop.”

Yield monitoring

“The new QUANTIMETER is scarily accurate. We run every trailer over the weighbridge and the combine is rarely more than a few hundred kilos different.

“By linking that information to mapping we can now precisely identify areas of fields that are under-performing and deal with them appropriately.”

CEMOS Automatic

“I was initially sceptical about the CEMOS system but it has

really grown on us over the last 3 years, the more crop the machine has had through it and the more algorithms it has learnt, the better the performance of CEMOS. We’re now at a point that we’ll begin cutting a field and the combine will pretty well look after itself apart from a few minor adjustments.

“Our main driver Michael has had 30 years in the seat of various combines and despite that he believes it can do a better job than any human.”

The combination of the grain quality camera and Cruise Pilot are felt to be ideal in maintaining the right balance between output and a cleanliness of sample.

“I really like ability to tweak the CEMOS’ bias either towards cleaner grain or higher output

but that is all that I ever meddle with,” says Michael Cotton.

“Whether it is the concaves, drum speeds, sieves or rotors, I hardly ever touch a thing and just let the computer decide what’s best. In the past when I’ve thought I knew better I’ve either ended up with cracked grains or more going out over the back. CEMOS makes the 8700 the best combine I’ve ever driven.”

Cab and controls

“The cab is a big upgrade over anything we have had before, the CEBIS touchscreen is extremely user friendly and this, paired with the S10 GPS system gives us everything we could possibly need at the touch of a button.

“That’s helped by Cruise Pilot which does a brilliant job in



keeping the combine running at full capacity. It is by far the most responsive system of any brand that I've had the chance to use."

Intake

"The feeder housing dust extractor does a really good job and having belts rather than chains for the intake elevator has made a huge difference to how quietly the combine runs. It means I can hear if anything is going wrong that much earlier than previously, hopefully catching it before it becomes a major issue."

Maintenance

"The LEXION stays so much cleaner than any machine we've had before and having the on-board compressor for daily blow-offs is just so convenient.

"The new air filter is seriously impressive – it generally only needs a clean out once a season. And greasing is now only a 50-hour job. With all the nipples grouped together

it hardly takes any time to get round."

Why CLAAS?

"When CLAAS approached us three years ago to ask if we would like to try one of the new pre production LEXION 8000s I was initially dubious as often

these early machines come with their problems and downtime," says Tom.

"I couldn't have been more wrong. CLAAS UK and our local dealer MANN'S stood by the machine at all times and downtime was kept to a minimum. The local back-up

from the Fransham depot has been exemplary and we could not have asked for more. A strong relationship with the dealer is a huge factor for me when buying a machine and this has been highlighted with this combine."

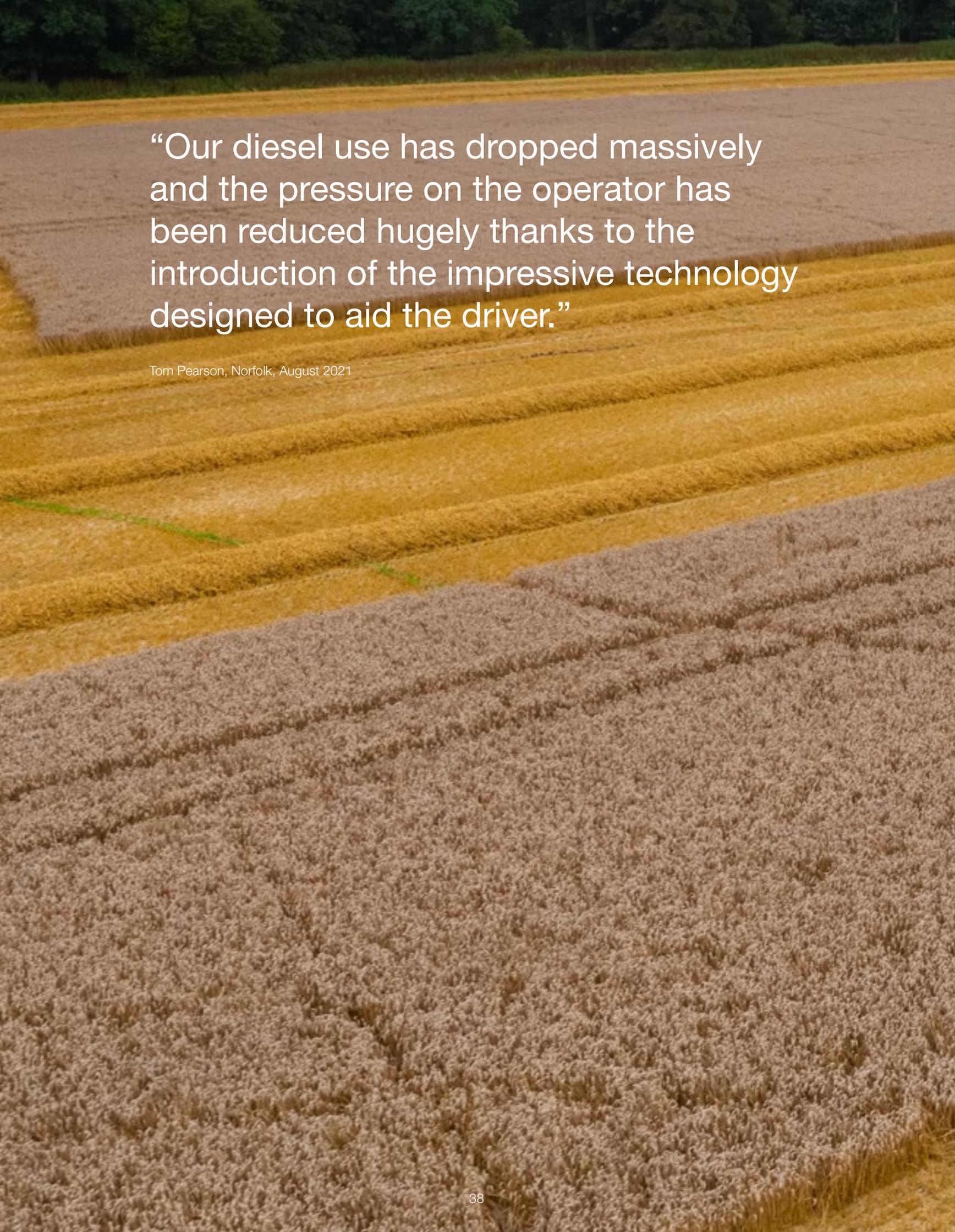
FARM FACTS

Business	Raynham Farming Co near Fakenham, Norfolk	
Estate area	1900ha (4695 acres) – cropping 1500ha (3706 acres)	
Cropping	Winter wheat 300ha (741 acres) Spring barley 320ha (790 acres) Oilseed rape 130ha (321 acres) Spring beans 130ha (321 acres) Forage maize 300ha (741 acres)	Sugar beet 190ha (470 acres) Forage rye 180ha (445 acres) Some maize land is rented in Remainder in woodland & grassland
Livestock	200 Angus suckler cows plus 230 followers	
AD plant	3mW Anaerobic Digester + Solar Park	
Staff	Tom Pearson and Michael Cotton plus 8 full-timers and 2 casuals	



"I believe [CEMOS] can do a better job than any human."

Michael Cotton, Norfolk, August 2021

An aerial photograph of a large agricultural field, likely a cornfield, showing distinct rows of harvested crops. The field is divided into sections of different colors, including golden yellow, light brown, and dark brown, indicating different stages of harvest or crop types. The rows are straight and parallel, extending across the field. In the background, there is a line of trees and a dark green area, possibly a forest or a different type of vegetation.

“Our diesel use has dropped massively and the pressure on the operator has been reduced hugely thanks to the introduction of the impressive technology designed to aid the driver.”

Tom Pearson, Norfolk, August 2021



THIRD HARVEST LEXION 7700

**2019 LEXION 7700,
Robert Baker and
Steven Offord, Suffolk**

Having completed its third harvest, Robert Baker's LEXION 7700 has more than proved itself as a reliable performer.

Tasked with clearing some 604ha (1490 acres), it was an un-badged pre-production machine when it arrived at the Suffolk arable farm in 2019. As such it was under evaluation by both CLAAS and the team on the farm. Needless to say it underwent close scrutiny in its first season.

"Knowing we were getting a pre-series combine we naturally expected a few issues," explains Mr Baker.

"But we were pleasantly surprised. There were initially a few minor niggles but in the last three seasons we haven't had any major downtime. That's pretty impressive given we were taking delivery of what was a relatively unproven machine."

"As ever the back-up from MANN'S was phenomenal and our machine has had all the updates and mods to bring it up to speed with current production models. In truth it's as good as a new one."

How has it performed?

"In that first season we were impressed with the extra output from the 7700 compared with our old 760 – we were clearing about 20% more in a day."





“One of the most cost effective combines we’ve owned.”

“But it wasn’t just about tonnes in the shed. It was doing all that extra while burning less fuel. We’ve seen a huge saving in diesel used per tonne of crop harvested – I’m convinced that’s all down to smoother crop flow and more efficient drivelines, particularly to the chopper.”

Current generation LEXION combines underwent a complete revamp for the 2020 season and Mr Baker’s 7700 was one of the first evaluation machines to hit UK shores. Amongst a whole host of upgrades, the new machines gained much bigger drums and concaves for the APS threshing unit. Working with Dynamic Power engine management to supply only what’s required, when it’s required, these changes significantly impacted

fuel use – a performance improvement shared across the UK by other LEXION operators.

“The extra inertia from the bigger drums and the extended concave wrap mean there’s greater threshing area but also a much smoother flow of crop through the combine – you can feel it through the seat,” says driver Steven Offord.

“The secondary effect of that is that you’re not having to thrash the straw as hard so you’re not overloading the sieves. Consequently they’re doing a better job and we’re getting a cleaner sample.”

Sample quality

“The cleanliness of what ends up in the tank is the real

standout feature of the 7700 for me,” says Robert Baker.

“Previously we’d run all of our rape over a dresser to clean it up. Now there’s no need – what comes out of the spout is as clean as what we’d get out of the dresser. The sample it produces is fantastic, no matter how hard you push the combine.”

Chop Quality

While driveline improvements to the straw chopper are felt to have leant a hand to the 7700’s thriftiness, the quality of the job being done hasn’t been compromised – far from it.

“The chop quality is so much better than before. It’s more consistent and the evenness of



spread is phenomenal,” says Steven.

“Having hydraulic counter-knives makes life easy – I can adjust them according to engine loading and the job they’re doing.”

Back-up

“I was prepared to be a bit of a guinea-pig in taking a pre-production machine only because I have total confidence in the service we get from MANNESMAN,“ says Mr Baker.

“Any minor niggles we’ve had have been sorted immediately and I know that if we were to have a big issue mid harvest we’d have a loan machine here within hours.”

Cost of ownership

“From an owner’s point of view I’m convinced the 7700 is one of the most cost effective combines we’ve owned. We look at everything from a cost per hour perspective whether

it’s fuel use, servicing or the impact of residual values on depreciation,” explains Robert.

“It’s certainly got the edge when it comes to output but it’s the impact on the overall efficiency of our whole operation that makes the difference. As an example, the faster unloading auger means much quicker turnaround times and less time with trailers running off the

trاملines potentially causing compaction in the field.”

Would you have another?

“We’d normally keep our combine five to six years but we’ve just seen our acreage for next season expand by 1500 acres. I believe that the 7700 is more than capable of handling 2000 acres but whether we’d be taking too big a risk beyond that is questionable.

“The thing we love about having the biggest narrow-bodied LEXION on tracks is that it’s really easy to get around the narrow lanes. It’s going to be a trade-off between convenience and output.”

FARM FACTS

Business	JD and RJ Baker Farms Ltd, near Bury St Edmunds, Suffolk
Farmed area	810ha (2000 acres)
Cropping	Winter wheat 350ha (864 acres) OSR 181ha (447 acres) Spring barley 73ha (180 acres) Sugar beet 140ha (345 acres)
Staff	Robert Baker, Steven Offord and Simon Farrow
LEXION history	• 2019, 7700 TT • 2012, 760 TT • 2009, 580+ • 2004, 480



A man with a beard, wearing a blue polo shirt and shorts, stands with his hands on his hips next to a large green and grey combine harvester. The harvester has a large number '40' on its side. The scene is set in a field of harvested grain under a clear blue sky.

“We’ve seen a huge saving in diesel used per tonne of crop harvested – I’m convinced that’s all down to smoother crop flow and more efficient drivelines.”

Robert Baker, Suffolk, August 2021

7700
LEXION
CEMOS AUTOMATIC







TERRA TRAC LEXION 5500

2021 LEXION 5500, Jim Watt, Lanarkshire

Getting cereals cut in the often damp, difficult conditions in the west of Scotland presents its challenges and it's a task that requires machines that are up to the job.

Lanarkshire contractor Jim Watt knows this only too well. Restricted by narrow lanes and small field sizes, he's tended to stick with smaller combines equipped with four-wheel drive to ensure they keep moving without making a mess.

But this season has seen that change with a move to a LEXION 5500 running on TERRA TRACS.

"Until last year there hadn't been the option of having tracks on five-walker combines so we'd stuck with decent tyres and four-wheel drive on our two machines," explains Mr Watt.

"But when CLAAS announced TERRA TRACS would be on the options list for the revamped LEXION range my ears pricked up. Once we'd had a demo of a 5500 last autumn I could see

it had the potential to offer a serious step up in our harvesting operation."

It wasn't just the addition of tracks and the LEXION uprated threshing system that appealed to Mr Watt. The demo machine was running a belt-fed 7.7m CONVIO header too.

"You can have all the horsepower and harvesting capacity you'll ever need but if you can't get crops in the front end of the machine, it's pointless.

"We're often cutting in less than ideal conditions and it's always the struggle to get material to feed that'll make us give up rather than simply grain moisture. In our demo last autumn I could immediately see the CONVIO had the potential to change all that. The way the crop is actively drawn to the throat and everything falls head-first onto the table means it's drawn in evenly and the combine is able to handle it much more smoothly.

"Along with the bigger threshing drums and the extra APS cylinder, it all adds up to a

How has it performed?

“The 5500 has exceeded our expectations beyond belief. We’re covering 20-25% more ground in a day, doing less damage to the soil and critically doing a better job.

“The sample that this machine produces is like nothing else I’ve seen. The combination of the TM6 sieves and JET STREAM cleaning means what ends up in the tank is completely free of rubbish.

“Our customers love it and that’s particularly important where we’ve got trailers running straight into distilleries. They’ve no need to clean it up any further – it can go straight onto the malting floors without being touched.”

Straw Quality

It’s not all about grain quality either, the new LEXION is reckoned to be a baler’s dream.

“The swath that drops out the back of the 5500 is a thing of beauty. Flat-topped like a board, it’s completely lump-free and even.

“Because it leaves the straw completely intact, when it falls it stays fluffed up so that the air can flow through it which means we can get in with the baler that much quicker.

“It’s the changes to the front end of the combine that have made the difference to what drops out of the back. The bigger drums and concaves are gentler on the straw while the feed from the CONVIO header means the flow of crop right through the machine is more even with less bunching and lumps dropping in the row – it leaves the straw in perfect condition.”

Travel speed

“We cover a relatively big geographical area with our customer base stretching to a 30-40 mile radius.

“In the past moving from site to site was a real chore. Having a machine that can travel at 40kph has massively reduced the hours clocked not harvesting. And the way that the engine throttles back once you’ve reached top speed means you’re not burning fuel unnecessarily.”

Would you have another?

“This new LEXION has completely taken the pressure off harvest for us. We needed extra output and we’ve certainly got that.

“We needed to reduce our transport time and we needed to be able to travel in the wet without making a mess. The pairing of 40kph and TERRA TRACS has given us just that.

“The combination of the CONVIO header, the bigger threshing gear and the JET STREAM sieves have added up to create a machine with a seriously impressive appetite.

It meets all of our requirements despite being packed into a relatively small-framed five-walker body. It’s the right machine for us.”

Why CLAAS?

“We’ve a long history with CLAAS dating back to the original Senator combines that my father had.

“My working relationship with GORDONS is just brilliant and I feel like a true part of the CLAAS family. I know what I have in them and they know what they have in me.

“Whether you’re dealing with CLAAS UK or the guys at GORDONS, it feels like we’re all working towards the same goal. There is no better back-up.

“The kit’s good but the service is just phenomenal.”





“With the 5500, we’re covering 20-25% more ground in a day, doing less damage to the soil and critically doing a better job.”

Jim Watt, Lanarkshire, August 2021



FARM FACTS

Business	Alexander Watt Contracting, East Kilbride near Glasgow
Work undertaken	Grass and wholecrop silage, round and square baling, umbilical slurry plus all arable operations
Staff	Jim Watt plus three others full-time; up to six casuals at peak times
LEXION history	• 2021, 5500 TT • 2019, 620 • 2014, 620 • 2011, 620 • 2010, 510 • 2010, 530 • 1998, 410

“Ultimately we get maximum output and a quality sample.”

New generation VARIO 1080, Will Fisher, Nottinghamshire

A smoother flow of crop and more rapid turnaround times when switching fields have seen the latest generation of VARIO header prove itself to one Nottinghamshire farming family.

When the Fishers decided to change their four-year-old LEXION 770 for a brand-spanking 8700 last autumn they were in for a pleasant surprise. Not only would the combine itself be packed with the latest state-of-the-art technology but so too would the header.

In fact, they were due to receive the latest version of CLAAS’ time-proven VARIO cutterbars – a pre-production unit not due to go on sale until early 2022.

Equipped with a height-adjustable feed auger, mechanically-driven side-knives and a clever feature to automatically control reel height, the new header promised great potential for harvest 2021.

How has it performed?

“Having the ability to raise and lower the auger relative to the table has made a

significant difference to crop flow,” explains Will Fisher.

“In crops like hybrid barley with awkward waxy straw we’d often get issues with it bunching. By being able to tweak the clearance I can now avoid that happening. It’s the same story in short-strawed crops – I just tighten it up and it pulls in evenly.

“Using the new system in combination with the VARIO knife I can really fine-tune crop-flow to achieve an even feed without any lumping. Ultimately that means we get maximum output and a quality sample. In rape that smoother crop flow really does work to reduce losses.”

Side-knives

“The new design of side-knife is the stand-out feature of the new header for me. Having a proper mechanical drive means they’ve got more power and are less inclined to stall when they get into some tough going. And without pipes hanging down there’s no longer anything to get snagged going round the headlands.

“But ultimately it’s about convenience. Being lighter they are so much easier to handle and fit. And because

you can draw them right in with the table to go on the header trailer you’re not wasting time with field changes.”

Reel height adjustment

“The new automatic reel height control is a clever principle that CLAAS has carried over from its CONVIO draper-type headers.

“Because this new VARIO has its reel driven directly by a hydraulic motor, the system is able to monitor the back-pressure in the circuit. That means that if its speed drops as a result of hitting a tall, dense patch of crop, the computer reacts and raises the reel accordingly – it makes sound logical sense and means it’s just one less thing for the guy in the seat to concentrate on.”

Why a VARIO 1080?

“The 10.8m cutting width perfectly matches the capacity of the 8700. I can happily trundle along at 4.5kph all day long, knowing we’re covering the acres without anything going over the back.

“From a convenience point of view we can get through a good number of hedgeline

gaps without taking the header off and when we do the 1080 is still a sensible length to tow behind the combine.”

Why CLAAS?

“For us it’s all about back-up. The EASTERN team at the Markham Moor depot look after us so well – we know they’ll keep us going whatever happens, day or night.

“The machine itself is top of its game. You’ll struggle to find another combine that can provide that balance between output and sample quality. The 8700 consistently churns out ultra-clean grain no matter what you do with it.

“Having a 40kph transmission has proved a game-changer for us. We’ve got some ground up in Yorkshire that used to take us nearly four hours to get to. The 8700 has slashed that by an hour and a half.

“And from a driver’s point of view the cab is a pretty decent place to spend the day – it’s roomy and quieter than anything we’ve had before.”

FARM FACTS

Business	Fisher Farms, near Worksop, North Nottinghamshire
Farmed area	1214ha (3000 acres)
Cropping	Winter wheat 688ha (1700 acres) Winter barley 162ha (400 acres) OSR 100ha (250 acres) Potatoes 223ha (550 acres)
Staff	Edward, Will, Rob and Paul Fisher plus three full-timers and two part-time
LEXION history	• 2021, 8700 with 10.8m VARIO • 2017, 770 with 10.8m VARIO • 2013, 770 with 10.8m VARIO • 2008, 580 with 10.8m VARIO • 2005, 580 with 9m VARIO • 2003, 570+ with 7.5m VARIO



“The new design of side-knife is the stand-out feature of the new header for me. Having a proper mechanical drive means they’ve got more power and are less inclined to stall when they get into some tough going.”

Will Fisher, Nottinghamshire, August 2021







“Being able to raise and lower the table auger according to the density of the crop has proved a brilliant feature this season.”

New generation VARIO 1380, Paul Woodhouse, Essex

Having run VARIO cutterbars on LEXION combines for the last two decades the team at Essex arable outfit GA Stevenson know the potential these headers have to offer.

No surprise then that the business was selected to evaluate the latest version of the VARIO this season.

A pre-production machine, the 13.8m table is the widest in the CLAAS line-up and features new mechanically-driven side-knives, a variable height feed auger, an uprated knife-drive and intelligent reel height control.

Auger adjustments

“Being able to raise and lower the table auger according to the density of the crop has proved a brilliant feature this season,” says 8900 operator Paul Woodhouse.

“By only raising the centre it better handles the mat of crop as it thickens as it is drawn to the middle of the table.

“Previously I’d be adjusting the stripper bars on the old header to try and adapt to changing crop conditions but now I’m able to tweak it constantly on the move.

“The impact of that is that it irons out lumps and bumps to keep the whole machine running more smoothly.

“As the dew comes down in the evening and crop starts to wrap on the auger I just lower it gently to bring the stripper bars into play and to stop lumps forming at the intake.

“I’ve been surprised by the impact that this one feature has had – we’re definitely getting more output as a result of being better able to manage the flow of material into the threshing gear.”

Knife drive

“Doing away with shear-bolts and using a clutch for overload protection on the knife drive means it’s less inclined to kick out too early but critically it will trip out when it needs to.



FARM FACTS

Business	GA Stevenson Ltd, Great Dunmow, Essex		
Farmed area	1618ha (4000 acres)		
Work undertaken	Winter wheat 820ha (2150 acres) Spring barley 142ha (350 acres) Spring beans 97ha (240 acres) OSR 112ha (276 acres)	Borage 99ha (245 acres) Spring oats 57ha (140 acres) Winter oats 39ha (96 acres),	Potatoes 142ha (350 acres) Plus a further 200ha of contract combining.
Staff	Tom, Andrew and Alan Stevenson, Paul Woodhouse plus three other full-timers and one part-time		
LEXION history	<ul style="list-style-type: none"> • 2021, 8900 with 13.8m VARIO • 2015, 780TT with 12.3m VARIO • 2013, 760 with 9m VARIO • 2011, 580+ with 9m VARIO • 2004, 480 Evo with 7.5m VARIO 		

“The drive itself seems smooth and less noisy than before.”

Side-knives

“Being so much lighter and without hoses or electrics to connect up, the new side-knives are so much easier and quicker to take on and off.

“The beauty of them is that you don’t need to take them off as often because you can

draw both the reel and VARIO table right back with them still attached. That’s great for transport and in shorter crops.

“Being shorter themselves they have less of a tendency to make contact with the ground and the mechanical drive means they’ve less of a tendency to stall. All round they’re a huge improvement.”

Reel drive and height control

“The new hydraulic reel drive seems better able to maintain an even speed whether the combine is altering its forward pace or when the reel comes under load when you’re hooking crop up off the deck.

“It was only when we got into some really flat laid oats this season that we saw the auto reel height control working.

“By monitoring back-pressure in the hydraulic reel-drive – or tractive effort – it can raise the reel if it feels it’s getting overloaded. While that’s good in normal situations, being able to adjust the sensitivity of the system means that if you really need to bury the tines into a laid crop to scoop it off the deck, you can.”

“As the dew comes down in the evening and crop starts to wrap on the auger I just lower it gently to bring the stripper bars into play and to stop lumps forming at the intake. We’re definitely getting more output as a result of being better able to manage the flow of material into the threshing gear.”

Paul Woodhouse, Essex, August 2021





TRITION vs LEXION



SETTING THE SCENE

25 years ago two big developments hit the agricultural world – CLAAS' ground-breaking LEXION HYBRID combines went into full scale production and dedicated machinery magazine Profi International was launched.

This harvest CLAAS teamed up with Profi to mark that anniversary by putting a brand new TRION packed with the latest cutting edge technology alongside a LEXION 480 in the field.

The location: Garton Field Farm in East Yorkshire where farmer Simon Ulyott has run his LEXION 480 Evolution for the last 15 years.





“Although the TRION is a narrow-body machine and its engine is similar power to the LEXION 480 Evolution, the machine clearly has the potential for much greater output – it’s really impressive.”

TRION 750 vs LEXION 480 Evolution, Simon Ulyott, East Yorkshire

The 480 Evo came to him as a three-year old machine replacing two ageing straw walker combines.

“Farming 1800 acres at the time we were pushed to reliably get everything cut in good time,” explains Mr Ulyott.

“At that point there was no one machine that could be guaranteed to clear

that acreage other than the LEXION. CLAAS HYBRID combines had been out in the field for nearly ten years by that point and they were proven machines that had plenty of capacity.”

Why CLAAS?

“I looked around at the alternatives but there was nothing that could provide the balance between output and not smashing the straw to bits like a single rotor machine would.

“Ultimately the decision came down to build quality.

I’ve always tended to run my combines for ten years or more and to do that with any degree of reliability you’ve got to be confident that the machine is built to stand the test of time. When I looked at the 480 I was totally convinced.”

Has it been reliable?

“After 15 harvests our machine has now got over 3100 engine hours on the clock and has never had a major breakdown.

“Each year we get our dealer – CLAAS EASTERN – to go through the machine and give it a thorough service which has

proved a good investment. The lads there know these LEXION inside out. They know what wears out over time and only replace what needs to be changed.”

Mr Ulyott’s own knowledge of the LEXION HYBRID concept made him the ideal candidate to host a trial of a new TRION 750 alongside his own 2003 LEXION 480 Evolution.

So how does the new machine compare?

“First impressions of the new TRION are simply that it’s much more user-friendly machine. At



The full in-field comparison of the TRION 750 and the LEXION 480 Evolution appeared in Profi's Harvest 2021 Special.

the time the LEXION set new standards for operator comfort but this new generation is a big step on.

“The cab has a real feeling of spaciousness. There’s room all around the seat, even with a passenger alongside and there are heaps of cubby-holes and shelves to accommodate all the bits you need for long working days.

“It’s super quiet and the visibility is superb. With the header set well out in front, you’re not hunched over the steering column. The whole seating position is much more relaxed.”

Controls

“I really like the new hand-grip. It fits your hand beautifully and everything’s at your fingertips. The controls themselves bring certain level of finesse – they’re really responsive to any changes you make.

“The new CEBIS touchscreen is clear and easy to fathom. After ten minutes working through it even a dinosaur like myself can master the space-age technology on this latest generation.”

Output

“Although we were cutting standing wheat during the comparison, I can see that the draper-type CONVIO header

could bring significant benefits in laid crops. The way the belts draw the crop in means you can keep motoring whatever the conditions.

“Although the TRION is a narrow-body machine and its engine is similar power to the LEXION 480 Evolution, the machine clearly has the potential for much greater output – it’s really impressive.

“For me though, now I’m farming a much smaller area, the old LEXION will do just fine. It still runs like a sewing machine and I’ve got peace of mind knowing it’ll do everything I ask of it.

“I’m confident it’ll do another 15 years or at least see me through to retirement, whichever comes first!”

FARM FACTS

Business Garton Field Ltd, near Drifffield, East Yorkshire

Estate area 255ha (630 acres)

Cropping Winter wheat 121ha (300 acres) Spring beans 40ha (100 acres)
OSR 40ha (100 acres) Land let for potatoes 40ha (100 acres), remainder in grassland

Livestock 2000 weaners contract reared to 40kg

Staff Simon Ulliyott plus one other at harvest

We've come a long,
long way together.





Going Beyond – CLAAS Service

Being at the forefront of technological innovation is only part of our journey, providing an After Sales Service that matches the competency of our machines is just as vital.



“ My working relationship with GORDONS is just brilliant and I feel like a true part of the CLAAS family. I know what I have in them and they know what they have in me.

Whether you're dealing with CLAAS UK or the guys at GORDONS, it feels like we're all working towards the same goal. There is no better back-up.

The kit's good but the service is just phenomenal. ”

Jim Watt, August 2021



“ We get unbeatable back-up from GORDONS. They've always got the parts on the shelf if anything breaks and their fitters know these machines inside out.

Because of that we always get them to do our out-of-season servicing. It gives us peace of mind and having a proper CLAAS maintenance history adds significantly to the second-hand value of the machines when we swap them out. ”

Scott Hamilton, August 2021



“ The local back-up from the MANNNS Fransham depot has been exemplary and we could not have asked for more.

A strong relationship with the dealer is a huge factor for me when buying a machine and this has been highlighted with this combine. ”

Tom Pearson, August 2021



“ For us it's all about back-up. The EASTERN team at the Markham Moor depot look after us so well – we know they'll keep us going whatever happens, day or night. ”

Will Fisher, August 2021



“ As ever the back-up from MANNNS was phenomenal. I was prepared to be a bit of a guinea-pig in taking a pre-production machine only because I have total confidence in the service we get from MANNNS.

Any minor niggles we've had have been sorted immediately and I know that if we were to have a big issue mid harvest we'd have a loan machine here within hours. ”

Robert Baker, August 2021



“ Each year we get our dealer – CLAAS EASTERN – to go through the machine and give it a thorough service which has proved a good investment.

The lads there know these LEXION combines inside out. They know what wears out over time and only replace what needs to be changed. ”

Simon Ulliyott – 480E with 15 harvests under his belt



Plan ahead and save money by booking your Post Harvest Service now.

The earlier you book, the cheaper it will be.

As your dealer today for details.

Combine Model Overview.

Model	790 hp - 408 hp		367 hp - 313 hp		306 hp - 258 hp	
LEXION 8900TT	790 hp					
LEXION 8800TT	653 hp					
LEXION 8700	585 hp					
LEXION 7700		549 hp				
LEXION 7600		507 hp				
LEXION 7500		462 hp				
LEXION 7400		408 hp				
LEXION 6900		507 hp				
LEXION 6800		462 hp				
LEXION 6700		408 hp				
LEXION 6600				354 hp		
LEXION 5500TT		408 hp				
LEXION 5400				354 hp		
LEXION 5300					313 hp	
TRION 750		435 hp				
TRION 730		408 hp				
TRION 720			367 hp			
TRION 660		408 hp				
TRION 650				354 hp		
TRION 640						306 hp
TRION 530						306 hp
TRION 520						258 hp

HYBRID
Straw walker
TERRA TRACS options available on many models.
MONTANA options available on selected models.



The new **CLAAS TRION** fits your farm.



MODEL RANGE

20 TRION models
HYBRID 750-720
STRAW WALKER 660-520

TERRA TRACS

Available on 750, 730, 720,
660, 650 and 530

MONTANA

Available on 750, 730, 720,
660, 650 and 530

SEPARATION SYSTEM

2 rotor on 750 HYBRID
1 rotor on 730/720
6 walker on 600
5 walker on 500

APS THRESHING SYSTEM

600mm threshing drum
on all models

CLEANING SYSTEM

JET STREAM on
all models

NEW MULTICROP CAPABILITY

Change from one crop
to another quickly
and simply

ENGINES

Cummins up to
435hp

GRAIN TANKS

sizes up to
12,000L

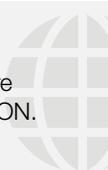
NEW CAB

on all models



Scan me.

Learn more
about TRION.



Made for your unique challenges, your specific goals, your individual success – the new CLAAS TRION comes with choices, not compromises.

Call your CLAAS dealer today for a demonstration.