





TRION 750TT

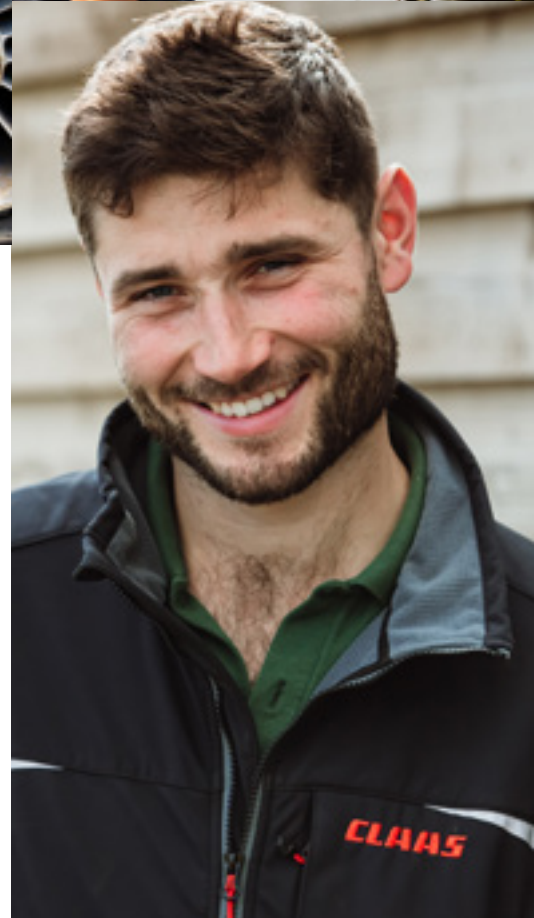
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Ed King, Cambridgeshire, August 2021



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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.



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“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.

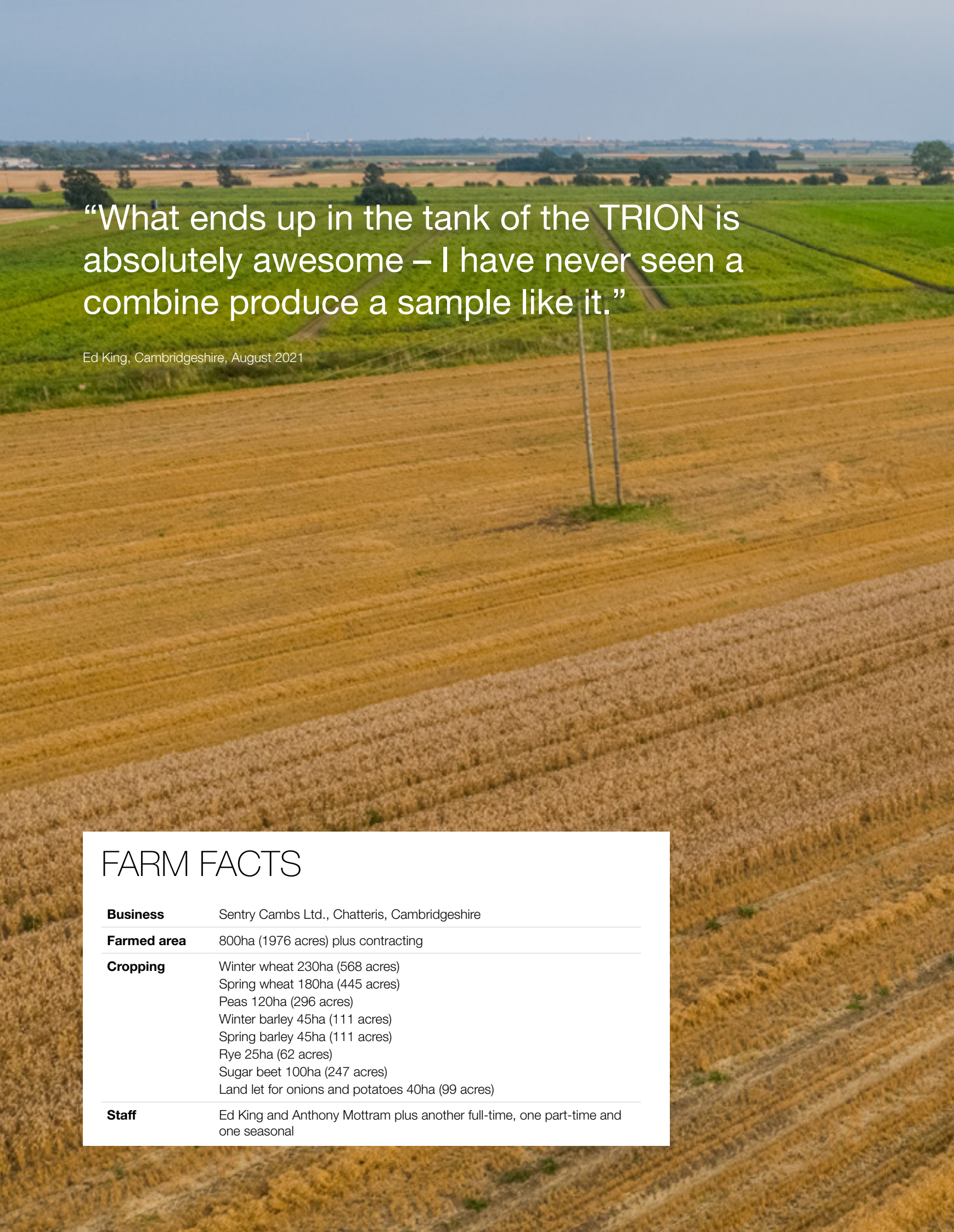
“Filling trailers to the max is made that much easier with the new pivoting spout and camera. It’s a much neater exit from the chute which means grain stays where it falls and, mounted in the left-hand corner of the windscreen, the display gives you a much better picture of how much room you’ve got left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



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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

