

DRIVING SPRAYERS

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BATEMAN



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Spraying is in our DNA

Recently, whilst showing a customer around our latest machine, I was asked if I could describe what had gone into the making of it? My immediate response was 'heart and soul'. From my Father's perspective and indeed my own, we've always absolutely loved what we do, perhaps a little too much.

A passion for solving spraying problems is how Bateman began. Everything starts with a sketch, you need that trigger to take an idea in a certain direction and allow you to have that creative moment within a logical, process-driven engineering environment. The magic is hearing from our customers that what we believed would make a real difference to their productivity has exceeded expectations.

Today's Bateman sprayers are an evolution of 40 plus years of continual refinement. Our focus always is to improve our products, it's what drives us, we go to extreme lengths to test a component before it's approved for in-house production. However, whilst our sprayers have evolved over time, there are still one or two things that worked so well 25 years ago you'll still find them on the machine today.

Bateman is unique in the way in which we do things; we are very much a family, it's personal to our customers' and it's very personal to us. I would say fundamentally we are defined by design, the reliability of our machines, the back-up we provide and the team of people who make it all possible.

When you drive a Bateman sprayer you feel connected with it. The moment you push the stick forwards it responds immediately; the perfectly balanced weight distribution gives you the confidence to push on. New technologies allow us to make the sprayer easier to drive, however if you choose to take control, the unique physical driving connection of a Bateman sprayer is always maintained.

There are numerous sprayers on the market, however, I believe we're the best machine to buy for the majority of spraying applications. Our aim is to build a sprayer that costs very little to run, starts every morning, is hassle-free and has a great resale value.

Over the coming months we'll be releasing more innovations designed to make your spraying days and nights even easier. I look forward to sharing these with you and wish you the very best for the season.

Jason Bateman
CEO
R. J. Bateman Engineering

GREAT BRITISH SPRAYERS

Every aspect of a Bateman sprayer is custom designed and built at Bycott, the home of R.J. Bateman Engineering since 1976.

Bateman's tradition of sprayer engineering is unlike any other manufacturer. It's the result of highly skilled people driven by creating the very best self-propelled sprayers, whilst passing their skills on to the next generation.

There are many advantages to designing and building our sprayers entirely in-house. Rather than taking

an off the shelf component, we design, prototype and make a bespoke component that's 100% dedicated to the sprayer.

Bateman are the only manufacturer who make a cab specifically for a sprayer. The benefit? It means our Panoramic 3 cab works in complete harmony with our chassis, unlike third-party alternatives that result in inevitable compromise.



We're equally committed to quality control. Our teams spend hours in the factory and on our fields to ensure every inch of the machine isn't simply up to standard, but sets the bar for the industry.

Collaboration has always been king at Bateman and forms the backbone of every partnership we've built with farmers and contractors across the UK and beyond. We never stop listening to our customers, their

feedback is actively encouraged, because innovations happen when knowledge is shared.

Our customers and prospective Bateman owners are always welcome to visit our factory for a guided tour. To arrange your visit please contact our Head Office on: **01769 580439**

David Jones

Interview with David Jones, JH & MM Jones,
Stratford upon Avon, Warwickshire.

David Jones is a partner in JH & M M Jones, based just outside Stratford upon Avon. The business grows 1100 hectares of combinable crops - wheat, oilseed rape, winter barley and spring beans.

Which Bateman sprayer do you run?

We currently run an RB35 with a 32 meter boom. This time we added Bateman Boom Levelling, Capstan Pinpoint III Pulse Width Modulation and E-Drive transmission. We also specified oversize, taller tires.

How long have you been running Bateman sprayers?

We changed to the Bateman machines in 1999, back then with an RB25.

You chose Pinpoint III PWM what difference has it made to target application?

The real big difference for us is the timeliness and the application in different weather windows that we seem to experience. We can choose the droplet size to match our forward speed and that also helps us in the more drifty parts of the days on the banks. We're now in control of our application.

Can you describe the terrain you spray across and the benefits that BBL provides?

We've got some steep hillsides, some quite sharp cambers and changes on banks, getting that positive negative boom control and now being so precise with the upgrades of the Bateman Boom Levelling System. It's just opened our windows up even more for spray windows.

The boom hugs the banks on the headland turns, it's nice and smooth, easy to use and generally we're just doing a lot better job.

How does E-Drive enhance machine performance in the field and on the road?

For us, the E-Drive has made a huge improvement to our actual traction control and stability on our hillsides and undulating land. The E-Drive is acting and putting the correct speeds to the right wheel motors in each corner. It's always in the right gear at the right time.

It's nice and smooth and progressive, driving into the field corners you actually feel in control. You can creep back into your corner, engage forward and move on quickly and efficiently.

How would you rate the back up from Bateman?

The Bateman backup is something that always makes me smile and a lot of other users too, because to me it's second to none. They do a fantastic job.

They are a family business, we're a family business.

The phone service back at Bateman's headquarters, there's a lot of knowledgeable people in the office with great on the ground information that can help myself or the operator. If you had a real emergency I know everything's

dropped and they're out to it, fortunately over the years we haven't really had to experience that.

Are you able to sum up what owning a Bateman means to you?

It's the most used machine on the farm. It does the most hours of any machine. Having that connection with Bateman is a big part of our business and being able to discuss improvements and share ideas is fantastic.

The reliability is second to none. They're known for having very good, strong, second hand values. It's been a very good experience for us and something that we look forward to continue.

**“It's always
in the right
gear at the
right time.”**





SIMPLY BETTER, WITH BA

The Bateman ethos of 'innovation simply applied' comes in part from our background as farmers. Innovation is important, farmers and growers are always looking for those marginal gains that make such a big difference, but if you are making things better simplicity must be at the core.



Our latest Bateman Boom Levelling system (BBL) is easy to operate and enables more precise spraying in difficult conditions.

DEVELOPED ON OUR FARM

Because every Bateman is designed and manufactured by us in-house from the ground up, all aspects of our sprayers are rigorously tested before going to market. The latest upgrade to BBL was put through its paces on the demanding terrain on our own farm, in all weathers and light conditions.

DESIGNED FOR VARIABLE GEOMETRY BOOMS

BBL is designed to work in complete harmony with all Bateman Variable Geometry (VG) booms from 24m to 42m. Our VG boom is available as an option on the RB26 and RB35 models, but is a standard feature on the RB55. The VG boom is designed for medium to large-scale farm and contract spraying.

MAINTAIN PRE-PROGRAMMED SPRAY SETTINGS

Using BBL when you're in the field couldn't be simpler. Activated via the Agleader terminal, BBL is an option you can select without the need to change any pre-programmed spray settings.

DYNAMIC RESPONSE TO HEIGHT VARIATIONS

Whether you are spraying in mixed terrain, during fading / low light conditions or at night, BBL monitors the terrain via a series of sensors positioned around the machine, which guide the boom immediately a variation in height is detected. The boom adjusts laterally when spraying across or up an incline, whilst boom height and consistency of spray are maintained when spraying in a dip. These functions are achieved across a wide range of machine speeds.

CAN BE RETROFITTED

The BBL system is designed to work across all Bateman's VG booms. BBL has been successfully fitted to older Bateman VG boom models.

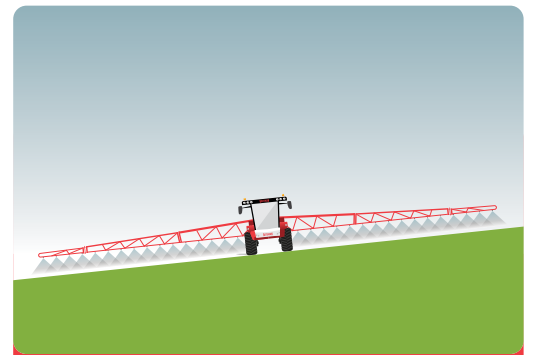


TEMAN BOOM LEVELLING.



Designed to work with
Variable Geometry
boom up to **42m**

Sensors constantly monitor
the contours of the terrain for
variations in height.



Boom adjusts laterally when
spraying across or up an incline.

Ready when you are

24hrs



Boom height and consistency
of spray are maintained when
spraying in a dip.

In the field

Carl Goff – Bateman Technical Sales Manager, South.



Carl Goff joined us as Technical Sales Manager for the South. At the close of his intense two-week induction at Bateman HQ,

we caught up with Carl and posed him a few questions...

What are your first impressions of Bateman?

Professional and very welcoming, whilst making me feel like part of the team from day one. From the outside looking in they built a reliable, proven sprayer with excellent back up, being in and around the factory for my first two weeks has transformed this perception into reality. Awesome!

How much did you know about Bateman before joining the team?

On a personal level not a lot. I knew that they were the leading manufacturer for self-propelled sprayers in the UK, with superior backup. Every farmer in the

country knows Bateman and growing up in the Kent countryside, they were everywhere, an iconic farming machine.

The Bateman family have done a great job over the years, it's exciting to be part of a forward thinking, progressive business that is embracing the technology available and integrating it for farmers to get the most out of their investment.

Your background is agricultural dealer sales, what made you switch to a manufacturer?

The manufacturing side has always fascinated me, I like being at the forefront of what's new and upcoming in the future. It's a niche and fairly unique business that deals directly with the customer, whereas most manufacturers deal through dealerships, therefore I get the best of both worlds.

What do you think your biggest challenge will be?

I think sometimes meeting customers' lead time expectations, particularly in the current climate, can be a

challenge, especially due to the demand of the Bateman product. However, on the flip side I have been very impressed by the sheer amount of component stock that the factory holds.

Production capacity has never reduced, customers' have always been able to get hold of spares no matter what, even during the recent COVID pandemic.



The Bateman mantra “Keeping the Wheels Turning” is evident throughout the company, everyone I have spoken to is dedicated to producing the best sprayers. It’s quite incredible.

European built sprayers have naturally become competition over the past few years. Bateman’s forward thinking approach and their technology has helped keep the brand at the forefront of customers minds when they are looking to change their sprayer.

How do you see the next 12 months going for UK agricultural machinery sales?

There is a lot of uncertainty in the world at the moment which naturally is going to have an effect on people’s decision making process.

However, the world still needs feeding and British agriculture has a big part to play therefore we will still move forwards.

A lot of professional farming businesses have got a machinery exchange policy so in essence I see Agriculture being quite buoyant for the next 12 months and onwards.

Personally I view the sprayer as the most important machine on the farm, helping to nurture the crop through the season therefore, it’s the one machine that farmers will most likely keep up to date over other machinery. It’s important also that the new technology meets legislative requirements and in turn makes a farm a lot more efficient.

What are you looking forward to the most?

I’ve always had a passion for farming and British agriculture as a whole. I’m really looking forward to meeting new customers from different areas of the UK and observing the way they farm and asking how they see the future of British farming.

I’m also excited to be dealing with our overseas customers and learning how their farming techniques and cropping differ from the UK market.

Any vehicle, anywhere in the world. What is it and where would you be?

Aston Martin DB9 in Barbados!

The DB9 is an iconic car and with the noise of the V12, it takes some beating in my eyes. I love the Caribbean Islands but Barbados is by far my favourite. Paired, it would be the ultimate driving experience.



New E-Drive gives you even more control.

We pride ourselves on 'keeping the wheels turning' for our customers and maintaining our position as 'second to none' for self-propelled crop sprayers.

The philosophy of innovative thinking, simply applied, drives our business as much today as when the first Bateman was built nearly 50 years ago.

We have introduced our new E-Drive transmission, which is designed to provide a wider range of control in all situations. Features include:

Powerful boosted braking: – (hydrostatic) and dynamic braking, using the emergency brake pedal.

Road mode: – fully automatic with eco mode and cruise control.

Field mode: – manual throttle, stability control – fully automatic mode. or manual gear selection override.

Cruise control – for optimum field working speed.





Blended pulse nozzle control with Capstan 3 PWM

Developed with our partner, Capstan Ag, Pinpoint III is next generation Blended Pulse Width Modulation.

PinPoint III combines the pressure control and performance valve driving of PinPoint II but adds ISOBUS VT/UT compatibility along with full rate controller functionality, expanding the flow and pressure stability to another level of control all through compatible ISOBUS displays. Individual nozzle resolution on your primary display allows for synchronized as-applied maps and volume counters and easier operation per

a prescription map.

Turn Compensation, Valve Diagnostics, easier nozzle profile changes, and setup are all redesigned to display and operate on the VT and continue to provide the operator-focused information that enable the most confident application possible.

The expanded speed and application rate ranges that PWM is known for are still present with even better pressure and rate stability. Further features include iOS/

Android app-based software updates, the option to operate the system with even higher resolution on an iPad or tablet with increased overlap control*. The system is also compatible with see-and-spray control systems.

PinPoint II systems are able to be upgraded to PinPoint III to bring the new features to existing installations.

*Additional hardware required.



Sam Kay

Interview with Sam Kay,
Wharram & Kay, Vale of York.

What is the nature of your business?
We are currently farming over 700 hectares of cereals and oil seeds in the Vale of York.

Which Bateman sprayer do you run?

We run an RB35, 36 metre with a 4,000-litre tank with optional larger wheels and Bateman Boom Levelling.

How long have you been running Bateman sprayers?

We've been running Bateman's for over a decade. We're now on our third RB35 machine and we're very impressed.

What made you choose Bateman?

We chose Bateman because they're a family-run business, we are as well and we really like that. They also listen to our needs and requirements to develop a machine that works for us.

You worked with Bateman to modify your sprayer to accommodate larger tyres, can you tell us about this?

The main drive for us to change to bigger wheels was the fact that in the Vale of York at certain times of the year the soil can lie quite wet. We wanted to reduce the soil compaction we were making and the depth of wheeling's we were leaving, therefore, we opted to change to the bigger wheels. We were previously running on a 600 sized tyre with a 30-inch rim, we've now opted for 650 tyre on a 38-inch rim.

With us lifting the height of the sprayer, the overall spray height was obviously increased, we found that we needed to lower the boom height to allow us to spray in windier conditions. Bateman were all so very helpful with that, Jason took the machine back to the factory and designed a new back frame which was retrofitted to our machine. This now enables us to spray in worse conditions to ensure the crop gets its nutrients in a timely manner.

The overall results are brilliant, the depth of wheeling's we have now are minimal, compared to what we were experiencing.

Can you describe the terrain you spray across and the benefits that Bateman Boom Levelling provides?

The Bateman Boom Levelling is absolutely fantastic. We don't need to worry about the booms colliding with the floor, they follow the contours of the ground perfectly and they enable us to maintain the

appropriate spray distance between the crop canopy and the tip of the boom.

Spraying at night isn't an issue, we have no concerns about the boom colliding with the floor, even though you can't see the boom very clearly in the dark, you know that the technology is there to assist you. We quite frequently spray chemicals on the urban fringe and the Bateman Boom Levelling enables us to keep our drift down.

“It's reliable, efficient, a pleasure to drive and it just gets the job done.”

How would you rate the back up from Bateman?

The backup from Bateman is phenomenal. Any queries or questions that the operator may have, there's always a handful of guys at the end of the phone in the office back in Devon; they'll have you back up and running in no time. In the event of a breakdown which can't be fixed over the phone, I'm astonished at how quickly an engineer is on site making sure that we're back up and running.

Are you able to sum up what owning a Bateman means to you?

The Bateman sprayer is the most used machine on the farm, it's out most days! It's reliable, efficient, a pleasure to drive and it just gets the job done.



Walking the walk...

The very first Bateman sprayer was designed and built by Richard Bateman in 1976 to enable him to continue spraying on his farm during demanding conditions. That farm was Bycott Farm in Devon, the home of Bateman Sprayers. We've farmed at Bycott since 1968, it remains a working arable farm today.

Our agronomist is Matthew Alford, Matthew has worked with us for the past 4 years, but our association stretches much further. Matthew takes up the story...

"You might say that living about 5 miles from the factory I've grown up with Bateman. Even during my early spraying career in Cambridgeshire, I was in the cab of an RB15 and when I came back to North Devon to work for a farming and contracting business I operated a Bateman Hi-Lo an RB25 and then an RB26.

"I spent 5 years contract spraying at Bycott Farm, before joining Agrii. It's definitely the ideal environment to put a sprayer and spraying technology through its paces; in particular the high altitude and undulations, it's also quite open to the

elements, therefore we are operating in very difficult conditions and spray days can be quite tricky.

"Bycott Farm means a lot to me, when the opportunity to become involved as the farm's Agronomist presented itself I grabbed it with both hands. I sat down with Jason and we sketched out a medium-term plan for the farm which included a series of short-term easy wins.

"It's very much a team effort. I visit the farm approximately every 2 weeks, I walk the fields during each visit and I'm in regular contact with Jason. I work very closely with our sprayer operator to manage the spraying plan and liaise with all the other contractors involved in operations on the farm.

"One of the first changes we made

was to switch from bagged fertilizer to liquid fertilizer. We installed an OMEX tank on farm to enable the sprayer to apply everything that the crop requires. We've moved to 36m tramlines, we've got small fields meaning lots of headlands, which means that the edge of the crop is now receiving 100% of what it needs.

"Thirty years or so of continuous combinable cereals had taken its toll, it was heavy farming – late combining and drilling. Jason and I set out to improve soil health by deep subsoiling to lift the soil profile and to begin applying organic material – composts plus chicken manure.

"We've switched from combining to wholecropping which is now harvested 4 - 6 weeks earlier, giving us a window in the summer during the better weather



to prepare for the next season in terms of ditch cleaning, application of organic material and planting of summer cover crops.

"The farm is approximately 80 hectares which is now split into 45 hectares of winter wheat - either continuous wheat or first wheat, 15 hectares of winter barley with the remainder divided between winter oats or spring oats. 2022 was the first year we've grown oats on the farm, this allowed us to go back with some first wheats during the autumn.

"Another first for Bycott was the introduction of 10 hectares of an overwintered cover crop mix. The mix of predominantly sunflowers, mustard, radish, phacelia, vetch and berseem clover was put in during June 22, will be flailed off during March 23 and we'll direct drill spring oats into these fields.

"Our yields for 2022 were exceptionally good. We increased our tonnage by more than double that of 2021, the quality was also much better, which is down to the investment in raising soil organic matter

levels over the past 3 years. All of this is very pleasing, especially when you consider it's a heavy farm and the dry season we had in 2022. However, there's always room for improvement, I hope that 2023 will be even better for the farm, depending on the weather Mother Nature sends us.

"The strength of Agrii is the relationship between the farmer and the agronomist, I think that is typified by the work taking place at Bycott Farm and the results we are achieving."



Legacy sprayer operator
Stuart Burman

Can you tell us about your work?
We're a family farming partnership comprising two farms 6 miles apart, around 650 acres in total. We farm about 500 acres of arable crops – wheat, barley, oilseed rape, beans and linseed. I also contract spray for other local farms approximately 8 miles east and west of our farm.

What Bateman do you run, what width is the boom and capacity of tank?

We actually run 2 Bateman's. We have an RB15 with a 24mtr Contour Boom and a 2,500ltr tank and also an RB35 with a 24mtr Variable Geometry Boom

and a 4000ltr tank.

How long have you run your Bateman's did you purchase from new?

We purchased the RB15 in 2012; it had around 11,000 hours on the clock and is now up to just over 15,000 hours. We recently purchased the RB35, which is a 2006 model with 11,000 hours on it. We wanted an additional sprayer to take the pressure off the RB15, the increased tank capacity and road speed will be useful.

Why did you choose a Bateman?

They have always struck me as being a good, solid machine, the 'go-to' machine that contractors use. As soon as I bought

the RB15 I contacted Bateman who knew all about the history of the machine, they couldn't have been more helpful, I just thought 'yeah' this is why people rave about Bateman. I was extremely impressed.

Have you ever considered a trailed sprayer?

Yes, I have considered a trailed behind sprayer. The main reason I wouldn't run one is because of the height of the pickup hitch on modern tractors, once you've passed T2 in wheat I think it's just too low. Potentially you'd only use it for 50% of the year, you need a high clearance machine,



you don't want to be knocking your wheat about and you're not going to go through oilseed rape in full flower. Trailed sprayers are not as cheap as people think either. I can just jump on the Bateman when the conditions are right, you haven't got to get up a 5 o'clock in the morning and spend 2 hours putting your sprayer on, you just get up and go.

What nozzles do you use?

At the moment my go-to nozzle is O4 Guardian Air, but we are looking to use Lechler IDKT 03 for lower water volumes for mid-season use. I tend to put on more water and run at 150 litres most of the

time, but they will put 200 litres on quite easily, drift reduction is good and you can still spray when the conditions aren't brilliant.

What coverage would you achieve during a typical day?

Because of how the 3 farms are set up and the travelling involved, I'd quite happily spray 200 acres a day; the fields we spray aren't big averaging around 6 to 8 hectares, but with a lot of obstacles in them. I have sprayed a lot more, but that can be a big day.

How would you rate Bateman's service for a legacy sprayer?

Absolutely fantastic. Parts are readily available and reasonably priced; they arrive the next day if you order them in time. I've never had to have a parts book to give Bateman a part number, whoever you're talking to on the phone knows exactly what you're talking about, I don't know how they do that? I cannot fault them.

What does Bateman mean to you?

A good, strong, reliable machine and I do mean strong, I've driven other makes of sprayer and I wouldn't entertain anything other than a Bateman. They also hold their value; you know you're going to be able to sell it come what may.

PRE-OWNED BATEMAN SPRAYERS

Once a Bateman, always a Bateman. Pre-owned Bateman Sprayers are just as hardworking and hardwearing today as they were on their first day.

A range of Pre-owned Bateman Sprayers are listed on our website. They are offered for sale by their respective owners, with appropriate contact details supplied for each listing.

Visit batemansprayers.com/used-crop-sprayers, or for more information contact Head Office on **01769 580439**

BATEMAN

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