

MULTI FARMING SYSTEMS

Coggan Partnership World Record - 905.48 hectares planted in 24 hours
120ft (36m) Flat Folding Wing Multiplanter from Multi Farming Systems

This unique frame design has revolutionised broad acre cropping where narrow gates and nature strips have previously limited planting widths to around 60ft (18m). Double folding wing seeding bars wider than 60ft (18m) are extremely rare, if they exist at all.

The flat fold concept is similar to the old Shearer field span, however much greater planting widths are achievable with Multi Farming Systems technology. "We designed a system similar to that of our Pin Wheel Stickrake, in that we have huge 8" (20cm) boxed beams preventing the frame from twisting and buckling when it is under load" said designer David Trevilyan. "We found that this size beam is incredibly strong, and by hinging the frame and placing the wheels in the right position, it is ideal for carrying folded wings safely. We spend a bit of time getting the design right due to the sheer size of the machine, and have incorporated dead wheels on the frame to help carry the weight of the wings while they are in the air."



Phillip and John Coggan being congratulated by David and Kris Trevilyan of Multi Farming Systems for their world record success.

"When the farmer wants to fold the machine, he or she simply folds the wings up on their ends, stores the pull chains, winches each side towards the tractor, and attaches each side to the centre pull pole by clipping it into a ring feeder on each side. The air seeder simply trails along behind," said David "To return the Multiplanter back to the working position is even simpler - unfold the wings, reattach the pull chains, detach the ring feeders and drive off. It is an extremely quick and efficient operation."

Features include:

- Five sections, with four wings that fold up on their ends on a single, hinged 8" (20cm) boxed beam. The centre section, which is 50ft (15m) trails behind along with the air seeder.
- Ring feeder and cable winch system to winch and secure the folded wings to the centre pull pole. (Using the new sensor tyne technology, wings are pulled in using huge 5" x 60" stroke rams).
- Facility to add steering rams to rear wheels to GPS auto steer the Multiplanter.
- Standard Multiplanter tyne assemblies for precision depth planting. Each tyne includes a hydraulic ram for consistent pressure, and is depth controlled by a parallelogram controlled press wheel.

David would not like to build a flat folding wing Multiplanter bigger than 120ft, however, there really isn't any limitation on how wide a Multiplanter can be built if it were to end tow. "We have a design for a 302ft (92m) Multiplanter on the table because the tynes are so light to pull. It really is just a matter of the farmers with bigger acreages getting their heads around the concept of such a huge machine. A 160ft (49m) Multiplanter has just been commissioned and we don't intend to stop there".

The Trevilyan family would like to offer their congratulations to the Coggans for their World Record success in planting the most number of hectares in a 24 hour period. "John was sick for such a long time, and it is great to see that he's back on his feet again and doing what he loves. For he and his family to express their gratitude to the Prince Charles Hospital in this way is extremely admirable."

For further information please contact David Trevilyan on 07 4995 7230, or Sales Manager Neville Hayne on 0438 651 093. Visit the website at www.multifarmingsystems.com.au.



▲ 120ft (36m) flat folding wing Multiplanter. Folded up, and in the working position. ▼

