

MULTI FARMING SYSTEMS

CWCFA Wellington Field Day 2005 22ft 3 inch Multiplanter with Simplicity Air Seeder PM2 3000 and small seeds box

We present to you the Multi Farming Systems 22ft 3 inch Multiplanter, courtesy of Robert Caldwell.

Robert's decision to purchase the machine was based on the following advantages:

- Sowing width of 6.6m, up from 3m of old combine. Sowing rate over double, 125% increase.
- Lift wheels inside frame width. Allows 100% planting of irrigation bays (full utilization).
- Moisture seeking tynes, allowing increased sowing options.
- Trash handling, can sow into stubble.
- Air seeder bin, bulk handling of seed and fertilizer.
- Electronic metering, once only setting of seed and fertilizer rate necessary.

Multiplanter Features

Precision seed depth - the press wheel acts as a depth gauge for the hydraulic tyne tip and seed tube to ensure consistent placement of seed. Each tyne assembly works independently of the frame, thus enabling it to follow the contours of the land. Seed to soil contact is maintained via firm pressure of the press wheel, which can be adjusted on the run from the tractor.

Tilth - seed bed preparation is achieved in one pass via a 2" spear tip with wings, digging at a 15° soil entry angle. This unique combination provides the perfect seed bed tilth that is unachievable with a chisel plough.

Moisture - with just a small 2" spear tip per tyne, soil throw is minimised and valuable sub soil moisture retained. With accurate seed placement comes the ability to plant into sub soil moisture without having to wait for rain. Post seeding rain is harvested via a deep seed bed trench, retaining further valuable moisture for the crop. This trench also protects young seedlings against frost and/or sandblasting until they are sturdy enough to withstand these adverse conditions.

Trash clearance - with 33" underframe clearance, wheels placed fore and aft, and the C shape tyne, trash flow is optimised.

Germination is consistent across all soil types and is due to the moisture seeking and precision depth planting abilities of the Multiplanter. Seedling emergence is quick and plant growth is vigorous.

Weed Control - with 13 1/3" row spacings at 8km/hr, soil throw is just enough to create a mound to starve weeds of water close to the seedbed. There is no need to run harrows or prickle chains, which would upset the depth of the seed.

Multiplanter construction - built by a farmer for farmers. The machine is robust and hardwearing, with minimal maintenance and spare parts required. The Multiplanter is light to pull, at around 4hp per tip in average soil conditions.

Any configuration can be accommodated, from single tyne machines to 120ft and more. End tow, folding wing, Big N gas application, chisel points and 15" sweeps can be fitted for conventional farming. Construction can be modular so additional frames can be added on as operations grow. Components are interchangeable and any tyne from the MFS range can be used on the same machine.

Independent studies have shown the Multiplanter to increase profitability significantly over that achieved by conventional chisel ploughs.

Robert's Additional Features include:-

- Frame marked for 13 1/3", 24" and 33" row spacings.
- Double shoot seed and deep banding of fertiliser. Small seeds will be broadcasted from the frame.
- Cost efficiency of pull mounted air seeder, although view of Multiplanter is compromised.
- No planting in the wheel tracks of the tractor.

For further information please contact David Trevilyan on 07 4995 7230 or 0428 651 093.

