

# MULTI FARMING SYSTEMS

## Leucaena Multiplanter from Multi Farming Systems 2005

Multi Farming Systems (MFS) have just completed their first 4 row, 3 point linkage, telescopic Leucaena Multiplanter for the grazing industry. The Multiplanter has 36" spacings between each twin row, with 20 to 28 feet between the middle tyne assemblies. The width of the entire machine can be extended from 26 to 34 feet.

### Features include

- Optimal efficiency, minimal maintenance and minimal cost. This has been achieved by purchasing good quality second hand fertilizer boxes, utilising plastic containers for seeding boxes and fitting them all to a signature, Multi Farming Systems robust and hardwearing frame.
- End tow facility with wheels mounted to the frame to save time in the paddock.
- Inbuilt ladder to each fertiliser/seed box for comfortable refilling. Seed and fertiliser simply gravity feed and are ground driven.
- Hydraulic oil for tyne and telescopic rams return direct to the tractor.
- Air chamber with pressure gauge fitted is mounted on top of the frame.
- Open end frames to allow blowing out of chaff gathered from telescopic beam.
- Multiplanter tyne assemblies for precision depth planting. Each tyne includes a hydraulic ram for consistent pressure, and is controlled by a parallelogram controlled press wheel.
- Grease points are completely eliminated, saving the farmer time and money.



◀ Inventor David Trevilyan plumbing the Multiplanter

▼ Tyne assembly with spring steel press wheel.



**Germination** is consistent across all soil types and is due to the moisture seeking and precision depth planting abilities of the Multiplanter.

**Precision seed depth** - the press wheel acts as a depth gauge for the tyne itself to ensure even placement of seed. The tyne assembly works independently of the frame, thus enabling it to follow the contours of the land, while maintaining even depth seed placement and consistent seed to soil contact via the firm pressure of the press wheel.

**Press Wheels** - Leucaena planting requires pressure on either side of the seed. The MFS two circle spring steel press wheel eliminates the need for a dual press wheel operation, as soil is compacted either side of the seed. There is no smearing such as can be made by rubber wheels in wet soils, and the problem of rubber flipping off when turning tight corners is eliminated.

**Tilth** - seed bed preparation is achieved in one pass via a 2" spear tip with wings, digging at a 15° angle. This unique combination of tip design and soil entry angle 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 moisture seek, enabling planting 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 and promoting a strong and vigorous growth. This trench also protects young seedlings against frost and/or sandblasting until they are sturdy enough to withstand these adverse conditions.

**Weed Control** - with 36" 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.

For further information please contact David Trevilyan on 07 4995 7230, or your local Multi Farming Systems Dealer.

