



Moisture Manager Tillage and Seeding System

Moisture is the Key...

Moisture Manager delivers 74% increase in yield.

This case study compares the moisture at seed bed between a Narrow Hoe and the inverted T-Boot supplied with the Moisture Manager Bar.

6 each of the Narrow Hoe and inverted T-Boot were run alongside each other during the planting of a 16 Ha trial plot. The seed beds measured, lie 30 cm apart and wheat was planted during the same run at a depth of 4.5 cm.

Moisture meters were inserted into the seed bed of each tyne 90 minutes after seeding took place. These measurements were photographed on 7th May 2015. The photographs below indicate the comparative moisture at seed bed.

Mid-season comparative results are recorded and harvest results demonstrate the commercial advantage of the Moisture Manager.

CASE STUDY

Background:

Ian and Trevor Shadbolt farm 11 500 acres close to Mukinbudin in Western Australia. They spent 5 years researching planter bars before deciding to invest in a 14m wide Moisture Manager bar. The success of their investment over the past two years has led them to record the comparative performance of other planter bars during their third planting season.

The Test Location

At Mukinbudin, along the Bonnie Rock / Mukinbudin Road, at the intersection of Manual Road. Photographs: 7th May 2015



Moisture Measurements

Row planted by the Narrow Hoe

Row planted by Inverted T -Boot

The result was that the seed planted by the Inverted T-Boot, achieved 80% emergence 48 hours before the seeds planted by the Narrow Hoe.

Mid-Season results in the same field:

Photo: 28th August 2015

Rows planted by Moisture Manager Bar with Narrow Hoe:
Average 11 strong stems plus 3 weak stems per 30cm of row

Rows planted by Moisture Manager Bar with Inverted T-Boot: Average 19 strong stems per 30cm of row

This case study demonstrates that optimum seed placement by the inverted T-Boot results in increased humidity allowing germination and emergence, setting the farmer up for increased yields. This is what the Moisture Manager planter does exceptionally well. Farmers that use the Moisture Manager are achieving greater yields and making more money on a comparative basis.

Harvest Results 16 December 2015

NARROW HOE

11 strong stems, 3 weak stems per
30 cm of row
3 to 4 grains per cluster



INVERTED T BOOT

19 strong stems per 30 cm of row
4 to 5 grains per cluster

Inverted T-Boot mounted on a Moisture Manager Bar delivered on average a 74% increase in yield compared to the Narrow Hoe.