

PERFORMANCE INDICATORS

Farm:
Balance Period:

Namoi Valley Cotton
09/10/2005 to 03/03/2006

1. Green Area:	435.00 ha		
2. Yield:	4,764.00 Bales	10.95 Bales / ha	
3. Total Gross Inflow Water Use Index		1.14 Bales / ML	<u>Yield (Bales)</u> Total Gross Water Inflow (ML)
4. Total Gross Available Water Use Index		1.07 Bales / ML	<u>Yield (Bales)</u> Total Gross Available Water including Effective Rainfall and Change in Soil Moisture Reservoir in Root Zone (ML)
5. Gross Irrigation Water Use Index		1.42 Bales / ML	<u>Yield (Bales)</u> Gross Irrigation Water Supplied (ML)
6. Crop Water Use Index		1.49 Bales / ML	<u>Yield (Bales)</u> Calculated Transpiration (ML)
7. Effective Rainfall Index		1.87 ML / ha	<u>Effective Rainfall (ML)</u> Total Green Area (ha)
8. Soil Moisture Index		0.62 ML / ha	<u>Change in Soil Moisture (ML)</u> Total Green Area (ha)
9. Total Water Inflow Loss		23.5 %	<u>Total Water Inflow Losses (ML)</u> Total Gross Water Inflow (ML)
10. Total Available Water Loss		28.1 %	<u>Total Available Water Losses (ML)</u> Total Gross Available Water (ML)
11. Effective Rainfall		79.7 %	<u>Effective Rainfall on Irrigated Fields (ML)</u> Total Rainfall in Irrigated Fields (ML)

Notes on WaterTrack Optimiser

WaterTrack Rapid is a simple and easy to use water balance model which is rigorous in its calculations but lumps all losses into a single figure.

For a detailed breakdown of losses into seepage and evaporation in each element of the irrigation system on a daily basis, WaterTrack Optimiser should be used. WaterTrack Optimiser also allows prediction forward to optimise planted area decisions for various water availabilities and can provide assessment of infrastructure changes on water use (see www.watertrack.com.au or phone 1800 886 536).

Caution: Output of this model is based on sparse data together with an understanding of the processes of water movement on an irrigated farm. It should be used with extreme caution and supported by other measures of water movement on the farm. WaterTrack accepts no liability under any circumstances for decisions based on this output.