

## Pasture Growth Report

The Farm level Pasture Growth Report shows some of the workings of the pasture model.

Firstly, to clarify the difference between Potential Growth and Net Growth;

- Net Growth is potential growth plus any nitrogen boost less any loss of potential and/or decay.
- Potential Growth is what the farm could grow in perfect conditions, including good grazing management and the perfect weather conditions.

When viewing this report, you will see four different tabs at the top of the screen, see below for further description on each:

**Pasture Growth tab** portrays potential growth, nitrogen boost and net growth. The purpose is to identify differences between potential and net growth.

**Potential Growth tab** portrays how potential pasture growth is made up of loss of potential, decay and net pasture demand. The Net Pasture Demand is calculated from total stock demand, less that supplied from supplements, plus the change in pasture cover. This does not adjust for area taken out for cropping nor does it include nitrogen applied.

**Net Growth tab** portrays how net pasture growth is made up of nitrogen boost and net pasture demand (as described above).

The **Table** provides the Net Growth, and how it is derived:

- Rate of Growth - pasture growth rate under optimal conditions as entered in the Pasture Growth Rate screen.
- Adjusted for Crop Area - where there is more than one block, the average growth rate can be affected by crop area; e.g. less grazing area in a high yielding block will lower the farm average.
- Nitrogen Boost - total extra growth due to Nitrogen as defined in the Nitrogen screen. Note that this boost is subject to loss of potential and decay.
- Base + N - Adjusted Growth Rate plus Nitrogen Boost
- Loss of Potential - lost pasture growth rate due to pasture cover being either too high (shading) or too low (inadequate leaf area).
- Gross Growth - Base+N minus Loss of Potential
- Decay - calculated by the model in response to pasture cover and quality.
- Net Growth - Gross Growth minus Decay

All data within this report is daily per grazing hectare.

Have a look at your farm file and see what the difference is between your potential growth and net growth.