

TONIC plantain



The flexible forage herb

TONIC can add value, both in terms of dry matter, and quality, in a diverse range of ways in any farming system.

The benefits include:

- *Increased dry matter production*
- *Extended 'shoulders' of seasonal production*
- *Improved quality at key times of the year*
- *Positive impact on animal performance*
- *Improved supply of some trace elements to animals*

Recommended roles:

Complimentary pasture component

All perennial and short rotation pastures

Specialist summer finishing pastures/crops

TONIC with clovers and chicory

Brassica crops

TONIC sown with multiple grazing brassicas, e.g. WINFRED forage brassica

Spring sown crops, followed by autumn direct drilling of grass species

Hill country & aerial oversowing

TONIC with clovers

Summer dry environments

Of particular value, due to its drought tolerance, and useful cool season production.

PGG seeds



Perennial herb

Valuable year round DM contributor

Source of key minerals

Strong cool season growth

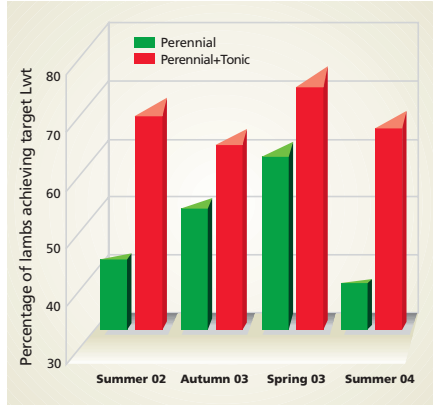
Suits wide environment range

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Finishing advance from Tonic

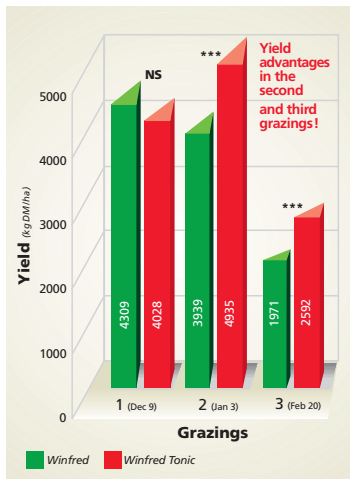


Inclusion of TONIC as part of a perennial pasture has been proven to increase lamb growth rates.



Percentage of lambs achieving slaughter target liveweight at the same date from a perennial pasture, with and without TONIC, in 3 successive years, Ceres Research Centre, 2002-2004.

White clover was chemically removed from all treatments to eliminate confounding effects of variable clover content.



Addition of TONIC to a multiple grazing brassica will improve yields in subsequent grazings, and possibly aid rumen adjustment (a function of its chemical properties and greater diet variation).

Dry matter yields of a WINFRED and WINFRED/TONIC crop in a multiple grazing situation, Ceres Research Centre, 1999-2000.



Ploidy
Diploid

Sowing rate
(per ha)
2-10kg

Leaf
Broad, ribbed

Growth habit
Upright

Seasonality
Drought tolerant

Key minerals
Ca, Cu, Se, Na

Management
Rotational