

Dynamo turnip is a high yielding summer crop ideal for dairy cows. It provides large volumes of low cost quality feed to help maintain milk production when pasture quality and quantity declines.

DM yield

In trials *Dynamo* has shown high yield, not significantly different from the top varieties.

Total DM yield (trial mean =100%)

Variety	Total DM yield*
<i>Barkant</i>	112 a
<i>Rival</i>	105 ab
<i>Dynamo</i>	103 ab
<i>Marco</i>	103 ab
<i>E Max</i>	100 bc
Trial mean	8013 kgDM/ha

* Total DM yield over 8 trials in Waikato, Taranaki, & Canterbury from 2006/07 to 2008/09. Statistical significance lettering given for 5% LSD level, varieties with the same letter are not significantly different.

Low cost summer feed

Sowing a poor performing pasture in *Dynamo* makes sense - it can provide feed for around 13c/kg DM*.

*Turnips for 13c/kg DM - assumptions:

- Turnip crop yields 10 t DM/ha, less opportunity cost of production from poor pasture while crop is in ground of 3.5 t DM/ha = net gain of 6.5 t DM/ha.
- Cost of growing crop = \$855/ha or 13c/kg DM
- \$855 = spray out & cultivation \$320, seed & sowing \$150, fertiliser \$330, pest control \$55.

High bulb percentage

Summer turnips yield in different ways. *Dynamo* produces a good level of bulb (around 45% of total yield), giving it an advantage in seasons when high levels of leaf diseases or pests are present.

Using *Dynamo*

	Oct	Nov	Dec	Jan	Feb	Mar
	Sow			Graze		
Maturity date:	70 - 100 days					
Typical yield:	8 - 12 t DM/ha					
ME:	12 - 14 MJ/kg DM					
Sowing rate:	2 - 3 kg/ha					