



Sowing cheap seed, or seed of questionable origin, risks large losses in income. In these examples \$265/ha is saved at sowing but \$3000/ha is potentially lost in a ewe breeding enterprise, or \$2780/ha lost in a lamb finishing system over the next three years.

## Example: breeding ewe system

	Certified <i>Maxsyn</i> NEA4	Uncertified ryegrass	Difference
Cost	\$350/ha (20 kg/ha at \$17.150 <sup>1</sup> )	\$85/ha (20 kg/ha at \$4.30/kg <sup>1</sup> )	\$265/ha
Income			
Year 1	14,000 kg DM/ha	10,600 kg DM/ha	
Year 2	14,000 kg DM/ha	10,600 kg DM/ha	
Year 3	14,000 kg DM/ha	10,600 kg DM/ha	
Total gross margin (GM) <sup>2</sup>	42,000 kg DM/ha / 660 kg DM/ewe x \$ 194/ewe = \$12,340/ha	31,800 kg DM/ha / 660 kg DM/ewe x \$ 194/ewe = \$9340/ha	\$3000
		Net extra GM from <i>Maxsyn</i> (less seed cost)	\$2735/ha
		Internal rate of return difference from using <i>Maxsyn</i>	374%

<sup>1</sup>Approximate retail prices October 2024.

<sup>2</sup>Gross margin (GM) = \$218/ewe (Based on income: 1.2 lambs @ \$140/lamb, plus cull ewe income @ \$50, plus 5 kg wool @ \$1.6/kg. Less expenses: freight \$2, animal health \$6, shearing expenses \$5, ram purchase 20% of rams (1:50 service @ \$800) \$4, interest 8% on capital \$15)



# Example: lamb finishing system

	Certified Maxsyn NEA4	Uncertified ryegrass	Difference
Cost	\$350/ha <sup>3</sup> (20 kg/ha at \$17.150)	\$85/ha <sup>3</sup> (20 kg/ha at \$4.30/kg)	\$265/ha
Income			
Lamb production	200 g/day @ 19 lambs/ha <sup>4</sup>	175 g/day @ 15 lambs/ha <sup>4</sup>	
Turn round time	60 days per 'crop' of lambs <sup>5</sup>	69 days per 'crop' of lambs <sup>5</sup>	
Trades per year	5	4.4	
Total lambs	5 trades/year x 3 years = 15 trades x 19 lambs (SR) = 285 lambs/ha	4.4 trades/year x 3 years = 13.2trades x 15 lambs (SR) = 198 lambs/ha	
Total gross margin over 3 years <sup>6</sup>	285 lambs/ha traded x \$32/hd = \$9120	198 lambs/ha traded x \$32/hd = \$6336	\$2784
		Net GM from Maxsyn (less seed cost)	\$2519/ha
		Internal rate of return difference from using Maxsyn	346%

<sup>3</sup> Approximate retail prices October 2024.

<sup>4</sup> Increased lamb growth & stocking rate (SR) with Maxsyn NEA4 due to increased DM yield and shoulder period growth (3.4t DM/ha from NFVT trials), improved nutritive value, later heading (+16 days) and low aftermath heading.

<sup>5</sup> Based on a 300 day lamb finishing system, faster lamb growths on Maxsyn NEA4 allows an extra 36 days/year finishing and higher stocking rate.

<sup>6</sup> Gross margin (GM) for lamb \$32/head (Based on income: 36 kg LW lamb at 46% yield gives a 16.6 kg CCWT @ 9.2/kg CCWT =\$152.70, plus 1.3 kg wool @ \$2/kg =\$2.60. Less expenses: lamb purchase \$116, freight \$1.70, animal health \$1.90, shearing \$3, interest \$1).