



Department of
Primary Industries

Research update

Economics of Afourer netting (and compared to other varieties)

2017 NSW DPI citrus roadshow
Steven Falivene (NSW DPI)

www.dpi.nsw.gov.au

Special thanks



Dean Morris
(Moricom)



Ryan and Tim Arnold
(Pyap produce)



Hanni Byllardt



David Stevens



Andy Hancock



Tyson Milne

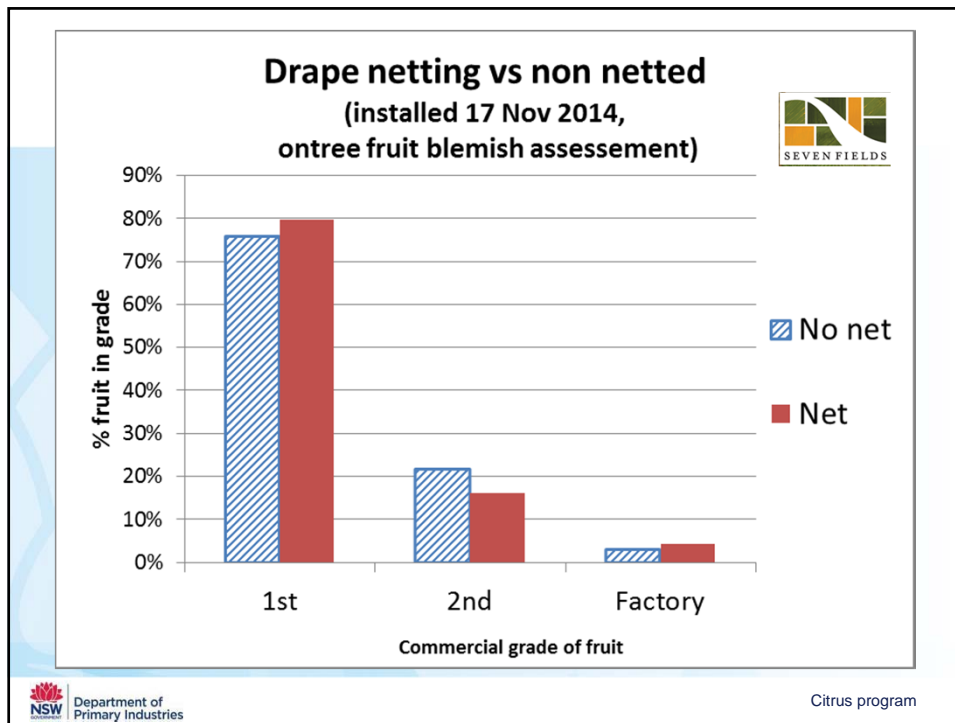


Tom Braybrook



Department of
Primary Industries

Citrus program



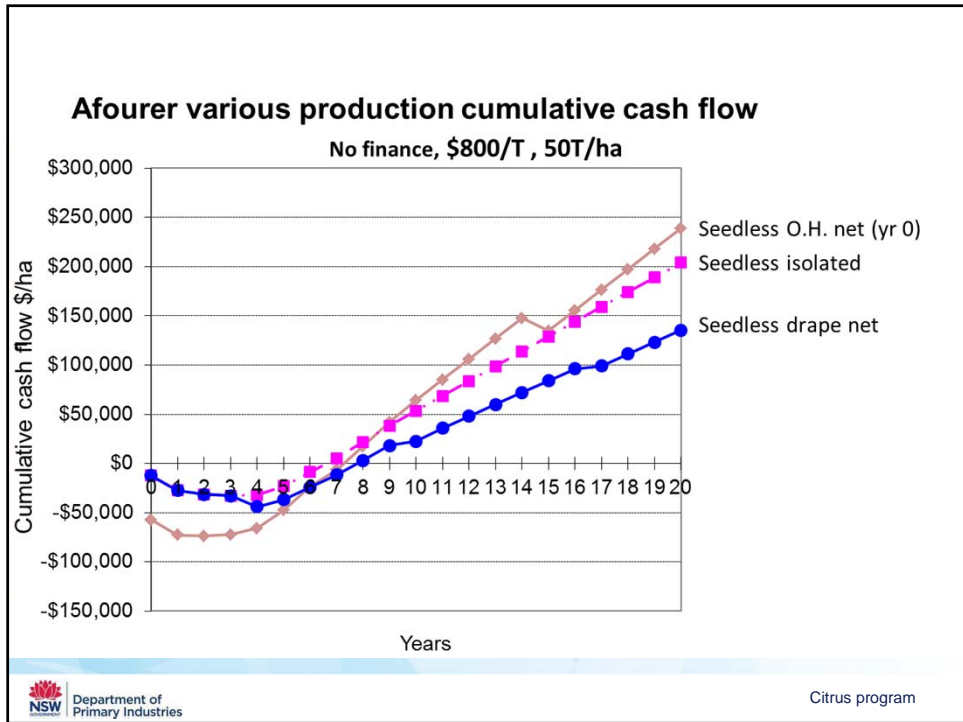
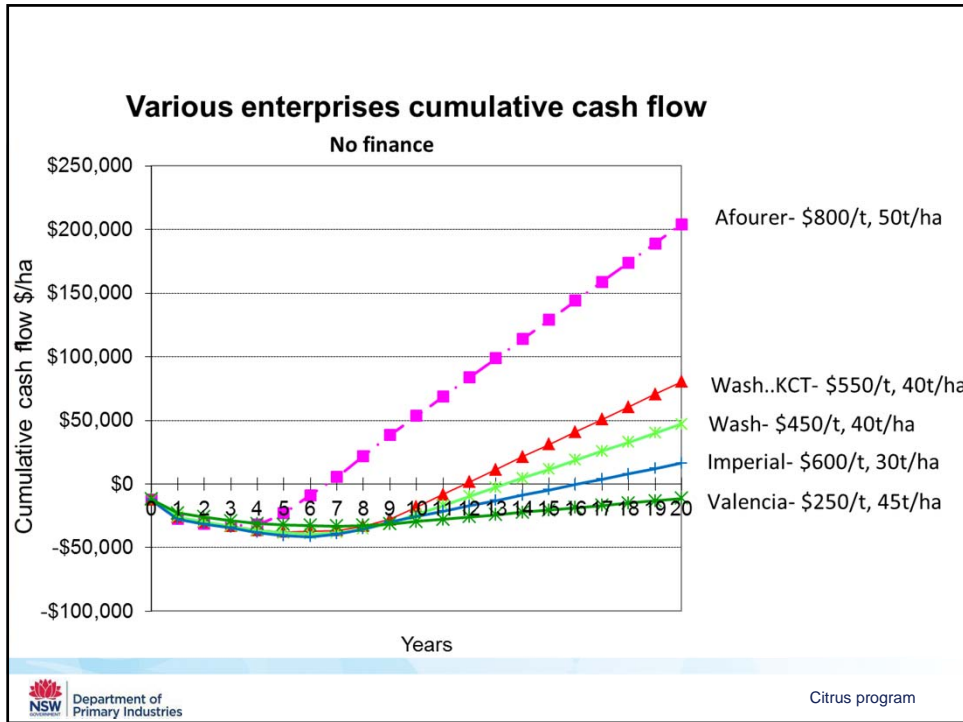
Main assumption

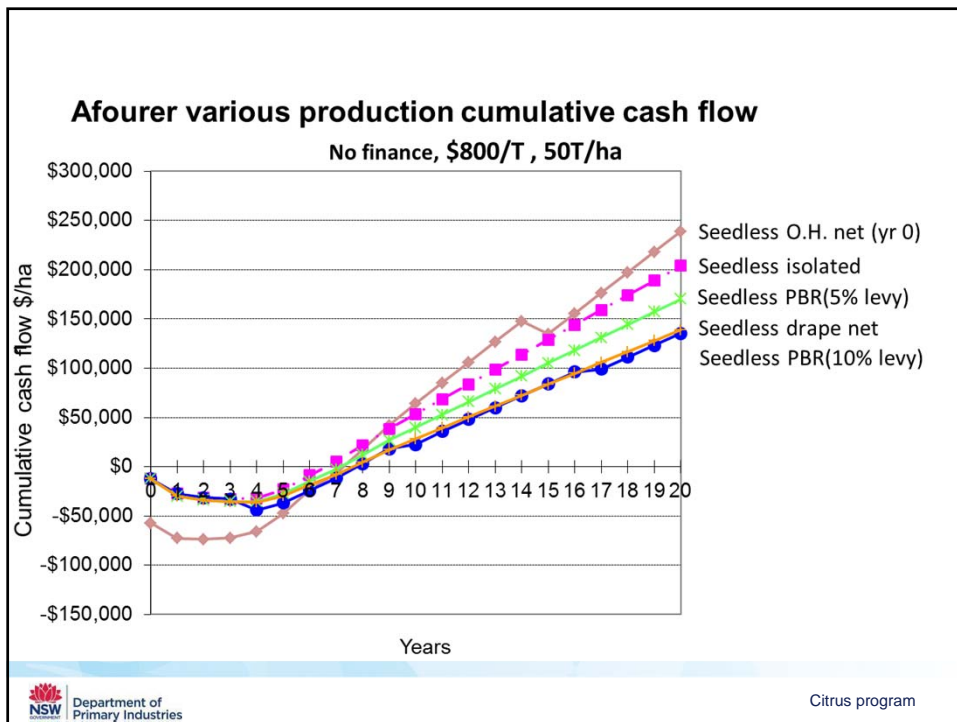
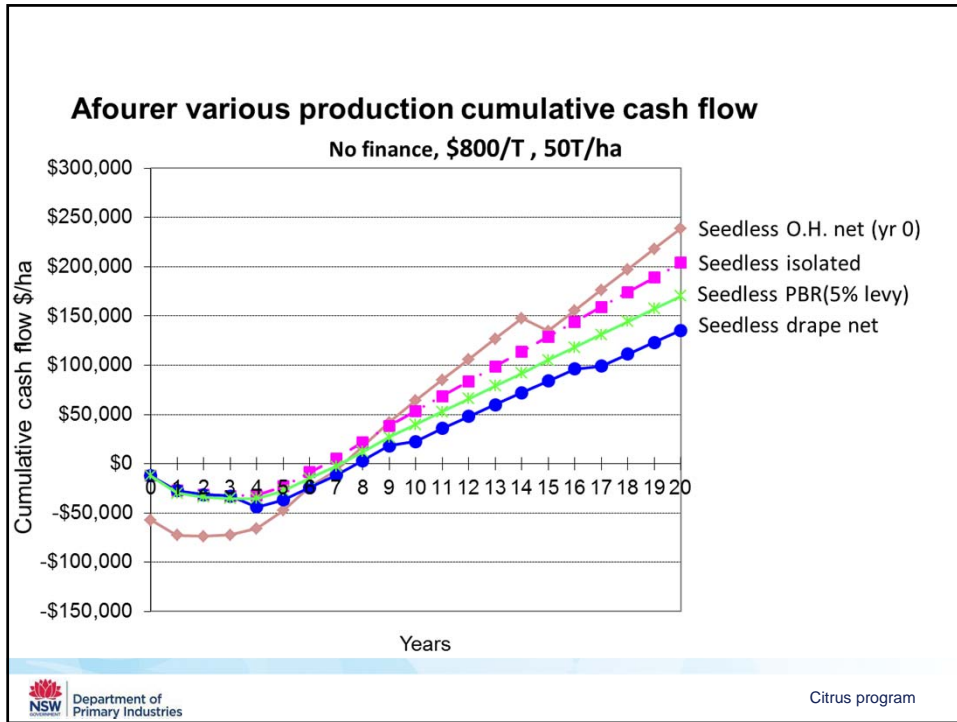
Over head netting

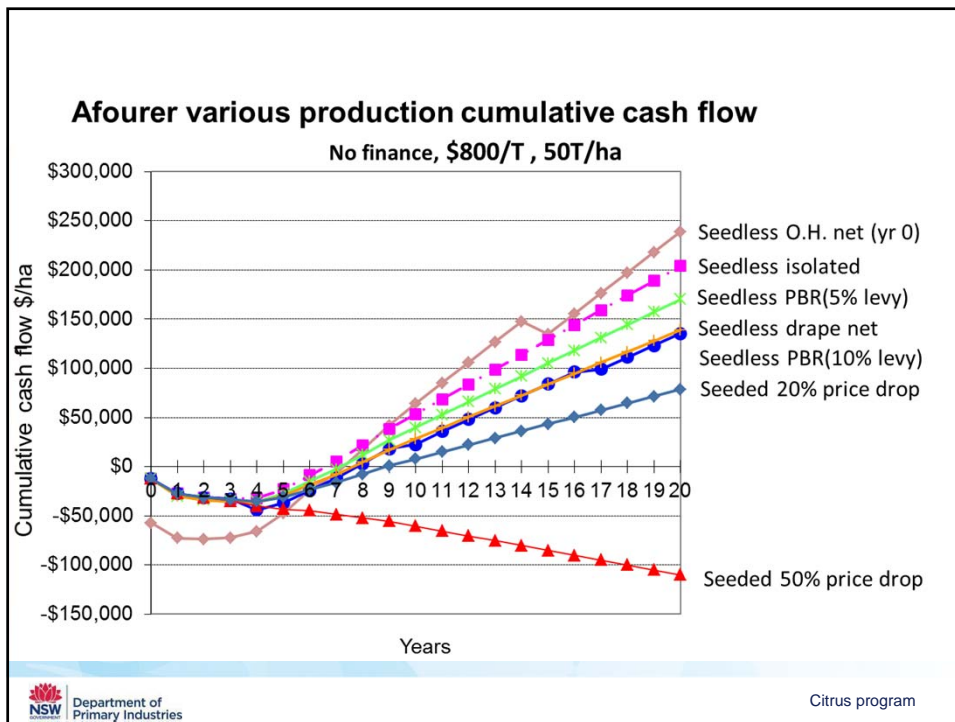
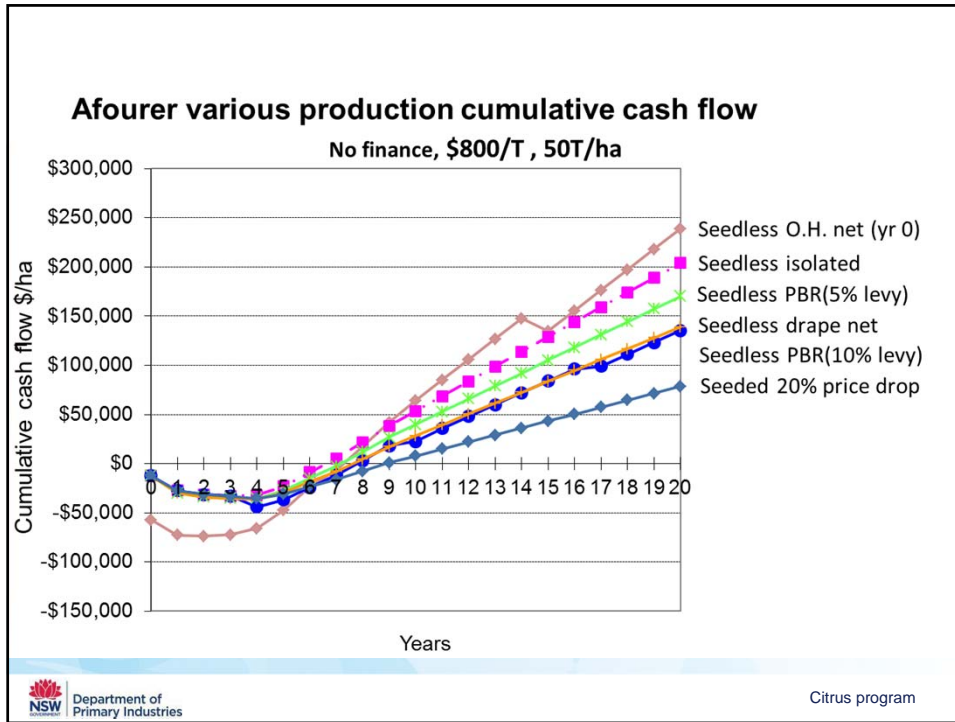
- Cost \$50,000, retention \$7500/ha, reinstall \$33,000
- Net replaced every 12 years
- Faster early growth, 5% less long-term yield to outside
- 20% higher fruit price, more insect control

Drape net

- Cost: net \$9000/ha , applicator \$1400/ha
- Application, removal, repairs and replace every 6 years
- Hedging (5% drop in yield), no price difference

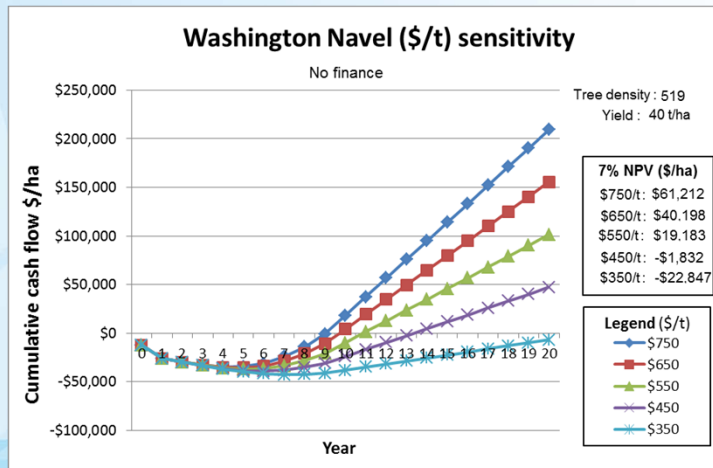






Budget handbook

Extra details and analysis



Do not agree with my assumptions!

- Download the spreadsheet
- Customise to your needs
- Training can be provided

	C	D	E	F	G	H	I	J	K	L	
1		Sunraysia citrus development budget year 4 to 6									
2		Enterprise: Washington Navels						Date: 1/08/16			
3		Description: Sod culture, undertree sprinkler						Tree density: 519 trees/ha			
4		Water price: Sunraysia						Unit size: 1 ha			
5											WB Ver. (Aug-2016)
6		PARTIAL VARIABLE COSTS (excluding irrigation & harvest costs)									
7											
8		Herbicide	Machinery	area	/app						
14		2.00 x Glyphosate 450g/L	Herbicide boom	30%	2.4 L/ha	\$4.50 /L				\$6.5	
15		5.00 x Glyphosate 450g/L	Spot spray 4WB		0.7 L/ha	\$4.50 /L				\$15.8	
16		5.00 x Carfentrazone	used with Glyphosate		0.005 L/ha	\$88.00 /L				\$2.5	
18		0.33 x Haloxyfop	Herbicide boom	30%	0.8 L/ha	\$57.80 /L				\$4.6	
19		1.00 x Paraquat/Diquat	Herbicide boom	30%	3 L/ha	\$9.65 /L				\$8.9	
22		8.00 x Wetter (Hasten)			1.5 L/ha	\$8.25 /L				\$99.0	
25										Total	
26										\$137	
28		5.00 x UAN	Fertigation		25 L/ha	\$0.9 /L				\$106.3	
29		1.00 x Calcium nitrate	Fertigation		20 kg/ha	\$0.8 /kg				\$16.5	
30		1.00 x MAP	-na-		25 kg/ha	\$1.7 /kg				\$43.0	
34		1.00 x Potassium nitrate	-na-		20 kg/ha	\$1.90 /kg				\$38.1	
38		1.00 x Iron EDHHA	Fertigation		5 kg/ha	\$16.40 /kg				\$82.0	
39		Foliar									
40		3.00 x Potassium nitrate	-na-		10 kg/ha	\$1.90 /kg				\$57.1	
41		3.00 x Urea (low bil)	-na-		8.75 kg/ha	\$9.9 /kg				\$27.6	