

Soils results
&
Impacts of destocking

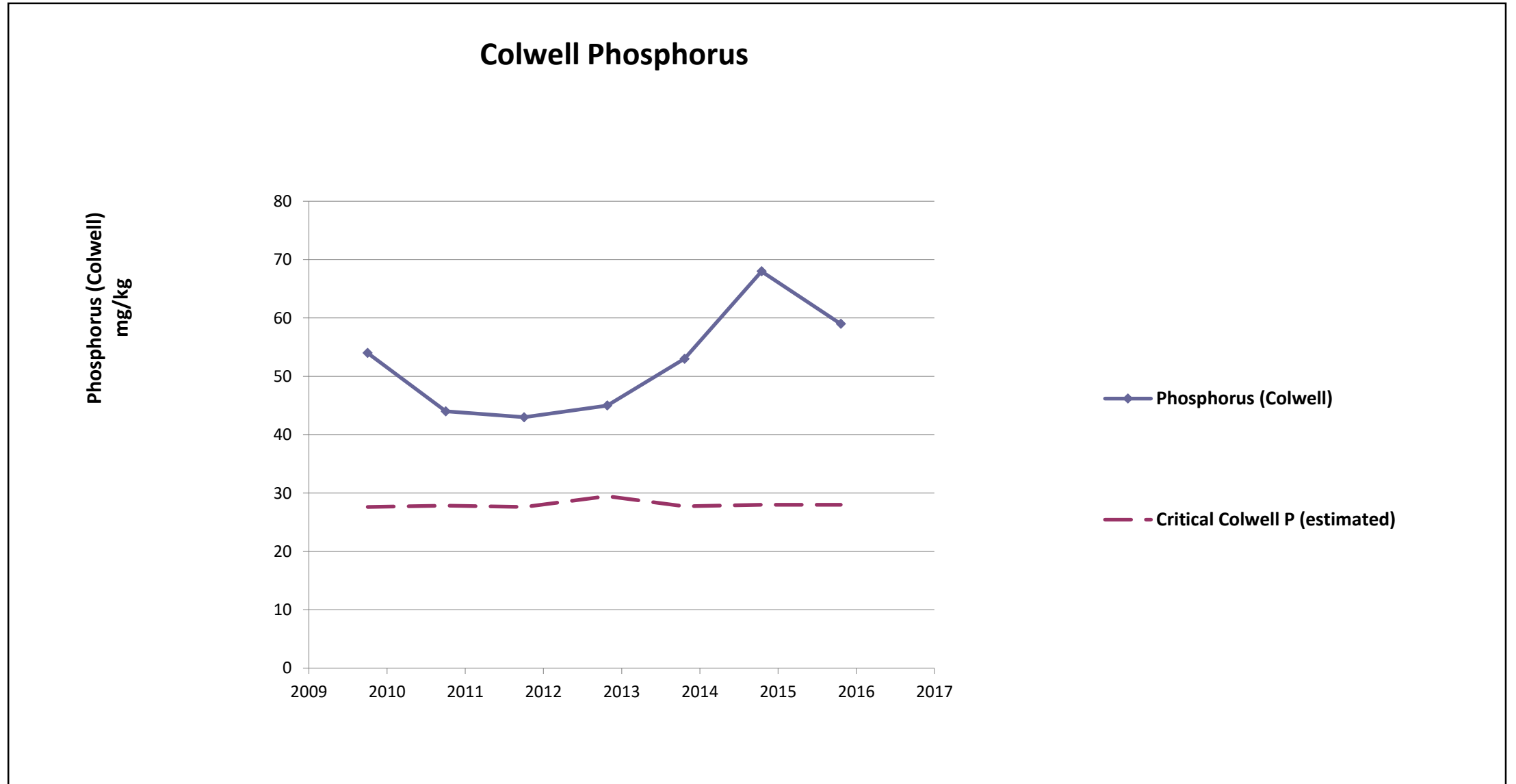
Phil Graham

Graham Advisory

Take home message

- Most of you have enough years of data now to be confident in basing your decision on the trends.

Your data



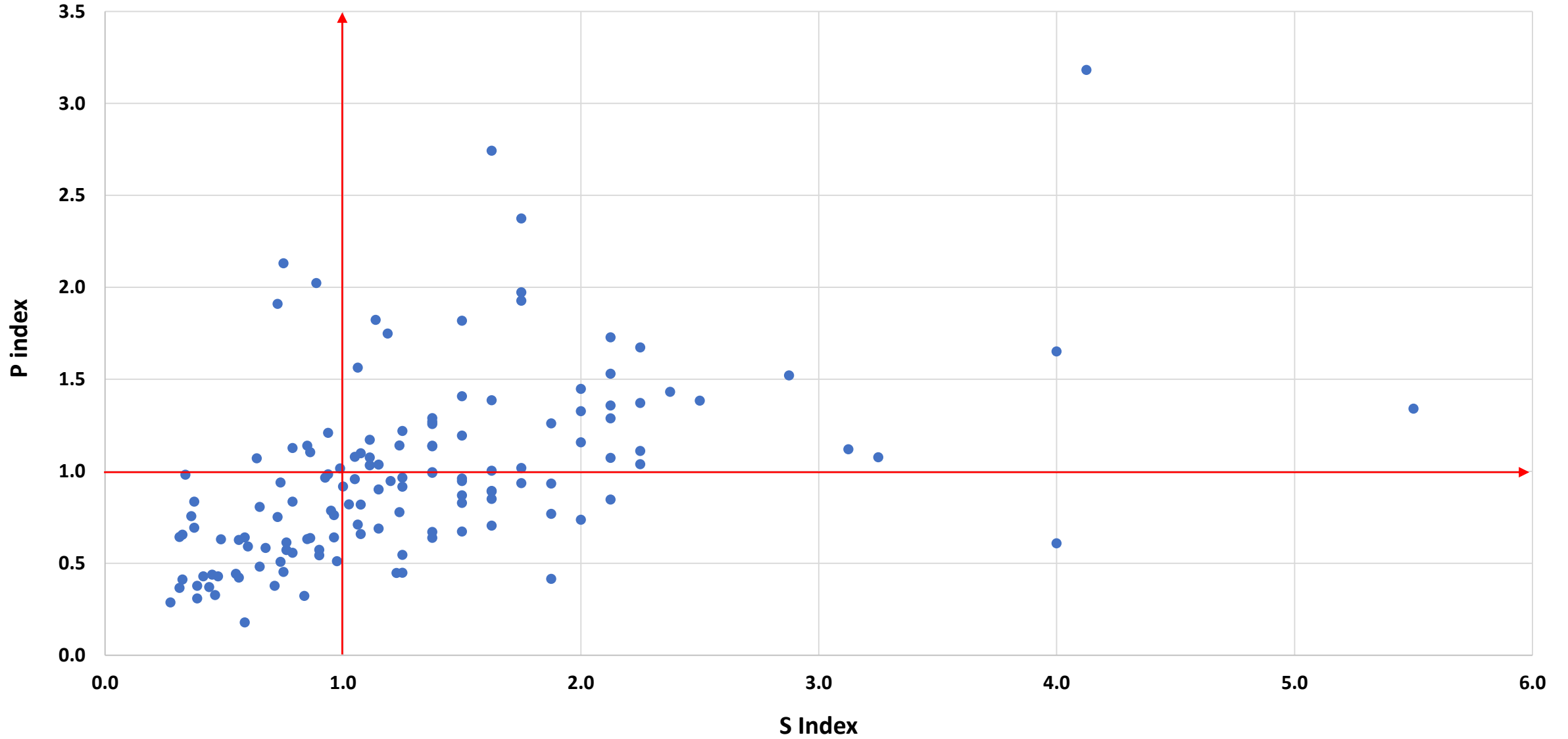
Understanding the indexes

- P index is your current colwell value divided by your critical P value.
- S Index is your current S value divided by 8.
- For both indexes if you are above **1** this nutrient is not limiting pasture production.

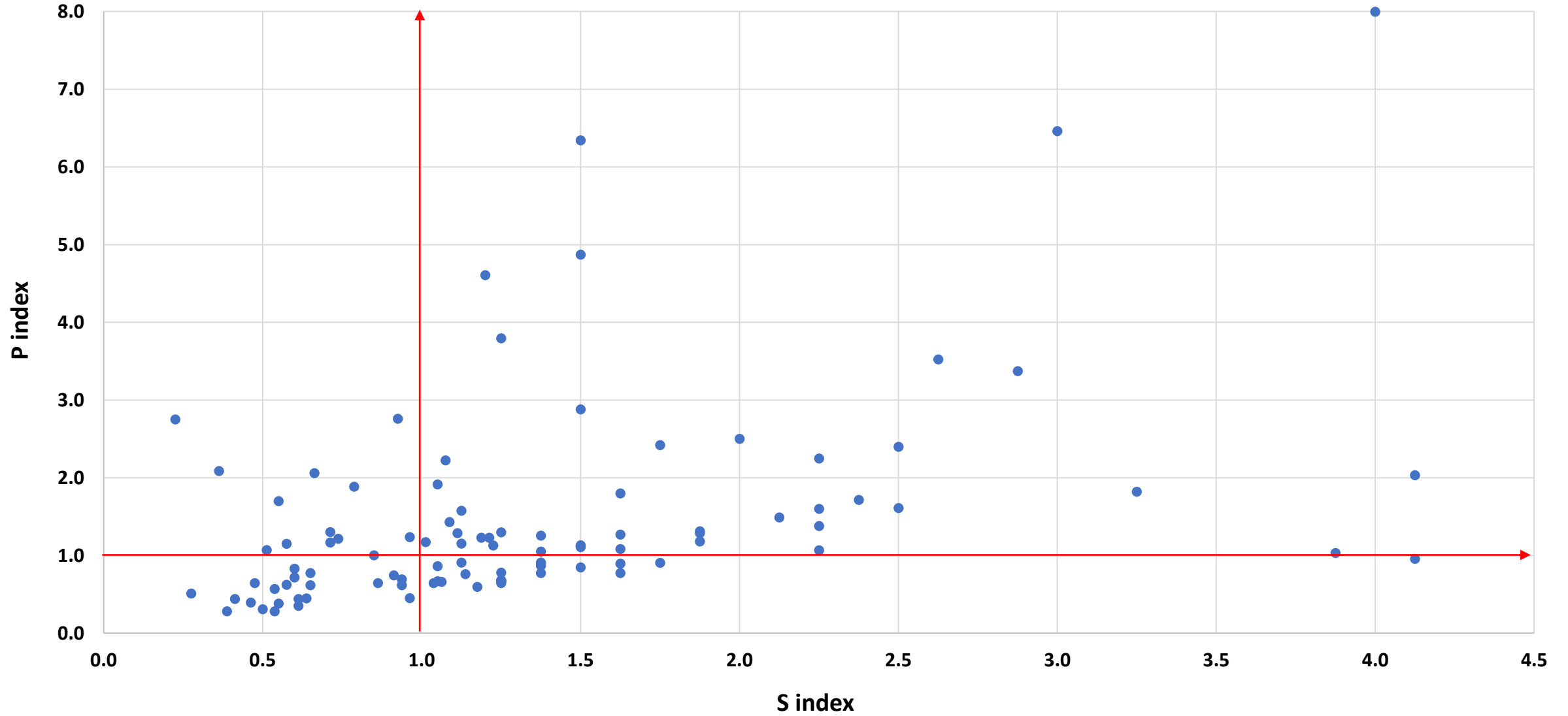
2018 vs 2017

	S index	P index	PBI	S reading	P reading	K reading
2018	1.48	1.34	104	11.9	46.5	348
2017	1.17	1.46	94	9.4	49.3	321

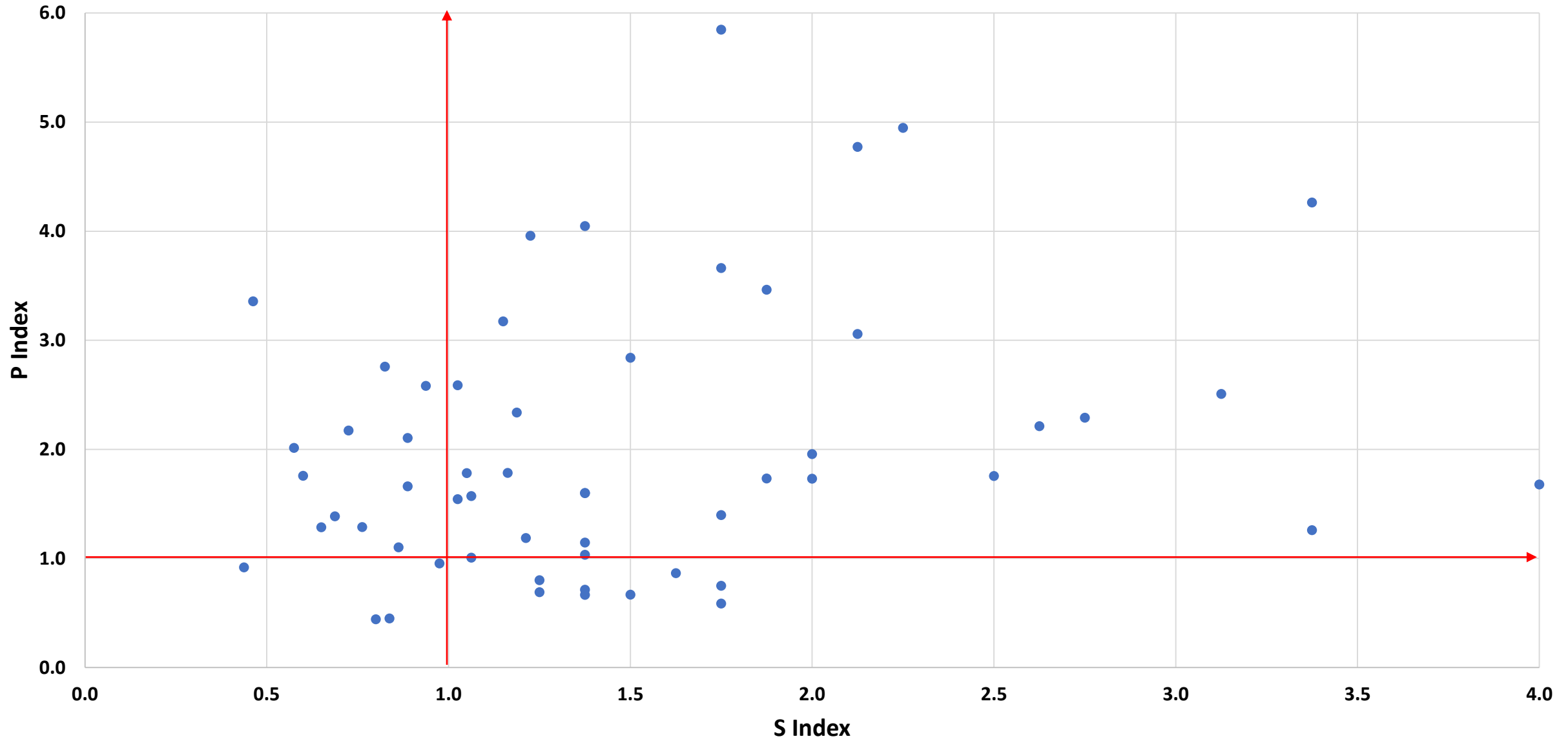
PBI up to 80



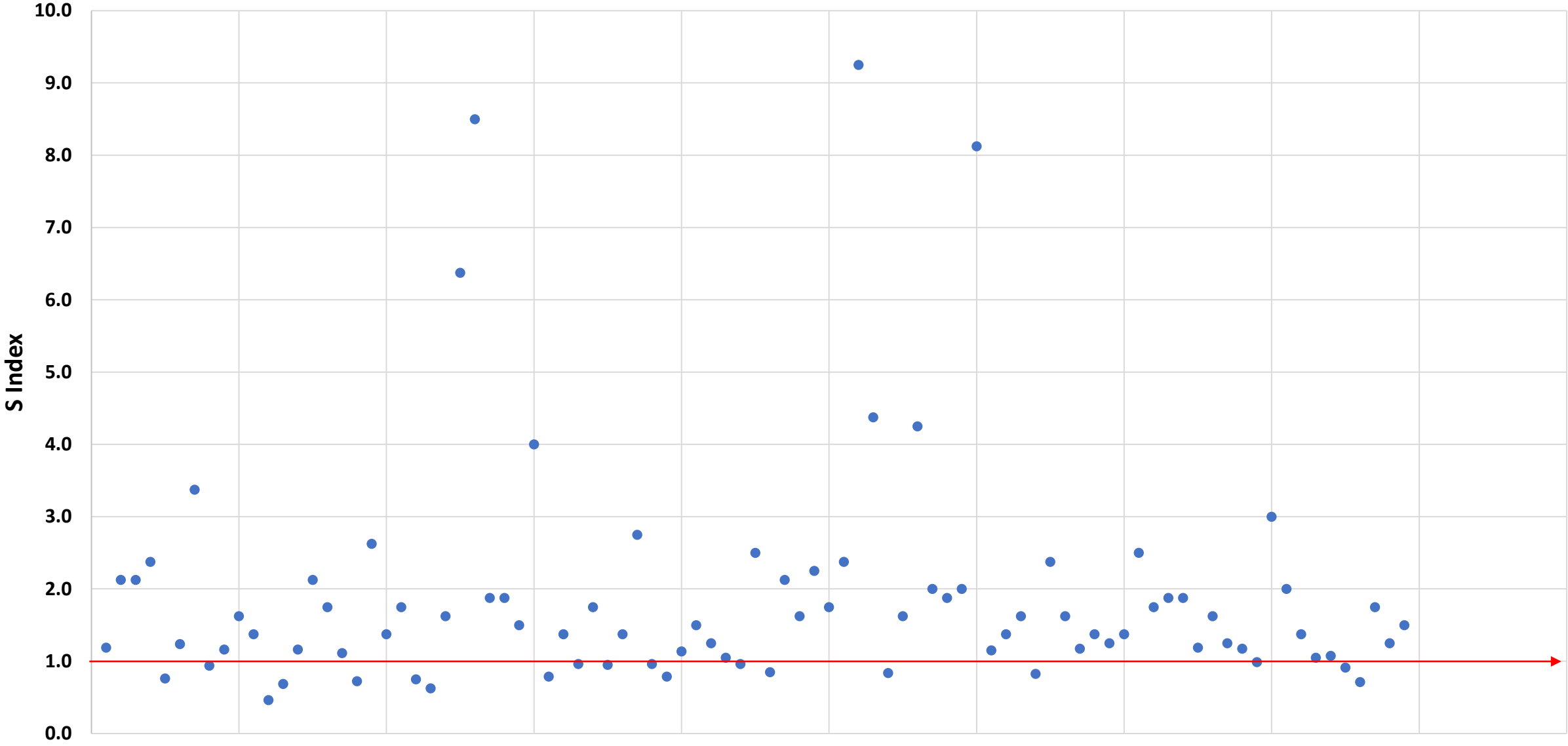
PBI 80 to 150



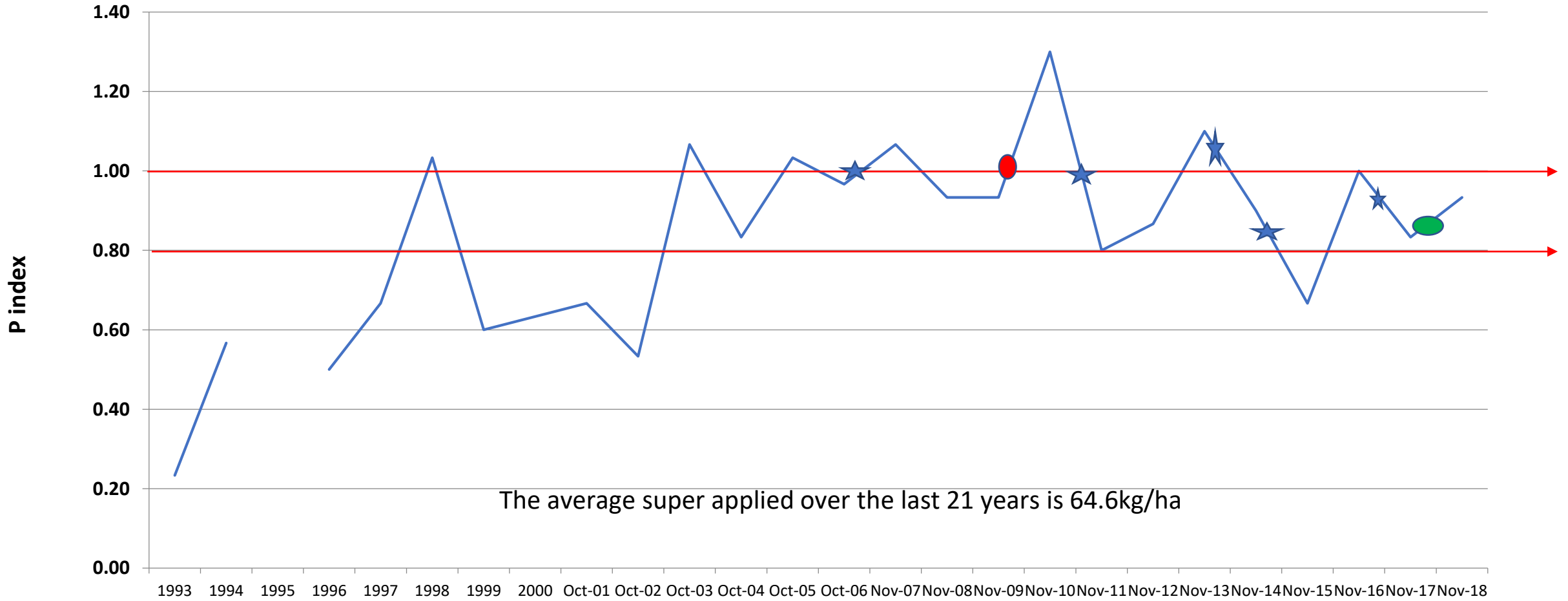
PBI 160 and above



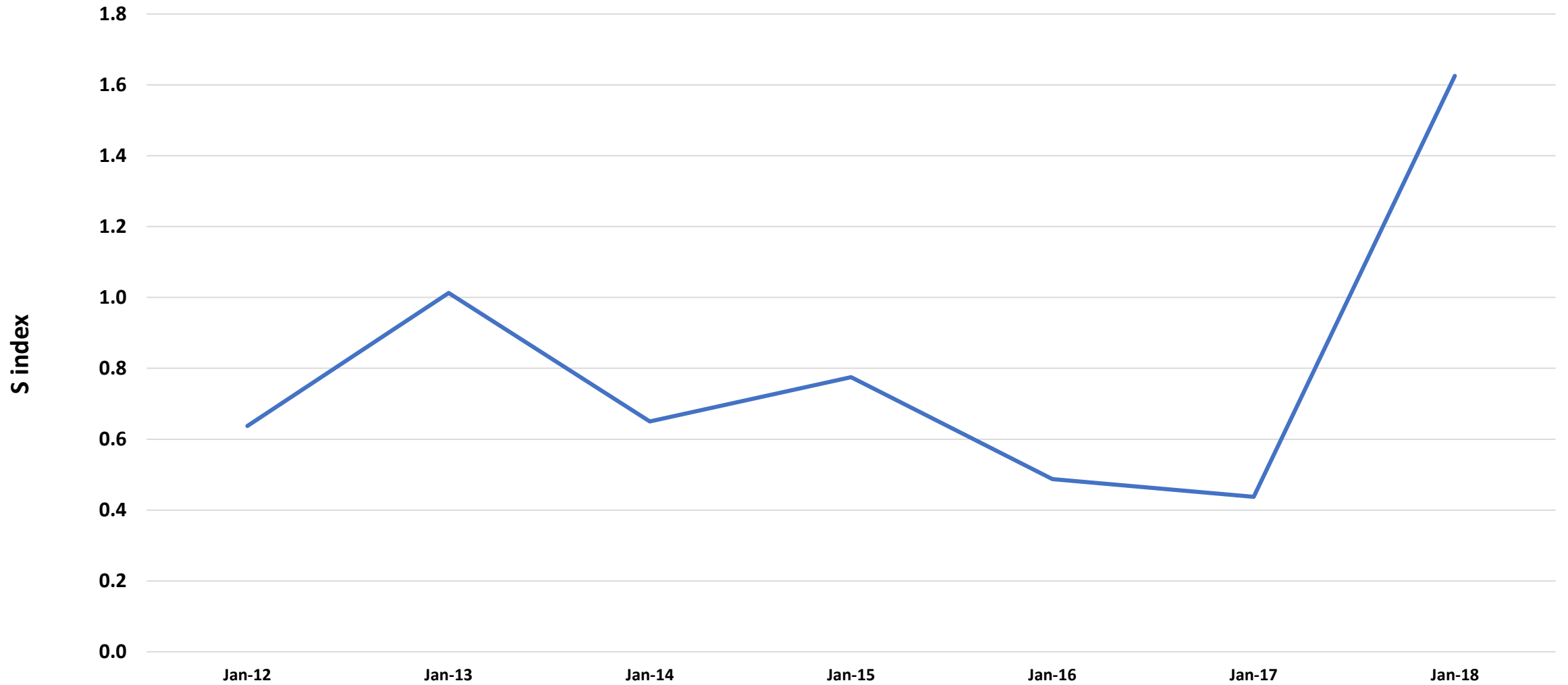
S index for paddocks where no PBI was taken



26 years of managing P at Bookham



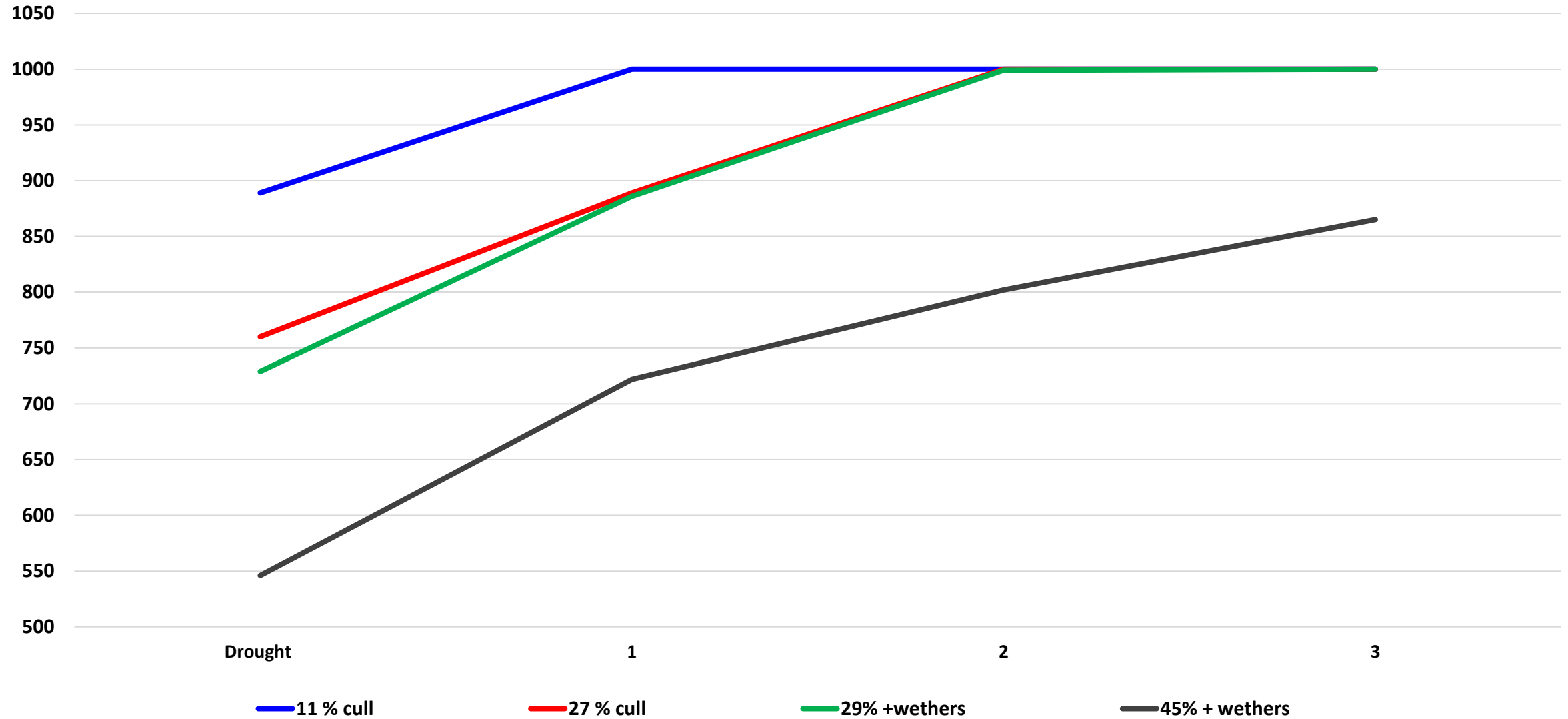
S index at Bookham



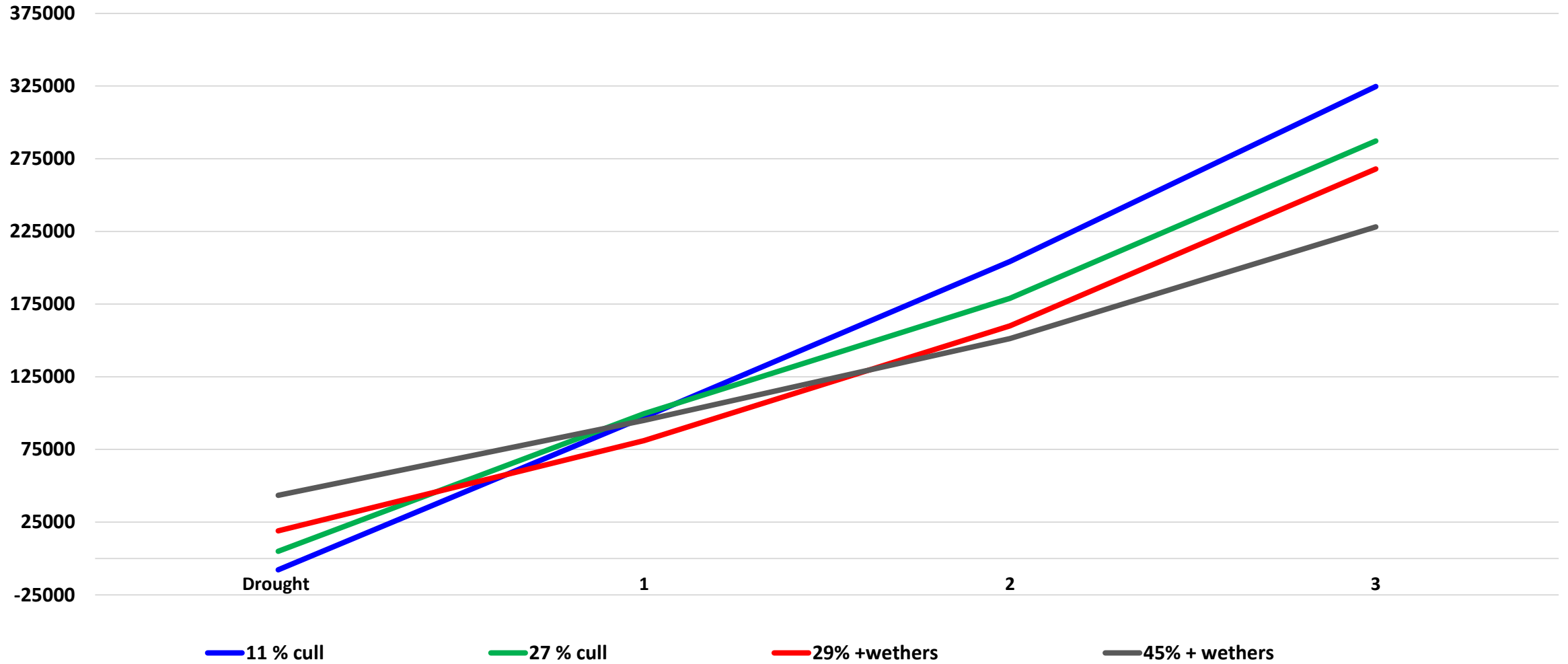
Assumption used in the following work

- Wool price - 2145 for 18 um – 200 c/kg below current price
- Mutton price - 415 c/kg – current price
- Lamb – 711 c/kg – current price
- 4 months full feeding of all stock ie can be locked up.
- Grain price \$500/t, \$550/t for young stock.
- \$30/t cost of feeding out.
- Culled ewes assumed to be light so sale price back by \$15/hd
- \$40000 debt/ 1000 ewes at Dec 2018

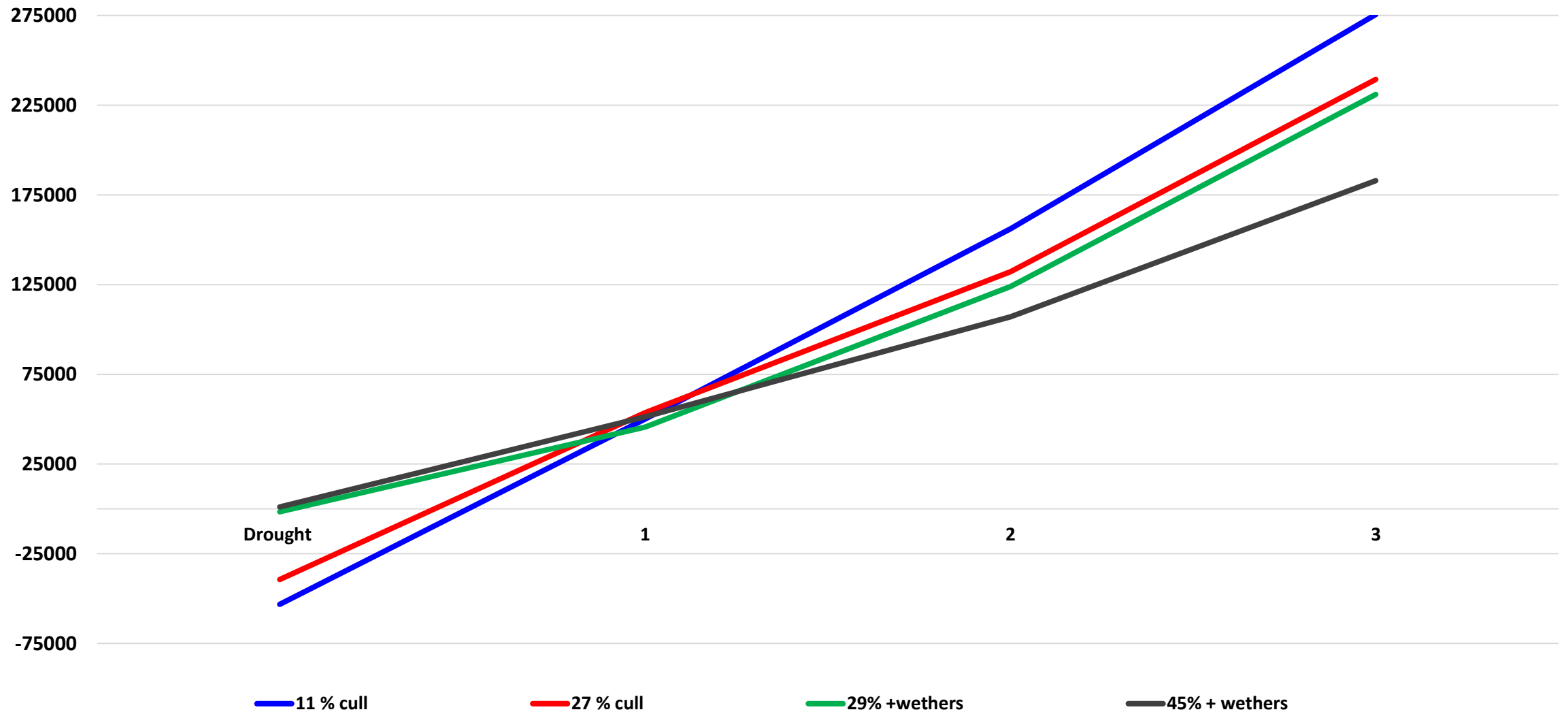
Number of ewes joined each year



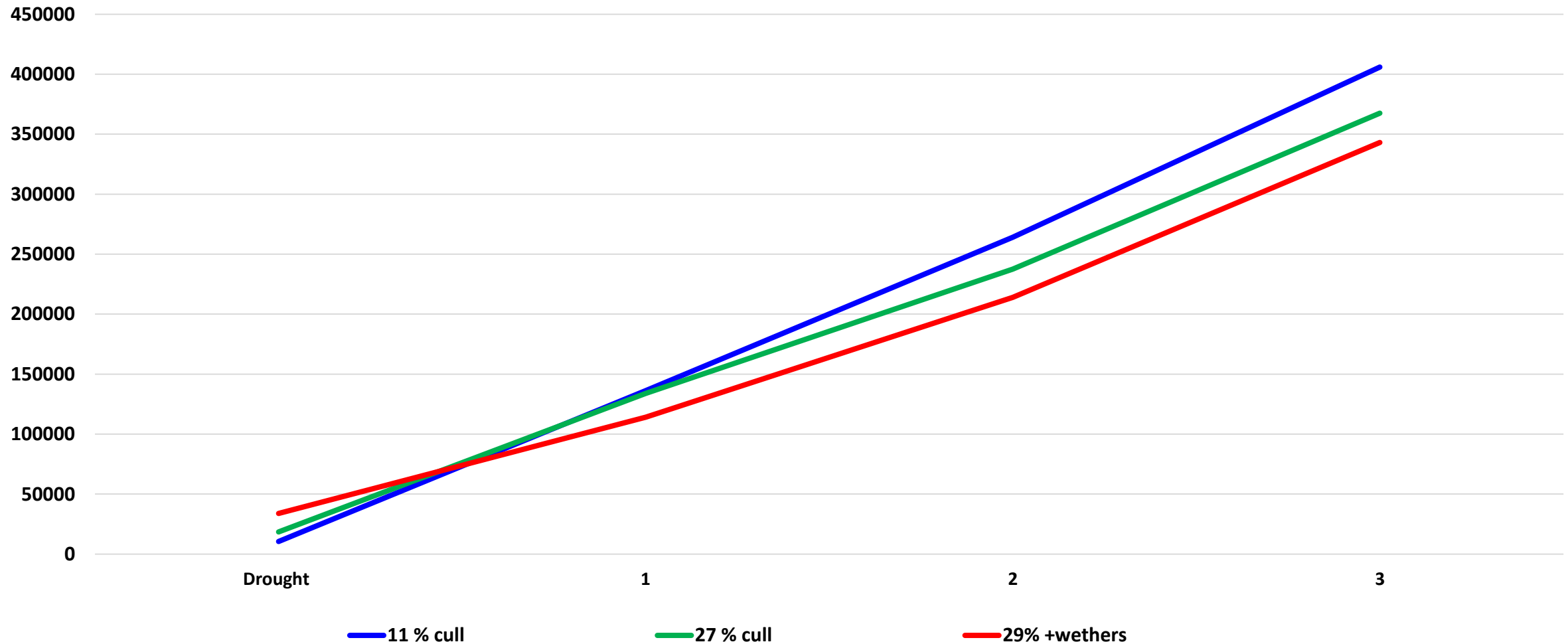
4 culling strategies based on average genetics – cumulative cashflow to 3 years post drought



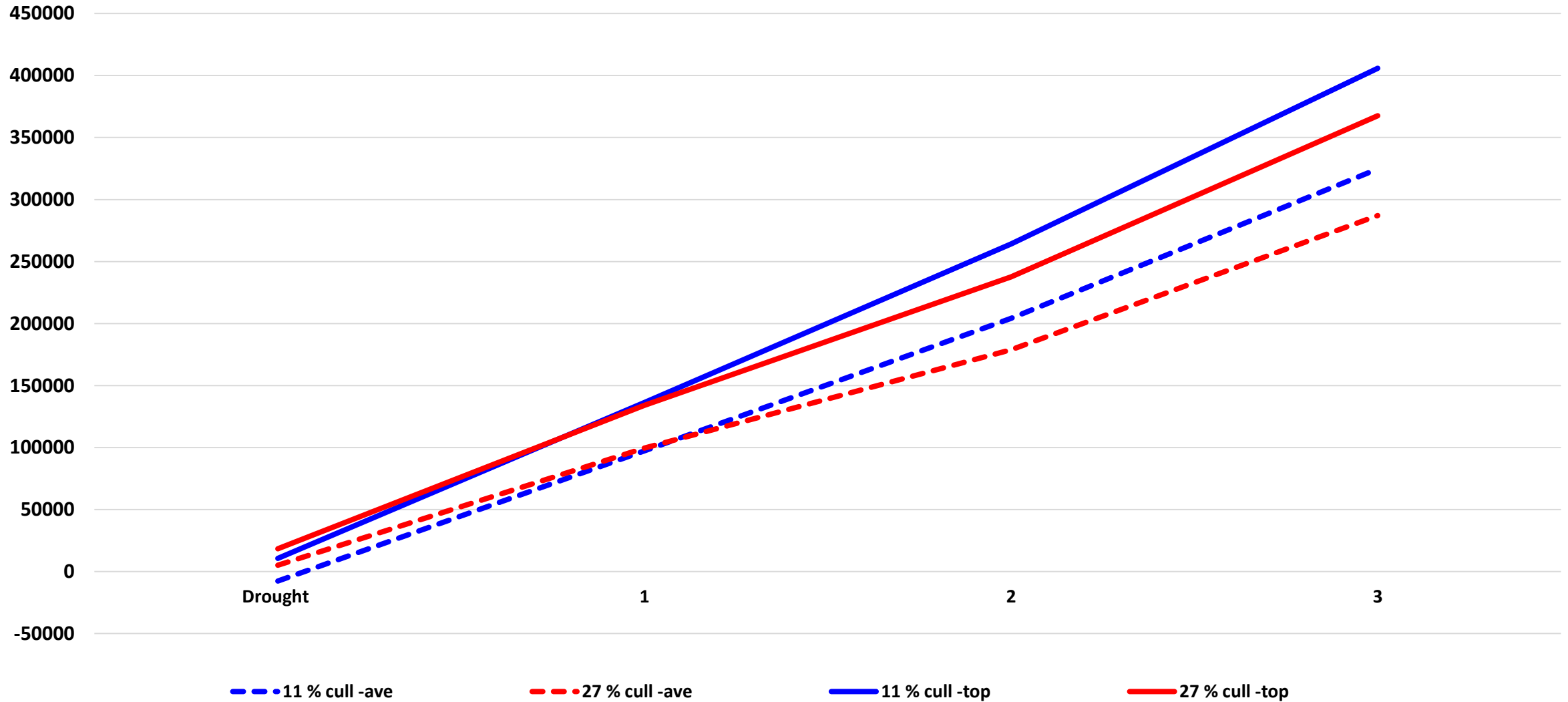
4 culling strategies based on average genetics – cumulative cashflow to 3 years post drought – 6 months feeding



4 culling strategies based on top genetics – cumulative cashflow to 3 years post drought



The value of genetics



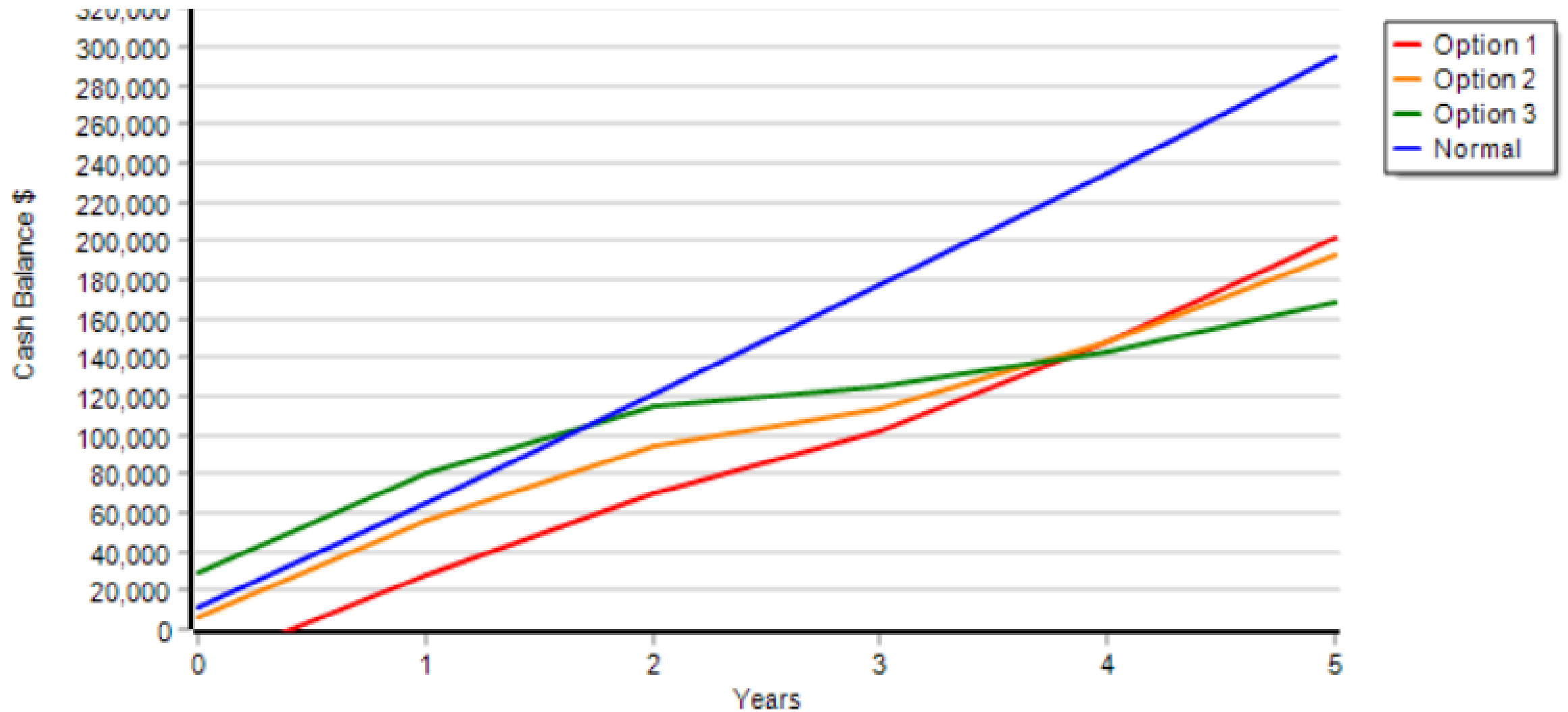
Net benefit of **feeding** vs selling crossbred ewes

		Restocking price (\$/hd)				
		150	170	190	210	230
Current value (\$/hd)	110	-6.70	13.35	33.35	53.35	73.35
	120	-16.70	3.35	23.35	43.35	63.35
	130	-26.70	-6.70	13.35	33.35	53.35
	140	-36.70	-16.70	3.35	23.35	43.35
	150	-46.70	-26.70	-6.70	13.35	33.35
	160	-56.70	-36.70	-16.70	3.35	23.30

Cattle assumptions

- Current prices
- Feed prices \$500/t grain, \$420 canola hay + \$30/t feeding out
- Feeding period 6 months, cows at 50% of needs, calves and steers at 75% of needs
- Profit from trade \$145/hd

Destocking cows with no trading in future years



Destocking cows with trading in future years

