Step 1- Input the following information. (Click Mouse on white box)

Sporting Stags Required	17	
Calving Rate	35.00%	**
Management Area (Ha)	1266	

Drimnin four year deer population model to achieve annual cull of 17sporting stags. 2019 - 2023

This gives you a target population

	Stags	Hinds	Calves	Total	Density
Target Population	120	120	42	282	22.3

Step 2- Input current population

2019 - Spring Deer Count	Stags	Hinds	Calves	Total	Density
Current (Spring) Population	69	147	59	275	21.7

Step 3- Input proposed culls and review likely performance against population targets

Population Model	Stags	Hinds	Calves		
Year 1 Spring Population	69	147	59	Spring Deer Count 2019	
Year 1 Summer Population	99	177	62		
Year 1 Cull - 2019/20	7	50	18		
Year 1 Mortality	2	4	4		
Year 2 Spring Population	90	123	41		
Year 2 Summer Population	110	143	50		
Year 2 Cull - 2020/21	8	21	7	Projected Cull	
Year 2 Mortality	2	3	3		
Year 3 Spring Population	100	119	40		
Year 3 Summer Population	120	139	49		
Year 3 Cull - 2021/22	10	18	6	Projected Cull	
Year 3 Mortality	2	3	3		
Year 4 Spring Population	107	118	40		
Year 4 Summer Population	127	138	48		
Year 4 Cull - 2022/23	10	18	6	Projected Cull	
Year 4 Mortality	3	3	3	**Total**	**Density**
Finish Population	114	117	41	273	21.6
Target Population	120	120	42	282	22.3
% of Target Population	95	98	98	97	

****Calving Rate= Number of calves born for every 100 hinds (1+Years) (Scottish Average 20-40%)**

Assumptions
2% Stag Motality each year
2% Hind Mortality each year
6% Calf Mortality each year
1 to 1 Hind/Stag Calf Ratio
No immigration/emigration

0.2
0.25
0.3
0.35
0.4

	0.2			
	0.3			
	0.4			