



Annex_C_calculations_approved regenerating.xlsx

Tabelle1

Approved Regenerating Calculations						
Photosynthesis						
Average Trend against Region	Trend last 10 years	Change against trend				
-0.03	-0.01	0.02				
Trend must be positive with 1 possible down year						
Soil cover						
Average Trend against Region	Trend last 10 years	Change against trend				
-0.03	-0.01	0.02				
Value must be positive against trend						
Change in Soil vitality						
SOC%	SOC% change as factor (change as factor: 3.3%/3%= 1.1)					
SOct	SOct change (change as factor: 1100t/1000t= 1.1)					
pH	closer to optimum or reasoning why ok (Factor change from category lowest, low, optimum, high, highest in % of					



	pixels - f.e. 1.03)					
P	closer to optimum or reasoning why ok (Factor change from category lowest, low, optimum, high, highest in % of pixels - f.e. 1.03)					
K	closer to optimum or reasoning why ok (Factor change from category lowest, low, optimum, high, highest in % of pixels - f.e. 1.03)					
P:K	ratio better or best (1:2-1:4 as optimal)					
K and P:K ratio might be different per country. F.e. in Brazil they get replaced by CEC and AL3+						
Total	Sum of all factors divided by number of factors					
Value must be positive against trend						
Yield						
Product	t of product	moisture%	MJ	N	P	K



Wheat or Milk or Animal	0.97		x	y	z	a
MJ	change as factor 0.68 to previous year or if available 3 years average					
N	change as factor 0.68 to previous year or if available 3 years average					
P	change as factor 0.68 to previous year or if available 3 years average					
K	change as factor 0.68 to previous year or if available 3 years average					
Total	Sum of all factors divided by number of factors					
Inputs						
Fuel	l of product	change as factor 0.68 to previous year or if available 3 years average				
Energy	KwH	change as factor 0.68 to previous year or if available 3 years average				
Nutrients	kg N,P,K	change as factor 0.68 to previous year or if available 3 years average				
Nutrient Efficiency	%	change as factor 0.68 to previous year or				



		if available 3 years average				
Water	m3	change as factor 0.68 to previous year or if available 3 years average				
Crop Protection	€	change as factor 0.68 to previous year or if available 3 years average				
Animals	LSU/ha	Optimum =1-1,5, gradual change from 0-1 and 1,5-2,5	Min 0 and max 2.5			
Nutrient Efficiency	Change factor	change as factor	Changefactor average for MJ, N, P, K divided by change factor N, P, K of current vs. Previous year or if available against 3 years average			
Total	Sum of all factors divided by number of factors					
Change in Yield factor / Efficiency factor should be 1 or higher						
Value must be positive against trend						