



Supplement of

A national extent map of cropland and grassland for Switzerland based on Sentinel-2 data

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	other	cropland	grassland	total	UA	N
other	58.9	0.3	4.1	63.3	93.1	2615430
cropland	0.3	6.8	0.6	7.7	87.8	318870
grassland	7.2	2.3	19.4	28.9	67.1	1194198
total	66.5	9.4	24.1	100		
PA	88.7	72.1	80.5			
N	2744726	388507	995265			
OA	85.1					
OA CI 95% lower	85.1					
OA CI 95% upper	85.2					

Tab. S1: Accuracy assessment (confusion matrix) in % of the crop grass assessments based on the regular sampling of The Swiss Land Use Statistics. The *other* class represents all the samples allocated outside of the crop and grass land use class as assessed by the Swiss Land Use Statistics. UA- user accuracy, PA- producer accuracy, N- number of samples, CI-confidence interval

	no_cropland	cropland	total	UA	N
no_cropland	89.6	2.6	92.3	97.2	3809628
cropland	0.9	6.8	7.7	87.8	318870
total	90.6	9.4	100		
total SE	0.0	0			
PA	99.0	72.1			
N	37399910	388507			
OA	96.4				
OA CI 95% lower	96.4				
OA CI 95% upper	96.4				

Tab. S2: Accuracy assessment (confusion matrix) in % of the cropland assessment based on the regular sampling of The Swiss Land Use Statistics. The *no_cropland* class represents all the samples allocated outside of the cropland areas as assessed by the Swiss Land Use Statistics. UA- user accuracy, PA- producer accuracy, N- number of samples, CI-confidence interval

	no_grassland	grasland	total	UA	N
no_grassland	66.4	4.7	71.1	93.4	2934300
grasland	9.5	19.4	28.9	67.1	1194198
<i>total</i>	75.9	24.1	100		
<i>total SE</i>	0.0	0			
<i>PA</i>	87.4	80.5			
<i>N</i>	3133233	995265			
<i>OA</i>	85.8				
<i>OA CI 95% lower</i>	85.7				
<i>OA CI 95% upper</i>	85.8				

Tab. S3: Accuracy assessment (confusion matrix) in % of the grassland assessments based on the regular sampling of The Swiss Land Use Statistics. The *no_grassland* class represents all the samples allocated outside of the cropland areas as assessed by the Swiss Land Use Statistics. UA- user accuracy, PA- producer accuracy, N- number of samples, CI- confidence interval