

Table S6. Effects of drought and land-use factors on forest and shrubland rates of expansion. Effects of drought frequency (DRfreq), drought intensity (DRint) and land-use (LU) on the rates of forest and shrubland expansion (RFE and RSE, respectively) were assed using Analysis of Variance (ANOVAs) run for three different time frames (0-49 years, 50-149 years and 150-200 years). Forest models are models F1, F2 and F3 and shrubland models are S1, S2 and S3. Interactions between factors are denoted with a “:”, and significant main effects or interactions (F values for which $P < 0.05$) are shown in bold. ‘Df’, ‘sum sq.’ and ‘mean sq.’ stand for degrees of freedom, sum of squares and mean squares, respectively. Factors are order by decreasing F value. See Table S5 for model formulas.

			Df	Sum Sq	Mean Sq	F value	
Years 0-49	Model F1	DRint	3	25.62	8.54	48.38	
		DRfreq	4	4.03	1.01	5.71	
		DRint:DRfreq	8	5.39	0.67	3.82	
		Residuals	80	14.12	0.18		
	Model S1	DRfreq	4	3.66	0.91	15.12	
		DRint	3	0.99	0.33	5.46	
		Residuals	88	5.32	0.06		
	Years 50-149	Model F2	DRint	3	3.07	1.02	22.67
			LU	1	0.72	0.72	15.94
DRfreq			4	1.04	0.26	5.78	
LU:DRint			3	0.62	0.21	4.57	
LU:DRfreq			4	0.81	0.20	4.48	
DRint:DRfreq			8	0.81	0.10	2.25	
Residuals			72	3.24	0.05		
Model S2		DRint	3	0.57	0.19	22.05	
		DRfreq	4	0.73	0.18	21.40	
	LU	1	0.03	0.03	4.10		
	Residuals	87	0.74	0.01			
Years 150-200	Model F3	LU	1	4.24	4.24	4.14	
		Residuals	94	96.22	1.02		

Model S3	LU	1	10.02	10.02	130.74
	DRint	3	6.02	2.01	26.19
	DRfreq	4	2.36	0.59	7.68
	DRint:DRfreq	8	1.12	0.14	1.83
	Residuals	79	6.06	0.08	