

魏瑶, 马志远, 周佳颖, 张振华 (2022). 模拟增温改变青藏高原植物繁殖物候及植株高度. 植物生态学报, 46, 995-1004. DOI: 10.17521/cjpe.2021.0450

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附录II 增温(W)、年份(Y)及其交互作用对不同高寒植物返青时间的影响

Supplement II Effects of warming (W), year (Y) and their interaction on leaf out time of different alpine plants

物种 Species			W		Y		W × Y	
	numDF	denDF	F	p	F	P	F	p
矮生嵩草 <i>Kh</i>	–	–	–	–	–	–	–	–
高山豆 <i>Th</i>	1	15	19.174	<0.001	29.071	<0.001	0.615	0.445
花苜蓿 <i>Mr</i>	1	15	29.813	<0.001	55.112	<0.001	7.128	0.018
甘肃棘豆 <i>Ok</i>	1	15	0.008	0.931	2.790	0.116	2.504	0.134
金露梅 <i>Pf</i>	1	15	0.200	0.653	1 313.900	<0.001	3.400	0.086
麻花苣 <i>Gs</i>	1	15	5.186	0.038	50.997	<0.001	0.259	0.619
美丽风毛菊 <i>Sp</i>	1	15	0.756	0.398	27.219	<0.001	1.302	0.272
垂穗披碱草 <i>En</i>	–	–	–	–	–	–	–	–
红棕囊草 <i>Cp</i>	1	15	0.400	0.545	1 831.200	<0.001	0.400	0.545
线叶龙胆 <i>Gf</i>	–	–	–	–	–	–	–	–
线叶嵩草 <i>Kc</i>	1	15	0.489	0.495	9.608	0.007	1.176	0.295
异针茅 <i>Sa</i>	1	15	1.040	0.324	1.720	0.209	0.885	0.362
草地早熟禾 <i>Pp</i>	1	15	1.000	0.333	3 721.000	<0.001	1.000	0.333
珠芽蓼 <i>Pv</i>	1	15	4.212	0.058	47.004	<0.001	1.390	0.257
藏异燕麦 <i>Ht</i>	–	–	–	–	–	–	–	–

denDF, 分母自由度; numDF, 分子自由度。Cp, 红棕囊草; En, 垂穗披碱草; Gf, 线叶龙胆; Gs, 麻花苣; Ht, 藏异燕麦; Kc, 线叶嵩草; Kh, 矮生嵩草; Mr, 花苜蓿; Ok, 甘肃棘豆; Pp, 草地早熟禾; Pf, 金露梅; Pv, 珠芽蓼; Sa, 异针茅; Sp, 美丽风毛菊; Th, 高山豆。加粗数字表示效应显著。

denDF, denominator degree of freedom; numDF, numerator degree of freedom. Cp, *Carex przewalskii*; En, *Elymus nutans*; Gf, *Gentiana lawrencei* var. *farreri*; Gs, *Gentiana straminea*; Ht, *Helictotrichon tibeticum*; Kc, *Kobresia capillifolia*; Kh, *Kobresia humilis*; Mr, *Medicago ruthenica*; Ok, *Oxytropis kansuensis*; Pp, *Poa pratensis*; Pf, *Potentilla fruticosa*; Pv, *Polygonum viviparum*; Sa, *Stipa aliena*; Sp, *Saussurea pulchra*; Th, *Tibetia himalaica*. Bold numbers indicate effect significantly.