

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

Wei Y, Ma ZY, Zhou JY, Zhang ZH (2022). Experimental warming changed reproductive phenology and height of alpine plants on the Qingzang Plateau. *Chinese Journal of Plant Ecology*, 46, 995-1004. DOI: 10.17521/cjpe.2021.0450

<https://www.plant-ecology.com/CN/10.17521/cjpe.2021.0450>

附录IV 增温(W)、年份(Y)及其交互作用对不同高寒植物结实时间的影响

Table S4 Effects of warming (W), year (Y) and their interaction on fruit 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>	1	13	1.109	0.311	0.172	0.686	0.028	0.869
高山豆 <i>Th</i>	1	13	4.050	0.065	275.590	<0.001	3.450	0.086
花苜蓿 <i>Mr</i>	1	15	2.555	0.131	160.222	<0.001	0.627	0.441
甘肃棘豆 <i>Ok</i>	1	14	9.536	0.008	34.110	<0.001	1.022	0.329
金露梅 <i>Pf</i>	1	12	0.207	0.657	17.304	0.001	0.042	0.841
麻花苳 <i>Gs</i>	—	—	—	—	—	—	—	—
美丽风毛菊 <i>Sp</i>	1	6	3.584	0.107	4.941	0.068	0.921	0.374
垂穗披碱草 <i>En</i>	1	15	9.620	0.007	91.220	<0.001	0.380	0.545
红棕囊草 <i>Cp</i>	—	—	—	—	—	—	—	—
线叶龙胆 <i>Gf</i>	1	—	—	—	—	—	—	—
线叶嵩草 <i>Kc</i>	1	10	0.256	0.624	14.763	0.003	2.884	0.120
异针茅 <i>Sa</i>	1	10	0.027	0.872	59.527	<0.001	3.936	0.075
草地早熟禾 <i>Pp</i>	1	15	2.100	0.164	681.500	<0.001	0	0.945
珠芽蓼 <i>Pv</i>	1	11	0.244	0.631	8.053	0.016	0.359	0.561
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, 麻花苳; 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.