Table 1 Suppl. The mean temperature and the sum of precipitation in months (from September to June) in 2015/16 and 2017/18.

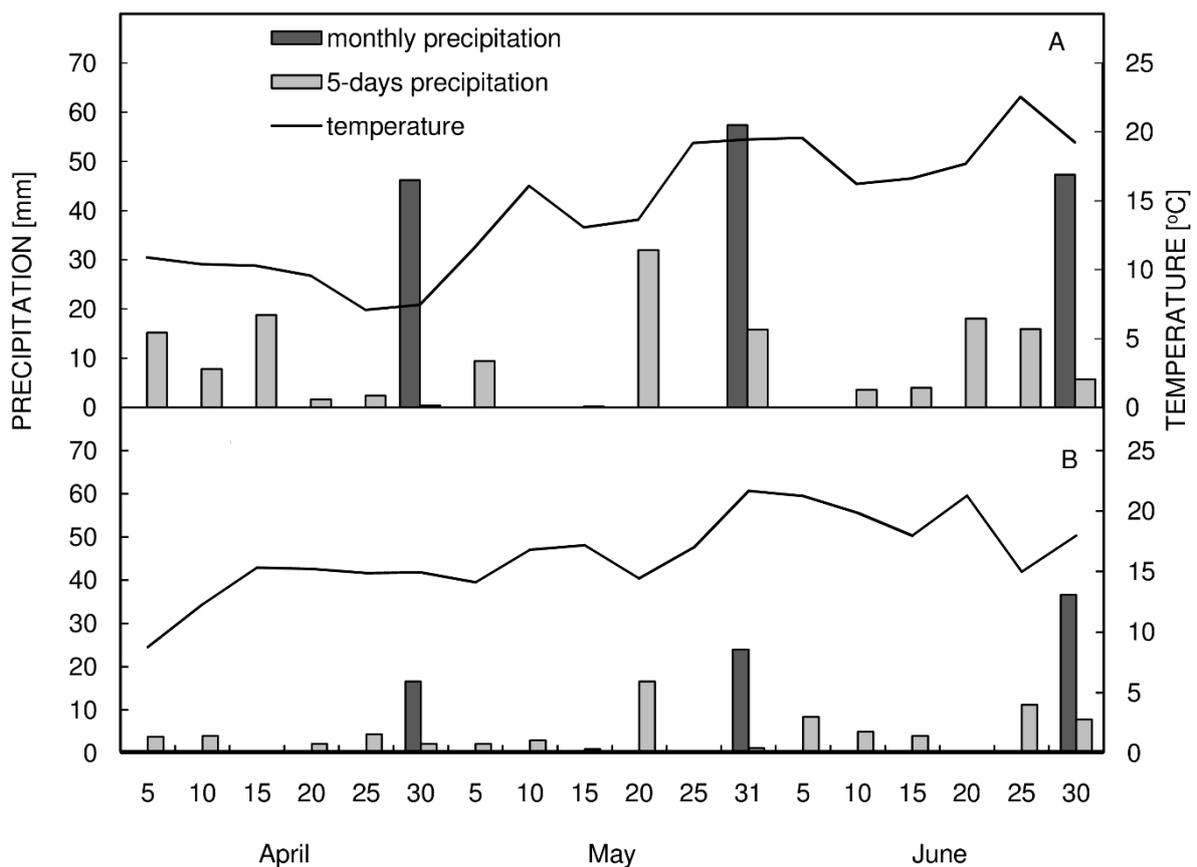| Year	Month										
	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	Jun.	
	Temperature [°C]										Mean
2015/16	15.2	8.6	6.7	6.2	-1.0	4.1	4.4	9.3	15.5	18.6	8.8
2017/18	13.8	11.1	5.8	3.1	2.5	-2.0	1.3	13.6	17.0	18.9	8.5
2001 - 2015	14.4	9.5	5.0	0.9	0.6	0.1	4.0	9.7	14.0	17.1	7.5
	Precipitation [mm]										Sum
2015/16	29.8	20.0	47.0	34.8	42.8	45.4	64.2	46.2	57.4	79.2	466.8
2017/18	53.4	67.8	33.0	30.2	40.2	5.4	32.5	16.6	24.0	36.6	339.7
2001 - 2015	46.3	31.7	32.6	26.8	35.0	23.5	36.1	25.6	56.8	53.8	368.2

Fig. 1 Suppl. The mean daily temperature [°C] and the sum of precipitation [mm] in 5-d periods from April to June in 2016 (*A*) and 2018 (*B*).
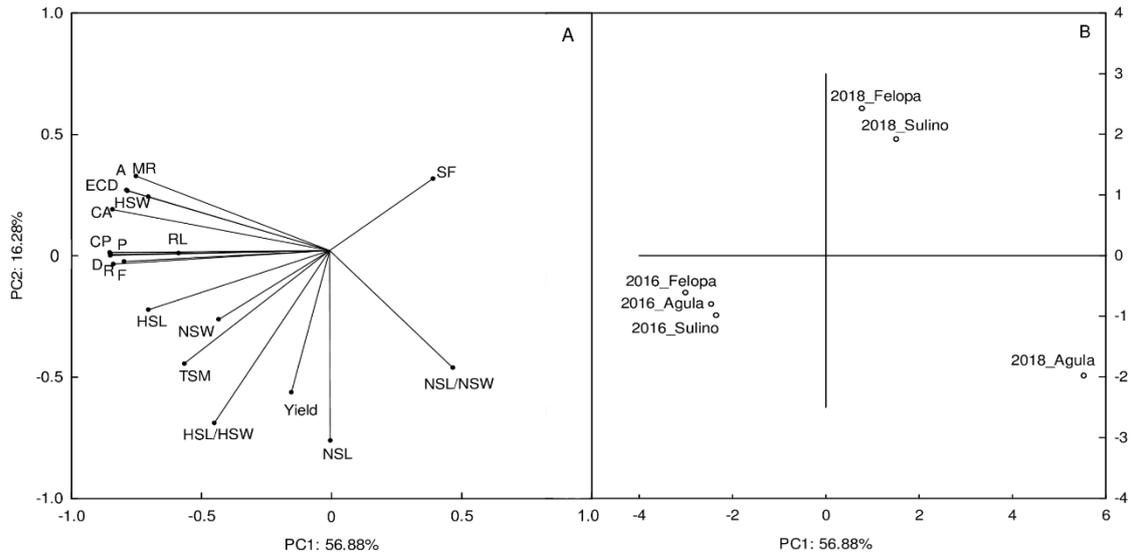
Fig. 2 Suppl. Results of principal component analysis (PCA): *A* - relationships among the traits: A - area of a particle, CA - convex area, CP - convex perimeter, D - diameter, ECD - equivalent circle diameter, F - feret, HSL - husked seed length, HSW - husked seed width, HSL/HSW - husked seed length/husked seed width ratio, MR - Martins radius, NSL - naked seed length, NSW - naked seed width, NSL/NSW - naked seed length/naked seed width ratio, P - perimeter, R – rectangle, RL - rachilla length, SF - shape factor, TSM - thousand seed mass, Yield - dry mass of seeds; *B* - the combinations tested (two years of studies: 2016, 2018, and cultivars of *Festulolium*).