

Ergot and sterility in bahiagrass: genotypic and environmental effects on seed yield potential

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Supplementary Table 1. Description of soils and climatic variables for the locations of the experiment.

a. Classification, description, and analytic data of the dominant soils of each of the three locations of the experiment.

Soil Taxonomy approximation [50]	Texture	Soil drainage	Natural Fertility	Analytic data [51]				
				Depth (cm)	Organic Matter %	pH (H2O)	CIC (pH 7)	Base Saturation %
<i>Palo-a-pique</i>								
Typic Argiudolls	Loam	Moderately to imperfectly drained	Medium	65	4.4	5.5	18.4	78
<i>Tacuarembó</i>								
Typic Hapludalfs	Loamy sand	Well drained	Very low	145	1.5	5.8	5.2	73*
<i>Glencoe</i>								
Typic Hapluderts	Clay	Imperfectly to moderatelv drained	High	80	8.7	5.9	57.1	82

[50] Durán, A., Califra, A., Molfino, J. H., & Lynn, W. (2006). Keys to soil taxonomy for Uruguay. US Department of Agriculture, Natural Resources Conservation Service, Washington, DC.

[51] Durán, A. Los suelos del Uruguay, 2nd ed.; Hemisferio Sur, Montevideo, Uruguay, 1991.

*With significant presence of Aluminum

b. Climatic variables for the two periods of evaluation and for the three locations of the experiment: rainfall, maximum and minimum mean temperatures.

Accumulated Rainfall (mm)			Year 1			Year 2		
Location	January	February	March	January	February	March	January	February
Palo-a-Pique	109.5	449.1	110.4	106.73	122.3	101.8		
Tacuarembó	115.9	503.2	53	83.2	120.2	97.5		
Glencoe	112.7	457.9	36.3	53.2	101.9	42.3		
Minimum daily temperatures average (°C)			Year 1			Year 2		
Location	January	February	March	January	February	March	January	February
Palo-a-Pique	17.3	19.2	15.5	18.1	16.9	12.4		
Tacuarembó	17.3	18.7	15.2	18.9	17.3	14.1		
Glencoe	17.9	18.6	15.7	19.1	17.5	14.8		
Maximum daily temperatures average (°C)			Year 1			Year 2		
Location	January	February	March	January	February	March	January	February
Palo-a-Pique	29.5	28.3	27.4	31.5	28.7	26.7		
Tacuarembó	28.4	28.2	27.1	31.5	27.8	27.6		

Glencoe	31.0	29.3	29.1	34.0	30.7	28.9
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