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Corrigendum

Corrigendum to "Genetic variability and traits association in maize (Zea mays L.) varieties for growth and yield traits"

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In the original published version of this article, in the first paragraph of section 3.2, the authors inadvertently used the word "heredity" instead of "heritability", displayed heritability as a percentage, and mentioned "plant height" instead of "ear height". In addition, in Table 2, the Hbs values for No. of leaves below cob was displayed as 0.4 instead of 0.41, and for Days to 50% anthesis was displayed as 0 instead of 0.004. The text has been amended and the correct version of the first paragraph of section 3.2 as well as the correct version of Table 2 can be found below. The authors apologize for the errors. Both the HTML and PDF versions of the article have been updated to correct the errors.

3.2. Heritability and genetic advance

In our findings, we found low (less than 30%), moderate (30–60%), and high (more than 60%) estimates of heritability for the various traits studied, as defined by Johnson et al. (1955). The highest heritability (0.99) was found in 1000 grain weight, followed by grain yield (0.93). Similarly, heritability values for number of grains per row (0.14) and ear height (0.27); these were lower values of heritability. The rest of the traits studied were moderately heritable. Table 2 shows the heritability values for all traits. Similarly, GAM for the traits in our study ranged from 0.1% for days to 50% anthesis to 51.36% for grain yield. According to Johnson et al. (1955), the observed GAM values were classified as low (less than 10%), moderate (10–20%), and high (greater than 20%). Table 2 shows the GAM estimates for all traits. Grain yield (51.36), 1000 grain weight (36.95) had greater estimates of GAM percent but no. of grains per row (3.24) and leaf width (5.21) at maturity had lower estimates of GAM percent.

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Table 2: Estimation of PCV, GCV, Heritability, Genetic Gain and GAM for growth, yield and its attributing traits of ten maize genotypes.

Traits	σ^2g	σ^2p	Mean	GCV	PCV	Hbs	GA	GAM (%)
Plant height (after flowering) (cm)	85.23	204.83	179.84	5.13	7.96	0.42	12.27	6.82
No. of leaves above cob	0.16	0.32	5.42	7.27	10.39	0.49	0.57	10.48
No. of leaves below cob	0.13	0.31	7.48	4.73	7.47	0.41	0.46	6.18
Leaf length at maturity (cm)	15.39	30.71	78.89	4.97	7.02	0.5	5.72	7.25
Leaf width at maturity (cm)	0.11	0.29	8.16	4.07	6.05	0.39	0.43	5.21
Days to 50% anthesis	0.11	26.9	46.06	0.72	11.26	0.004	0.04	0.1
Ear height (cm)	21.25	77.98	89.16	5.17	9.9	0.27	4.96	5.56
Tassel length (cm)	3.15	7.24	42.24	4.20	6.37	0.44	2.41	5.71
ASI	0.37	0.59	3.06	19.78	25.05	0.62	0.99	32.19
Cob length (cm)	0.73	1.71	16.49	5.18	7.92	0.43	1.15	6.97
Cob weight (g)	181.57	411.07	131.61	10.24	15.4	0.44	18.45	14.02
Cob diameter (cm)	0.03	0.08	4.05	4.34	6.77	0.41	0.23	5.73
No. of row per cobs	1.73	2.36	12.88	10.21	11.92	0.73	2.32	18.03
No. of grains per row	1.75	12.23	31.91	4.15	10.96	0.14	1.03	3.24
1000 grain weight (g)	1955.67	1974.67	245.33	18.03	18.11	0.99	90.66	36.95
Grain yield (t ha^{-1})	1.14	1.23	4.11	25.9	26.91	0.93	2.11	51.36