Supplemental Table S3. Final heights for genotypes under conventional standard conditions (FLD:weed-free) and their proportions relative to this standard as affected by irrigation system and presence or absence of *E. crus-galli.*1,2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Genotype | Final height in conv. standard | Proportion of final height under treatments relative to conv. standard | | | | | |
|  | FLD:weed-free | AWD:weed-free | 3H0:  Prop.=1 | FLD:weedy | 3H0:  Prop.=1 | AWD:weedy | 3H0:  Prop.=1 |
|  | (cm) | (cm/cm) | P-value | (cm/cm) | P-value | (cm/cm) | P-value |
| Bengal | 97.7 e | 0.9230 a | 0.0016 | 0.763 a | 0.0007 | 0.718 a | <0.0001 |
| Cheniere | 95.1 ef | 0.9216 a | 0.0014 | 0.704 a | 0.0003 | 0.660 a | <0.0001 |
| Katy | 117.9 ab | 0.9284 a | 0.0027 | 0.743 a | 0.0008 | 0.663 a | <0.0001 |
| PI312777 | 104.4 d | 0.9364 a | 0.0061 | 0.690 a | 0.0004 | 0.648 a | <0.0001 |
| Rondo | 107.9 cd | 0.8994 a | 0.0002 | 0.720 a | 0.0005 | 0.636 a | <0.0001 |
| STG06L-35-061 | 118.1 a | 0.9270 a | 0.0014 | 0.726 a | 0.0006 | 0.683 a | <0.0001 |
| XP753 | 112.1 bc | 0.9567 a | 0.0450 | 0.684 a | 0.0003 | 0.679 a | <0.0001 |
| Average | 107.6 | 0.927 |  | 0.714 |  | 0.669 |  |
|  | LSD = 5.73  F=20.9  P< 0.0001 | LSD = 0.0566  P> 0.05 |  | LSD = 0.0562  P> 0.05 |  | LSD = 0.0566  P> 0.05 |  |

1 Values shown are Least Squares Means of non-transformed data across three years. Actual heights of the weed-free plots were analyzed using non-transformed data. Proportion data were analyzed using log-transformed and non-transformed data, and outcomes were similar, so we present only non-transformed results. Means followed by the same lower-case letter are not different according to the Student’s t test.

2 In addition to the Least Squares Means differences shown by LSD, the following contrasts (sdf) indicate differences between selected groups of genotypes.

FLD:weedy/FLD:weed-free: Contrast [PI312777, Cheniere, XP753] < [all others] P=0.0203.

AWD:weedy/FLD:weed-free: Contrast [Bengal] > [all others] P=0.0306.

3 The “P-values” presented in columns four, six, and eight of the table are used to test whether the proportion in the column to the left is significantly different from 1.0. P-values ≤0.05 indicate that the proportion is significantly less than 1.0, and therefore, less than the FLD:weed-free conventional standard.