***Supplementary Material***

**Setting up decision-making tools towards a quality-oriented participatory maize breeding program**

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**Table S3.** List of agronomic traits evaluated per plot basis, abbreviation and respective description.

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| --- | --- | --- | --- |
| Trait | Abbreviation | Units/Scale | Description |
| Ear weight  | EW | gram (g) | Ear weight, adjusted to 15% of grain moisture. Measure by averaging the weight of 4 shelled ears per plot. |
| Grain yield1 | Y | kilogram/hectare (kg/ha) | Grain yield adjusted to 15% moisture. Formula: Grain yield = Ear weight × (Grain weight/Ear weight) × (100%–% moisture at harvest)/ (100%–15% moisture). Grain weight and ear weight taken from 4 shelled ears. |

*1Grain yield adjusted to 15% of moisture was calculated according to Moreira et al. (2008)*