

# Yield Potential of Improved Maize Achieved from Optimal Rates of YARA Crop Nutrition Fertilizers for Sustainable Maize Production in the Semi-Deciduous Forest Agro-Ecological Zone of Ghana

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## Supplementary Data

**Supplementary Table 1:** P values of treatment mean comparisons in 2019 and 2020.

|                        | Other treatment s | Height |      | Chlorophyll |      | Days to 50% tassel |      | Days to 50% silk |      | Grain yield |      | Biomass |      |
|------------------------|-------------------|--------|------|-------------|------|--------------------|------|------------------|------|-------------|------|---------|------|
|                        | Year              | 2019   | 2020 | 2019        | 2020 | 2019               | 2020 | 2019             | 2020 | 2019        | 2020 | 2019    | 2020 |
| T5-250A/2LCB/125A+2LCB | T1-Contol         | 0      | 0    | 0           | 0.29 | 0                  | 0    | 0                | 0    | 0           | 0    | 0.02    | 0.01 |
|                        | T2-125A/250S      | 0      | 0    | 0.02        | 0.56 | 0                  | 0.12 | 0                | 0.14 | 0           | 0    | 0.42    | 0.35 |
|                        | T3-125A/250A      | 0      | 0    | 0           | 0.17 | 0                  | 1    | 0                | 0.26 | 0           | 0.02 | 0.78    | 0.66 |
|                        | T4-250T/125S OA   | 0.02   | 0    | 0           | 0.81 | 0                  | 0.29 | 0                | 0.7  | 0           | 0    | 0.46    | 0.41 |

|  |                                    |      |      |      |      |      |      |      |      |   |   |      |      |
|--|------------------------------------|------|------|------|------|------|------|------|------|---|---|------|------|
|  | T6-<br>125A/2LC<br>B/250A+2<br>LCB | 0.64 | 0.01 | 0.05 | 0.56 | 0.2  | 0.29 | 0.62 | 0.45 | 0 | 0 | 0.4  | 0.27 |
|  | T7-<br>250A/125<br>A               | 0    | 0    | 0    | 0.81 | 0    | 0.04 | 0.01 | 0.26 | 0 | 0 | 0.47 | 0.81 |
|  | T8-<br>125A/2LC<br>B/250S+2L<br>CB | 0.29 | 0    | 0.61 | 0.41 | 0.06 | 0.29 | 0.33 | 0.7  | 0 | 0 | 0.56 | 0.43 |
|  | T9-<br>250NPK/1<br>50U             | 0    | 0    | 0    | 0.41 | 0    | 0.29 | 0    | 0.45 | 0 | 0 | 0.19 | 0.08 |