

Table S1. Significance statistics by Figures.

Fig. 1A	F=2.3, df=4, 14, P=0.13 for germination rates among four TZM concentrations (22.5, 45.0, 67.5, and 90.0 g a.i. ha ⁻¹) and control, 7 days after sowing
Fig. 1B	F=2.45, df=4, 14, P=0.114 for seedling emergence rates among four TZM concentrations and control, 15 days after sowing
Fig. 2A	F=95.5, df=7, 23, P=0.0001 for TZM residues of rice plant stem for 22.5 g a.i. ha ⁻¹ among different days after sowing
Fig. 2B	F=100.6, df=7, 23, P=0.0001 for TZM residues of rice plant stem for 45.0 g a.i. ha ⁻¹ among different days after sowing
Fig. 2C	F=727.3, df=7, 23, P=0.0001 for TZM residues of rice plant stem for 67.5 g a.i. ha ⁻¹ among different days after sowing
Fig. 2D	F=74.9, df=7, 23, P=0.0001 for TZM residues of rice plant stem for 90 g a.i. ha ⁻¹ among different days after sowing
Fig. 3A	F=686.7, df=4, 14, P=0.0001 for oxalic acid content among four TZM concentrations and control, 60 days after sowing
Fig. 3A	F=303.2, df=4, 14, P=0.0001 for oxalic acid content among four TZM concentrations and control, 90 days after sowing
Fig. 3A	F=0.13, df=1, 29, P=0.7189 for the mean contents of oxalic acid between 60 days and 90 days
Fig. 3A	F=836.8, df=4, 29, P=0.0001 for the mean contents of oxalic acid among four concentrations
Fig. 3B	F=50.3, df=4, 14, P=0.0001 for flavonoids content among four TZM concentrations and control, 60 days after sowing
Fig. 3B	F=163.7, df=4, 14, P=0.0001 for flavonoids content among four TZM concentrations and control, 90 days after sowing
Fig. 3B	F=2.6, df=1, 29, P=0.1209 for the mean contents of flavonoids between 60 days and 90 days
Fig. 3B	F=148.8, df=4, 29, P=0.0001 for the mean contents of flavonoids among four concentrations
Fig. 3C	F=126.7, df=4, 14, P=0.0001 for phenols content among four TZM concentrations and control, 60 days after sowing
Fig. 3C	F=105.1, df=4, 14, P=0.0001 for phenols content among four TZM concentrations and control, 90 days after sowing
Fig. 3C	F=1.9, df=1, 29, P=0.1873 for the mean contents of phenols between 60 days and 90 days
Fig. 3C	F=225.4, df=4, 29, P=0.0004 for the mean contents of phenols among four concentrations
Fig. 3D	F=813.9, df=4, 14, P=0.0001 for callose content among four TZM concentrations and control, 60 days after sowing
Fig. 3D	F=1086.8, df=4, 14, P=0.0001 for callose content among four TZM concentrations and control, 90 days after sowing
Fig. 3D	F=0.02, df=1, 29, P=0.9016 for the mean contents of callose between 60 days and 90 days
Fig. 3D	F=1848.9, df=4, 29, P=0.0001 for the mean contents of callose among four concentrations
Fig. 4A	F=331.8, df=4, 74, P=0.0001 for the total duration of np waveforms among four TZM concentrations and control, 90 days after seed sowing
Fig. 4B	F=89.5, df=4, 74, P=0.0001 for the total duration of N2 waveforms among four TZM concentrations and control, 90 days after seed sowing
Fig. 4C	F=42.9, df=4, 74, P=0.0001 for the total duration of N3 waveforms among four TZM concentrations and control, 90 days after seed sowing
Fig. 4D	F=188.8, df=4, 74, P=0.0001 for the total duration of N4-a waveforms among four TZM concentrations and control, 90 days after seed sowing
Fig. 4E	F=170.7, df=4, 74, P=0.0001 for the total duration of N4-b waveforms among four TZM concentrations and control, 90 days after seed sowing
Fig. 4F	F=0.69, df=4, 74, P=0.5956 for the total duration of N5 waveforms among four TZM concentrations and control, 90 days after seed sowing
Fig. 5A	F=0.26, df=4, 74, P=0.9049 for the number of np occurrences among four TZM concentrations and controls
Fig. 5B	F=175.5, df=4, 74, P=0.0001 for the number of N1 occurrences among four TZM concentrations and control
Fig. 5C	F=47.9, df=4, 74, P=0.0001 for the number of N2 occurrences among four TZM concentrations and control

Fig. 5D	F=40.8, df=4, 74, P=0.0001 for the number of N3 occurrences among four TZM concentrations and control
Fig. 5E	F=32.9, df=4, 74, P=0.0001 for the number of N4-a occurrences among four TZM concentrations and control
Fig. 5F	F= 29.8, df=4, 74, P=0.0001 for the number of N4-b occurrences among four TZM concentrations and control
Fig. 5G	F=0.47, df=4,74, P=0.7586 for the number of N5 occurrences among four TZM concentrations and control
Fig. 6A	F=9.166, df=7, 79, P=0.0001 for the number of planthoppers (per 100 hills) among different days after sowing between 0 and 22.5 g a.i. ha ⁻¹ of TZM.
Fig. 6B	F=9.106, df=7, 79, P=0.0001 for the number of planthoppers (per 100 hills) among different days after sowing between 0 and 45 g a.i. ha ⁻¹ of TZM.
Fig. 6C	F=9.19, df=7, 79, P=0.0001 for the number of planthoppers (per 100 hills) among different days after sowing between 0 and 67.5 g a.i. ha ⁻¹ of TZM.
Fig. 6D	F=9.152, df=7, 79, P=0.0001 for the number of planthoppers (per 100 hills) among different days after sowing between 0 and 90 g a.i. ha ⁻¹ of TZM.
Table 1 61d	F=1.279, df=3, 19, P=0.3154 for the control efficiency induced by four TZM concentrations (22.5, 45, 67.5 and 90 g a.i. ha ⁻¹).
Table 1 69d	F=0.365, df=3, 19, P=0.7795 for the control efficiency induced by four TZM concentrations (22.5, 45, 67.5 and 90 g a.i. ha ⁻¹).
Table 1 82d	F=1.834, df=3, 19, P=0.1816 for the control efficiency induced by four TZM concentrations (22.5, 45, 67.5 and 90 g a.i. ha ⁻¹).
Table 1 90d	F=0.905, df=3, 19, P=0.4604 for the control efficiency induced by four TZM concentrations (22.5, 45, 67.5 and 90 g a.i. ha ⁻¹).
Table 1 101d	F=5.195, df=3, 19, P=0.0107 for the control efficiency induced by four TZM concentrations (22.5, 45, 67.5 and 90 g a.i. ha ⁻¹).
Table 1 110d	F=1.508, df=3, 19, P=0.2506 for the control efficiency induced by four TZM concentrations (22.5, 45, 67.5 and 90 g a.i. ha ⁻¹).
Table 1 121d	F=0.145, df=3, 19, P=0.9312 for the control efficiency induced by four TZM concentrations (22.5, 45, 67.5 and 90 g a.i. ha ⁻¹).
Table 1 130d	F=3.543, df=3, 19, P=0.0386 for the control efficiency induced by four TZM concentrations (22.5, 45, 67.5 and 90 g a.i. ha ⁻¹).