

Supplemental table 1 Statistical analysis results of rice genotype, sampling time and rice genotype × sampling time interactions on population dynamics of five thrips species and their general predator using three color sticky card traps in *Bt* and non *Bt* rice fields

| Thrips species | Factors | 2009 | | | 2011 | | | |
|--------------------------------------|------------------|-------------------------------|----------------|----------------|----------------|----------------|----------------|---------|
| | | White | Blue | Yellow | White | Blue | Yellow | |
| | | <i>P</i> value | <i>P</i> value | <i>P</i> value | <i>P</i> value | <i>P</i> value | <i>P</i> value | |
| <i>Stenchaetothrips</i> (Bagnall) | <i>biformis</i> | Rice genotype | 0.7163 | 0.9548 | 0.6980 | 0.2013 | 0.2012 | 0.0809 |
| | | Sampling time | 0.0061 | 0.0160 | 0.0241 | 0.0124 | 0.0004 | <0.0001 |
| | | Rice genotype × sampling time | 0.2192 | 0.8248 | 0.6371 | 0.0903 | 0.3681 | 0.1641 |
| <i>Frankliniella</i> (Trybom) | <i>intonsa</i> | Rice genotype | 0.1079 | 0.0928 | 0.2917 | 0.1638 | 0.7117 | 0.9205 |
| | | Sampling time | <0.0001 | <0.0001 | <0.0001 | 0.0887 | 0.3756 | <0.0001 |
| | | Rice genotype × sampling time | 0.9866 | 0.7205 | 0.7844 | 0.1920 | 0.7813 | 0.0003 |
| <i>F. tenuicornis</i> (Uzel) | | Rice genotype | 0.8112 | 0.2106 | 0.2562 | 0.4917 | 0.9434 | 0.7745 |
| | | Sampling time | 0.0023 | 0.3875 | 0.4404 | 0.3379 | 0.0944 | 0.6953 |
| | | Rice genotype × sampling time | 0.5030 | 0.4906 | 0.1050 | 0.7578 | 0.2749 | 0.9575 |
| <i>Haplothrips</i> (Fabricius) | <i>aculeatus</i> | Rice genotype | 0.2523 | 0.4093 | 0.0319 | 0.5668 | 0.5588 | 0.5947 |
| | | Sampling time | <0.0001 | 0.0113 | <0.0001 | 0.0046 | 0.8465 | 0.0006 |
| | | Rice genotype × sampling time | 0.0690 | 0.5169 | 0.2312 | 0.6071 | 0.0185 | 0.0115 |
| <i>H. tritici</i> (Kurd) | | Rice genotype | 0.4222 | 0.6400 | 0.3910 | 0.5668 | 0.3353 | 0.9356 |
| | | Sampling time | 0.0026 | 0.0025 | 0.0127 | 0.0046 | <0.0001 | 0.0756 |
| | | Rice genotype × sampling time | 0.2423 | 0.6921 | 0.5395 | 0.6071 | 0.0942 | 0.3454 |
| <i>Orius similis</i> Zheng | | Rice genotype | 0.3757 | 0.4417 | 0.0304 | 0.9575 | 0.7139 | 0.7302 |
| | | Sampling time | 0.0124 | 0.0243 | 0.0046 | 0.5258 | 0.7776 | 0.0151 |
| | | Rice genotype × sampling time | 0.6434 | 0.8672 | 0.1211 | 0.5928 | 0.7776 | 0.4655 |

Supplemental table 2 Comparison of three color sticky card traps for sampling each thrips species and their general predator in two years

| Color traps | Average density (No./trap with 18 × 20 cm ²) | | | | | |
|---------------|--|--|------------------------------|---|--------------------------|----------------------------|
| | <i>Stenchaetothrips biformis</i> (Bagnall) | <i>Frankliniella intonsa</i> (Trybom) | <i>F. tenuicornis</i> (Uzel) | <i>Haplothrips aculeatus</i> (Fabricius) | <i>H. tritici</i> (Kurd) | <i>Orius similis</i> Zheng |
| White | 3.48 ± 0.30a | 7.60 ± 0.73a | 1.56 ± 0.18a | 5.96 ± 0.46a | 5.18 ± 0.37a | 1.08 ± 0.09a |
| Blue | 3.71 ± 0.35a | 2.08 ± 0.27b | 0.74 ± 0.09b | 2.55 ± 0.25b | 2.86 ± 0.21b | 0.38 ± 0.04b |
| Yellow | 1.50 ± 0.20b | 5.51 ± 0.40a | 1.60 ± 0.16a | 2.84 ± 0.34b | 2.54 ± 0.30b | 1.44 ± 0.10a |
| One-way ANOVA | <i>F</i> ; df; <i>P</i> | <i>F</i> ; df; <i>P</i> | <i>F</i> ; df; <i>P</i> | <i>F</i> ; df; <i>P</i> | <i>F</i> ; df; <i>P</i> | <i>F</i> ; df; <i>P</i> |
| | 23.83; 2, 267; 0 | 45.74; 2, 294; 0 | 10.33; 2, 294; 0 | 27.61; 2, 294; 0 | 20.53; 2, 294; 0 | 41.88; 2,348; 0 |

Values (mean ± SE) followed by different lowercase letters within a column for the same species are significantly different (One-way ANOVA and Tukey's multiple-range test, $P < 0.05$).

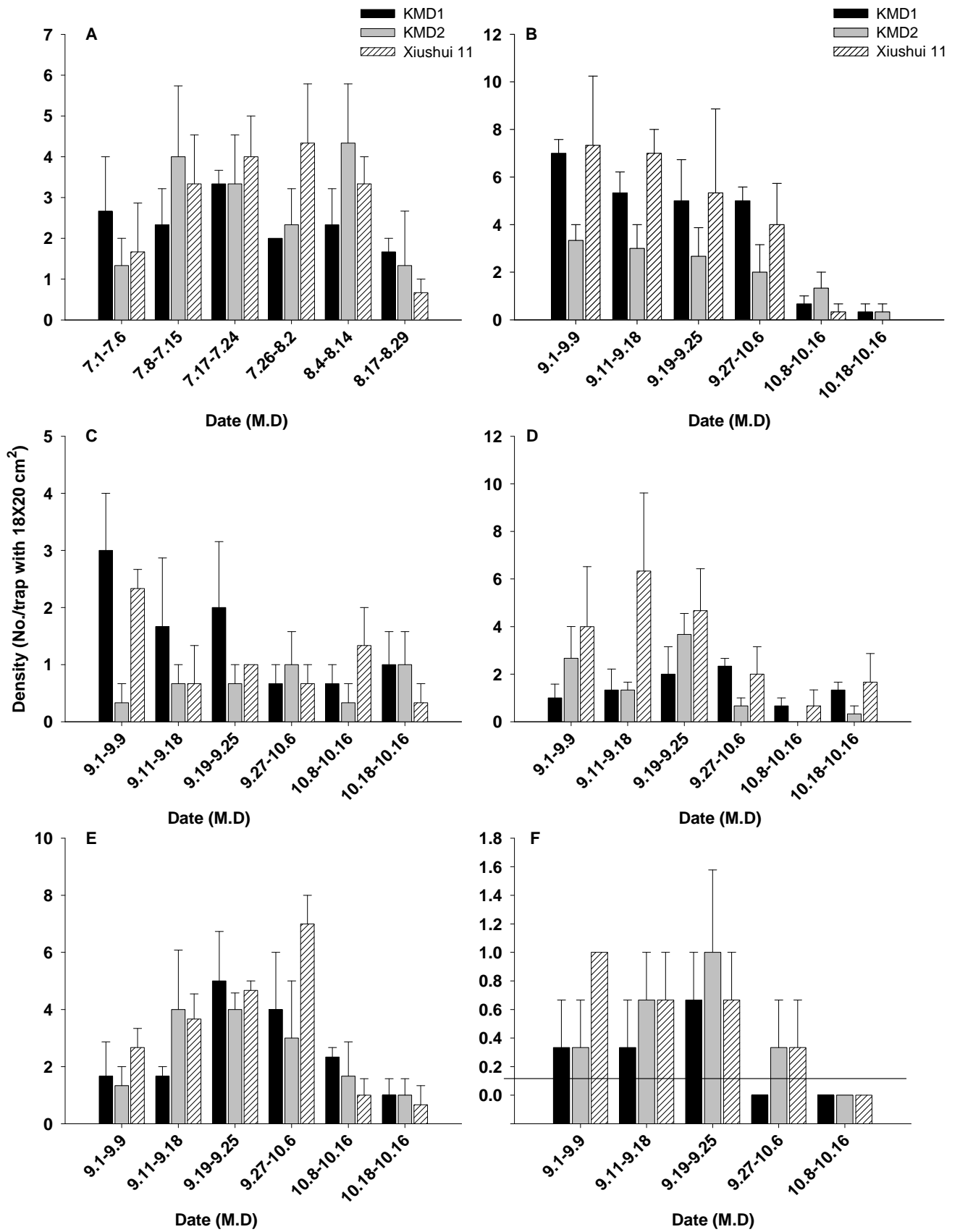
Supplemental fig. 1 Mean (\pm SE, $n=9$) number of five thrips species and their general predator collected by the blue sticky card trap in *Bt* (KMD1 and KMD2) and non-*Bt* plots in 2009. On the same sampling date, columns capped with different lowercase letters are significantly different (repeated-measured ANOVA, Tukey's multiple-range test, $P < 0.05$). A: *Stenchaetothrips biformis* (**Bagnall**); B: *Frankliniella intonsa* (Trybom); C: *F. tenuicornis* (Uzel); D: *Haplothrips aculeatus* (Fabricius); E: *H. tritici* (Kurd); F: *Orius similis* Zheng

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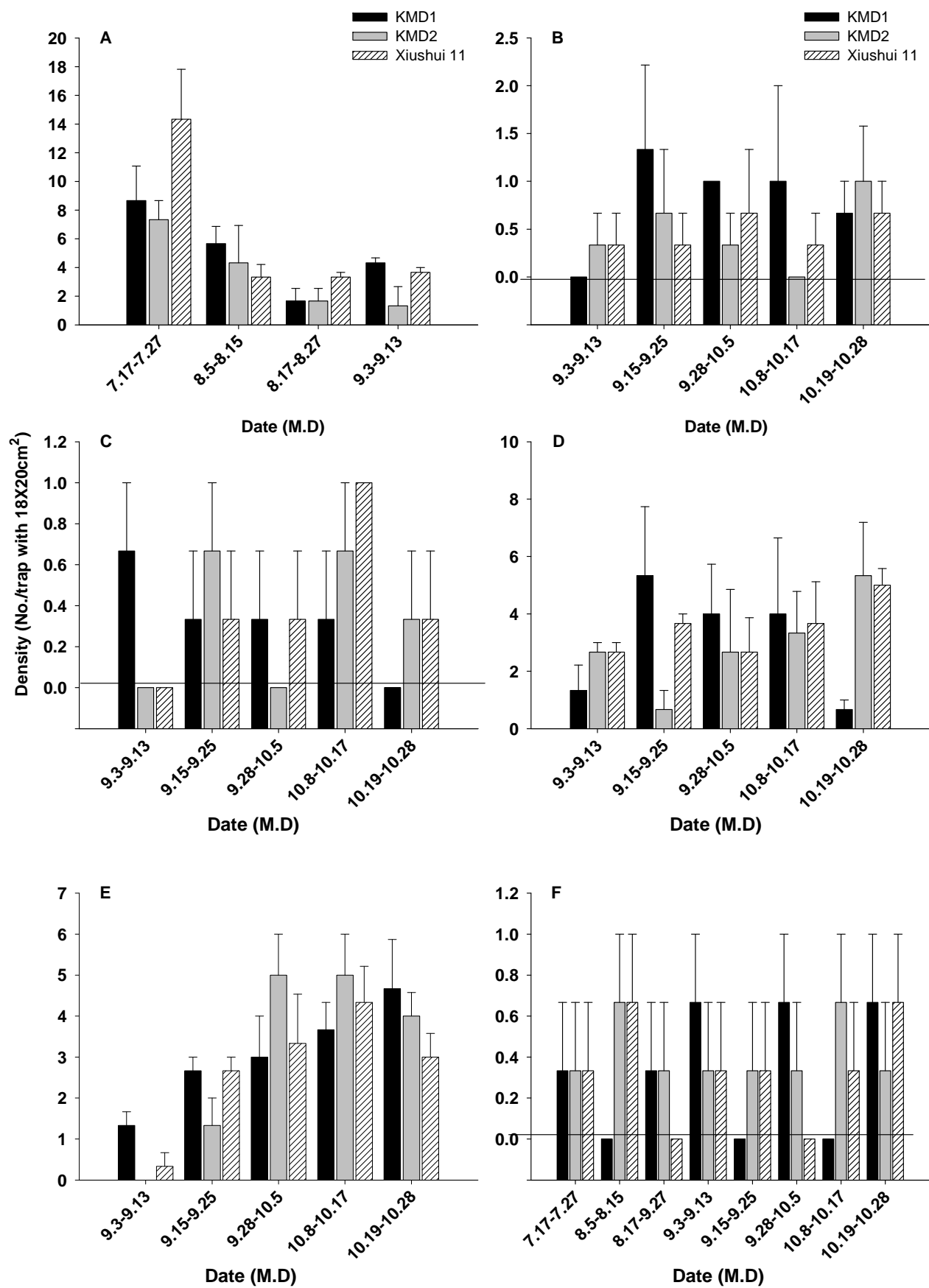
Supplemental fig. 3 Mean (\pm SE, $n=9$) number of five thrips species and their general predator collected by the yellow sticky card trap in *Bt* (KMD1 and KMD2) and non-*Bt* plots in 2009. On the same sampling date, columns capped with different lowercase letters are significantly different (repeated-measured ANOVA, Tukey's multiple-range test, $P < 0.05$). A: *Stenchaetothrips biformis* (**Bagnall**); B: *Frankliniella intonsa* (Trybom); C: *F. tenuicornis* (Uzel); D: *Haplothrips aculeatus* (Fabricius); E: *H. tritici* (Kurd); F: *Orius similis* Zheng

Supplemental fig. 4 Mean (\pm SE, $n=9$) number of five thrips species and their general

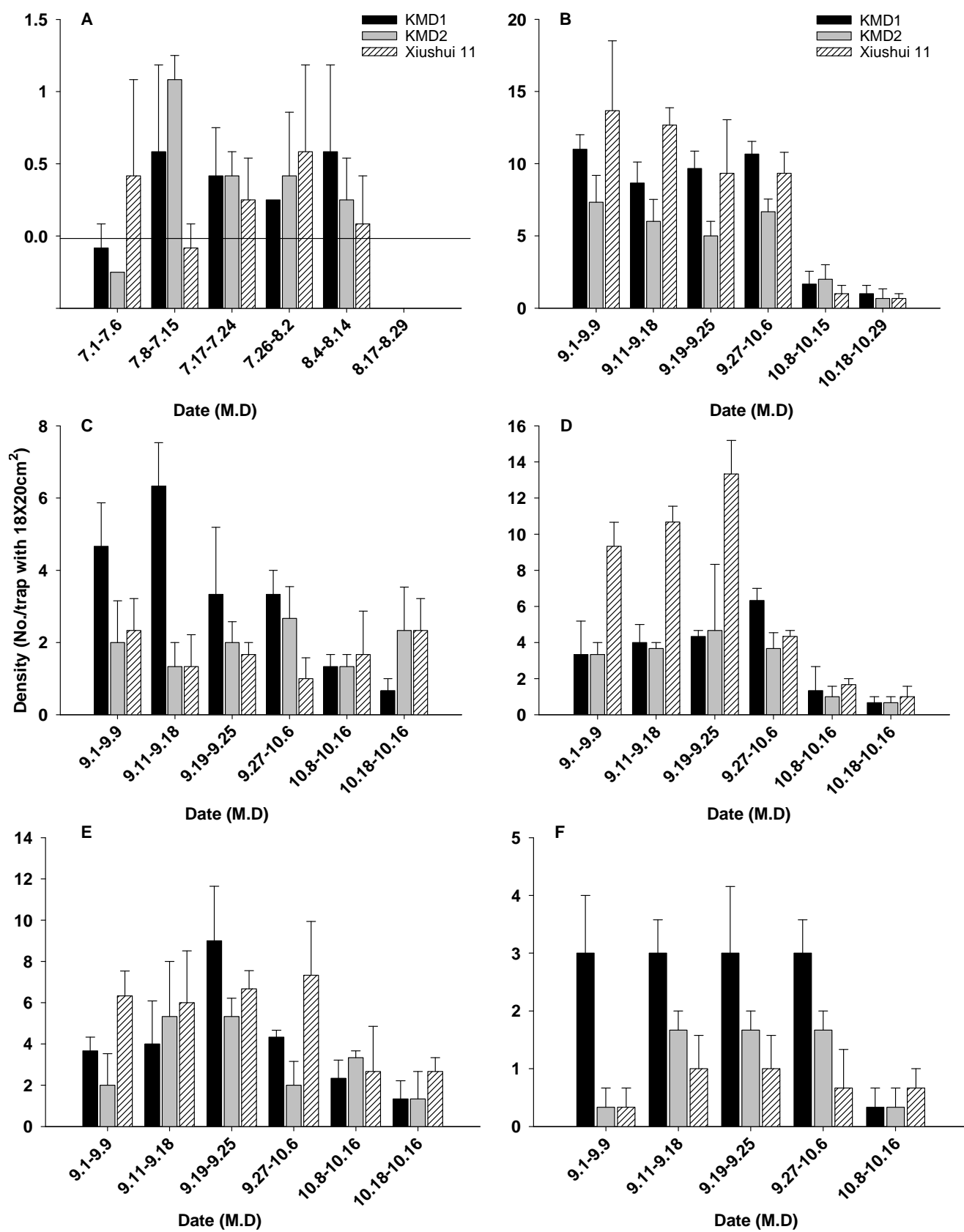
predator collected by the yellow sticky card trap in *Bt* (KMD1 and KMD2) and non-*Bt* plots in 2011. On the same sampling date, columns capped with different lowercase letters are significantly different (repeated-measured ANOVA, Tukey's multiple-range test, $P < 0.05$). A: *Stenchaetothrips biformis* (**Bagnall**); B: *Frankliniella intonsa* (Trybom); C: *F. tenuicornis* (Uzel); D: *Haplothrips aculeatus* (Fabricius); E: *H. tritici* (Kurd); F: *Orius similis* Zheng



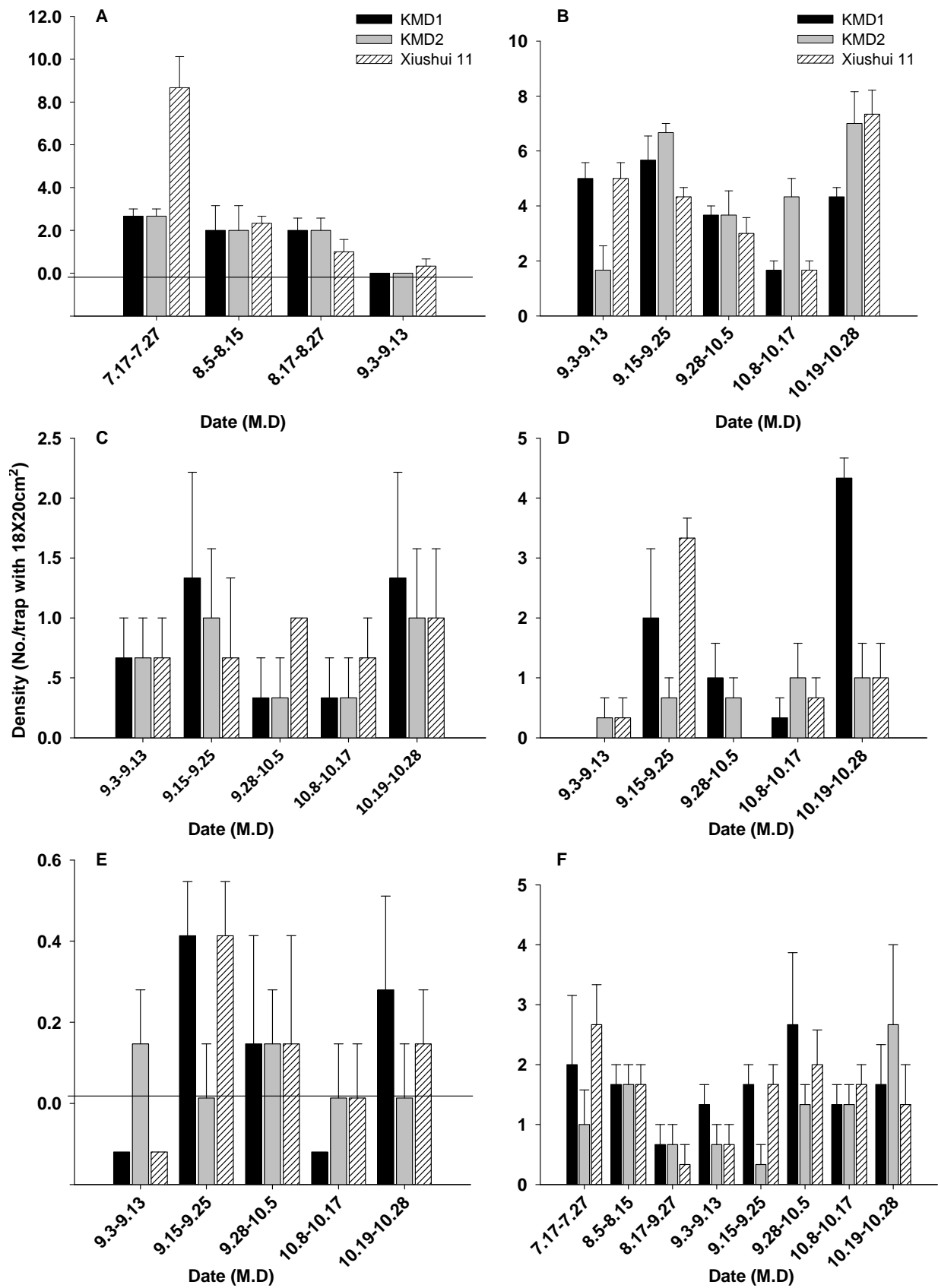
Supplemental fig. 1



Supplemental fig. 2



Supplemental fig. 3



Supplemental fig. 4

